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ASSESSMENT REPORT

describing

GEOPHYSICS, SOIL GEOCHEMISTRY AND DIAMOND DRILLING

at the

RAU PROPERTY

Rau 1-64	YC50268-YC50331
65-96	YC57529-YC57560
97F-98F	YC69925-YC69926
99F-100F	YC69961-YC69962
GF 3-4	YC32305-YC32306
Q 1-13	YC92361-YC92373
14	YC92470
15-109	YC92375-YC92469
R 1-103	YC68334-YC68436
105-1295	YC68438-YC69628
1296-1337	YC70595-YC70636
S 1-700	YC90801-YC91500
701-1154	YC91901-YC92354
1155-1250	YD09635-YD09730

NTS 106D/01, 02, 06, 07 & 08
Latitude 64°11´N; Longitude 134°22´W

in the
Mayo Mining District,
Yukon Territory

prepared by
Archer, Cathro & Associates (1981) Limited

for
ATAC RESOURCES LTD.

by
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INTRODUCTION

The Rau property is located in central Yukon along the northern edge of the Tintina Gold Belt, a band of intrusion-related gold deposits that extends across Yukon and Alaska. The property is primarily of interest for carbonate hosted gold but also hosts lead-zinc-silver and tungsten mineralization, which are often associated with intrusion-related gold elsewhere within the belt. The property is owned 100% by ATAC Resources Ltd. and is a part of the Rackla Gold Project.

This report describes an exploration program that was conducted on the majority of the claims comprising the property between April 17 and October 14, 2010 by Archer, Cathro & Associates (1981) Limited on behalf of ATAC. The author participated in and supervised that program, which consisted of soil geochemical sampling, airborne geophysical surveys, ground geophysical surveys and 18,450.42 m of diamond drilling in 85 holes. The author's Statement of Qualifications appears in Appendix I.

PROPERTY LOCATION, CLAIM DATA, ACCESS AND INFRASTRUTURE

The Rau property consists of 2798 contiguous mineral claims which are located in central Yukon at latitude 64°11´N and longitude 134°22´W on NTS map sheets 106D/01, 106D/02, 106D/06, 106D/07 & 106D/08 (Figure 1). Collectively, the property covers an area of approximately 56,500 hectares (565 km^2). The claims are all registered with the Mayo Mining Recorder in the name of Archer Cathro, which holds them in trust for ATAC. Specifics concerning claim registration are tabulated below while the locations of individual claims are shown on Figure 2.

Claim Name	Grant Number	Expiry Date*
Rau 1-64	YC50268-YC50331	April 28, 2024
65-96	YC57529-YC57560	April 28, 2017
97F-98F	YC69925-YC69926	April 28, 2018
99F-100F	YC69961-YC69962	April 28, 2018
GF 3-4	YC32305-YC32306	April 28, 2018
Q 1-13	YC92361-YC92373	April 28, 2015
14	YC92470	April 28, 2015
15-109	YC92375-YC92469	April 28, 2015
R 1-103	YC68334-YC68436	April 28, 2017
105-1295	YC68438-YC69628	April 28, 2017
1296-1337	YC70595-YC70636	April 28, 2014
S 1-700	YC90801-YC91500	April 28, 2015
701-1154	YC91901-YC92354	April 28, 2015
1155-1250	YD09635-YD09730	April 28, 2015

* Expiry dates include 2010 work which has been filed for assessment credit but not yet accepted.

The property lies 100 km northeast of Mayo, the nearest supply centre. The closest road access is to the community of Keno City, situated about 49 km by road northeast of Mayo and 55 km by air southwest of the property. Mayo and Keno City can be reached in all seasons by two wheel drive vehicles using the Yukon highway system. The Wind River trail is also accessible via the

Yukon highway system from McQuesten Lake near Keno City and crosses the western portion of the property. This winter trail has been used intermittently by various exploration companies since it was built in the late 1960s.

In 2010, access to the property and daily logistical support were accomplished using a Bell 206L4 helicopter based on the property and a Hughes 500D helicopter based at the McQuesten camp. Both helicopters were operated by Fireweed Helicopters Ltd. of Whitehorse. A camp located at McQuesten Lake served as a staging area and as a base of operations for the helicopter borne geophysical surveys and soil sampling crews. If required, fixed wing aircraft can land at the Kathleen Lakes airstrip along the northeastern boundary of the property. These lakes are also suitable for float equipped aircraft.

A local road system, constructed in 2009 using a John Deer 450 bulldozer, provided access to the drills in the Tiger Valley. The road system is accessible with the use of four wheel drive ATV from camp to the main drill area.

EXPLORATION HISTORY

The approximate locations of various showings referred to in this section are shown on Figure 2.

The earliest reported exploration within the area now covered by the Rau property occurred in 1922 following the discovery of silver mineralization at Keno Hill when prospectors first identified and staked mineralized float occurrences at Carpenter Ridge in the far northwest corner of the current property. In 1924, reconnaissance work conducted by the Geological Survey of Canada discovered galena-calcite-siderite in float on the southwest end of Carpenter Ridge. A sample of this float returned 8.75 oz silver and 56.0% lead (Cockfield, 1925); however, the source of this mineralization was not found. Hand pits were dug in 1927 and 1928 but little record remains of the work completed during this period. All claims were ultimately dropped.

Nearby at Grey Copper Hill, 9 km to the southeast, silver-rich tetrahedrite float was discovered in 1923 by an independent prospector. This showing and other nearby prospects were staked later that year. Several investigatory adits were dug into the hillside during follow up exploration but eventually all claim holdings lapsed.

Between 1930 and 1974 Grey Copper Hill was staked several times by independent prospectors and exploration companies, including Cypress Resources Limited and United Keno Hill Mines Limited. Little work was reported (Hilker, 1969) and all claims ultimately expired.

Hesca Resources Corporation Ltd restaked Grey Copper Hill in 1974 and conducted prospecting, soil sampling, hand trenching and adit maintenance. In addition, two shallow, small diameter diamond drill holes totalling 56.3 m were drilled; however, the results from this drilling are not documented. No further work was done by Hesca and the claims were dropped (Deklerk and Traynor, 2004).

In spring 1978 Prism Resources Limited restaked the area and conducted prospecting and geochemical sampling later that year. Soil sampling identified several lead and silver anomalies; however, follow up prospecting failed to explain them (Sivertz, 1979). A sample collected from an outcrop of dolomite yielded 0.60% lead and 51.43 g/t silver, while a tetrahedrite sample collected near an old adit assayed 7000 g/t silver (Sivertz, 1980). Prism allowed the claims to lapse.

Grey Copper Hill was again restaked in 1983 by a prospector who conducted grid soil sampling later that year. This program delineated silver anomalies coincident with surface lineations. No further work was completed and the claims expired.

In 1988 Bonventures Limited staked the area and conducted limited blast trenching, prospecting, mapping plus soil and rock sampling. A gossan zone with pyrite and strong fracture filling malachite and azurite was identified between two collapsed adits (Carlyle, 1989). These claims eventually lapsed.

The area remained open until August of 2005 when an independent prospector staked four claims over the Grey Copper Hill showing. No work on these claims has been reported and they are now surrounded by the Rau property.

In the central part of the current Rau property, Cominco Limited staked the Beaver claims in 1968 based on results of regional geochemical sampling done the year before. Later that year, L. Elliott staked the nearby Now claims and optioned them to Cominco, which completed mapping and soil sampling in 1968 and 1969 (Johnson and Richardson, 1969a and b).

In 1977, Prism Joint Venture (Asamera Oil Corp, Chieftain Development Company Limited, Prism Resources Ltd, Siebens Oil & Gas Limited and E & B Exploration Limited) restaked Cominco's claims as part of a larger block that extended for about 20 km along the north side of the Beaver River. In 1979, Dome Petroleum Ltd replaced Siebens in the joint venture.

Prism conducted most of its activities around the original Beaver claims. Soil sampling and mapping were performed in 1977 (Montgomery and Dewonck, 1978) and additional soil sampling and trenching were done in 1978 (Prism Joint Venture, 1979a). In 1979 Prism completed six diamond drill holes totalling 610 m (Dewonck, 1980). This work focused primarily on sedimentary exhalite and Mississippi Valley type lead-zinc mineralization, but resulted in the discovery of a narrow gold-rich vein material (the Now Showing).

NDU Resources Ltd. staked claims over the Now Showing in 1987 to cover the lead, zinc and silver soil geochemical anomalies identified by Cominco and Prism. The following year, NDU conducted a geochemical sampling program which focused on the gold vein mineralization at the Now Showing (Cathro, 1989).

In 1977, 6.25 km further to the northwest, Prism conducted mapping, soil sampling and electromagnetic surveys. Numerous samples from that program returned high zinc-in-soil values ranging from 2100 ppm to 12.2%. One sample collected from a large transported gossan (Ocelot Showing) yielded 3.8 g/t silver, 800 ppm lead and 12.2% zinc (Montgomery and Cavey, 1978),

suggesting the metals were leached and remobilized in acidic groundwater before being reprecipitated when the fluids were neutralized. These promising results were not followed up. In 1977, Prism also performed minor soil sampling near a strong gossan developed along the eastern edge of the current Rau property (Kathy Showing) (Prism Joint Venture, 1979b).

In 1979 and 1980, Prism explored in two areas in the north central part of the current Rau property and conducted prospecting, soil geochemical sampling and one diamond drill hole. This work led to the discovery of scheelite mineralization at the Blue Lite and Flat Top Showings. Well mineralized tremolite skarn specimens from the Flat Top Showing assayed up to 8.4% WO_3, but most material graded below 0.04% (Churchill, 1980). No further work was done at either showing.

ATAC's interest in the area was prompted by an isolated, high gold value (150 ppb) reported by a regional-scale stream sediment geochemical survey, conducted by the Geological Survey of Canada (Hornbrook, et al 1990). This value is in the 99th percentile of gold results from the survey and is supported by a 99th percentile tungsten value (25 ppm). The sample was collected near the Rackla Pluton, east of the Tiger Zone.

In summer 2006, ATAC staked 64 claims to cover the anomalous drainage. During the staking, a number of rock and soil samples were collected, many of which returned anomalous values for tungsten and a few were notably enriched in gold, lead, zinc, silver and copper. Cursory prospecting relocated scheelite-bearing tremolite skarn (Flat Top Showing) and discovered tungsten in diopside-actinolite skarn and highly fractionated intrusive rocks, about 1500 m to the south.

In 2007 ATAC completed geological mapping, prospecting, grid soil sampling and helicopter-borne variable time-domain electromagnetic (VTEM) surveys (Eaton and Panton, 2008). This work partially delineated a large hydrothermal system centered on the largely buried Rackla Pluton. Following that program, ATAC staked an additional 32 claims, mostly to improve coverage around a very strong gold-in-soil anomaly outlined on the western edge of the grid.

ATAC and Yankee Hat Minerals Limited signed an option agreement in spring 2008 concerning 40 claims that covered the Rackla Pluton and the tungsten-bearing skarns. During the summer of 2008 Yankee Hat conducted prospecting and a total of 437.38 m of diamond drilling in three holes (Dumala, 2008). Several narrow skarn bands with weak to moderate tungsten mineralization were identified within the carbonate host rocks. The option agreement was terminated in late 2008 following poor results and the claims were returned to ATAC.

Also in the summer of 2008, ATAC conducted geological mapping, prospecting, soil and stream sediment geochemical sampling, 3423.21 m of diamond drilling in 18 holes and property-wide helicopter-borne magnetic variable time-domain electromagnetic (VTEM) surveys on the claims not covered by the Yankee Hat option agreement. Drilling identified three stacked, gold-bearing horizons in what is now known as the Tiger Zone. The central horizon (Discovery Horizon) contains gold in iron carbonate replacement and hosts the most abundant mineralization. In 2008 grid soil sampling and stream sediment sampling was extended to the northwest. Property wide geophysical and geochemical surveys completed later in the season suggested the trend extends

for as much as 22 km (Dumala, 2009). In response to positive results, ATAC added 1340 claims to cover the favourable stratigraphy along the anomalous trend.

In 2009, ATAC continued to delineate the Tiger Zone with an additional 58 diamond drill holes totalling 9578.30 m (Dumala and Lane, 2010). Drilling identified a significant oxide component to the northwest, within the Tiger Zone. Prospecting in 2009 also identified several new showings containing mineralization similar to that found at the Tiger Zone. These include the Cub, Lion, Jaguar, Panther, Cougar, Puma, Cheetah and Lynx Showings.

GEOMORPHOLOGY

The Rau property is roughly 66 km long and covers a diverse geomorphological setting. Much of the claim block covers low lying vegetated valley bottom and similarly covered low elevation ridge systems.

The core portion of the Rau property is situated in the Nadeleen Range of the Selwyn Mountains and is drained by creeks that flow into the Rackla and Beaver Rivers, which are both part of the Yukon River watershed. Local topography is alpine to subalpine and features north and south-trending rocky spurs and valleys that flank a main east-west trending ridge. Elevations range from 725 m alongside the Beaver River in the centre of the claim block to 1800 m atop a peak, referred to as Monument Hill. Outcrop is most abundant near ridge crests and in actively eroding creek beds. Most hillsides are talus covered at higher elevations and are blanketed by glacial till at lower elevations. Soil development is moderate to poor in most areas.

Treeline in the vicinity of the property is at about 1500 m. Slopes above that elevation are unvegetated. The density and size of vegetation gradually increases on lower slopes, and the valley floors are well treed with mature black spruce. Understorey typically consists of low shrubs and moss. Moderately steep, south facing slopes are well drained and are often lightly forested with poplar. Steep, north facing slopes are usually unvegetated. Gentler, spruce- and moss-covered terrain likely exhibits widespread permafrost.

GEOLOGY

Regional Geology

The Geological Survey of Canada performed geological mapping in the vicinity of the Rau property at 1:250,000 scale in the 1960s (Green, 1972) and 1970s (Blusson, 1978). More recent mapping in the area was completed at 1:50,000 scale by Indian and Northern Affairs Canada (Abbott, 1990 and Roots, 1990).

The Rau property lies within a band of regional-scale thrust and high angle reverse faults that imbricate rocks of Selwyn Basin and Mackenzie Platform (Figure 3). Selwyn Basin stratigraphy consists of regionally metamorphosed, basinal sediments of Neoproterozoic to Paleozoic age. Mackenzie Platform stratigraphy comprises dominantly shallow water carbonate and clastic sediments that were deposited from Mid-Proterozoic through Paleozoic times. Both packages of sediments were deposited on the western margin of ancestral North America.

The thrust faults were active during Jurassic to Cretaceous times (160 to 130 Ma), when the area underwent compressional orogenesis related to large-scale plate convergence (Fingler, 2005). During Late Cretaceous (94-90 Ma), intermediate to felsic plutons of the Tombstone Suite were emplaced (Mortensen et al, 2000). Another compressional orogenic event, which occurred about 65 Ma, was accompanied by emplacement of felsic intrusions assigned to the McQuesten Suite.

Figure 4 shows regional geology in central Yukon. It is a geological compilation that takes into account recent age dating and new unit correlations, which Charlie Roots prepared for the Yukon Geological Survey (Cathro, 2006).

The Tombstone, Dawson and Robert Service thrust faults plus a number of lesser thrust faults affect stratigraphy along the trend of the Rau claim block. All thrusts verge northeasterly and predate emplacement of the Tombstone Suite intrusions. The thrust panel that contains the Rau property approximately straddles the boundary between Selwyn Basin and Mackenzie Platform and includes units belonging to both tectonic elements.

Table I contains a brief summary of the main lithologies in the area of the Rau property.

Table I: Regional Lithological Units (after Roots *in* Cathro, 2006)

Tectonic Element	Age (Ma)	Unit and Lithologies
Rocks of Ancestral North America		
Mackenzie Platform	1700 - 1800	Gillespie Lake Group: orange-brown dolostone and sandstone.
Mackenzie Platform	540 - 390	Bouvette Formation: white and grey limestone with rare black shale.
Mackenzie Platform	540 - 420	Marmot Formation: dark green to brown mafic, vesicular and amygdaloidal volcanic flows.
Selwyn Basin	750? - 530	Hyland Group: brown quartz-mica schist, with rare limestone.
Selwyn Basin	530 - 500	Gull Lake Formation: brown and green shale, sandstone, conglomerate and volcanic tuff.
Selwyn Basin	500 - 480	Rabbitkettle Formation: dark silty limestone and limy mica-rich conglomerate.
Selwyn Basin	480 - 390	Road River Group: black shale, chert and limy siltstone.
Rock formed before orogenic event		
	390 - 350	Earn Group: black shale and chert with lesser pebble conglomerate, sandstone and grit.
	340	Keno Hill Quartzite: grey metamorphosed sandstone, minor black shale and phyllite.

Rocks formed during orogenic event

225	Galena Suite intrusions: brown and green diorite and gabbro.
200 - 250	Jones Lake and Mt. Christie Formations: sandstone, brown shale and dark limestone.

Rocks formed after orogenic event

90 - 94	Tombstone Suite intrusions: granite and granodiorite.
62 - 67	McQuesten Suite intrusions: granite with two types of mica.

Sediments younger than 3 Ma

0 - 3	Overburden: ice-deposited sand and gravel; river silt.

Property Geology

Very little detail geological mapping has been conducted within the current property boundary. Most work has focused within the favourable Bouvette Formation stratigraphy in close proximity to the Tiger Zone mineralization. The following descriptions are taken largely from previously documented government and historical mapping.

The Rau property lies within a northwest trending thrust package bound to the south by the Dawson Thrust and to the north by the Kathleen Lakes Fault. Stratigraphy within this package forms open folds that are aligned parallel to the thrusts and plunge gently to the southeast. Several high angle faults, which parallel the general structural trend, are inferred on the property and others could be present. One or more of these faults may have acted as a conduit for mineralizing fluids.

The **Bouvette Formation** is the most abundant inferred rock type shown on government based maps and is the principal focus of ATAC's exploration. It can be divided into three main units which young to the northeast. In order from oldest to youngest:

1) **Cambrian and Ordovician** – massive pale grey dolostone, oncolitic dolostone, minor quartzite and sandy dolostone.

2) **Ordovician and/or Silurian** – thin to medium bedded grey and buff weathering silty limestone; massive white limestone, well bedded tan and grey limestone in the upper part of the unit.

3) **Silurian and Devonian** – thick bedded to massive light grey dolostone and limestone. Dark grey, fetid limestone containing "two hole" and "star" crinoids at the top of the unit.

The thickness of the Bouvette Formation on the property is estimated to be at least 1400 m. The primary focus of mapping has been largely limited to the area around Monument Hill and the Tiger Zone within the Ordovician-Silurian strata hosting carbonate gold replacement mineralization Elsewhere the Bouvette Formation has not been mapped in detail and remains undifferentiated.

A narrow sliver of Middle Proterozoic **Fifteen Mile Group** dolostone lies beneath the Bouvette Formation, to the southwest. This unit is composed of chocolate to orange brown weathering, cryptalgal laminated, medium to thick bedded dolostone, overlain by rusty brown weathering, olive green siltstone and shale with lesser maroon black and buff shale.

The **Marmot Formation** consists of thin volcanic horizons that are interbedded with the Ordovician and/or Silurian Bouvette Formation. The horizons range from a few metres to about 20 m thick and comprise dark green to brown weathering mafic, vesicular volcanic flows, carbonate-cemented hyaloclastic breccias and volcanic-derived sandstone, grit and pebble and cobble conglomerate. Locally these horizons are magnetic. Although the Marmot Formation is volumetrically insignificant, it appears to have played an important role in localizing mineralization in the underlying carbonate by acting as an impermeable cap.

Devonian and Mississippian **Earn Group** is located in the southern half of the property and bounds the Bouvette Formation to the south, east and north. This unit is generally recessive weathering and is mostly composed of black shale and chert. To the south a high angle normal fault places Earn Group against Bouvette Formation, while a thrust fault marks the southeastern contact. To the north, the Earn Group conformably lies above Cambrian to Devonian shale and limestone, which has been placed against the Bouvette Formation by another high angle fault.

The central part of the property hosts numerous dykes and sills believed to represent a roughly 1000 m diameter granitic plug referred to as the "**Rackla Pluton**". The plug is mostly composed of coarse grained, equigranular, biotite-and muscovite-bearing granite that is locally miarolitic (Panton 2008). The dykes and sills typically range between 30 cm and 7 m in thickness. They are often more fractionated than the plug and include garnet bearing aplite and coarse pegmatite that locally features beryl, amazonite (a green variety of feldspar) and one or more tourmaline minerals (rubellite, indigolite and schorl). The pegmatite bodies comprise mainly orthoclase and quartz but often exhibit abundant lithium-and vanadium-rich micas on their margins.

On surface, the Rackla Pluton is mostly covered by glacial till and only aplite and pegmatite sills and dykes are visible. The pluton is best delineated by its airborne magnetic signature (Figure 10). At the property scale the pluton is represented by a strong magnetic high. When the data is collapsed to the area immediately surrounding the pluton and a high-pass filter is applied, the signature shows a core magnetic low with a fringing magnetic high.

Analysis of several small bodies of granitic aplite and pegmatite have yielded 40Ar/39Ar muscovite ages of 62.3 ± 0.7 Ma, 62.4 ± 1.8 Ma and 59.1 ± 2.0 Ma (Kingston, 2009 and Kingston et al., 2010). Based on this data and the composition of the intrusion, Kingston concludes that the Rackla Pluton does not likely belong to the McQuesten Suite (65.2 ± 2.0 Ma).

Skarn and minor hornfels are developed locally within the Bouvette Formation proximal to the intrusions. Skarn grades from distal tremolite-rich (iron-deficient) facies, which are most abundant near the Flat Top Showing (about 1000 m northwest of the pluton), to proximal actinolite-diopside ± garnet ± pyrrhotite (iron-rich) facies, which are found closer to the pluton and on the margins of some dykes and sills. Massive skarns are mostly developed at contacts between limestone and volcaniclastic horizons. Hornfels is restricted to thin volcaniclastic layers within the Marmot Formation. It is normally rusty weathering and often contains disseminated to semi-massive pyrrhotite. Limestone and dolomite are locally altered to marble and often contain disseminated, light grey scapolite crystals. The scapolite is difficult to recognize on freshly broken surfaces but stands out on weathered surfaces as prismatic randomly orientated crystals.

MINERALIZATION

Several types of mineralization are known to occur on the Rau property including: **1)** sediment-hosted replacement-style gold; **2)** zinc±silver±lead±gold±bismuth in limonite-rich veins and replacement bodies; **3)** scheelite in tremolite skarns; **4)** pyrrhotite±scheelite±chalcopyrite in actinolite-diopside±garnet skarns; **5)** wolframite± tantalite in granite; and **6)** gold bearing quartz-boulangerite veins. **7)** iron±zinc in hydromorphically transported gossans.

Replacement Style Gold Mineralization

Replacement style gold mineralization has been the primary focus of exploration. To date several showings have been identified with the Tiger Zone being the best understood and most aggressively explored.

The **Tiger Zone** is located 3 km west-northwest of the Rackla Pluton in a moderate to steep walled valley.

The Tiger Zone is a thick northwesterly trending body of carbonate replacement style gold mineralization hosted by a moderately northeast dipping horizon. It is currently 700 m long, 100 to 200 m wide and up to 96 m thick. Mineralization is developed within and adjacent to a regionally extensive corridor of highly strained rocks that are manifested as a 40 to 150 m wide zone of small scale folding and shearing. The geometry of the mineralized system is defined by a series of stacked and folded limestone horizons intercalated with locally extensive mafic flows and volcaniclastic units.

Most of the exploration has been directed toward the Discovery Horizon, although there is evidence of at least one additional stratabound interval of gold mineralization above the Discovery Horizon.

Due to a combination of topography, overburden and stratigraphic orientation, the Discovery Horizon is the only mineralized horizon observed at surface. It is exposed over a 75 m long by 10 m wide area on the east side of Tiger Creek. At the northeast end of this exposure, a hand trench dug in 2009 uncovered moderately oxidized limonite boxwork with remnant sulphide mineralization, capped by highly sericite altered volcaniclastic. Two samples of subcrop were

collected in 2008 from the area near this trench. They returned 22.5 g/t gold, greater than 1% arsenic, 415 ppm bismuth and 116 ppm tungsten; and 13.6 g/t gold, greater than 1% arsenic, 410 ppm bismuth and 51.9 ppm tungsten.

Gold occurs in both sulphide and oxide facies mineralization. Sulphide mineralization is accompanied by, and developed within, limestone which is replaced by ferruginous dolomite and iron carbonate minerals. Sulphide species consist of disseminated to banded pyrite, with subordinate arsenopyrite and pyrrhotite and minor bismuthinite and sphalerite. Small amounts of disseminated scheelite are also present. The main sulphide minerals exhibit at least three stages of mineralization. The best intersection from sulphide bearing mineralization averaged 4.04 g/t gold over 96.01 m from hole Rau-09-66.

Oxide mineralization is completely devoid of sulphide minerals and ranges from very competent, weakly porous limonitic mud to rubbly porous limonitic grit. The oxide appears texturally amorphous within most intersections but occasionally exhibits residual color banding that may represent relict sulphide textures. Complete oxidation extends up to 150 m from surface. The best oxide grades (e.g. hole Rau-09-19 which assayed 24.07 g/t gold across 28.04 m) and deepest oxidation occur where northerly trending extensional faults intersect the regional structure. The nature of the contacts between the oxide and sulphide facies is poorly understood, as is the gold distribution within the mineralized horizon and within individual sulphide species. Mineralization at the Tiger Zone remains open to extension along strike and down dip at both ends of the known zone, as well as at depth across a normal fault that locally defines the southwest margin of the favourable structural corridor.

Big Creek Resources explored and conducted a 610 m diamond drill program on Carpenter Ridge from 1990 to 1991. Drilling intersected a vein grading 9.5% combined lead-zinc over 5 m, and another grading 4.5% combined lead-zinc over 9.3 m (INAC, 1992). Trenching during this period yielded 64 g/t with 39% combined lead-zinc over 7.5 m. Mapping by the Yukon Geological Survey in the 1990's interpreted these veins as being related to Proterozoic aged Mississippi-Valley type replacement, similar to those of the Blende deposit 32 km to the east (Abbott, 1990). The claims were eventually abandoned and no further work was recorded at Carpenter Ridge.

Several other showings containing mineralization similar to that found at the Tiger Zone have been identified on the property. These include the Cub, Lion, Jaguar, Panther, Cougar, Puma, Cheetah and Lynx Showings. All of the showings are occurrences of mineralized float found on grassy or talus covered slopes and ridges.

The **Cub Showing** occurs 575 m to the east of the Tiger Zone. Mineralized float was found in a 110 m wide by 250 m long area on a south facing talus covered slope. The showing coincides with a strong bismuth-in-soil anomaly (>200 ppm). Float samples typically yielded greater than 200 ppm bismuth and include peak values of 1645 ppm, 1990 ppm and 6160 ppm. Rock samples returned peak gold values of 1.08 g/t and 1.15 g/t. A float sample taken from the southeastern edge of the showing contained 18.15 g/t silver, 4630 ppm lead and greater than 1% zinc. The sample that contained 1990 ppm bismuth also produced the highest tungsten value (223 ppm).

The **Lion Showing** was discovered while surveying the Tiger Zone drill access road. Here, strongly pitted orange-black limonite and orange-red limonitic siderite and dolomite cobbles were found 770 m west of the Tiger Zone. A sample of this material returned 0.17 g/t gold, greater than 1% arsenic, 2000 ppm lead, 2080 ppm tungsten and 1.36% zinc.

The **Jaguar Showing** is located on a grassy spur radiating outwards from the south side of Monument Hill. Thirteen samples were collected within a 400 m by 300 m area. Float samples generally consisted of dense, rusty purple, goethite-rich limonite with rare patches of quartz.

Two samples taken from this showing in 2009 returned 1.57 g/t and 2.81 g/t gold. Only cursory prospecting has been performed at this locale and the source of mineralization has yet to be identified.

The **Panther Showing** is situated along a ridge on the north side of Monument Hill. Limonite float was found within a north northeast trending recessive linear feature that marks the contact between limestone to the south and volcaniclastic to the north. A specimen returned 5.72 g/t gold, 5.01 g/t silver, 9460 ppm arsenic, 61.7 ppm bismuth, 94.9 ppm lead and 1070 ppm zinc. Limonitic float was also found downhill, to the north and yielded 0.06 g/t gold, 11.05 g/t silver, 6200 ppm arsenic, 47.3 ppm bismuth, 2100 ppm lead and 1.29% zinc. The source of mineralization has not yet been located.

The **Cougar Showing** is located in a north facing cirque, along the northwest slope of Monument Hill. Mineralized float is found in an avalanche chute which stretches approximately 600 m from the base of the hill to the ridge. This float train continues over the ridge and into the valley to the southeast. Cobbles of dense rusty limonite with rare blebby bismuthinite and galena in quartz occur in a talus field comprising mostly limestone with volcaniclastic material to the east and west. Mineralized float becomes more concentrated near the ridge, although no outcrop was located.

A number of samples collected from this float train produced elevated gold (1.57 g/t and 3.13 g/t) and silver values (483 g/t). Three samples taken near the ridge yielded greater than 1% bismuth; however, these samples were only slightly elevated for other elements. Arsenic values throughout the Cougar Showing were elevated and include peak values of 1.2% and 2.1%. Four samples yielded greater than 10% lead with a peak of 35.7%, while most samples contained below 5000 ppm lead. The sample yielding 1.57 g/t gold also contained 19.4% lead.

The **Puma Showing** is located on an east-facing slope approximately 750 m northwest of the Cougar Showing. Oxidized cobbles were found scattered along a grassy hillside in a 250 m by 450 m area. Many of the samples collected from this showing are dense, rusty, dark purple siderite and goethite containing patches of boxwork limonite. Other samples consisted of limonite or altered carbonate, with occasional narrow quartz veins containing bismuthinite and galena. Bismuthinite crystals, up to 3 cm long, were observed in one sample.

Six goethite or goethite rich limonite samples collected in 2009 returned gold values greater than 1.0 g/t including a peak value of 18.45 g/t gold. Silver ranged between 0.2 g/t and 68.8 g/t with four samples exceeding 100 g/t to a maximum of 241 g/t silver.

The **Cheetah Showing** is located approximately 800 m west northwest of the Puma Showing. A 500 m long by 100 m wide float train extends up a south facing slope to a ridge which is cut by a northeast trending linear. The linear was traced for approximately 30 m to the northeast until becoming buried in limestone talus. A sample of a purple brown, goethite rich boxwork limonite collected in 2009, returned 3.06 g/t gold.

The **Lynx Showing** is located 2.3 km west of Monument Hill and consists of isolated limonite float within a limestone talus field. This showing is located on the opposite side of the valley as the Cheetah Showing. A sample collected at the Lynx returned 0.24 g/t gold, 7290 ppm arsenic, 789 ppm lead and 5970 ppm zinc. A similar sample, collected 700 m to the east, yielded 1.45 g/t gold.

Scheelite Tremolite-Actinolite Skarns

Four known tungsten skarn showings occur on the Rau property. Three of these are located less than 1.5 km from the Rackla Pluton, while the fourth is located 4.8 km to the north. They are a combination of scheelite-tremolite and actinolite skarns containing varying concentrations of pyrite, pyrrhotite and rare chalcopyrite. These showings have associated moderate to strong tungsten, gold and copper soil geochemical anomalies (Dumala, 2009).

The **Hogs Back Showing** is located 800 m southwest of the pluton. This showing is exposed on the north and south side of a northwest trending gully. It was first identified in 2006 and followed up in 2007. The showing consists of three actinolite skarn layers occurring conformably within a portion of the Bouvette limestone sequence. Mineralization comprises finely disseminated to patchy pyrrhotite, pyrite and lesser chalcopyrite. Marbleisation of the surrounding limestone is variable but extends up to 5 m in areas. The skarn layers have been traced to the northwest for over 750 m and vary in thickness from 0.3 m to 6 m, averaging 0.8 m. The thickest and best mineralized exposure occurs at the southeast edge of a crosscutting drainage before disappearing to the southeast beneath cover. In general the exposed skarn horizons appear to thin to the northwest.

The two thickest packages of mineralization appear proximal to a pair of southwest striking, quartz muscovite pegmatite dykes. The northwesterly dyke is one metre wide and exposed along strike for only two metres, while the dyke to the southwest is three metres wide and exposed for ten metres. No direct contact was observed between the dykes and the skarns.

Select rock samples collected from this showing in 2006 and 2007 yielded peak values of 4010 ppm tungsten and 1.24 g/t gold from the north side of the showing (Dumala, 2008), while chip samples collected in 2009 from the south side returned gold values less than 0.05 g/t, and a peak tungsten result of 3110 ppm. A one metre chip sample of sugary weathered limestone containing fine grained pyrite that was taken between two skarn layers returned 0.45 g/t gold. A single diamond drill hole tested this showing in 2008; however, it was collared too far forward to test the skarn mineralization.

The **Ridge Crest Showing**, located on the southwest side of the Rackla Pluton, was discovered in 2009 while following up a gold-in-soil anomaly (990 ppb) within the 2007 sample grid. A 70

cm deep hand pit dug at this location revealed glacial till and grey limestone fragments. Two cobbles of rusty dark green pyroxene skarn and several oxidized skarn fragments were also extracted from this pit. Samples of the skarn yielded 0.02 g/t gold and 850 ppm tungsten. A dyke containing equigranular, coarse grained white to smoky quartz and minor muscovite with occasional patches of chlorite and trace fine grained sulphides occurs 15 m to the west. A float sample collected nearby returned 1060 ppm tungsten.

The **Flat Top Showing** occurs along a north trending ridge approximately 1.3 km northwest of the Rackla Pluton. It is localized along the contact between the Bouvette Formation and Earn Group strata. The showing is marked by approximately coincident, moderately to strongly anomalous gold, copper and tungsten soil geochemical values approximately 600 m long and up to 300 m wide. Scheelite in tremolite skarn was first found at this locale in 1979 by Prism. Prospecting in 2009 traced skarn mineralization around the nose of the ridge for 400 m.

Four types of skarn mineralization occur across a stratigraphic thickness of about 40 m. The first, found immediately above the contact, occurs as felted to radiating masses of acicular tremolite/actinolite or wollastonite/actinolite localized in a band that ranges from a few 10's of cm to a few metres thick. The second, found within unaltered carbonate rock, are masses of tremolite mixed with calcite found in 0.5 mm to 2 cm thick veinlets. Thirdly, an iron rich skarn consisting of coalescing aggregates of radiating acicular masses of tremolite/actinolite preferentially replaces the host carbonate. Rare interstitial green tourmaline or vesuvianite, calcite and quartz also occur with this skarn type. Finally extending upward from the contact is the most iron rich species. It contains felted masses of light green actinolite with local black tourmaline, biotite books, light grey to smoky quartz and patches of massive medium brown limonite.

Prism Resources reported rock samples assaying up to 8.38% WO_3 but most samples collected from the area grade less than 0.04% WO_3 (Churchill, 1980). One sample consisting of a quartz fragment surrounded by green actinolite with black tourmaline and traces of pyrrhotite returned 0.127 g/t gold. A single diamond drill hole tested the area in 2008 but it was collared too far downhill and only intersected shale belonging to the Earn Group.

The **Blue Lite Showing,** first discovered by Prism in 1979, is a scheelite tremolite skarn located 4.8 km northeast of the Rackla Pluton. The skarn mineralization is well exposed on a cliffy outcrop on the north side of a prominent peak. Mineralization consists of scheelite as disseminations with massive pyrrhotite and minor chalcopyrite. The skarn horizon disappears under talus to the east and grass to the west. The Blue Lite Showing is located along a high angle normal fault that dips to the south. This fault marks the contact between Devo-Mississippian clastics to the north and Devonian to Jurassic clastics to the south.

Samples collected by Prism in 1979 from this showing returned between 0.02% and 4.3% WO_3. A drill hole completed later that year yielded between 0.02% and 0.08% WO_3 in drill core across narrow widths. Three samples taken at the Blue Lite Showing in 2009 returned greater than 0.10% tungsten with a peak of 0.34%. Most of the other samples ranged from 200 to 950 ppm tungsten. Gold values were all below background, with a peak of 9 ppb.

Gold-Bearing Quartz-Boulangerite Vein

The **Now Showing** is situated within a pronounced northwest trending gully located approximately 8 km west of Monument Hill. Little outcrop is exposed here but abundant float occurs along more than 400 m of the gully. Mineralization was first discovered in 1969 by Cominco. Lead, zinc and copper anomalies were identified but no clear relationship between them was determined (Johnston and Richardson, 1969).

In the late 1970's Prism conducted soil sampling, mapping, trenching and diamond drilling. Results of this soil sampling included values up to 7.4 g/t silver, 2.51 % lead and 790 ppm zinc within extensive northwest trending anomalies. A rock sample collected from a hand dug pit graded 74 g/t silver, 2.15% lead and 790 ppm zinc (Montgomery and Dewonck, 1977). Two samples of quartz rubble containing boulangerite were retrieved from a partially completed trench. The trench failed to reach bedrock due to permafrost but the samples returned 38.06 g/t gold, 343.55 g/t silver, 47.2% lead and 0.01% zinc and 39.43 g/t gold, 581.49 g/t silver, 23.26% lead and 0.06% zinc.

The most encouraging drill results obtained by Prism were from two holes that tested beneath this trench. The first of these holes intersected boulangerite and sphalerite in a narrow quartz vein. A narrow interval yielded 1.51 g/t gold, 54.5 g/t silver, 2.74% lead and 5.26% zinc over 0.5 m. The second hole, drilled at a steeper angle from the same pad, intersected the mineralized quartz vein that assayed 3.50 g/t gold, 60.3 g/t silver, 4.64% lead and 0.04% zinc over 1.1 m. The other four drill holes were either not sampled or contained no significant intersections.

In 1988, NDU Resources collected rock samples in the areas identified by Cominco and Prism as being anomalous for zinc. Samples were collected from two blocky quartz veins, one with blebby galena and the other with jamesonite and boulangerite. The sample containing blebby galena graded greater than 1% lead while the sample containing jamesonite boulangerite contained greater than 1% lead and greater than 100 g/t silver (Cathro, 1989).

Prospecting by ATAC in 2009 revealed that these anomalies appears to follow stratigraphy but are locally overprinted by one or more vein faults. The deep gully located near the Now Showing trends slightly oblique to bedding and corresponds to a main fault. Three of the six holes drilled by Prism are believed to have intersected this and are represented by gougy intervals surrounded by zones of intense veining. These intervals were not sampled.

Transported Gossans

Two transported gossans occur on the Rau Property separated by approximately eighteen kilometres. The **Kathy Showing** comprises a 40 m wide by 30 m long brick red gossanous ferricrete slab, located approximately 750 m southeast of the Rackla Pluton. The gossan is situated downhill of a thrust fault that places Earn Group shale, to the south, over Bouvette Formation carbonates to the north. It is believed that the gossan is formed by fluids traveling along this thrust fault. Soil samples collected by Prism in 1978 returned silver values between 0.08 g/t and 25 g/t, lead values ranging from 32 to 90 ppm and zinc values ranging from 95 to 3900 ppm. Results for other elements were not reported.

The **Ocelot Showing** (also referred to as EL) is located 11.5 km northwest of Monument Hill and was first identified by Prism in 1978. The showing is marked by a 110 m long by 25 m wide gossan, which formed by the precipitation of iron oxides containing silver, lead and zinc from solutions traveling along a permeable horizon (Montgomery and Cavey, 1978). The gossan has a northwest orientation and parallels an adjacent topographic linear feature. The showing is most pronounced in a kill zone to the northwest, which originates at a weakly flowing spring.

The gossan is predominately dolomite rubble cemented by iron oxides and is surrounded by buff to orange weathering dolomite and limestone. Soil samples collected by Prism returned peak values of 3.8 g/t silver, 800 ppm lead and 12.2% zinc.

GEOCHEMISTRY

In 2010, crews performed grid sampling at the Now, Ocelot and Kathy showings and along trend of the Tiger Zone. Further to the northwest of the Ocelot Showing reconnaissance samples were collected along contour lines at intervals of either 50 m or 100 m. A total of 9606 soil samples were collected in 2010, the locations of which are shown on Figures 5 to 14.

Grid samples were collected at 50 m intervals along lines spaced 100 m apart in most areas, while detailed 50 m by 50 m grids were used over the Now, Jaguar and Kathy Showings. The relative line positions were established using handheld GPS, while sample spacing was maintained using compass and topofil. Sample sites are marked by wooden lath bearing aluminum tags inscribed with the corresponding sample number and the grid coordinates, where appropriate.

All soil samples were collected from holes, which were dug with a mattock or augered to depths of 20 to 50 cm below surface. The soil was taken from the bottom of the holes and placed in pre-numbered Kraft paper bags. Above treeline, the samples consisted of immature soils mixed with talus fines. At lower elevations, the sampled material mostly comprised residual soils mixed with glacially transported material.

The samples were transported from the property to Whitehorse in the custody of Archer Cathro employees. From there, they were shipped to ALS Chemex in North Vancouver. At the lab, soil samples were dried and screened to -35 mesh to produce a fine fraction, which was then pulverized to 85% passing 75 microns. Splits of the pulverized fraction were routinely dissolved in aqua regia and analyzed for 35 elements using the ICP-AES technique (ME-ICP41). All samples were also analyzed for gold using fire assay and ICP-AES (Au-ICP21). Certificates of Analysis appear in Appendix II.

Background and anomalous values for gold, silver, arsenic, bismuth, lead, and zinc are summarized in the following table. Background averages, weak, moderate, strong and very strong anomalous thresholds approximately correspond to the 50^{th}, 90^{th}, 98^{th}, 99^{th} and 99.9^{th} percentiles.

Table II: Geochemical Characteristics for Soil Samples

Level	Gold	Silver	Arsenic	Bismuth	Lead	Zinc
Background	3	0.3	17	1	32	182
Weak	24	1.9	106	8	367	1154
Moderate	86	3.8	255	30	782	2106
Strong	175	5.4	514	72	1207	3624
Very Strong	1062	13.6	3821	328	7624	1.25%
Peak	9880	102	>1%	699	2.15%	2.3%

(all values are ppm except gold which is ppb)

Grid sampling in 2010 yielded moderate to strongly anomalous lead and gold values at the Now and Puma showings. Results from the Ocelot showing are subdued by the thick overburden cover in the valley bottom; however, weakly to moderately anomalous lead and zinc values are present.

DIAMOND DRILLING

General

Drilling was done between May 16 and October 4 and was contracted to Superior Diamond Drilling of Kelowna, BC and Beaudoin Diamond Drilling Ltd. of Courtenay, BC. The work was completed with a Mandrill 1200, a JKS-3000 and two B-15 diesel-powered drills using BTW, NQ2, HQ3 and PQ equipment. A total of 18,450.42 m of diamond drilling were completed in 85 holes.

Most of the 2010 holes were located in and around the Tiger Zone and tested along a structural corridor over a strike length of 700 m (Figure 15). Individual drill sections are shown on Figures 16 to 39. Two scout holes were also located within the structural corridor, further along strike to the southeast of the Tiger Zone. Elsewhere, five holes were located at the Ocelot Showing (Figures 40 to 42), six at the Cheetah Showing (Figures 43 to 46), six at the Condor and Kitty Showings (Figures 47 to 50) three at the Now Showing (Figure 51) and one near the Kathy Showing (Figure 52).

Within the Tiger Zone, collar locations were determined relative to the local survey grid established in 2009. Once each drill hole was completed, a Trimble real time kinematic GPS was used to locate and record the final collar position. Collars are marked by scrap drill rods cemented into the hole, steel tag showing the hole number is affixed to each. All drill sites were constructed by hand using rock, soil and timber found nearby. Drill data for the holes is listed in Table III.

Table III: Drill Hole Data

Hole	Easting	Northing	Elev. (m)	Azimuth	Angle	Depth (m)
Rau-10-72	528405.4	7119422.4	1429.9	260.61	228	-60
Rau-10-73	528632.6	7118967.2	1308.5	470.92	228	-75

Rau-10-74	528405.4	7119422.4	1429.9	484.33	228	-72
Rau-10-75	528632.6	7118967.2	1308.5	262.13	228	-68
Rau-10-76	528720.5	7119034.9	1362.1	458.72	228	-73
Rau-10-77	528720.5	7119034.9	1362.1	413.00	228	-68
Rau-10-78	528406.2	7119487.4	1465.4	124.36	228	-74
Rau-10-79	528352.5	7119385.6	1402.7	110.64	228	-62
Rau-10-80	528720.5	7119034.9	1362.1	149.20	228	-50
Rau-10-81	528711.2	7118964.2	1356.9	222.50	228	-65
Rau-10-82	528408.1	7119175.3	1286.6	85.34	228	-60
Rau-10-83	528711.2	7118964.2	1356.9	343.20	228	-75
Rau-10-84	528406.2	7119487.4	1465.4	212.80	228	-67
Rau-10-85	528450.5	7119104.8	1260.6	97.54	228	-60
Rau-10-86	528387.8	7119155.6	1279.7	91.44	228	-60
Rau-10-87	528711.3	7118964.1	1356.9	408.43	228	-67
Rau-10-88	528395.6	7119284.3	1340.4	115.82	228	-60
Rau-10-89	528711.2	7118964.2	1356.9	342.90	228	-59
Rau-10-90	528336.2	7119299.2	1352.1	91.59	228	-60
Rau-10-91	528711.2	7118964.2	1356.9	114.30	228	-45
Rau-10-92	528406.4	7119487.5	1465.4	299.62	228	-76
Rau-10-93	528789.8	7118958.2	1405.1	414.53	228	-65
Rau-10-94	528436.8	7119254.8	1321.9	91.59	228	-61
Rau-10-95	528789.9	7118958.2	1405.1	240.79	228	-60
Rau-10-96	528511.6	7119011.5	1249.6	73.91	228	-62
Rau-10-97	528406.2	7119487.3	1465.4	269.14	228	-65
Rau-10-98	528789.7	7118958.2	1405.1	409.96	228	-58
Rau-10-99	528521.2	7118711.8	1309.8	593.45	48	-75
Rau-10-100	528581.1	7119179.7	1298.9	393.65	228	-50
Rau-10-101	528448.8	7119468.8	1437.0	270.36	228	-67
Rau-10-102	528419.2	7119305.9	1353.4	145.69	228	-63
Rau-10-103	528581.1	7119179.7	1298.9	216.41	228	-63
Rau-10-104	528475.1	7119243.0	1312.3	128.93	228	-60
Rau-10-105	528448.8	7119468.8	1437.0	250.55	228	-78
Rau-10-106	528355.6	7118950.2	1236.0	523.65	48	-80
Rau-10-107	528422.7	7119567.0	1507.7	343.51	228	-72
Rau-10-108	528462.3	7119342.4	1369.6	154.53	228	-60
Rau-10-109	528446.9	7119396.0	1405.9	189.89	228	-60
Rau-10-110	528422.8	7119567.0	1507.7	361.80	228	-79
Rau-10-111	528478.2	7119421.6	1398.4	238.66	228	-60
Rau-10-112	528478.3	7119421.6	1398.4	208.79	228	-70
Rau-10-113	528494.5	7119369.1	1367.7	170.08	228	-60
Rau-10-114	528364.1	7119420.6	1428.1	188.37	228	-60
Rau-10-115	528613.4	7119231.8	1314.1	255.12	228	-60
Rau-10-116	528392.2	7119314.2	1362.1	124.36	228	-60
Rau-10-117	528586.3	7119073.1	1295.1	178.92	228	-60
Rau-10-118	528416.3	7119335.0	1374.8	180.75	228	-60
Rau-10-119	528586.3	7119073.1	1295.1	212.45	228	-73
Rau-10-120	528448.0	7119296.2	1348.0	138.08	228	-60
Rau-10-121	528424.9	7119276.2	1335.4	131.37	228	-60
Rau-10-122	528359.4	7119351.7	1381.8	103.02	228	-60
Rau-10-123	528505.4	7119161.7	1269.7	128.93	228	-60
Rau-10-124	528536.4	7119010.2	1259.7	93.88	228	-62
Rau-10-125	528367.6	7119292.3	1346.4	117.35	228	-60
Rau-10-126	528534.8	7118957.6	1261.7	84.73	228	-82
Rau-10-127	528408.7	7119229.6	1310.9	92.96	228	-60
Rau-10-128	528337.2	7119332.8	1371.4	101.50	228	-60
Rau-10-129	528401.6	7119257.0	1325.4	103.72	228	-60
Rau-10-130	528311.4	7119311.9	1357.8	87.78	228	-60
Rau-10-131	528343.0	7119272.2	1333.7	103.63	228	-60
Rau-10-132	528367.2	7119259.1	1326.2	118.26	228	-60

Rau-SC10-05	532157.0	7118007.0	1070.0	269.75	0	-50
Rau-SC10-06	528778.8	7118564.7	1320.6	425.81	48	-45
Rau-SC10-07	528916.0	7118498.0	1220.0	438.00	48	-50
CH-10-01	524915.0	7122080.0	1755.0	112.17	320	-50
CH-10-02	524915.0	7122080.0	1755.0	207.27	320	-55
CH-10-03	524821.0	7122034.0	1726.0	163.07	320	-50
CH-10-04	524821.0	7122034.0	1726.0	131.07	320	-60
CH-10-05	524633.0	7121932.0	1622.0	146.31	320	-50
CH-10-06	524633.0	7121932.0	1622.0	185.93	320	-71
CO-10-01	527532.0	7120206.0	1425.0	286.06	228	-60
CO-10-02	527581.0	7120279.0	1465.0	307.84	228	-65
CO-10-03	527704.0	7120377.0	1537.0	302.36	228	-60
CO-10-04	527448.0	7120422.0	1515.0	28.41	228	-60
CO-10-05	527447.5	7120421.5	1515.0	221.59	228	-60
CO-10-06	527520.0	7120502.0	1563.0	276.46	228	-60
NW-10-01	518485.0	7121656.0	1104.0	60.96	45	-50
NW-10-02	518485.0	7121656.0	1104.0	67.06	45	-55
NW-10-03	518256.0	7121704.0	1143.0	70.71	45	-50
OC-10-01	516620.0	7127678.0	805.0	152.40	195	-60
OC-10-02	516620.0	7127678.0	805.0	141.73	195	-75
OC-10-03	516675.0	7127678.0	849.0	288.04	195	-60
OC-10-04	516675.0	7127678.0	849.0	307.75	195	-80
OC-10-05	516849.0	7127795.0	818.0	243.54	195	-65
KT-10-01	528060.0	7119940.0	1620.0	249.02	228	-60

Core was transported by helicopter from the drill sites to a logging area on the property, where recovery was measured and geological and geotechnical logging was performed. Geologically and mineralogically favourable intervals from each hole were split with one-half bagged and sent for analysis and the other half returned to the core box. All of the core is stored on the property. Appendix III contains the geological and geotechnical logs.

Core samples were flown by helicopter from the property to a staging area at McQuesten Lake, then transported to Whitehorse by truck, escorted by a representative of Archer Cathro. The samples were shipped from Whitehorse to ALS Chemex in North Vancouver. Core samples were dried and crushed to 70% minus 2 mm, before a 1.5 kg split was taken and pulverized to better than 85% minus 75 microns. To reduce cross contamination between samples during preparation, the equipment was washed twice with quartz silica sand. Splits of the pulverized fraction were routinely dissolved in aqua regia and analyzed for 48 elements using technique ME-MS61, which combined inductively coupled plasma (ICP) with mass spectroscopy (MS) and atomic emission spectroscopy (AES). Samples were analyzed for gold by fire assay finished with atomic absorption spectroscopy (Au-AA26). Certificates of Analysis are found in Appendix II.

Results

Drilling in the vicinity of the Tiger Zone intersected a stacked sequence of hydrothermally dolomitized limestone and volcaniclastic rocks that have been polyphase folded into a series of relatively complex synforms and antiforms. Sulphide mineralization is hosted within stratigraphically conformable layers of replacement hydrothermal dolomite and iron carbonate bound between volcaniclastic and karsted limestone beds. In 2010, the majority of drilling focused on oxide mineralization which occurs in the northwestern half of the Tiger Zone.

Mineralization occurs within a 150 to 200 m wide northwest trending corridor of highly strained carbonate strata that has been traced by diamond drilling over a strike length of 700 m. Regional mapping and prospecting suggests that this structural corridor is a high angle feature that extends for another 20 km or more along strike to the northwest. High grade oxide mineralization appears to occur where north trending high angle subordinate faults cut obliquely across this corridor.

Individual dolomite horizons range from 40 to 120 m thick. Gold occurs with sulphide minerals that wholly or partially replace the dolomite near the crest of local anticline. The sulphide minerals are locally concentrated beneath sericitized volcaniclastic beds, which may have acted as impermeable caps. To date, three mineralized horizons have been identified. The middle horizon (Discovery Horizon), which ranges in thickness from about 40 to 96 m, hosts the most continuous mineralization within the Tiger Zone.

The Discovery Horizon has been the primary focus of drilling to date and has produced the most significant intersections. This horizon is dominantly comprised of coarse grain dolomite and iron carbonates. The main sulphide minerals are pyrite and arsenopyrite while accessory minerals include pyrrhotite, bismuthinite, scheelite and sphalerite. The thickest intersection to date came from hole Rau-09-66, which averaged 4.04 g/t over 96.01 m. Gold values and sulphide abundance in this horizon are highest near the centre of the structural corridor and gradually decrease down dip to the northeast.

To the northwest, the Discovery Horizon (host and mineralization) is completely oxidized. The transition between oxidized and unoxidized material is relatively sharp, occurring over several metres. Oxidation is most intense around subordinate north trending structures where they intersect the northwest trending strain corridor. Holes along this subordinate structural trend include hole Rau-10-88 which intersected 60.44 m of oxide material grading 8.49 g/t gold and hole Rau-10-94, located 50 m to the northwest, which intersected 75.76 m of oxide material grading 5.57 g/t gold.

Oxide mineralization comprises clayey to sandy limonite and goethite with occasional coarse grain quartz fragments. The colour of the oxide mineralization is also quite variable. The most common end members are light yellowish orange, bright orange-brown and dark reddish brown. Textures are often obscured on the core surface but sometimes visible on split surfaces. Typical textures include honeycomb, banded, patchy and rare breccia.

To the southwest, the Discovery Horizon mineralization appears to truncate against a high-angle reverse fault that parallels the structural corridor. This structure is poorly understood and coarse white marble is typically found to the southwest in the footwall of the fault. Only a limited number of holes have tested the southwest side of the fault. The most significant of these holes was Rau-10-99 which intersected thick marble and volcaniclastic units. A 27.51 m wide interval of mineralized coarse grain dolomite was located within the volcaniclastic; however, it did not return any significant results.

The Upper Horizon ranges in thickness from 3 m to 12 m and is similar in appearance and composition to the Discovery Horizon. Gold values are typically lower than the Discovery

Horizon; however, a number of short gold-enriched intervals have been intersected, including 4.94 g/t gold over 7.62 m from hole Rau-10-87.

The Lower Horizon is an offset continuation of the Discovery Horizon located to the southeast and is pyrite dominant with only minor arsenopyrite. Accessory minerals include sphalerite, bismuthinite, galena and scheelite. Hole Rau-10-73 intersected 32.05 m grading 1.97 g/t gold.

Significant intersections from the 2010 diamond drilling are listed on the next page.

Table IV: Significant 2010 Drill Intersections

Hole #	Type	From (m)	To (m)	Interval (m)	Au (g/t)
Rau-10-72	Oxide	178.92	187.81	8.89	0.40
Rau-10-73	Sulphide	121.00	127.00	6.00	1.41
	Sulphide	172.95	205.00	32.05	1.97
Rau-10-74	Oxide	179.22	192.18	12.96	0.33
Rau-10-75	Sulphide	142.34	148.44	6.10	1.01
	Sulphide	193.55	202.69	9.14	0.67
Rau-10-79	Oxide	83.67	103.02	19.35	5.29
Rau-10-80	Sulphide	118.00	125.14	7.14	1.56
Rau-10-81	Sulphide	106.31	117.33	11.02	1.77
Rau-10-82	Sulphide	6.09	53.34	47.25	1.28
Rau-10-83	Sulphide	110.66	116.89	6.23	4.34
Rau-10-85	Sulphide	36.58	44.20	7.62	0.61
	Oxide	57.91	72.75	14.84	0.91
	Sulphide	76.40	91.81	15.41	0.71
Rau-10-86	Oxide	6.10	24.38	18.28	0.58
	Oxide	66.00	72.00	6.00	0.96
Rau-10-87	Sulphide	105.84	113.46	7.62	4.94
	Sulphide	277.00	295.28	18.28	1.95
Rau-10-88	Oxide	31.00	91.44	60.44	8.49
Rau-10-89	Sulphide	103.30	115.29	11.99	0.68
	Sulphide	256.40	272.00	15.60	0.69
	Sulphide	317.74	327.61	9.87	0.93
Rau-10-90	Oxide	32.92	71.72	38.80	17.11
Rau-10-91	Sulphide	99.65	109.12	9.47	0.91
Rau-10-94	Oxide	12.02	87.78	75.76	5.57
Rau-10-96	Oxide	4.57	14.09	9.52	4.17
	Sulphide	14.09	27.21	13.12	5.11
	Oxide	27.21	43.56	16.35	3.03
	Oxide	50.81	57.91	7.10	1.02
	Oxide	62.48	70.10	7.62	1.54
Rau-10-100	Sulphide	127.85	140.00	12.15	0.60
	Sulphide	162.00	169.61	7.61	2.35
Rau-10-101	Oxide	223.38	256.34	32.96	1.02
Rau-10-102	Oxide	45.11	122.83	77.72	1.25
Rau-10-103	Sulphide	85.34	94.45	9.11	1.05

	Sulphide	149.02	164.00	14.98	2.50
Rau-10-104	Oxide	42.06	49.89	7.83	0.59
Rau-10-105	Oxide	210.92	222.20	11.28	6.34
Rau-10-108	Oxide	87.78	125.44	37.66	3.16
Rau-10-109	Oxide	135.60	150.47	14.87	2.35
Rau-10-111	Sulphide	155.59	186.93	31.34	1.10
	Oxide	211.23	219.57	8.34	0.32
Rau-10-112	Oxide	171.60	182.27	10.67	0.48
	Oxide	189.89	202.47	12.58	1.74
Rau-10-113	Oxide	139.30	146.20	6.90	0.66
Rau-10-114	Oxide	122.13	148.74	26.61	2.36
Rau-10-115	Sulphide	184.20	194.70	10.50	1.11
Rau-10-116	Oxide	57.30	108.40	51.10	3.46
Rau-10-117	Sulphide	87.48	160.69	73.21	1.82
Rau-10-118	Oxide	75.59	130.45	54.86	1.62
Rau-10-119	Sulphide	121.01	136.25	15.24	2.05
Rau-10-120	Oxide	61.57	131.23	69.66	2.26
Rau-10-121	Oxide	36.00	92.35	56.35	1.08
Rau-10-122	Oxide	52.73	95.40	42.67	3.42
Rau-10-123	Sulphide	48.16	57.30	9.14	0.73
	Sulphide	64.92	71.02	6.10	0.85
Rau-10-124	Oxide	7.01	17.80	10.79	7.96
	Oxide	29.87	55.78	25.91	6.91
	Sulphide	55.78	89.31	33.53	1.10
Rau-10-125	Oxide	62.48	82.29	19.81	7.12
	Oxide	89.92	100.58	10.66	0.42
Rau-10-126	Oxide	3.96	48.73	44.77	1.95
	Oxide	55.62	84.73	29.11	1.09
Rau-10-127	Oxide	12.19	71.63	59.44	1.37
Rau-10-128	Oxide	42.06	84.73	42.67	2.30
Rau-10-129	Oxide	24.38	76.90	52.52	3.10
Rau-10-130	Oxide	7.01	39.01	32.00	0.67
	Oxide	46.63	86.26	39.63	0.69
Rau-10-131	Oxide	18.82	57.91	39.09	1.92
Rau-10-132	Oxide	29.87	62.51	32.64	8.91
	Sulphide	95.40	110.76	15.36	0.86
CH-10-02	Oxide	89.79	98.18	8.39	0.57
CH-10-03	Oxide	85.34	107.68	22.34	0.82
CH-10-04	Oxide	104.90	121.80	16.90	1.29

Significant intervals were calculated using strict criteria. For unoxidized, sulphide intervals, a cut-off grade of 0.50 g/t was used with a minimum interval width of 6.00 m and maximum internal waste block of 6.00 m. The minimum interval width for oxidized core was 6.00 m with a cut-off grade of 0.25 g/t gold, while the maximum internal waste block was 6.00 m with a cut-off grade of 0.20 g/t gold.

Typical unmineralized intersections comprised grey limestone with varying degrees of brecciation and dolomitization. Fossils (crinoids and coral) are often visible in the more massive

intervals. Fluid collapse breccia is the most common form of brecciation and is more frequent nearer to the structural corridor.

In drill core, the volcaniclastic horizons are visually and geochemically distinguishable from the surrounding limestone and dolomite. Unaltered, they consist of a dark forest green groundmass enclosing calcite amygdules; and where altered, they exhibit strong foliation and sericitiziation, which imparts a buff to tan colour. Geochemically they can be distinguished from the surrounding units by elevated values of the following elements: aluminum, barium, cobalt, chromium, gallium, potassium, lithium, niobium, nickel, phosphorus, tantalum, thallium, vanadium and yttrium. The volcaniclastic horizons often contain magnetite rich intervals. Marble sometimes occur adjacent to volcaniclastic horizons.

A grey to brown and white spotted volcaniclastic unit, referred to as the "Leopard Unit", occurs beneath the Discovery Horizon. Geochemically this unit is similar to the other volcaniclastic units; however, it has a high calcium content. This unit is almost always underlain by a narrow (less than 1 m) wide interval of black, pyritic shale.

Northwest of the Tiger Zone, six diamond drill holes were completed at the Condor Showing and one at the Kitty. A total of 1674.12 m was drilled in these two areas. Drilling at the Condor Showing targeted a geophysical anomaly identified by Condor Consulting, while the single hole at Kitty targeted a north trending structure. All of the holes intersected limestone and dolomite with narrow volcaniclastic intervals. Only thin intersections of oxide were encountered. No significant mineralization was encountered.

Drilling at the Ocelot targeted ground gravity and IP anomalies uphill from the transported gossan. A total of 1133.46 m of drilling in 5 holes was completed at the Ocelot showing. The only significant mineralization intersected was in hole OC-10-01, which intersected 4.23 m grading 552 g/t silver, 14.5% lead and 34.3% zinc from 49.12 m to 53.35 m.

Six diamond drill holes at the Cheetah Showing targeted a prominent linear feature corresponding to a 310 m long string of anomalous soil samples. Drilling intersected dolomite and limestone cut by a steeply dipping oxidized zone. The most significant intersection came from CH-10-04 and graded 1.29 g/t gold over 16.90 m. Although narrower and lower grade, similar oxide intervals were intersected in all of the other holes down dip of the linear.

At the Now Showing, three diamond drill holes targeted beneath and along strike of the historic trenches that exposed mineralization. All three holes were terminated before their target depths due to poor ground conditions and inadequate equipment. No significant mineralization was encountered.

QAQC

During the field season, samples were divided into batches, each containing 31 core samples, 2 standards, 2 blanks and 1 duplicate. A total of 221 standards and 229 blanks were inserted into the sample sequences. Blank samples comprise of landscaping marble obtained from a garden centre in Whitehorse. The weight of each blank sample was determined based upon the core

diameter of the surrounding samples. Blank weight for BTW, NQ, HQ and PQ are 4 kg, 5 kg, 7 kg or 8 kg respectively. Samples of this material were randomly selected and analyzed prior to the field season in order to use as a "blank". Tables summarizing QAQC results are contained in Appendix IV.

Prior to the field season, four sulphide standard samples were prepared by CDN Resource Laboratories Ltd. from core collected in 2009. Four oxide standard samples were purchased from Geostats Pty Ltd. Readily available skarn and silver-lead standards were used for drilling at the Kathy and Ocelot showings. Certificates for each of the standard samples are also contained in Appendix IV, while Table V summarizes the consensus and two standard deviation values for each of the standard samples used during the program.

Table V: Standard Sample Consensus Values

Standard	Sample	Consensus Value	2δ
ROS-1	G306-1	0.41 g/t Au	0.06
ROS-2	G399-2	1.46 g/t Au	0.18
ROS-3	G999-4	3.02 g/t Au	0.42
ROS-4	G306-3	8.66 g/t Au	0.66
RSS-5	2010-A	0.437 g/t Au	0.048
RSS-6	2010-B	1.83 g/t Au	0.21
RSS-7	2010-C	3.83 g/t Au	0.33
RESS-8	2010-D	2.72 g/t Au	0.35
OC-1	CDN-SE1	712 g/t Ag	57
OC-2	CDN-SE2	354 g/t Ag	21
SKARN	ML-1	0.332 g/t Au	0.026
SKARN	ML-5	2.43 g/t Au	0.13

Gold values from all but five of the blank samples were within acceptable range (≤0.05 ppm). The failed samples were from batches 12 (0.06 g/t), 31 (0.10 g/t), 42 (0.16 g/t), 73 (0.08 g/t) and 104 (0.38 g/t). New master pulps were created for all samples in batches 73 and 104 and were reanalyzed by the laboratory to ensure the results were accurate. The remaining samples were found to be within the ALS Chemex's accepted "carry-over" limit given the high gold values of the proceeding samples.

All but ten of the standard sample values are within the acceptable range. Gold values from the sample batches (2, 5, 9, 14, 33, 45, 58, 93, 85 and Cheetah 7) that included failed standards were reanalyzed by the laboratory to ensure results were accurate. Results from the reanalysis were typically consistent with the original values.

A total of 117 duplicate samples, prepared from quarter core, were collected and analyzed throughout the program. In general, there was little variation in gold values between the initial and duplicate samples. On average the duplicate samples show a 13% gain over the original sample. The most notable differences come from low grade samples where even a minor increase in grade translates to a significant percentage gain.

GEOPHYSICS

In late spring 2010, Geotech Ltd. was contracted to complete two helicopter-borne ZTEM (Z-axis tipper electromagnetic) and aeromagnetic geophysical surveys over the Rau property. The initial survey was conducted between May 27th and June 6th and comprised 331 line-kilometers, while the second survey was completed between June 14th and 22nd and totalled 3018.6 line-kilometres. The surveys were flown with an Astar B3 helicopter operated by Geotech, first from a temporary base at the Mayo Airport and later at the McQuesten camp. A copy of Geotech's reports can be found in Appendix V.

Strings of ZTEM conductors have been identified throughout the Rau Property. Many of these parallel to faults and bedding. An approximately 25 km long linear magnetic high, corresponding to the Marmot Formation can be traced through the centre of the property. Typically, conductors can be found along the south side of this magnetic feature.

A modified ground pole-dipole IP survey was completed at the Ocelot Showing by Aurora Geoscience of Whitehorse. The survey was done using a four person crew based out of the McQuesten camp between May 31 and June 10, 2010. Seven lines, totalling 7.7 line-km were tested by this survey. A copy of Aurora's report can be found in Appendix VI.

Section lines 9+600E to 9+700E all show strong chargeability high located towards the centre of each section line. This high coincides with geochemical anomalies and is along strike of the gossan. Unfortunately drilling did not adequately test these anomalies.

In June 2011, MWH Geo-Surveys, Inc. completed ground gravity surveys over four grids on the Rau Property. These grids were located over the Tiger, Ocelot, Condor and Puma showings. highs in close proximity to IP anomalies are located along the northwest edge of the Ocelot grid. At the Puma showing, a linear, north trending high is found along the western edge of the grid, near the ridgeline. No significant anomalies were identified at the Tiger or Condor showings. A copy of MWH's data and maps can be found in Appendix VII. Anomalous

Condor Consulting Inc. was contracted to supervise the ZTEM data collection and complete the final processing, analysis and interpretation of all of the geophysical surveys. A copy of Condor's report can be found in Appendix VIII.

In September 2011, Scintrex Limited was contracted to conduct a Bore-hole Gravity Meter survey at the Tiger Zone in order to determine a specific gravity for the oxide material. Eight holes were chosen for this survey (Rau-10-79, 82, 85, 86, 90, 96, 104 and 116). Following drilling, each of these holes was lined with PVC pipe so that it would remain open and allow for the down-hole survey. A copy of Scintrex's report can be found in Appendix IX.

Results from this survey indicate an average specific gravity for oxide material is 2.46 and 2.86 for the limestone. Measurements directly from core have given average values of 2.38 and 2.83 respectively for both of these unit types.

DISCUSSION AND CONCLUSIONS

The Rau property hosts a significant new carbonate replacement gold discovery in Yukon. At the Tiger Zone, a karsted limestone horizon within a northwest trending structural corridor has been replaced by coarse grain dolomite and hosts significant gold mineralization. North trending faults cut through this mineralization and serve as a conduit for fluids that are responsible for the intense oxidation at the Tiger Zone.

The identification and confirmation of the structural controls at the Tiger Zone, particularly on the oxide mineralization, has provided a model with which to understand the Tiger Zone and to locate similar mineralization elsewhere along trend. North trending structures, identified from airphotos, near geochemical anomalies, such as the Cheetah, Puma, and Cougar should be a high priority exploration target for future exploration.

Drilling in 2010 at the Tiger Zone was designed to produce quality data necessary to initiate a resource calculation. The tight drill spacing within the oxide zone provides a greater level of confidence in the grade and geological continuity. Prior to 2010, obtaining an accurate density for oxide material has proven difficult. Improved drilling techniques, a proper mud program and experience has resulted in much higher recovery of oxide material from which to take density measurements. Combined with the results of the bore-hole gravity survey, a higher level of confidence can now be placed on density measurements. The results from this year's drilling campaign will enable ATAC to proceed forward with a resource calculation.

The Rau project has the potential to host district-scale deposits. Systematic drilling along strike of the Tiger Zone, at the other known showings should be the focus of future exploration, starting with the Ocelot target. At the Tiger Zone, further definition drilling is recommended in order to better delineate and expand any resource. Follow up mapping, prospecting and sampling in order to evaluate geochemical anomalies and develop additional drill targets should be completed on the remainder of the property.

Respectfully submitted

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

Matthew R. Dumala, P.Eng.

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APPENDIX I

STATEMENTS OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Matthew R. Dumala, geological engineer, with business addresses in Vancouver, British Columbia and Whitehorse, Yukon Territory and residential address in Vancouver, British Columbia, do hereby certify that:

1. I graduated from the University of British Columbia in 2002 with a B.A.Sc in Geological Engineering, Option l, mineral and fuel exploration.

2. I registered as a Professional Engineer in the Province of British Columbia on November 14, 2008 (License Number 32783).

3. From 2003 to present, I have been actively engaged in mineral exploration in the Yukon Territory.

4. I have personally participated in the fieldwork reported herein.

Matthew R. Dumala, P.Eng.

APPENDIX II

CERTIFICATES OF ANALYSIS

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 16-JUN-2010
Account: RCM

CERTIFICATE VA10071438

Project: RAU

P.O. No.: EL

This report is for 220 Soil samples submitted to our lab in Vancouver, BC, Canada on 4-JUN-2010.

The following have access to data associated with this certificate:

JOAN MARIACHER	BILL WENGZYNOWSKI	

SAMPLE PREPARATION

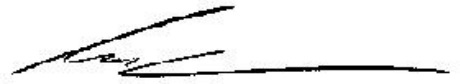
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-31	Pulverize split to 85% <75 um
LOG-22	Sample login - Rcd w/o BarCode
PUL-QC	Pulverizing QC Test
SCR-43	Screen to -500um, discard plus
SCR-01	Screen - Save plus fraction

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Zn-OG46	Ore Grade Zn - Aqua Regia	VARIABLE
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Chemex
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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 16-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10071438

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC74001		0.08	0.001	0.2	1.11	11	<10	140	0.5	<2	2.05	1.2	9	29	25	2.53
CC74002		0.14	<0.001	<0.2	1.79	11	<10	160	<0.5	<2	0.13	<0.5	7	28	43	3.28
CC74003		0.12	0.004	0.5	1.29	70	<10	190	0.5	<2	2.25	6.6	9	21	40	5.51
CC74004		0.12	0.002	0.5	1.24	145	<10	230	0.5	<2	1.67	45.4	9	22	45	9.76
CC74005		0.14	0.001	0.4	1.23	93	<10	280	0.5	<2	3.18	12.7	8	22	39	5.49
CC74006		0.12	0.002	0.3	1.03	12	<10	200	<0.5	<2	3.55	1.3	12	20	32	2.56
CC74007		0.12	0.002	0.2	1.64	10	<10	260	0.6	<2	0.71	0.8	10	29	21	3.05
CC74008		0.08	0.001	0.5	1.48	15	<10	490	0.7	<2	3.09	1.0	13	25	43	3.25
CC74009		0.10	0.001	0.3	1.18	10	<10	270	0.5	<2	1.63	0.6	9	23	29	2.64
CC74010		0.22	0.002	0.4	1.50	13	<10	260	0.6	<2	7.8	0.8	12	22	50	3.09
CC74011		0.12	0.002	0.5	1.30	16	<10	240	0.6	<2	5.78	1.1	12	22	41	2.79
CC74012		0.14	0.003	0.5	1.73	18	<10	250	0.8	<2	2.16	0.7	15	28	47	3.75
CC74013		0.16	0.001	0.5	1.49	17	<10	210	0.6	<2	4.11	0.6	13	25	39	3.17
CC74014		0.10	0.001	0.4	1.37	10	<10	290	0.6	<2	2.22	0.6	10	23	33	2.83
CC74015		0.16	0.002	0.4	1.32	8	<10	270	0.5	<2	4.78	0.5	10	22	35	2.62
CC74016		0.14	0.002	0.3	1.34	10	<10	200	0.5	<2	4.21	0.9	14	51	56	2.73
CC74017		0.16	0.003	0.2	1.90	10	<10	320	0.7	<2	0.48	<0.5	11	32	19	3.22
CC74018		0.12	<0.001	<0.2	1.66	8	<10	220	<0.5	<2	0.22	<0.5	7	28	13	3.18
CC74019		0.10	0.001	0.5	1.38	13	<10	190	0.6	<2	3.46	0.5	11	27	46	3.01
CC74020		0.10	<0.001	0.4	1.31	11	<10	290	0.7	<2	2.37	1.2	10	21	36	2.95
CC74021		0.08	<0.001	0.3	1.32	16	<10	270	0.6	<2	2.10	1.6	11	25	37	3.01
CC74022		0.06	0.002	0.5	1.11	87	<10	200	0.5	<2	3.12	20.9	8	19	36	4.85
CC74023		0.06	NSS	0.3	1.33	10	<10	330	0.5	<2	1.80	0.9	8	25	25	2.58
CC74024		0.10	0.001	0.5	1.44	13	<10	290	0.7	<2	1.38	0.9	12	26	40	3.17
CC74025		0.06	0.001	0.4	1.53	11	<10	300	0.7	<2	1.55	0.7	10	28	33	2.81
CC74026		0.06	0.001	0.3	1.89	16	<10	280	0.9	<2	1.32	0.9	13	28	44	3.62
CC74027		0.08	0.008	0.5	1.15	9	<10	350	0.5	<2	3.62	0.7	9	23	31	2.59
CC74028		0.22	0.002	0.5	1.43	12	<10	300	0.6	<2	2.56	0.8	13	25	38	3.16
CC74029		0.08	<0.001	0.3	1.47	9	<10	350	0.5	<2	1.69	0.6	8	38	34	2.32
CC74030		0.28	0.002	0.4	1.25	16	<10	330	0.6	<2	8.0	3.1	10	22	44	2.67
CC74031		0.22	0.002	0.2	1.09	10	<10	250	<0.5	<2	8.5	0.9	8	23	38	2.18
CC74032		0.22	0.001	<0.2	1.80	16	<10	270	0.7	<2	1.04	<0.5	12	34	26	3.52
CC74033		0.24	0.001	<0.2	2.00	16	<10	350	0.8	<2	0.60	<0.5	11	36	21	3.29
CC74034		0.24	0.002	<0.2	1.88	14	<10	320	0.7	<2	0.44	<0.5	9	31	16	3.14
CC74035		0.36	0.002	0.3	1.13	16	<10	230	0.6	<2	8.6	0.9	9	21	37	2.54
CC74036		0.50	0.002	<0.2	1.15	12	<10	180	<0.5	<2	6.58	0.7	8	18	34	2.36
CC74037		0.30	0.001	0.3	1.21	12	<10	210	0.5	<2	2.48	1.0	10	26	28	2.60
CC74038		0.16	0.003	0.3	1.14	19	<10	210	0.5	<2	4.35	1.7	9	23	39	2.85
CC74039		0.18	<0.001	<0.2	0.87	36	<10	320	<0.5	<2	1.26	62.3	4	22	35	16.9
CC74040		0.38	0.001	0.2	1.12	113	<10	350	0.5	<2	5.08	23.4	8	25	37	7.51

***** See Appendix Page for comments regarding this certificate *****

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Project: RAU

Finalized Date: 16-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10071438

Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
Sample Description Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC74001	<10	<1	0.07	10	1.31	584	1	0.01	28	810	26	0.03	<2	3	25
CC74002	10	<1	0.04	10	0.44	229	2	0.01	25	220	20	<0.01	<2	3	7
CC74003	<10	<1	0.15	10	1.01	701	3	0.02	29	820	36	0.07	<2	3	80
CC74004	<10	<1	0.12	10	1.11	618	2	0.02	33	820	51	0.04	<2	4	43
CC74005	<10	<1	0.14	10	1.99	285	2	0.02	28	840	39	0.06	<2	3	59
CC74006	<10	<1	0.09	10	2.17	1100	2	0.02	30	860	33	0.03	<2	3	32
CC74007	10	<1	0.06	10	0.61	793	1	0.02	25	400	23	0.01	<2	3	17
CC74008	<10	<1	0.12	10	1.78	1000	2	0.02	34	680	37	0.02	<2	4	37
CC74009	<10	<1	0.10	10	0.66	503	1	0.02	23	670	28	0.05	<2	3	27
CC74010	<10	<1	0.17	10	3.17	845	2	0.02	30	680	42	<0.01	<2	4	91
CC74011	10	<1	0.14	10	2.74	904	1	0.02	30	760	41	0.04	<2	4	63
CC74012	<10	<1	0.16	10	1.69	1060	2	0.02	38	650	46	0.01	<2	5	26
CC74013	<10	<1	0.14	10	2.73	955	1	0.02	33	770	39	0.01	<2	4	37
CC74014	<10	<1	0.08	10	1.15	736	2	0.02	25	620	23	0.04	<2	3	25
CC74015	<10	<1	0.09	10	2.90	785	2	0.02	27	670	24	0.01	<2	3	38
CC74016	<10	<1	0.10	10	2.63	756	2	0.02	36	760	24	0.02	<2	3	35
CC74017	10	<1	0.05	20	0.56	927	1	0.02	23	130	21	<0.01	<2	5	14
CC74018	10	1	0.04	10	0.45	260	2	0.01	18	180	21	<0.01	<2	2	10
CC74019	<10	<1	0.09	10	2.16	882	3	0.02	33	690	27	0.01	<2	3	35
CC74020	<10	<1	0.10	10	0.94	1000	2	0.02	29	700	31	0.06	<2	2	61
CC74021	<10	<1	0.14	10	0.86	841	2	0.02	30	730	34	0.06	<2	3	80
CC74022	<10	<1	0.13	10	1.62	441	2	0.02	26	670	36	0.05	<2	3	48
CC74023	<10	<1	0.11	10	0.69	351	1	0.02	22	630	31	0.11	<2	3	29
CC74024	<10	<1	0.12	10	0.77	796	2	0.02	33	650	36	0.05	<2	3	23
CC74025	<10	<1	0.09	10	0.65	742	1	0.02	26	730	27	0.04	<2	2	28
CC74026	10	<1	0.17	10	0.81	762	2	0.02	34	600	44	0.03	<2	4	25
CC74027	<10	<1	0.08	10	1.41	1575	1	0.02	22	780	20	0.09	<2	2	36
CC74028	10	<1	0.13	10	1.46	995	1	0.02	30	890	43	0.04	<2	4	31
CC74029	<10	<1	0.09	10	0.82	203	1	0.02	31	780	25	0.18	<2	4	29
CC74030	<10	<1	0.15	10	2.94	811	1	0.02	32	630	34	0.07	<2	4	81
CC74031	<10	<1	0.13	10	3.90	616	2	0.02	29	610	20	0.06	<2	3	79
CC74032	<10	<1	0.10	10	1.15	644	1	0.01	36	360	25	0.04	2	5	15
CC74033	<10	<1	0.06	10	0.81	852	<1	0.02	28	180	21	0.03	<2	5	16
CC74034	10	<1	0.05	10	0.69	549	<1	0.01	25	170	17	0.03	<2	5	15
CC74035	<10	<1	0.13	10	3.59	742	1	0.02	30	650	29	0.03	<2	4	96
CC74036	<10	<1	0.13	10	3.55	779	1	0.02	25	630	18	0.03	2	3	61
CC74037	<10	<1	0.10	10	1.56	662	2	0.02	31	810	24	0.05	2	3	59
CC74038	<10	1	0.13	10	2.81	1025	2	0.02	40	890	25	0.03	<2	3	42
CC74039	<10	<1	0.08	10	0.82	222	2	0.02	26	720	37	0.20	2	3	49
CC74040	<10	<1	0.14	10	2.53	768	2	0.02	33	690	39	0.21	3	4	63

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Project: RAU

Finalized Date: 16-JUN-2010
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CERTIFICATE OF ANALYSIS VA10071438

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Zn-OG46
	Analyte	Th	Ti	Tl	U	V	W	Zn	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%
	LOR	20	0.01	10	10	1	10	2	0.001
CC74001		<20	0.02	<10	<10	42	<10	199	
CC74002		<20	0.03	<10	<10	71	<10	175	
CC74003		<20	0.01	<10	<10	40	<10	3190	
CC74004		<20	0.02	<10	<10	41	<10	8830	
CC74005		<20	0.02	<10	<10	39	<10	3420	
CC74006		<20	0.02	<10	<10	39	<10	238	
CC74007		<20	0.03	<10	<10	55	<10	155	
CC74008		<20	0.02	<10	<10	48	<10	263	
CC74009		<20	0.01	<10	<10	39	<10	193	
CC74010		<20	0.02	<10	<10	44	<10	166	
CC74011		<20	0.02	<10	<10	42	<10	360	
CC74012		<20	0.02	<10	<10	53	<10	216	
CC74013		<20	0.02	<10	<10	47	<10	163	
CC74014		<20	0.02	<10	<10	46	<10	115	
CC74015		<20	0.02	<10	<10	47	<10	100	
CC74016		<20	0.03	<10	<10	52	<10	140	
CC74017		<20	0.03	<10	<10	63	<10	77	
CC74018		<20	0.04	<10	<10	68	<10	118	
CC74019		<20	0.02	<10	<10	47	<10	122	
CC74020		<20	0.01	<10	<10	42	<10	235	
CC74021		<20	0.01	<10	<10	42	<10	993	
CC74022		<20	0.01	<10	<10	36	<10	3520	
CC74023		<20	0.01	<10	<10	41	<10	424	
CC74024		<20	0.02	<10	<10	48	<10	211	
CC74025		<20	0.02	<10	<10	46	<10	117	
CC74026		<20	0.01	<10	<10	55	<10	190	
CC74027		<20	0.02	<10	<10	37	<10	97	
CC74028		<20	0.02	<10	<10	46	<10	202	
CC74029		<20	0.03	<10	<10	44	<10	121	
CC74030		<20	0.02	<10	<10	40	<10	506	
CC74031		<20	0.04	<10	<10	44	<10	162	
CC74032		<20	0.03	<10	<10	61	<10	119	
CC74033		<20	0.03	<10	<10	68	<10	92	
CC74034		<20	0.03	<10	<10	62	<10	75	
CC74035		<20	0.02	<10	<10	39	<10	143	
CC74036		<20	0.03	<10	<10	43	<10	115	
CC74037		<20	0.03	<10	<10	45	<10	140	
CC74038		<20	0.03	<10	<10	48	<10	264	
CC74039		<20	0.02	<10	<10	37	<10	>10000	1.345
CC74040		<20	0.03	<10	<10	43	<10	4770	

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CERTIFICATE OF ANALYSIS VA10071438

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC74041		0.12	0.002	0.2	1.30	14	<10	280	0.6	<2	3.85	1.7	10	24	36	2.90
CC74042		0.10	0.004	0.2	1.40	14	<10	350	0.6	<2	1.90	1.3	11	28	32	2.95
CC74043		0.28	0.002	0.3	1.47	17	<10	320	0.6	<2	3.63	1.2	13	32	46	3.30
CC74044		0.14	0.002	0.2	1.31	14	<10	370	0.6	<2	3.82	1.2	11	26	40	2.81
CC74045		0.16	<0.001	0.2	1.52	8	<10	430	0.5	<2	2.13	0.7	11	45	39	2.53
CC74046		0.16	0.003	0.3	1.48	8	<10	390	<0.5	<2	2.06	0.5	10	43	31	2.67
CC74047		0.16	0.003	0.3	1.44	13	<10	270	0.6	<2	2.41	0.8	10	31	29	2.92
CC74048		0.24	0.002	0.2	1.30	16	<10	230	0.6	<2	4.34	0.7	10	23	36	2.71
CC74049		0.22	0.330	0.2	1.26	17	<10	200	0.5	<2	2.60	0.5	10	26	28	3.01
CC74050		0.24	<0.001	0.2	1.49	13	<10	250	0.6	<2	2.68	0.5	10	24	30	2.83
CC74051		0.28	0.001	0.2	1.47	15	<10	200	0.7	<2	3.27	<0.5	9	28	28	2.85
CC74052		0.44	0.001	0.4	1.16	15	<10	240	0.5	<2	6.8	0.9	11	21	39	2.64
CC74053		0.34	0.002	0.3	1.29	13	<10	270	0.6	<2	8.0	0.8	10	23	42	2.84
CC74054		0.50	0.003	0.4	1.36	15	<10	240	0.6	<2	5.67	1.2	10	25	43	2.95
CC74055		0.22	0.002	0.3	1.20	16	<10	280	0.5	<2	5.72	1.5	10	27	41	2.77
CC74056		0.60	0.002	0.3	1.12	15	<10	260	0.5	<2	5.83	1.7	8	25	38	2.58
CC74057		0.48	0.003	0.9	0.98	245	<10	260	<0.5	<2	1.18	85.1	2	20	87	18.7
CC74058		0.22	0.001	<0.2	0.37	163	<10	430	<0.5	<2	5.91	117.5	<1	6	23	22.9
CC74059		0.14	0.002	0.4	1.62	17	<10	750	0.7	<2	3.02	2.4	12	32	43	3.18
CC74060		0.12	<0.001	0.2	1.28	16	<10	320	0.5	<2	2.85	3.2	11	25	33	2.88
CC74061		0.26	0.002	<0.2	1.94	16	<10	240	0.9	<2	0.45	0.6	15	33	35	3.72
CC74062		0.14	0.002	0.2	1.24	9	<10	400	<0.5	<2	1.82	1.2	9	34	25	2.10
CC74063		0.26	0.001	0.3	1.24	11	<10	230	0.5	<2	5.55	0.5	9	23	36	2.57
CC74064		0.26	<0.001	<0.2	1.18	13	<10	210	0.5	<2	4.13	0.5	9	24	32	2.51
CC74065		0.26	<0.001	0.3	1.36	14	<10	320	0.6	<2	2.51	0.6	10	25	35	2.78
CC74066		0.24	<0.001	<0.2	3.52	6	<10	300	<0.5	3	4.56	<0.5	26	143	58	4.62
CC74067		0.22	<0.001	<0.2	1.48	9	<10	320	<0.5	2	1.70	0.5	12	48	30	2.91
CC74068		0.16	<0.001	<0.2	1.59	14	<10	210	0.6	<2	1.88	<0.5	10	28	33	3.09
CC74069		0.38	0.001	<0.2	1.53	12	<10	170	0.6	2	3.93	0.5	10	26	35	2.87
CC74070		0.30	0.002	<0.2	1.76	13	<10	230	0.7	2	4.16	<0.5	10	27	36	2.91
CC74071		0.26	0.004	0.2	2.16	16	<10	380	1.0	2	0.52	<0.5	15	39	55	3.83
CC74072		0.40	<0.001	<0.2	0.69	<2	<10	30	<0.5	<2	>25.0	<0.5	3	6	7	1.09
CC74073		0.24	0.001	<0.2	1.84	11	<10	350	0.7	2	0.98	<0.5	11	33	24	3.28
CC74074		0.28	0.003	<0.2	1.52	12	<10	370	0.6	2	2.99	0.7	11	25	40	2.82
CC74075		0.26	<0.001	<0.2	2.46	13	<10	360	0.9	<2	0.64	<0.5	12	41	25	3.47
CC74076		0.12	<0.001	<0.2	1.56	13	<10	220	0.6	<2	3.58	0.5	11	30	37	2.92
CC74077		0.22	0.003	<0.2	0.86	14	10	120	<0.5	2	6.13	0.7	8	17	26	2.52
CC74078		0.38	<0.001	<0.2	1.23	15	<10	140	0.6	<2	6.60	1.9	11	23	42	2.10
CC74079		0.52	0.001	<0.2	1.38	16	<10	350	0.6	3	8.7	0.8	11	23	45	2.89
CC74080		0.14	<0.001	<0.2	1.16	11	<10	330	0.5	3	5.94	1.0	9	21	38	2.50

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10071438

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC74041		<10	<1	0.16	10	2.36	696	1	0.02	31	740	34	0.09	<2	4	41
CC74042		<10	<1	0.16	10	1.09	789	<1	0.02	30	820	33	0.10	<2	4	28
CC74043		<10	<1	0.15	10	2.15	839	1	0.02	34	800	34	0.07	<2	4	41
CC74044		<10	<1	0.14	10	1.82	1075	<1	0.02	30	750	29	0.10	<2	4	44
CC74045		<10	<1	0.09	10	1.02	636	<1	0.02	40	840	18	0.15	<2	4	32
CC74046		<10	<1	0.09	10	0.97	618	<1	0.01	38	860	17	0.17	<2	3	31
CC74047		<10	<1	0.10	10	1.53	817	1	0.01	31	590	23	0.05	<2	3	27
CC74048		<10	<1	0.11	10	2.78	785	1	0.02	32	700	25	0.04	2	3	36
CC74049		<10	<1	0.09	10	1.79	817	1	0.01	29	510	26	0.04	2	3	26
CC74050		<10	<1	0.07	10	1.58	769	1	0.02	27	450	20	0.04	2	4	29
CC74051		<10	<1	0.10	10	2.05	647	1	0.01	28	430	23	0.03	<2	4	30
CC74052		<10	<1	0.14	10	3.25	984	1	0.02	35	700	33	0.03	2	4	81
CC74053		<10	<1	0.16	10	3.29	848	1	0.02	33	640	33	0.03	3	4	90
CC74054		<10	<1	0.17	10	2.58	733	1	0.02	34	740	32	0.04	2	4	93
CC74055		<10	1	0.14	10	2.83	773	2	0.02	37	750	27	0.03	<2	3	67
CC74056		<10	<1	0.13	10	3.02	531	2	0.02	34	710	21	0.03	2	3	68
CC74057		<10	<1	0.10	10	0.85	291	1	0.01	25	640	251	0.08	10	3	38
CC74058		<10	<1	0.04	<10	3.38	320	2	0.02	15	1040	23	0.23	<2	1	60
CC74059		<10	<1	0.11	10	1.78	830	1	0.01	36	810	53	0.05	2	4	31
CC74060		<10	<1	0.12	10	1.80	1080	1	0.02	28	700	34	0.06	<2	3	28
CC74061		10	<1	0.12	20	0.85	949	1	0.01	36	210	44	0.03	2	5	14
CC74062		<10	<1	0.09	10	0.90	246	<1	0.02	27	800	22	0.16	<2	3	28
CC74063		<10	<1	0.12	10	3.23	767	1	0.02	27	650	22	0.04	3	4	44
CC74064		<10	<1	0.08	10	2.71	576	1	0.02	27	600	18	0.04	<2	3	31
CC74065		<10	<1	0.08	10	1.71	635	1	0.01	29	570	20	0.04	2	3	24
CC74066		10	1	0.48	10	4.16	576	<1	0.02	101	910	10	0.09	<2	10	57
CC74067		<10	<1	0.10	10	1.15	822	<1	0.02	41	900	20	0.12	<2	4	29
CC74068		<10	<1	0.11	20	1.49	690	1	0.03	32	540	23	0.03	<2	4	22
CC74069		<10	1	0.11	20	2.33	718	1	0.02	31	530	24	0.03	<2	4	41
CC74070		<10	<1	0.09	20	2.08	724	1	0.02	30	390	23	0.02	<2	5	50
CC74071		10	<1	0.14	20	0.87	901	1	0.02	44	210	31	0.02	<2	6	19
CC74072		<10	<1	0.08	10	0.80	349	<1	0.01	10	210	3	<0.01	<2	3	439
CC74073		<10	<1	0.08	20	0.77	753	1	0.02	28	220	21	0.02	<2	5	20
CC74074		<10	1	0.10	10	1.54	986	<1	0.02	29	780	21	0.05	<2	3	34
CC74075		10	<1	0.09	20	0.84	1005	1	0.02	33	240	27	0.02	<2	6	15
CC74076		10	1	0.13	10	2.49	694	1	0.03	35	780	20	0.04	<2	4	35
CC74077		<10	<1	0.14	10	1.70	489	3	0.04	21	640	25	2.44	<2	2	264
CC74078		<10	<1	0.19	10	3.04	760	<1	0.03	31	670	50	0.53	<2	4	168
CC74079		<10	1	0.19	10	3.46	844	1	0.03	33	660	35	0.03	<2	4	112
CC74080		<10	<1	0.15	10	2.97	869	1	0.03	30	750	26	0.05	<2	3	81

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Project: RAU

Finalized Date: 16-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10071438

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Zn-OG46
	Analyte	Th	Ti	Tl	U	V	W	Zn	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%
	LOR	20	0.01	10	10	1	10	2	0.001
CC74041		<20	0.02	<10	<10	43	<10	1160	
CC74042		<20	0.02	<10	<10	47	<10	584	
CC74043		<20	0.03	<10	<10	51	<10	365	
CC74044		<20	0.02	<10	<10	44	<10	215	
CC74045		<20	0.03	<10	<10	45	<10	138	
CC74046		<20	0.03	<10	<10	42	<10	128	
CC74047		<20	0.02	<10	<10	49	<10	126	
CC74048		<20	0.02	<10	<10	47	<10	123	
CC74049		<20	0.02	<10	<10	49	<10	121	
CC74050		<20	0.03	<10	<10	52	<10	96	
CC74051		<20	0.03	<10	<10	55	<10	101	
CC74052		<20	0.02	<10	<10	41	<10	150	
CC74053		<20	0.02	<10	<10	42	<10	150	
CC74054		<20	0.02	<10	<10	47	<10	207	
CC74055		<20	0.02	<10	<10	46	<10	328	
CC74056		<20	0.03	<10	<10	43	<10	1460	
CC74057		<20	0.02	<10	<10	36	<10	>10000	1.780
CC74058		<20	0.01	<10	10	21	<10	>10000	1.795
CC74059		<20	0.02	<10	<10	51	<10	1995	
CC74060		<20	0.02	<10	<10	46	<10	770	
CC74061		<20	0.02	<10	<10	62	<10	151	
CC74062		<20	0.03	<10	<10	46	<10	250	
CC74063		<20	0.02	<10	<10	43	<10	128	
CC74064		<20	0.02	<10	<10	43	<10	104	
CC74065		<20	0.02	<10	<10	50	<10	105	
CC74066		<20	0.14	<10	<10	90	<10	102	
CC74067		<20	0.04	<10	<10	47	<10	140	
CC74068		<20	0.03	<10	<10	56	<10	109	
CC74069		<20	0.03	<10	<10	53	<10	113	
CC74070		<20	0.04	<10	<10	56	<10	103	
CC74071		<20	0.03	<10	<10	68	<10	125	
CC74072		<20	<0.01	<10	<10	6	<10	23	
CC74073		<20	0.03	<10	<10	60	<10	76	
CC74074		<20	0.02	<10	<10	49	<10	111	
CC74075		<20	0.04	<10	<10	77	<10	118	
CC74076		<20	0.04	<10	<10	54	<10	118	
CC74077		<20	0.01	<10	10	29	<10	186	
CC74078		<20	0.02	<10	<10	40	<10	528	
CC74079		<20	0.02	<10	<10	44	<10	166	
CC74080		<20	0.02	<10	<10	38	<10	168	

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10071438

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC74081		0.24	<0.001	<0.2	1.51	10	<10	380	0.6	<2	3.16	1.3	11	34	47	2.81
CC74082		0.44	0.001	<0.2	1.55	15	<10	260	0.7	<2	5.56	0.9	12	26	51	3.18
CC74083		0.42	<0.001	<0.2	1.46	15	<10	300	0.6	2	7.5	0.8	11	26	47	2.95
CC74084		0.30	0.002	0.3	1.18	14	<10	170	0.6	2	9.2	6.7	8	19	23	2.30
CC74085		0.20	0.001	0.6	1.59	17	<10	420	0.6	2	2.11	8.0	10	31	30	2.77
CC74086		0.40	0.001	<0.2	2.11	13	<10	370	0.7	3	0.59	1.9	11	40	18	3.34
CC74087		0.26	0.001	<0.2	1.27	12	<10	200	0.5	2	5.95	0.7	9	23	34	2.62
CC74088		0.16	<0.001	<0.2	1.60	8	<10	370	0.5	3	1.63	0.7	12	51	24	2.78
CC74089		0.38	<0.001	<0.2	1.06	13	<10	460	<0.5	<2	3.61	0.7	9	22	30	2.63
CC74090		0.24	0.001	<0.2	1.87	14	<10	340	0.7	<2	1.24	0.5	13	35	31	3.49
CC74091		0.32	0.001	<0.2	1.50	10	<10	430	0.5	2	6.12	0.6	10	26	34	2.65
CC74092		0.28	<0.001	<0.2	1.88	10	<10	440	0.7	<2	4.44	0.5	12	36	36	3.04
CC74093		0.32	0.001	<0.2	1.72	12	<10	250	0.7	<2	0.64	<0.5	10	34	17	3.27
CC74094		0.28	0.001	<0.2	1.31	13	<10	220	0.5	<2	3.89	<0.5	9	24	35	2.66
CC74095		0.24	<0.001	<0.2	1.80	14	<10	320	0.7	<2	0.78	<0.5	12	34	23	3.24
CC74096		0.20	0.003	<0.2	1.96	7	<10	350	<0.5	3	2.16	1.0	15	72	42	2.98
CC74097		0.20	0.001	<0.2	1.41	10	<10	280	0.5	<2	4.32	0.5	10	29	26	2.53
CC74098		0.20	0.001	<0.2	1.42	7	<10	370	0.5	<2	5.74	0.5	10	25	32	2.45
CC74099		0.12	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC74100		0.44	0.001	<0.2	1.50	15	<10	240	0.7	2	6.15	0.9	12	25	47	3.02
CC74101		0.36	0.001	<0.2	1.45	15	<10	260	0.6	2	7.6	0.8	12	25	48	3.01
CC74102		0.40	0.001	<0.2	1.42	14	<10	270	0.6	<2	7.5	0.9	11	24	48	2.94
CC74103		0.26	0.001	0.2	1.55	14	<10	290	0.7	<2	8.0	0.9	12	29	48	3.09
CC74104		0.54	0.001	<0.2	1.34	16	<10	250	0.6	2	5.96	0.8	10	24	41	2.90
CC74105		0.56	<0.001	<0.2	1.36	12	<10	290	0.6	<2	6.42	0.9	11	27	42	2.82
CC74106		0.38	0.002	<0.2	0.41	42	<10	110	<0.5	3	1.83	2.6	6	13	52	3.56
CC74107		0.18	0.003	<0.2	2.05	14	<10	280	0.7	<2	0.45	0.6	10	36	24	3.18
CC74108		0.26	0.002	<0.2	2.21	18	<10	200	1.0	3	0.33	1.0	13	35	35	3.38
CC74109		0.10	0.001	<0.2	1.72	17	<10	350	0.5	<2	0.69	1.2	12	47	23	3.17
CC74110		0.12	<0.001	<0.2	1.81	15	<10	330	0.7	<2	1.01	0.8	12	32	27	3.13
CC74111		0.20	0.002	<0.2	1.27	7	<10	330	<0.5	<2	1.97	0.7	10	41	28	2.59
CC74112		0.08	0.001	<0.2	1.43	12	<10	340	0.5	<2	3.69	<0.5	9	25	28	2.69
CC74113		0.20	<0.001	<0.2	2.07	11	<10	530	0.7	2	0.74	<0.5	10	38	20	3.20
CC74114		0.18	<0.001	<0.2	1.93	8	<10	290	0.7	<2	0.81	0.5	10	30	27	3.22
CC74115		0.16	<0.001	<0.2	2.24	12	<10	390	0.8	3	0.61	0.8	12	39	20	3.53
CC74116		0.36	<0.001	<0.2	1.71	11	<10	190	0.7	<2	3.88	<0.5	10	25	29	2.77
CC74117		0.12	<0.001	<0.2	1.00	27	<10	170	0.5	2	2.79	1.6	11	24	15	4.54
CC74118		0.28	0.004	0.2	1.44	16	<10	390	0.7	2	8.1	0.9	7	22	18	2.61
CC74119		0.26	<0.001	<0.2	2.79	7	<10	180	<0.5	2	4.67	<0.5	23	130	58	4.13
CC74120		0.12	0.001	<0.2	1.32	7	<10	310	0.5	<2	4.06	0.6	9	27	36	2.63

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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC74081		<10	<1	0.16	20	2.12	350	1	0.03	36	810	30	0.05	<2	4	65
CC74082		<10	1	0.21	20	3.06	1005	1	0.03	37	700	46	0.03	<2	5	91
CC74083		<10	<1	0.20	20	3.19	826	2	0.02	34	670	40	0.03	<2	4	100
CC74084		<10	<1	0.11	10	5.52	617	1	0.03	25	490	78	0.05	<2	3	45
CC74085		10	<1	0.08	10	0.87	677	1	0.03	26	690	186	0.07	4	3	27
CC74086		10	<1	0.08	10	0.83	555	<1	0.02	28	280	39	0.02	<2	5	14
CC74087		<10	<1	0.13	10	3.51	774	1	0.02	30	740	35	0.03	<2	3	60
CC74088		<10	<1	0.10	10	1.20	388	<1	0.02	35	730	25	0.11	<2	4	29
CC74089		<10	<1	0.07	10	1.56	640	1	0.02	24	810	18	0.09	<2	3	40
CC74090		<10	<1	0.14	20	1.26	840	1	0.02	36	400	29	0.03	<2	4	16
CC74091		<10	<1	0.14	10	3.32	690	1	0.03	32	610	22	0.03	<2	3	57
CC74092		<10	<1	0.14	10	2.34	908	1	0.02	37	560	24	0.05	<2	4	43
CC74093		<10	<1	0.07	10	0.74	762	1	0.02	26	250	33	0.02	<2	4	13
CC74094		<10	<1	0.10	10	2.59	646	1	0.02	29	660	19	0.03	<2	4	37
CC74095		<10	<1	0.09	20	0.87	958	1	0.02	29	310	25	0.02	<2	4	15
CC74096		10	<1	0.13	10	1.72	553	<1	0.02	64	810	30	0.23	<2	5	40
CC74097		<10	<1	0.13	10	2.87	560	1	0.02	31	710	24	0.05	<2	4	38
CC74098		<10	<1	0.14	20	3.16	603	1	0.03	29	620	23	0.03	<2	4	53
CC74099		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC74100		<10	1	0.17	20	2.97	901	1	0.02	36	740	38	0.02	<2	4	74
CC74101		<10	<1	0.18	20	3.15	871	1	0.02	36	690	39	0.02	<2	4	89
CC74102		<10	<1	0.17	20	3.30	806	1	0.03	37	720	38	<0.01	<2	4	88
CC74103		<10	1	0.23	20	3.33	816	1	0.03	35	700	41	<0.01	<2	5	105
CC74104		<10	<1	0.17	10	3.27	791	1	0.03	33	750	43	0.01	<2	4	74
CC74105		<10	<1	0.19	20	3.25	661	1	0.03	32	700	44	<0.01	<2	4	98
CC74106		<10	<1	0.11	20	0.91	293	3	0.02	20	740	60	0.10	8	1	53
CC74107		<10	<1	0.08	20	0.75	549	<1	0.03	27	200	57	<0.01	<2	4	16
CC74108		10	1	0.08	20	0.68	452	<1	0.03	32	140	110	<0.01	<2	6	14
CC74109		<10	<1	0.15	10	0.72	923	1	0.03	25	370	195	0.01	<2	4	17
CC74110		<10	<1	0.12	20	0.81	676	1	0.03	29	430	33	0.01	<2	4	21
CC74111		<10	<1	0.11	10	1.29	617	<1	0.03	30	950	22	0.07	<2	4	29
CC74112		<10	<1	0.11	10	2.47	609	1	0.04	27	750	20	0.03	<2	3	34
CC74113		<10	1	0.08	20	0.71	661	<1	0.03	26	200	33	<0.01	<2	4	15
CC74114		10	<1	0.07	20	0.71	712	<1	0.03	25	330	24	<0.01	<2	4	17
CC74115		10	<1	0.08	20	0.76	752	1	0.02	29	220	26	<0.01	<2	5	15
CC74116		<10	<1	0.11	20	2.69	726	1	0.03	29	530	22	<0.01	<2	5	32
CC74117		<10	<1	0.06	20	1.33	1410	2	0.03	46	280	19	0.01	<2	4	21
CC74118		<10	1	0.07	20	5.07	2810	1	0.02	25	600	31	0.01	<2	3	54
CC74119		10	<1	0.44	10	4.01	581	<1	0.03	91	770	11	<0.01	<2	6	77
CC74120		<10	<1	0.11	10	2.49	627	1	0.03	32	770	18	0.02	<2	3	38

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 16-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10071438

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Zn-OG46
	Analyte	Th	Ti	Tl	U	V	W	Zn	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%
	LOR	20	0.01	10	10	1	10	2	0.001
CC74081		<20	0.03	<10	<10	52	<10	226	
CC74082		<20	0.03	<10	<10	50	<10	200	
CC74083		<20	0.02	<10	<10	46	<10	205	
CC74084		<20	0.01	<10	<10	36	<10	1530	
CC74085		<20	0.03	<10	<10	53	<10	1775	
CC74086		<20	0.04	<10	<10	74	<10	591	
CC74087		<20	0.03	<10	<10	43	<10	166	
CC74088		<20	0.04	<10	<10	56	<10	165	
CC74089		<20	0.03	<10	<10	38	<10	118	
CC74090		<20	0.03	<10	<10	63	<10	135	
CC74091		<20	0.03	<10	<10	50	<10	121	
CC74092		<20	0.03	<10	<10	56	<10	116	
CC74093		<20	0.04	<10	<10	59	<10	126	
CC74094		<20	0.03	<10	<10	47	<10	101	
CC74095		<20	0.03	<10	<10	61	<10	99	
CC74096		<20	0.06	<10	<10	47	<10	171	
CC74097		<20	0.03	<10	<10	51	<10	134	
CC74098		<20	0.04	<10	<10	51	<10	121	
CC74099		NSS	NSS	NSS	NSS	NSS	NSS	NSS	
CC74100		<20	0.02	<10	<10	50	<10	181	
CC74101		<20	0.02	<10	<10	47	<10	173	
CC74102		<20	0.03	<10	<10	48	<10	186	
CC74103		<20	0.03	<10	<10	51	<10	184	
CC74104		<20	0.03	<10	<10	47	<10	185	
CC74105		<20	0.03	<10	<10	47	<10	258	
CC74106		<20	0.01	<10	<10	11	<10	1205	
CC74107		<20	0.04	<10	<10	64	<10	186	
CC74108		<20	0.05	<10	<10	70	<10	157	
CC74109		<20	0.03	<10	<10	59	<10	602	
CC74110		<20	0.03	<10	<10	60	<10	144	
CC74111		<20	0.05	<10	<10	50	<10	128	
CC74112		<20	0.04	<10	<10	50	<10	102	
CC74113		<20	0.04	<10	<10	67	<10	115	
CC74114		<20	0.03	<10	<10	66	<10	108	
CC74115		<20	0.03	<10	<10	74	<10	137	
CC74116		<20	0.03	<10	<10	54	<10	88	
CC74117		<20	0.02	<10	<10	29	<10	158	
CC74118		<20	0.02	<10	<10	52	<10	119	
CC74119		<20	0.21	<10	<10	62	<10	105	
CC74120		<20	0.04	<10	<10	47	<10	120	

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10071438

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC74121		0.10	0.001	<0.2	0.84	11	<10	470	<0.5	3	7.8	<0.5	8	21	20	2.45
CC74122		0.12	0.001	<0.2	1.71	5	<10	220	<0.5	<2	4.17	<0.5	15	66	38	2.94
CC74123		0.32	<0.001	0.2	1.60	15	<10	230	0.7	<2	4.20	0.9	13	29	47	3.24
CC74124		0.44	0.001	<0.2	1.40	15	<10	280	0.6	2	5.57	1.0	12	26	42	3.02
CC74125		0.42	0.001	0.2	1.69	15	<10	320	0.8	2	2.65	1.0	12	31	47	3.39
CC74126		0.46	<0.001	<0.2	1.43	16	<10	310	0.6	2	7.4	1.0	11	24	46	2.96
CC74127		0.44	<0.001	<0.2	1.37	14	<10	300	0.6	<2	7.7	0.9	10	25	45	2.84
CC74128		0.58	<0.001	<0.2	1.22	15	<10	290	0.5	2	9.1	0.9	10	20	40	2.65
CC74129		0.26	0.002	<0.2	1.27	14	<10	260	0.5	<2	1.34	1.3	9	23	21	2.72
CC74130		0.38	0.004	1.0	1.64	25	<10	220	0.7	<2	2.75	1.6	11	27	28	3.40
CC74131		0.24	0.002	0.3	1.77	13	<10	360	0.7	2	1.10	1.9	10	30	30	2.95
CC74132		0.26	0.001	0.2	1.77	16	<10	280	0.7	3	1.31	1.2	9	29	22	3.03
CC74133		0.42	0.002	<0.2	2.08	9	<10	240	0.5	2	0.25	<0.5	9	30	12	2.88
CC74134		0.08	0.001	<0.2	3.09	7	<10	230	0.6	2	1.23	<0.5	25	81	21	5.20
CC74135		0.34	<0.001	<0.2	1.56	10	<10	260	<0.5	<2	10.5	0.5	12	39	34	2.75
CC74136		0.18	<0.001	0.3	2.05	9	<10	460	0.7	2	1.89	1.2	12	31	16	3.33
CC74137		0.32	0.003	<0.2	1.43	12	<10	160	0.6	2	4.23	0.5	9	23	31	2.72
CC74138		0.20	0.002	0.2	2.10	15	<10	320	0.9	<2	0.45	<0.5	12	36	28	3.43
CC74139		0.24	0.002	0.2	1.07	10	<10	170	<0.5	<2	5.70	0.5	8	18	32	2.32
CC74140		0.18	0.011	0.5	1.45	15	<10	520	0.7	<2	2.10	2.8	9	26	46	2.73
CC74141		0.14	<0.001	<0.2	1.89	11	<10	260	0.7	<2	0.43	<0.5	10	31	14	2.91
CC74142		0.14	<0.001	0.2	1.50	11	<10	240	0.6	<2	1.90	0.5	11	30	32	2.99
CC74143		0.30	0.001	0.2	2.26	11	<10	460	0.8	<2	2.91	<0.5	11	32	23	3.18
CC74144		0.22	<0.001	<0.2	1.83	10	<10	450	0.7	<2	1.10	0.5	10	29	17	3.00
CC74145		0.18	0.001	<0.2	1.95	14	<10	400	0.9	<2	0.37	<0.5	11	34	21	3.25
CC74147		0.20	0.001	0.4	1.52	17	<10	240	0.7	<2	6.45	0.7	12	23	44	2.96
CC74148		0.24	0.001	0.2	1.51	12	<10	210	0.5	<2	0.76	0.6	10	26	19	3.00
CC74149		0.22	0.002	<0.2	1.57	16	<10	230	0.7	<2	0.71	<0.5	12	27	22	3.33
CC74150		0.22	0.003	0.3	1.48	14	<10	360	0.6	<2	0.57	<0.5	10	26	16	2.88
CC74151		0.18	0.001	0.7	1.49	11	<10	290	0.6	<2	1.81	2.0	10	23	34	3.02
CC74152		0.20	0.001	0.4	1.52	14	<10	320	0.6	<2	1.92	0.5	9	25	20	2.85
CC74153		0.24	0.006	0.3	1.97	14	<10	380	0.8	<2	0.58	<0.5	10	36	17	3.17
CC74154		0.14	0.002	0.3	2.00	11	<10	510	0.7	<2	0.68	0.6	10	30	16	3.08
CC74155		0.28	0.001	0.2	2.05	17	<10	270	0.9	<2	0.64	<0.5	12	38	24	3.66
CC74156		0.22	<0.001	<0.2	1.79	13	<10	200	0.6	<2	0.30	<0.5	9	29	17	3.09
CC74157		0.36	0.001	0.2	2.59	6	<10	240	0.7	<2	5.30	<0.5	21	78	51	4.32
CC74158		0.12	<0.001	<0.2	1.75	13	<10	810	<0.5	<2	4.85	<0.5	43	143	85	5.30
CC74159		0.26	0.002	<0.2	1.65	16	<10	260	0.7	<2	1.48	<0.5	11	33	21	3.04
CC74160		0.18	0.001	<0.2	1.94	12	<10	310	0.8	<2	0.56	<0.5	11	31	16	3.25
CC74161		0.18	0.002	<0.2	2.06	12	<10	400	0.9	<2	0.52	<0.5	11	37	17	3.30

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1016-510 W HASTINGS ST
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Project: RAU

CERTIFICATE OF ANALYSIS VA10071438

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC74121		<10	1	0.07	10	0.91	626	<1	0.03	26	560	9	0.06	<2	2	68
CC74122		<10	1	0.12	10	1.99	601	<1	0.03	55	920	9	0.05	<2	4	63
CC74123		<10	<1	0.17	20	2.64	969	1	0.03	37	790	42	<0.01	<2	5	50
CC74124		<10	<1	0.16	20	2.96	945	1	0.03	35	780	38	<0.01	<2	4	68
CC74125		<10	<1	0.18	20	1.79	848	1	0.03	38	830	41	0.01	<2	4	34
CC74126		<10	<1	0.18	20	3.01	785	1	0.03	34	710	38	<0.01	<2	4	87
CC74127		<10	1	0.17	20	3.26	754	1	0.03	34	700	37	<0.01	<2	4	91
CC74128		<10	<1	0.15	10	3.68	822	1	0.03	31	640	42	<0.01	<2	4	104
CC74129		<10	<1	0.09	10	0.76	783	1	0.02	22	770	66	0.03	<2	2	21
CC74130		<10	<1	0.09	10	1.98	818	1	0.02	30	620	300	0.01	3	4	28
CC74131		<10	<1	0.06	10	0.74	628	<1	0.03	27	370	35	0.01	<2	4	20
CC74132		<10	<1	0.06	20	1.00	484	<1	0.02	26	260	41	<0.01	<2	5	19
CC74133		10	<1	0.04	10	0.54	300	<1	0.02	21	200	25	<0.01	<2	3	10
CC74134		10	1	0.15	10	2.87	1340	<1	0.03	66	1970	13	0.02	<2	7	34
CC74135		<10	<1	0.13	10	4.35	646	1	0.03	45	610	22	0.01	<2	4	93
CC74136		<10	<1	0.08	10	1.44	1365	1	0.02	28	430	21	<0.01	<2	4	19
CC74137		<10	<1	0.09	20	2.63	653	1	0.02	31	560	21	0.01	<2	4	39
CC74138		<10	<1	0.07	20	0.68	735	<1	0.01	32	160	22	0.01	<2	6	15
CC74139		<10	<1	0.09	10	3.49	778	<1	0.02	26	650	18	0.02	<2	3	48
CC74140		<10	<1	0.06	20	1.12	556	<1	0.02	27	660	147	0.05	<2	3	22
CC74141		10	<1	0.05	10	0.59	602	<1	0.02	21	130	18	<0.01	<2	4	13
CC74142		<10	<1	0.11	10	1.43	781	<1	0.02	32	530	23	0.02	<2	4	24
CC74143		10	<1	0.07	20	1.65	1050	<1	0.02	28	320	23	0.03	<2	5	20
CC74144		<10	<1	0.06	10	0.79	764	<1	0.02	24	210	20	0.01	<2	4	15
CC74145		<10	<1	0.07	20	0.64	547	<1	0.02	27	120	20	<0.01	<2	6	13
CC74147		<10	<1	0.15	10	3.01	844	<1	0.02	32	630	32	0.02	<2	4	80
CC74148		<10	<1	0.07	10	0.71	738	<1	0.01	21	220	32	0.02	<2	4	15
CC74149		<10	<1	0.09	10	0.84	880	<1	0.01	28	340	35	0.02	<2	4	15
CC74150		<10	<1	0.06	10	0.63	626	<1	0.01	21	410	28	0.02	<2	3	16
CC74151		<10	<1	0.11	10	0.99	752	<1	0.02	26	620	89	0.04	<2	3	24
CC74152		<10	<1	0.09	10	1.44	513	<1	0.02	23	400	51	0.02	<2	4	22
CC74153		10	<1	0.07	20	0.77	393	<1	0.02	25	210	104	0.02	<2	5	15
CC74154		10	<1	0.06	10	0.66	793	<1	0.02	20	260	51	0.02	<2	5	15
CC74155		10	<1	0.10	20	0.93	820	<1	0.01	32	220	64	0.01	<2	6	15
CC74156		<10	<1	0.07	10	0.62	494	<1	0.01	25	200	32	0.01	<2	4	11
CC74157		10	1	0.29	10	4.94	821	<1	0.02	60	1390	18	0.02	<2	8	78
CC74158		<10	<1	0.26	20	3.43	409	<1	0.02	285	1490	4	0.12	2	7	70
CC74159		10	<1	0.09	20	1.29	565	<1	0.02	33	260	18	0.02	<2	5	17
CC74160		<10	<1	0.07	20	0.71	854	<1	0.02	25	180	19	0.02	<2	5	14
CC74161		10	<1	0.07	20	0.68	747	<1	0.02	26	190	17	0.01	<2	5	15

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Project: RAU

Finalized Date: 16-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10071438

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Zn-OG46
	Analyte	Th	Ti	Tl	U	V	W	Zn	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%
	LOR	20	0.01	10	10	1	10	2	0.001
CC74121		<20	0.02	<10	<10	23	<10	83	
CC74122		<20	0.10	<10	<10	43	<10	83	
CC74123		<20	0.03	<10	<10	51	<10	184	
CC74124		<20	0.03	<10	<10	49	<10	184	
CC74125		<20	0.02	<10	<10	56	<10	212	
CC74126		<20	0.03	<10	<10	47	<10	213	
CC74127		<20	0.03	<10	<10	46	<10	180	
CC74128		<20	0.02	<10	<10	42	<10	171	
CC74129		<20	0.03	<10	<10	47	<10	262	
CC74130		<20	0.03	<10	<10	55	<10	483	
CC74131		<20	0.03	<10	<10	56	<10	194	
CC74132		<20	0.04	<10	<10	60	<10	232	
CC74133		<20	0.04	<10	<10	63	<10	101	
CC74134		<20	0.08	<10	<10	97	<10	150	
CC74135		<20	0.06	<10	<10	49	<10	108	
CC74136		<20	0.03	<10	<10	63	<10	142	
CC74137		<20	0.03	<10	<10	52	<10	104	
CC74138		<20	0.04	<10	<10	67	<10	100	
CC74139		<20	0.03	<10	<10	40	<10	103	
CC74140		<20	0.02	<10	<10	43	<10	194	
CC74141		<20	0.03	<10	<10	61	<10	77	
CC74142		<20	0.03	<10	<10	49	<10	108	
CC74143		<20	0.02	<10	<10	64	<10	126	
CC74144		<20	0.03	<10	<10	59	<10	100	
CC74145		<20	0.04	<10	<10	62	<10	69	
CC74147		<20	0.02	<10	<10	45	<10	145	
CC74148		<20	0.03	<10	<10	52	<10	169	
CC74149		<20	0.02	<10	<10	53	<10	129	
CC74150		<20	0.03	<10	<10	49	<10	124	
CC74151		<20	0.02	<10	<10	49	<10	304	
CC74152		<20	0.03	<10	<10	50	<10	174	
CC74153		<20	0.03	<10	<10	64	<10	195	
CC74154		<20	0.03	<10	<10	64	<10	187	
CC74155		<20	0.03	<10	<10	68	<10	250	
CC74156		<20	0.03	<10	<10	60	<10	85	
CC74157		<20	0.10	<10	<10	92	<10	112	
CC74158		<20	0.05	<10	<10	46	<10	96	
CC74159		<20	0.03	<10	<10	54	<10	84	
CC74160		<20	0.04	<10	<10	63	<10	95	
CC74161		<20	0.03	<10	<10	67	<10	106	

***** See Appendix Page for comments regarding this certificate *****

ALS Chemex
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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10071438

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC74162		0.20	0.001	0.2	2.32	10	<10	280	0.9	<2	0.37	<0.5	11	35	14	3.21
CC74163		0.20	0.003	0.2	2.01	13	<10	310	0.8	<2	0.42	<0.5	12	36	23	3.31
CC74164		0.16	0.002	0.2	2.01	10	<10	310	0.8	<2	0.84	0.9	11	30	23	3.22
CC74165		0.10	0.005	0.2	1.37	10	<10	350	0.5	<2	1.83	0.5	11	34	33	2.77
CC74166		0.22	0.001	0.3	1.74	11	<10	380	0.7	<2	1.57	<0.5	10	29	25	2.84
CC74167		0.42	0.003	<0.2	1.74	16	<10	560	0.7	<2	2.79	<0.5	12	35	20	3.47
CC74168		0.12	<0.001	0.2	2.53	7	<10	470	0.9	<2	1.55	1.8	12	32	20	3.45
CC74169		0.24	0.001	<0.2	2.06	10	<10	330	0.8	<2	0.40	<0.5	11	36	18	3.16
CC74170		0.20	<0.001	<0.2	1.51	10	<10	230	0.5	<2	0.48	<0.5	11	26	13	3.36
CC74171		0.34	0.001	<0.2	1.80	12	<10	230	0.6	<2	0.37	<0.5	10	35	14	3.16
CC74172		0.16	0.001	<0.2	1.58	11	<10	260	0.6	<2	0.90	0.9	10	27	16	2.96
CC74173		0.08	0.003	0.4	1.37	13	<10	320	0.6	<2	2.12	1.2	11	30	38	2.74
CC74174		0.20	0.001	0.3	1.90	15	<10	350	0.7	<2	0.47	1.3	11	32	13	3.28
CC74175		0.10	0.004	0.7	1.40	12	<10	340	0.6	<2	2.78	0.9	9	34	38	2.74
CC74176		0.42	0.006	0.7	1.45	16	<10	160	0.6	<2	3.83	0.8	10	33	31	3.04
CC74177		0.22	0.002	0.2	1.97	11	<10	300	0.7	<2	0.48	0.6	10	33	14	3.14
CC74178		0.08	NSS	0.3	0.17	2	<10	410	<0.5	<2	4.42	32.0	1	2	11	0.22
CC74179		0.20	0.002	0.3	1.91	16	<10	300	0.6	<2	0.45	7.5	10	34	10	2.92
CC74180		0.12	0.001	0.5	1.31	15	<10	380	0.6	<2	4.01	1.0	10	23	34	2.72
CC74181		0.10	0.003	<0.2	1.89	4	<10	330	0.5	<2	2.14	0.6	14	74	21	3.15
CC74182		0.40	0.003	0.2	1.27	10	<10	150	0.5	<2	5.49	0.5	8	21	27	2.45
CC74183		0.12	0.001	0.3	2.10	9	<10	450	0.9	<2	0.96	<0.5	12	38	20	3.26
CC74184		0.40	0.001	0.3	1.97	15	<10	230	0.9	<2	1.67	<0.5	11	31	28	3.43
CC74185		0.24	<0.001	0.2	2.34	13	<10	290	1.0	<2	0.58	0.5	12	36	20	3.57
CC74186		0.36	0.005	0.4	1.56	15	<10	160	0.7	<2	0.76	<0.5	11	29	34	3.25
CC74187		0.32	0.027	0.3	2.00	15	<10	260	0.8	<2	0.62	<0.5	13	39	46	3.65
CC74188		0.10	<0.001	0.2	1.42	12	<10	280	0.6	<2	2.96	1.1	9	24	34	2.81
CC74189		0.20	0.007	1.2	2.42	33	<10	730	<0.5	5	4.10	0.5	26	121	62	4.56
CC74190		0.12	0.002	0.3	1.36	8	<10	480	<0.5	<2	1.27	0.6	7	28	19	2.81
CC74191		0.04	NSS	0.2	0.15	<2	<10	250	<0.5	<2	2.92	0.5	1	7	15	0.34
CC74192		0.40	0.003	0.5	1.32	13	<10	210	0.6	<2	4.73	1.7	14	23	43	3.06
CC74193		0.36	0.002	0.3	1.85	13	<10	260	0.8	<2	1.66	<0.5	10	31	30	3.40
CC74194		0.50	0.002	0.5	1.41	13	<10	310	0.6	<2	1.20	1.6	11	26	24	2.86
CC74195		0.22	0.003	0.4	1.50	14	<10	230	0.6	<2	1.35	1.5	11	30	26	3.22
CC74196		0.34	0.002	0.7	1.64	19	<10	210	0.7	<2	1.22	1.3	11	27	27	3.43
CC74197		0.46	0.001	0.2	1.95	11	<10	320	0.8	<2	0.53	0.6	11	34	20	3.12
CC74198		0.36	0.001	0.4	1.95	15	<10	240	0.7	<2	0.34	0.8	10	30	18	3.29
CC74199		0.44	0.001	0.2	1.91	10	<10	300	0.8	<2	0.57	0.7	11	35	24	3.39
CC74200		0.26	0.001	0.2	1.80	11	<10	280	0.8	<2	0.86	1.1	10	29	22	3.19
CC74201		0.48	0.001	<0.2	1.97	8	<10	260	0.6	<2	0.29	<0.5	9	32	18	2.89

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1016-510 W HASTINGS ST
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Project: RAU

CERTIFICATE OF ANALYSIS VA10071438

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC74162		10	<1	0.06	20	0.62	519	<1	0.02	26	160	20	0.01	<2	5	14
CC74163		10	<1	0.09	20	0.71	739	<1	0.02	28	230	23	0.01	<2	5	16
CC74164		10	<1	0.07	10	0.76	1145	<1	0.02	27	210	27	0.02	<2	5	18
CC74165		<10	<1	0.11	10	1.08	868	<1	0.02	27	790	18	0.04	<2	4	29
CC74166		<10	<1	0.07	10	1.02	632	<1	0.02	26	350	18	0.02	<2	4	22
CC74167		<10	<1	0.07	20	1.45	795	<1	0.02	33	220	17	0.02	<2	6	28
CC74168		10	<1	0.08	10	0.60	2340	<1	0.02	22	390	28	0.04	<2	4	20
CC74169		10	<1	0.07	20	0.64	775	<1	0.01	25	130	37	0.01	<2	5	11
CC74170		<10	<1	0.09	10	0.64	855	<1	0.02	20	250	30	0.01	<2	3	13
CC74171		<10	<1	0.08	10	0.66	598	<1	0.02	21	190	21	0.01	<2	4	13
CC74172		<10	<1	0.10	10	0.64	704	<1	0.02	19	440	33	0.03	<2	3	19
CC74173		<10	<1	0.09	10	1.19	833	<1	0.02	27	800	36	0.04	<2	3	27
CC74174		10	<1	0.08	10	0.70	714	<1	0.02	23	120	39	0.01	<2	4	14
CC74175		<10	<1	0.11	10	1.52	656	<1	0.02	29	830	65	0.04	<2	3	30
CC74176		<10	1	0.10	10	2.27	673	1	0.01	33	390	81	0.02	<2	5	32
CC74177		<10	<1	0.07	10	0.60	1275	1	0.01	21	170	40	0.01	<2	4	12
CC74178		<10	<1	0.02	<10	0.85	172	<1	0.02	4	700	5	0.16	<2	<1	28
CC74179		10	<1	0.05	10	0.60	582	<1	0.01	22	170	112	0.01	<2	4	13
CC74180		<10	<1	0.14	10	2.38	675	1	0.01	31	800	49	0.05	<2	3	35
CC74181		<10	<1	0.10	10	2.31	830	<1	0.01	47	1630	14	0.10	<2	5	38
CC74182		<10	<1	0.08	10	2.68	585	1	0.01	26	510	19	0.03	<2	3	49
CC74183		10	<1	0.08	20	0.74	1410	<1	0.02	25	240	26	0.03	<2	5	20
CC74184		<10	<1	0.08	10	1.40	867	1	0.01	33	310	27	0.02	<2	5	18
CC74185		<10	<1	0.07	20	0.82	1240	1	0.01	33	220	27	0.01	<2	6	13
CC74186		<10	<1	0.07	20	0.93	669	<1	0.01	32	240	24	0.02	<2	5	14
CC74187		<10	<1	0.10	20	0.94	830	1	0.01	40	240	29	0.02	<2	6	15
CC74188		<10	<1	0.13	10	1.50	745	1	0.02	30	600	22	0.05	<2	3	32
CC74189		<10	1	0.39	10	3.35	781	<1	0.02	111	730	68	0.05	2	6	49
CC74190		<10	<1	0.08	10	0.54	313	1	0.02	19	870	15	0.13	<2	3	27
CC74191		<10	<1	0.05	<10	0.29	95	<1	0.02	6	530	2	0.14	<2	<1	32
CC74192		<10	<1	0.14	10	2.80	1225	1	0.01	41	780	40	0.02	<2	4	46
CC74193		<10	<1	0.10	20	1.39	727	1	0.01	33	360	37	0.02	<2	5	18
CC74194		<10	<1	0.10	10	0.74	638	<1	0.01	26	910	38	0.05	<2	4	25
CC74195		<10	<1	0.09	10	0.94	929	1	0.01	27	480	54	0.04	<2	3	18
CC74196		<10	<1	0.10	10	1.04	984	1	0.01	30	440	141	0.03	3	4	18
CC74197		<10	<1	0.06	10	0.64	786	1	0.01	24	170	38	0.01	<2	5	13
CC74198		<10	1	0.07	10	0.63	461	1	0.01	28	230	68	0.01	<2	4	12
CC74199		<10	<1	0.07	10	0.73	837	<1	0.01	29	230	32	0.02	<2	5	15
CC74200		<10	<1	0.07	10	0.72	859	1	0.01	26	300	34	0.02	<2	4	17
CC74201		<10	<1	0.05	10	0.60	385	<1	0.01	24	140	24	0.01	<2	4	11

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 16-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10071438

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Zn-OG46
	Analyte	Th	Ti	Tl	U	V	W	Zn	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%
	LOR	20	0.01	10	10	1	10	2	0.001
CC74162		<20	0.03	<10	<10	71	<10	110	
CC74163		<20	0.03	<10	<10	67	<10	94	
CC74164		<20	0.03	<10	<10	66	<10	120	
CC74165		<20	0.03	<10	<10	46	<10	104	
CC74166		<20	0.03	<10	<10	55	<10	73	
CC74167		<20	0.03	<10	<10	56	<10	65	
CC74168		<20	0.02	<10	<10	68	<10	181	
CC74169		<20	0.03	<10	<10	68	<10	118	
CC74170		<20	0.03	<10	<10	55	<10	95	
CC74171		<20	0.03	<10	<10	62	<10	87	
CC74172		<20	0.02	<10	<10	53	<10	174	
CC74173		<20	0.02	<10	<10	44	<10	180	
CC74174		<20	0.04	<10	<10	65	<10	176	
CC74175		<20	0.03	<10	<10	48	<10	164	
CC74176		<20	0.03	<10	<10	52	<10	239	
CC74177		<20	0.03	<10	<10	68	<10	137	
CC74178		<20	<0.01	<10	<10	6	<10	1460	
CC74179		<20	0.03	<10	<10	68	<10	1795	
CC74180		<20	0.02	<10	<10	46	<10	209	
CC74181		<20	0.06	<10	<10	65	<10	130	
CC74182		<20	0.02	<10	<10	46	<10	82	
CC74183		<20	0.03	<10	<10	65	<10	102	
CC74184		<20	0.02	<10	<10	69	<10	105	
CC74185		<20	0.03	<10	<10	78	<10	108	
CC74186		<20	0.04	<10	<10	55	<10	85	
CC74187		<20	0.03	<10	<10	71	<10	119	
CC74188		<20	0.02	<10	<10	50	<10	139	
CC74189		<20	0.09	<10	<10	54	<10	165	
CC74190		<20	0.03	<10	<10	43	<10	62	
CC74191		<20	<0.01	<10	<10	5	<10	76	
CC74192		<20	0.02	<10	<10	46	<10	198	
CC74193		<20	0.02	<10	<10	64	<10	114	
CC74194		<20	0.03	<10	<10	50	<10	184	
CC74195		<20	0.02	<10	<10	53	<10	211	
CC74196		<20	0.02	<10	<10	57	<10	280	
CC74197		<20	0.03	<10	<10	64	<10	115	
CC74198		<20	0.02	<10	<10	65	<10	136	
CC74199		<20	0.03	<10	<10	64	<10	148	
CC74200		<20	0.03	<10	<10	59	<10	146	
CC74201		<20	0.03	<10	<10	64	<10	89	

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Project: RAU

Finalized Date: 16-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10071438

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC74202		0.20	<0.001	<0.2	1.62	10	<10	260	<0.5	<2	2.07	<0.5	21	50	27	3.56
CC74203		0.24	0.001	0.3	4.35	3	<10	330	1.0	<2	1.38	0.5	33	151	46	6.23
CC74204		0.22	0.001	0.3	1.49	13	<10	260	0.5	<2	2.43	0.6	9	30	26	3.00
CC74205		0.60	0.002	<0.2	1.46	13	<10	250	0.6	<2	4.20	<0.5	9	24	27	2.76
CC74206		0.46	0.005	0.5	1.02	30	<10	570	<0.5	<2	8.6	<0.5	6	19	17	2.02
CC74207		0.42	0.002	0.2	2.31	10	<10	420	0.7	<2	0.54	<0.5	10	33	18	2.96
CC74208		0.48	0.005	0.3	2.07	15	<10	380	0.9	<2	0.48	<0.5	12	36	30	3.49
CC74209		0.46	0.003	0.3	1.40	11	<10	300	0.6	<2	3.55	0.5	10	25	36	2.90
CC74210		0.42	0.003	0.4	1.53	15	<10	310	0.7	<2	2.50	0.5	11	30	43	3.19
CC74211		0.40	0.008	0.4	1.26	10	<10	390	0.5	<2	3.26	1.1	10	23	38	2.48
CC74212		0.46	0.001	0.3	1.75	15	<10	260	0.7	<2	1.11	0.7	11	32	22	3.37
CC74213		0.54	0.001	0.3	1.90	20	<10	390	0.8	<2	0.38	1.1	12	31	18	3.66
CC74214		0.56	0.003	0.2	1.88	13	<10	320	0.8	<2	0.52	<0.5	10	33	20	3.15
CC74215		0.46	0.002	<0.2	1.97	10	<10	250	0.7	<2	0.30	<0.5	10	32	19	2.74
CC74216		0.48	0.002	0.3	1.47	14	<10	290	0.6	<2	4.36	0.8	10	29	32	2.72
CC74217		0.28	<0.001	1.8	1.51	30	<10	390	0.6	<2	2.28	1.7	12	26	28	3.13
CC74218		0.42	0.002	0.3	2.28	16	<10	330	0.9	<2	2.10	1.9	13	36	28	3.22
CC74219		0.38	0.001	<0.2	2.22	11	<10	260	0.8	<2	0.29	<0.5	10	36	21	3.07
CC74220		0.34	0.001	<0.2	2.03	7	<10	170	0.5	<2	2.14	<0.5	17	53	35	4.00
CC74221		0.22	0.004	0.3	1.41	10	<10	540	0.5	<2	2.68	<0.5	12	33	34	2.77

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 16-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10071438

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC74202		<10	<1	0.22	10	1.09	682	1	0.01	45	1370	18	0.07	<2	3	36
CC74203		10	1	0.31	10	5.48	1025	<1	0.01	99	2300	11	0.06	<2	12	46
CC74204		<10	<1	0.12	10	1.72	711	1	0.01	29	460	27	0.03	<2	4	24
CC74205		<10	<1	0.09	10	2.46	633	1	0.01	28	440	22	0.02	<2	4	37
CC74206		<10	<1	0.07	10	5.45	877	<1	0.02	22	440	28	0.04	<2	3	40
CC74207		10	<1	0.05	20	0.67	606	<1	0.02	21	230	17	0.02	<2	5	16
CC74208		<10	1	0.08	20	0.71	710	<1	0.01	31	180	27	0.01	<2	6	15
CC74209		<10	1	0.09	10	2.43	1025	1	0.02	31	740	21	0.02	<2	4	31
CC74210		<10	<1	0.12	10	1.93	1045	1	0.01	37	660	34	0.01	<2	5	26
CC74211		<10	<1	0.09	10	1.72	718	<1	0.02	28	760	37	0.04	<2	3	34
CC74212		<10	<1	0.11	10	1.05	766	<1	0.02	28	300	76	<0.01	<2	5	16
CC74213		10	<1	0.10	10	0.77	1010	<1	0.01	28	180	140	<0.01	2	5	13
CC74214		<10	<1	0.06	20	0.67	563	<1	0.02	25	200	43	<0.01	<2	5	14
CC74215		10	<1	0.06	20	0.60	467	<1	0.01	26	90	40	<0.01	<2	5	12
CC74216		<10	<1	0.10	10	2.51	512	<1	0.02	26	480	42	<0.01	<2	4	40
CC74217		<10	<1	0.13	10	1.48	814	<1	0.02	30	730	423	0.03	2	3	26
CC74218		10	<1	0.09	10	1.31	661	<1	0.02	29	430	60	<0.01	<2	5	27
CC74219		10	<1	0.05	20	0.65	392	<1	0.01	26	130	24	<0.01	<2	5	12
CC74220		<10	<1	0.18	10	1.91	936	<1	0.02	39	760	13	0.04	<2	5	31
CC74221		<10	<1	0.10	10	1.68	574	<1	0.02	42	810	18	0.04	<2	4	30

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VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 16-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10071438

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Zn-OG46
	Analyte	Th	Ti	Tl	U	V	W	Zn	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%
	LOR	20	0.01	10	10	1	10	2	0.001
CC74202		<20	0.06	<10	<10	55	<10	77	
CC74203		<20	0.16	<10	<10	143	<10	110	
CC74204		<20	0.03	<10	<10	53	<10	123	
CC74205		<20	0.03	<10	<10	50	<10	97	
CC74206		<20	0.02	<10	<10	35	<10	103	
CC74207		<20	0.04	<10	<10	71	<10	75	
CC74208		<20	0.03	<10	<10	71	<10	103	
CC74209		<20	0.03	<10	<10	49	<10	109	
CC74210		<20	0.03	<10	<10	51	<10	132	
CC74211		<20	0.02	<10	<10	42	<10	156	
CC74212		<20	0.03	<10	<10	59	<10	204	
CC74213		<20	0.03	<10	<10	68	<10	262	
CC74214		<20	0.03	<10	<10	60	<10	114	
CC74215		<20	0.03	<10	<10	61	<10	74	
CC74216		<20	0.03	<10	<10	49	<10	239	
CC74217		<20	0.02	<10	<10	52	<10	509	
CC74218		<20	0.03	<10	<10	66	<10	265	
CC74219		<20	0.04	<10	<10	69	<10	82	
CC74220		<20	0.10	<10	<10	62	<10	72	
CC74221		<20	0.04	<10	<10	48	<10	97	

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CERTIFICATE OF ANALYSIS VA10071438

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non-sufficient sample.

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Finalized Date: 16-JUN-2010
Account: RCM

CERTIFICATE VA10071439

Project: RAU

P.O. No.: EL

This report is for 221 Soil samples submitted to our lab in Vancouver, BC, Canada on 4-JUN-2010.

The following have access to data associated with this certificate:

JOAN MARIACHER	BILL WENGZYNOWSKI	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-31	Pulverize split to 85% <75 um
LOG-22	Sample login - Rcd w/o BarCode
PUL-QC	Pulverizing QC Test
SCR-43	Screen to -500um, discard plus
SCR-01	Screen - Save plus fraction

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Project: RAU

CERTIFICATE OF ANALYSIS VA10071439

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC74222		0.36	0.004	0.2	1.50	10	<10	240	0.6	<2	4.34	<0.5	9	24	26	2.70
CC74223		0.34	0.003	0.2	1.93	11	<10	260	0.9	<2	0.42	<0.5	12	36	27	3.61
CC74224		0.24	0.002	0.2	1.76	9	<10	470	0.7	<2	1.21	<0.5	10	29	26	2.86
CC74225		0.26	0.003	0.4	1.63	11	<10	310	0.7	<2	1.90	<0.5	11	28	31	2.96
CC74226		0.28	0.004	<0.2	1.45	12	<10	380	0.6	<2	2.02	0.6	10	27	24	2.77
CC74227		0.34	0.001	<0.2	1.95	13	<10	260	0.8	<2	0.28	<0.5	12	32	24	3.44
CC74228		0.26	0.002	0.3	1.56	10	<10	280	0.6	<2	3.90	0.8	10	29	35	2.87
CC74229		0.18	0.001	0.3	1.99	16	<10	500	0.8	<2	0.84	0.7	14	33	33	3.70
CC74230		0.28	0.004	0.4	1.65	16	<10	220	0.7	<2	3.79	<0.5	10	28	30	3.40
CC74231		0.20	0.001	0.2	1.99	15	<10	290	0.9	2	0.87	<0.5	13	32	31	3.72
CC74232		0.24	0.003	0.2	1.39	2	<10	390	0.5	<2	2.79	1.1	8	28	33	1.82
CC74233		0.32	0.002	<0.2	1.55	5	<10	260	0.5	<2	4.84	0.6	11	35	28	2.98
CC74234		0.28	0.001	0.2	1.46	12	<10	220	0.5	2	5.66	0.7	11	32	29	2.80
CC74235		0.20	0.002	0.2	1.76	9	<10	250	0.6	<2	4.40	0.5	12	42	28	3.26
CC74236		0.30	0.001	<0.2	2.08	12	<10	460	0.8	2	0.88	1.7	13	37	21	3.52
CC74237		0.20	<0.001	<0.2	3.86	<2	<10	330	1.0	<2	2.22	<0.5	27	91	44	5.61
CC74238		0.22	0.005	0.2	1.13	14	<10	1110	<0.5	<2	3.08	0.8	15	50	28	2.87
CC74239		0.38	0.014	0.5	0.76	90	<10	400	<0.5	<2	11.6	0.5	14	27	20	3.51
CC74240		0.42	0.002	<0.2	2.42	10	<10	340	0.7	<2	0.41	<0.5	11	37	12	3.21
CC74241		0.26	<0.001	0.2	1.59	13	<10	370	0.7	<2	1.15	<0.5	12	30	30	3.05
CC74242		0.24	0.002	0.3	1.54	10	<10	300	0.6	<2	1.15	<0.5	10	28	23	2.92
CC74243		0.18	<0.001	0.2	1.07	7	<10	230	0.5	<2	3.02	0.7	7	17	31	2.03
CC74244		0.22	0.002	<0.2	1.30	7	<10	240	0.5	<2	4.29	0.8	9	23	29	2.44
CC74245		0.42	0.003	0.2	1.21	12	<10	270	0.5	<2	5.71	0.7	9	20	32	2.52
CC74246		0.42	0.003	0.2	1.07	10	<10	400	<0.5	<2	6.44	0.6	7	22	21	1.92
CC74247		0.38	0.002	0.3	0.98	20	<10	3200	<0.5	<2	9.4	1.0	6	18	20	1.70
CC74248		0.28	0.002	<0.2	1.82	16	<10	370	0.7	<2	0.66	0.5	9	34	14	3.18
CC74249		0.40	0.001	<0.2	1.84	12	<10	370	0.8	<2	0.50	<0.5	10	32	21	3.52
CC74250		0.20	0.001	<0.2	1.97	6	<10	500	0.5	<2	0.28	<0.5	8	31	12	2.54
CC74251		0.40	0.003	0.3	1.46	13	<10	1350	0.6	<2	3.44	0.5	8	25	18	2.49
CC74252		0.32	<0.001	<0.2	2.48	10	<10	430	0.9	<2	0.54	0.5	11	41	18	3.40
CC74253		0.20	<0.001	0.4	1.65	20	<10	450	0.6	2	5.05	1.6	12	38	29	2.71
CC74254		0.22	<0.001	<0.2	2.09	5	<10	200	<0.5	<2	9.3	<0.5	14	61	29	3.34
CC74255		0.34	0.002	<0.2	2.43	11	<10	1360	0.6	<2	3.51	<0.5	19	115	37	3.85
CC74256		0.58	0.003	<0.2	1.64	13	<10	900	0.6	<2	6.05	<0.5	9	32	20	2.68
CC74257		0.54	0.004	<0.2	1.87	12	<10	380	0.7	<2	5.31	<0.5	11	30	29	2.93
CC74258		0.30	0.002	<0.2	1.47	11	<10	350	0.5	<2	3.87	<0.5	7	23	12	2.37
CC74259		0.40	0.001	<0.2	0.29	3	<10	230	<0.5	<2	17.0	<0.5	1	6	4	0.34
CC74260		0.30	0.001	0.2	1.55	8	<10	400	0.6	<2	2.77	0.8	10	31	36	2.67
CC74261		0.50	0.003	<0.2	1.27	10	<10	260	0.5	<2	5.01	1.0	9	20	27	2.64

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Project: RAU

Finalized Date: 16-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10071439

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC74222		<10	<1	0.13	10	2.61	692	1	0.02	27	610	24	<0.01	<2	4	35
CC74223		10	<1	0.10	20	0.73	852	1	0.01	34	150	28	<0.01	<2	7	11
CC74224		10	1	0.09	20	0.69	701	<1	0.02	23	650	20	0.02	<2	3	21
CC74225		10	<1	0.12	10	1.11	1115	1	0.01	28	550	25	0.02	<2	4	23
CC74226		<10	<1	0.15	10	1.10	861	1	0.01	26	670	26	0.04	<2	3	23
CC74227		<10	1	0.13	20	0.70	610	1	0.01	30	210	38	<0.01	<2	5	11
CC74228		10	1	0.16	20	2.67	411	1	0.02	27	710	67	<0.01	<2	4	32
CC74229		10	<1	0.15	20	1.02	1030	1	0.02	34	300	88	<0.01	3	5	15
CC74230		<10	<1	0.11	20	2.52	563	1	0.01	30	630	49	0.01	<2	4	31
CC74231		10	<1	0.16	20	1.09	1010	1	0.01	36	330	87	<0.01	3	6	13
CC74232		<10	<1	0.10	10	1.72	374	<1	0.01	27	840	40	0.04	<2	4	29
CC74233		<10	1	0.13	10	3.47	731	1	0.01	36	710	46	<0.01	<2	4	38
CC74234		<10	<1	0.14	10	3.85	740	1	0.01	34	710	52	<0.01	2	4	44
CC74235		<10	<1	0.17	10	3.42	798	1	0.02	41	770	37	0.01	<2	4	36
CC74236		10	<1	0.07	20	0.77	1540	1	0.01	28	410	102	<0.01	<2	4	17
CC74237		10	1	0.42	10	5.07	792	<1	0.01	67	1770	18	0.03	2	10	48
CC74238		<10	1	0.08	10	1.14	5560	1	0.02	42	930	21	0.24	<2	3	38
CC74239		<10	<1	0.08	10	6.72	1655	<1	0.02	69	1300	71	0.04	8	4	57
CC74240		10	1	0.06	10	0.68	654	<1	0.02	24	170	23	<0.01	<2	5	11
CC74241		<10	1	0.13	10	0.74	744	<1	0.01	31	860	28	0.04	<2	4	23
CC74242		<10	<1	0.10	10	0.73	798	1	0.01	25	560	21	0.03	<2	3	20
CC74243		<10	<1	0.10	10	1.06	590	1	0.01	20	680	19	0.08	<2	2	29
CC74244		<10	<1	0.13	10	2.90	541	<1	0.02	27	720	46	0.01	<2	3	32
CC74245		<10	1	0.11	10	3.43	729	1	0.01	26	650	42	0.01	2	3	47
CC74246		<10	<1	0.06	10	4.39	416	<1	0.02	20	590	43	0.03	<2	3	29
CC74247		<10	<1	0.08	10	5.81	614	<1	0.04	22	730	89	0.10	2	2	42
CC74248		10	<1	0.07	10	0.70	629	1	0.01	25	200	32	0.01	<2	4	9
CC74249		10	<1	0.09	10	0.75	713	1	0.01	29	190	46	0.01	<2	5	9
CC74250		10	<1	0.04	10	0.54	243	<1	0.01	19	110	21	<0.01	<2	3	10
CC74251		<10	<1	0.06	10	2.33	472	<1	0.02	22	650	88	0.03	2	4	22
CC74252		10	<1	0.07	20	0.81	680	<1	0.01	33	200	35	0.01	<2	6	11
CC74253		<10	<1	0.10	10	3.86	741	<1	0.02	45	1030	235	0.06	<2	4	42
CC74254		<10	1	0.54	10	2.38	968	<1	0.01	34	830	19	0.05	<2	6	127
CC74255		10	1	0.11	10	3.45	789	<1	0.03	77	610	33	0.05	<2	6	31
CC74256		10	1	0.08	10	2.89	582	<1	0.02	31	370	23	0.03	<2	4	47
CC74257		<10	1	0.09	20	3.09	706	1	0.02	33	390	30	0.02	<2	5	46
CC74258		<10	<1	0.08	10	2.38	525	<1	0.02	21	510	20	0.04	<2	3	25
CC74259		<10	<1	0.03	10	10.60	120	<1	0.02	8	230	4	<0.01	<2	1	59
CC74260		<10	<1	0.10	10	1.40	845	<1	0.01	33	890	30	0.07	<2	3	28
CC74261		<10	<1	0.14	20	3.51	809	1	0.01	29	690	52	0.01	<2	3	37

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10071439

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC74222		<20	0.03	<10	<10	52	<10	104
CC74223		<20	0.04	<10	<10	71	<10	91
CC74224		<20	0.02	<10	<10	55	<10	74
CC74225		<20	0.02	<10	<10	53	<10	106
CC74226		<20	0.02	<10	<10	49	<10	115
CC74227		<20	0.03	<10	<10	65	<10	115
CC74228		<20	0.04	<10	<10	54	<10	237
CC74229		<20	0.03	<10	<10	69	<10	218
CC74230		<20	0.03	<10	<10	51	<10	112
CC74231		<20	0.03	<10	<10	69	<10	187
CC74232		<20	0.04	<10	<10	48	<10	160
CC74233		<20	0.04	<10	<10	53	<10	155
CC74234		<20	0.05	<10	<10	53	<10	162
CC74235		<20	0.05	<10	<10	59	<10	129
CC74236		<20	0.04	<10	<10	69	<10	134
CC74237		<20	0.17	<10	<10	121	<10	102
CC74238		<20	0.03	<10	<10	41	<10	170
CC74239		<20	0.01	<10	<10	37	<10	251
CC74240		<20	0.04	<10	<10	76	<10	106
CC74241		<20	0.02	<10	<10	52	<10	125
CC74242		<20	0.03	<10	<10	49	<10	107
CC74243		<20	0.01	<10	<10	32	<10	150
CC74244		<20	0.03	<10	<10	46	<10	180
CC74245		<20	0.03	<10	<10	43	<10	178
CC74246		<20	0.03	<10	<10	44	<10	130
CC74247		<20	0.01	<10	<10	44	<10	148
CC74248		<20	0.03	<10	<10	59	<10	138
CC74249		<20	0.03	<10	<10	67	<10	129
CC74250		<20	0.04	<10	<10	64	<10	61
CC74251		<20	0.03	<10	<10	49	<10	104
CC74252		<20	0.04	<10	<10	77	<10	130
CC74253		<20	0.05	<10	<10	47	<10	1415
CC74254		<20	0.15	<10	<10	66	<10	101
CC74255		<20	0.06	<10	<10	74	<10	109
CC74256		<20	0.04	<10	<10	48	<10	101
CC74257		<20	0.03	<10	<10	59	<10	100
CC74258		<20	0.02	<10	<10	51	<10	89
CC74259		<20	0.01	<10	<10	17	<10	32
CC74260		<20	0.02	<10	<10	48	<10	114
CC74261		<20	0.03	<10	<10	46	<10	201

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
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Project: RAU

CERTIFICATE OF ANALYSIS VA10071439

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC74262		0.50	0.002	<0.2	1.23	9	<10	220	0.5	<2	3.98	0.9	9	22	22	2.66
CC74263		0.48	0.002	<0.2	1.44	13	<10	330	0.6	<2	3.68	1.0	10	24	33	2.93
CC74264		0.20	0.002	<0.2	1.80	14	<10	390	0.7	<2	0.82	0.6	11	30	24	3.36
CC74265		0.34	0.007	<0.2	1.90	13	<10	370	0.8	<2	0.44	<0.5	11	33	28	3.41
CC74266		0.26	0.003	<0.2	2.07	8	<10	350	0.8	<2	0.33	<0.5	11	34	17	3.22
CC74267		0.40	0.003	<0.2	1.87	18	<10	440	0.8	<2	3.02	0.5	13	31	46	3.51
CC74268		0.26	<0.001	<0.2	1.93	14	<10	330	0.7	<2	0.71	1.1	12	34	20	3.47
CC74269		0.20	0.003	0.3	1.65	12	<10	280	0.7	<2	3.04	<0.5	10	32	31	3.18
CC74270		0.10	0.002	0.2	2.26	14	<10	240	0.9	<2	1.55	<0.5	14	52	29	3.68
CC74272		0.18	0.001	<0.2	1.09	23	<10	680	<0.5	<2	5.18	<0.5	40	42	46	8.39
CC74273		0.16	0.001	<0.2	2.63	4	<10	1530	0.8	<2	1.04	1.2	11	33	12	3.12
CC74274		0.22	0.001	<0.2	2.10	13	<10	730	0.8	<2	1.55	<0.5	10	30	9	3.28
CC74275		0.24	0.002	0.2	1.71	14	<10	230	0.7	<2	1.67	<0.5	10	27	13	3.04
CC74276		0.32	0.001	<0.2	2.27	9	<10	310	0.7	<2	0.40	<0.5	11	35	13	2.88
CC74277		0.20	0.001	<0.2	2.03	11	<10	400	0.7	<2	0.83	<0.5	11	35	19	3.25
CC74278		0.38	0.002	0.4	1.57	18	<10	320	0.6	<2	1.55	1.1	12	27	29	3.33
CC74279		0.44	0.002	0.3	1.53	17	<10	410	0.6	<2	0.98	0.7	12	29	30	3.14
CC74280		0.28	0.003	0.3	1.46	18	<10	550	0.6	<2	3.81	1.0	10	27	38	2.65
CC74281		0.18	0.002	0.3	1.50	14	<10	420	0.6	<2	1.97	1.0	10	28	30	2.85
CC74282		0.30	<0.001	<0.2	2.15	13	<10	440	0.7	<2	0.60	1.2	13	33	16	3.31
CC74283		0.54	0.002	<0.2	2.04	23	<10	260	1.0	<2	0.83	0.8	12	40	23	3.59
CC74284		0.16	0.002	0.2	1.40	13	<10	330	0.5	2	4.04	0.6	10	29	28	2.70
CC74285		0.62	0.002	0.2	1.46	14	<10	370	0.6	<2	4.28	0.8	11	30	34	2.85
CC74286		0.20	0.002	0.2	2.10	16	<10	400	0.9	<2	1.67	1.1	12	35	32	3.45
CC74287		0.22	0.001	0.2	1.70	16	<10	180	0.5	<2	7.2	<0.5	12	49	30	3.00
CC74289		0.34	0.001	<0.2	2.70	12	<10	250	0.7	<2	5.80	0.5	21	96	45	4.32
CC74290		0.26	0.004	<0.2	2.48	16	<10	560	1.1	<2	0.49	<0.5	15	39	25	3.73
CC74291		0.12	0.002	0.2	1.70	13	<10	330	0.7	<2	1.20	0.5	11	29	23	3.00
CC74292		0.20	0.002	0.4	1.73	10	<10	460	0.7	<2	2.38	1.4	11	38	42	2.76
CC74293		0.46	0.002	0.2	1.49	18	<10	160	0.6	<2	4.27	<0.5	10	25	28	2.84
CC74294		0.26	0.002	0.4	2.19	17	<10	410	1.0	<2	1.09	<0.5	13	35	40	3.41
CC74295		0.24	0.003	0.3	1.62	16	<10	440	0.7	<2	3.18	0.8	11	28	33	3.03
CC74296		0.42	0.002	0.3	1.52	18	<10	370	0.6	<2	4.11	1.0	10	26	37	2.85
CC74297		0.22	0.001	0.4	1.60	14	<10	710	0.6	<2	2.95	0.7	10	37	37	2.55
CC74298		0.28	0.001	0.3	1.68	19	<10	480	0.7	<2	2.16	0.8	10	31	35	3.17
CC74299		0.42	0.003	0.2	1.26	13	<10	250	0.5	2	6.25	0.8	9	21	28	2.38
CC74300		0.24	0.003	0.3	1.94	19	<10	390	0.7	<2	0.81	<0.5	11	35	21	3.30
CC74301		0.28	<0.001	0.3	2.45	23	<10	510	1.0	<2	1.32	0.6	12	41	22	3.69
CC74302		0.42	0.002	0.2	1.48	15	<10	160	0.5	<2	5.34	0.9	10	27	29	2.79
CC74303		0.20	0.003	0.5	1.95	16	<10	370	0.7	<2	1.57	1.2	12	37	34	3.71

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Project: RAU

CERTIFICATE OF ANALYSIS VA10071439

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC74262		<10	<1	0.11	10	2.69	743	1	0.01	27	740	50	0.01	<2	3	27
CC74263		<10	<1	0.14	10	2.48	959	1	0.01	30	750	52	0.02	<2	3	27
CC74264		<10	1	0.13	10	0.83	647	1	0.02	30	310	68	0.02	2	4	16
CC74265		10	<1	0.09	20	0.70	761	1	0.01	29	220	47	0.01	<2	6	15
CC74266		10	<1	0.08	20	0.68	792	1	0.01	27	160	35	<0.01	<2	5	10
CC74267		10	1	0.19	20	1.86	810	1	0.02	40	710	36	0.01	<2	5	43
CC74268		10	<1	0.10	10	0.87	970	1	0.01	29	260	92	0.01	<2	4	12
CC74269		10	<1	0.13	20	2.18	680	1	0.01	35	670	33	0.02	2	5	27
CC74270		10	<1	0.13	20	1.79	814	1	0.01	46	470	33	0.02	<2	7	19
CC74272		<10	<1	0.11	10	1.61	708	2	0.02	172	860	16	0.39	<2	5	41
CC74273		10	<1	0.04	10	0.66	2690	<1	0.03	21	350	34	0.03	<2	4	13
CC74274		10	<1	0.05	10	0.99	1075	<1	0.02	22	340	39	0.03	<2	4	15
CC74275		<10	<1	0.08	20	1.08	631	1	0.01	22	560	45	0.04	<2	3	17
CC74276		10	<1	0.05	20	0.63	580	<1	0.01	22	130	28	<0.01	<2	5	12
CC74277		10	<1	0.09	20	0.74	832	1	0.01	28	380	26	0.02	<2	4	16
CC74278		<10	<1	0.12	20	1.26	779	1	0.02	31	460	116	0.04	2	4	19
CC74279		<10	<1	0.12	20	0.96	753	1	0.02	34	680	69	0.03	2	4	19
CC74280		<10	<1	0.13	20	2.40	470	<1	0.03	30	750	40	0.05	<2	4	32
CC74281		<10	<1	0.12	10	1.18	639	<1	0.02	28	630	36	0.05	<2	3	25
CC74282		10	<1	0.08	10	0.66	1420	<1	0.02	25	250	47	0.02	<2	4	14
CC74283		<10	<1	0.09	20	0.97	900	1	0.01	36	290	50	0.02	2	6	13
CC74284		<10	<1	0.12	20	2.76	535	<1	0.03	31	720	45	0.03	<2	4	34
CC74285		<10	<1	0.12	20	2.84	728	1	0.02	34	760	62	0.03	2	4	38
CC74286		<10	<1	0.15	20	1.48	883	1	0.02	36	320	74	0.02	3	5	22
CC74287		<10	1	0.12	10	4.00	661	1	0.02	48	760	29	0.03	<2	5	63
CC74289		10	1	0.25	10	5.52	774	<1	0.02	73	1230	19	0.05	<2	8	66
CC74290		10	<1	0.10	20	0.89	1190	1	0.02	37	190	41	0.02	<2	6	13
CC74291		<10	<1	0.11	20	0.73	681	<1	0.02	26	450	24	0.05	<2	4	22
CC74292		<10	1	0.14	20	1.53	357	<1	0.02	34	860	61	0.06	2	4	25
CC74293		<10	<1	0.11	20	3.11	657	1	0.02	34	600	23	0.02	<2	4	32
CC74294		10	<1	0.13	20	0.78	930	1	0.02	36	950	31	0.05	<2	4	25
CC74295		<10	<1	0.14	20	2.10	825	1	0.02	34	710	49	0.04	2	3	31
CC74296		<10	<1	0.13	20	2.71	771	1	0.02	36	680	52	0.04	<2	4	32
CC74297		<10	<1	0.11	10	1.82	333	<1	0.03	33	750	52	0.06	2	4	29
CC74298		<10	<1	0.11	20	1.68	744	1	0.02	32	560	45	0.03	2	4	22
CC74299		<10	<1	0.15	10	4.08	721	1	0.03	29	720	45	0.03	2	3	48
CC74300		<10	<1	0.10	20	0.95	607	1	0.03	31	350	35	0.02	<2	5	18
CC74301		10	<1	0.15	20	1.27	920	1	0.03	36	300	144	0.02	4	6	18
CC74302		<10	<1	0.14	20	3.21	718	1	0.02	35	600	71	0.03	2	4	47
CC74303		10	<1	0.16	20	1.23	1450	1	0.03	37	420	76	0.04	2	5	26

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Project: RAU

Finalized Date: 16-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10071439

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC74262		<20	0.03	<10	<10	46	<10	210
CC74263		<20	0.02	<10	<10	49	<10	227
CC74264		<20	0.03	<10	<10	63	<10	205
CC74265		<20	0.04	<10	<10	64	<10	191
CC74266		<20	0.03	<10	<10	66	<10	112
CC74267		<20	0.03	<10	<10	61	<10	166
CC74268		<20	0.03	<10	<10	65	<10	188
CC74269		<20	0.03	<10	<10	56	<10	112
CC74270		<20	0.05	<10	<10	73	<10	106
CC74272		<20	0.02	<10	<10	33	<10	92
CC74273		<20	0.06	<10	<10	74	<10	246
CC74274		<20	0.03	<10	<10	72	<10	120
CC74275		<20	0.03	<10	<10	57	<10	147
CC74276		<20	0.05	<10	<10	71	<10	107
CC74277		<20	0.03	<10	<10	68	<10	109
CC74278		<20	0.03	<10	<10	57	<10	274
CC74279		<20	0.03	<10	<10	54	<10	174
CC74280		<20	0.03	<10	<10	50	<10	169
CC74281		<20	0.03	<10	<10	51	<10	156
CC74282		<20	0.03	<10	<10	71	<10	167
CC74283		<20	0.03	<10	<10	74	<10	158
CC74284		<20	0.05	<10	<10	50	<10	159
CC74285		<20	0.04	<10	<10	51	<10	179
CC74286		<20	0.04	<10	<10	66	<10	223
CC74287		<20	0.05	<10	<10	55	<10	98
CC74289		<20	0.09	<10	<10	89	<10	172
CC74290		<20	0.03	<10	<10	77	<10	127
CC74291		<20	0.03	<10	<10	55	<10	86
CC74292		<20	0.03	<10	<10	58	<10	161
CC74293		<20	0.03	<10	<10	54	<10	110
CC74294		<20	0.02	<10	<10	65	<10	114
CC74295		<20	0.03	<10	<10	52	<10	177
CC74296		<20	0.03	<10	<10	50	<10	176
CC74297		<20	0.03	<10	<10	54	<10	144
CC74298		<20	0.03	<10	<10	58	<10	191
CC74299		<20	0.03	<10	<10	44	<10	184
CC74300		<20	0.05	<10	<10	69	<10	123
CC74301		<20	0.05	<10	<10	82	<10	248
CC74302		<20	0.04	<10	<10	51	<10	182
CC74303		<20	0.04	<10	<10	65	<10	166

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CERTIFICATE OF ANALYSIS VA10071439

Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Sample Description Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC74304	0.28	0.002	0.3	1.67	14	<10	430	0.6	<2	5.25	0.8	11	38	35	2.90
CC74305	0.26	0.002	0.2	1.76	15	<10	290	0.5	2	4.30	0.8	14	46	35	3.37
CC74306	0.22	0.020	<0.2	1.47	72	<10	830	<0.5	<2	3.49	1.1	36	76	53	6.59
CC74307	0.24	0.002	<0.2	2.08	13	<10	310	0.8	<2	1.46	0.5	12	35	24	3.24
CC74308	0.12	0.002	0.2	2.00	15	<10	330	0.7	<2	2.12	0.8	15	34	27	3.39
CC74309	0.20	0.004	0.3	1.28	15	<10	170	0.5	3	7.16	0.8	9	25	32	2.50
CC74310	0.28	0.007	0.2	1.73	17	<10	240	0.7	2	5.58	0.8	11	29	46	3.09
CC74311	0.14	0.001	0.2	2.66	12	<10	340	1.0	<2	1.40	0.6	12	42	28	3.44
CC74312	0.38	<0.001	0.2	2.23	14	<10	360	0.8	<2	0.55	0.9	11	34	20	3.57
CC74313	0.30	0.001	<0.2	2.24	15	<10	410	0.7	<2	0.61	1.3	13	33	17	3.49
CC74314	0.40	0.001	0.3	1.50	15	<10	280	0.6	<2	5.61	0.8	10	25	33	2.79
CC74315	0.42	0.002	<0.2	1.51	15	<10	310	0.6	2	5.76	0.7	10	28	37	2.79
CC74316	0.26	0.001	0.4	1.84	17	<10	420	0.7	<2	2.38	1.0	14	41	31	3.35
CC74317	0.16	0.007	0.6	2.34	16	<10	830	0.9	<2	1.90	1.4	15	53	39	3.46
CC74318	0.20	0.001	0.2	2.22	12	<10	640	0.6	<2	1.00	0.5	13	35	22	3.23
CC74319	0.18	<0.001	<0.2	2.15	14	<10	380	0.6	<2	1.00	1.2	10	34	15	3.13
CC74320	0.20	0.002	<0.2	2.09	15	<10	520	0.8	<2	0.97	0.5	12	34	30	3.38
CC74321	0.24	0.003	<0.2	2.43	12	<10	330	0.7	<2	0.55	0.6	11	43	16	3.47
CC74322	0.22	0.002	<0.2	2.79	12	<10	420	1.0	<2	0.39	0.5	15	51	28	3.89
CC74323	0.24	0.004	0.3	2.28	19	<10	390	0.9	<2	0.46	0.8	14	47	20	3.93
CC74324	0.20	0.001	<0.2	2.49	13	<10	310	1.0	<2	0.39	<0.5	14	42	21	3.48
CC74325	0.12	NSS	<0.2	2.32	11	<10	390	0.6	<2	0.54	1.3	10	34	16	3.13
CC74326	0.16	NSS	<0.2	1.91	14	<10	340	0.7	<2	1.65	0.9	11	30	27	3.01
CC74327	0.22	0.003	<0.2	0.78	8	<10	270	<0.5	<2	13.3	0.5	4	13	10	1.22
CC74328	0.22	0.005	<0.2	1.60	12	<10	360	0.5	2	4.01	0.6	12	41	27	2.76
CC74329	0.30	0.002	<0.2	2.01	27	<10	340	0.8	<2	0.66	0.6	12	35	28	3.46
CC74330	0.22	0.001	0.4	1.84	13	<10	450	0.8	<2	1.55	2.1	10	28	23	2.91
CC74331	0.52	0.002	0.2	1.99	16	<10	220	0.7	<2	3.50	0.5	12	33	33	3.36
CC74332	0.48	0.003	<0.2	2.29	14	<10	1390	0.6	<2	6.57	0.8	17	96	43	3.56
CC74333	0.42	0.002	0.2	1.85	13	<10	360	0.8	<2	0.81	<0.5	10	32	27	3.11
CC74334	0.46	0.004	<0.2	2.00	14	<10	280	0.5	<2	0.81	<0.5	7	31	12	2.68
CC74335	0.36	0.003	0.2	1.45	12	<10	390	0.6	<2	3.31	0.7	10	28	26	2.73
CC74336	0.32	0.002	0.2	2.10	16	<10	560	0.8	<2	2.66	0.6	14	38	44	3.60
CC74337	0.32	<0.001	0.5	1.82	13	<10	620	0.8	<2	1.93	<0.5	12	31	31	2.95
CC74338	0.18	0.001	0.2	2.59	12	<10	320	0.5	<2	0.51	<0.5	12	45	15	3.48
CC74339	0.18	0.001	0.4	2.61	14	<10	310	0.9	<2	1.09	0.5	15	55	30	3.84
CC74340	0.12	0.002	<0.2	2.38	12	<10	350	0.7	<2	0.48	1.4	12	50	20	3.37
CC74341	0.20	0.001	0.6	1.97	23	<10	300	0.7	<2	1.38	5.5	11	38	24	3.27
CC74342	0.52	0.008	0.5	1.66	24	<10	180	0.6	6	5.88	0.6	11	31	46	2.96
CC74343	0.42	0.004	0.3	1.82	18	<10	290	0.7	<2	1.76	0.7	13	33	40	3.44

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 16-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10071439

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC74304		<10	<1	0.15	20	3.38	632	1	0.03	38	690	81	0.02	2	5	51
CC74305		<10	<1	0.15	10	3.46	552	<1	0.02	44	930	45	0.04	2	5	38
CC74306		<10	<1	0.18	30	2.38	634	1	0.03	182	2640	21	0.03	4	5	33
CC74307		10	<1	0.12	20	1.25	753	<1	0.03	32	320	34	0.02	<2	5	21
CC74308		<10	<1	0.20	20	1.64	1095	1	0.03	32	560	38	0.03	<2	4	27
CC74309		<10	<1	0.16	20	4.09	798	1	0.03	34	650	44	0.03	2	3	64
CC74310		<10	<1	0.23	20	3.18	792	1	0.03	37	720	33	0.02	<2	5	58
CC74311		10	<1	0.10	20	1.11	865	<1	0.03	34	440	27	0.03	<2	5	24
CC74312		10	<1	0.10	20	0.73	798	1	0.02	28	200	46	0.02	2	5	16
CC74313		10	<1	0.09	20	0.68	1310	1	0.02	25	270	53	0.03	<2	4	16
CC74314		<10	<1	0.17	20	3.81	810	1	0.03	32	690	63	0.02	2	4	44
CC74315		<10	<1	0.18	20	3.58	756	1	0.03	34	690	44	<0.01	<2	4	53
CC74316		<10	<1	0.19	20	1.93	1030	1	0.02	38	630	73	0.02	<2	5	23
CC74317		10	<1	0.13	10	1.32	1530	<1	0.03	43	710	49	0.04	3	5	28
CC74318		10	<1	0.12	10	0.74	1150	1	0.03	23	470	32	0.01	<2	4	24
CC74319		10	<1	0.09	10	0.86	663	1	0.03	25	270	26	0.01	<2	4	18
CC74320		10	<1	0.15	20	0.78	705	1	0.03	31	510	34	0.01	<2	5	24
CC74321		10	<1	0.07	20	0.88	516	<1	0.02	30	260	31	<0.01	<2	6	16
CC74322		10	1	0.14	20	1.03	768	1	0.02	41	210	58	<0.01	<2	7	16
CC74323		10	<1	0.12	20	0.94	880	1	0.02	42	260	56	<0.01	<2	5	15
CC74324		10	<1	0.12	20	0.79	932	1	0.03	34	180	28	<0.01	<2	6	16
CC74325		10	<1	0.12	20	0.58	455	1	0.03	23	280	37	<0.01	<2	4	18
CC74326		<10	1	0.17	10	0.75	780	1	0.03	26	750	25	0.06	<2	3	29
CC74327		<10	<1	0.06	10	8.08	531	<1	0.03	16	420	11	0.03	2	1	64
CC74328		<10	<1	0.15	20	3.07	389	1	0.03	45	740	27	0.01	<2	4	34
CC74329		10	<1	0.12	20	0.82	709	<1	0.03	33	220	47	<0.01	2	6	18
CC74330		10	<1	0.09	10	0.71	1125	1	0.02	24	440	32	0.03	<2	4	26
CC74331		<10	<1	0.15	20	2.35	821	1	0.02	37	420	63	<0.01	<2	5	32
CC74332		<10	<1	0.11	10	5.15	931	<1	0.03	65	1040	54	0.05	2	7	62
CC74333		<10	<1	0.08	20	0.74	489	<1	0.02	28	450	31	0.01	<2	4	16
CC74334		10	<1	0.05	10	0.72	278	<1	0.02	20	240	24	<0.01	<2	3	14
CC74335		<10	<1	0.12	10	1.93	631	<1	0.02	28	910	48	0.04	<2	4	31
CC74336		10	<1	0.25	20	2.08	1105	1	0.04	44	830	41	0.01	<2	6	34
CC74337		<10	<1	0.09	10	0.76	1140	<1	0.03	29	960	31	0.05	<2	4	30
CC74338		10	<1	0.11	20	0.96	485	1	0.03	30	260	27	<0.01	<2	5	17
CC74339		10	<1	0.13	20	1.16	931	1	0.03	43	640	36	0.02	<2	5	21
CC74340		10	<1	0.11	20	1.03	468	<1	0.03	37	280	27	<0.01	<2	5	19
CC74341		<10	<1	0.10	20	1.12	606	1	0.02	36	880	201	0.01	<2	5	21
CC74342		<10	<1	0.16	20	3.97	780	1	0.02	38	640	59	<0.01	8	5	48
CC74343		<10	<1	0.20	20	1.55	832	1	0.02	40	800	75	<0.01	<2	5	27

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Project: RAU

Finalized Date: 16-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10071439

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC74304		<20	0.05	<10	<10	56	<10	163
CC74305		<20	0.06	<10	<10	60	<10	156
CC74306		<20	0.02	<10	<10	48	<10	706
CC74307		<20	0.04	<10	<10	66	<10	115
CC74308		<20	0.03	<10	<10	69	<10	140
CC74309		<20	0.04	<10	<10	47	<10	174
CC74310		<20	0.04	<10	<10	58	<10	166
CC74311		<20	0.04	<10	<10	84	<10	116
CC74312		<20	0.03	<10	<10	71	<10	179
CC74313		<20	0.04	<10	<10	76	<10	161
CC74314		<20	0.03	<10	<10	51	<10	200
CC74315		<20	0.04	<10	<10	51	<10	162
CC74316		<20	0.03	<10	<10	61	<10	234
CC74317		<20	0.03	<10	<10	69	<10	191
CC74318		<20	0.03	<10	<10	76	<10	111
CC74319		<20	0.04	<10	<10	70	<10	228
CC74320		<20	0.03	<10	<10	66	<10	113
CC74321		<20	0.05	<10	<10	78	<10	387
CC74322		<20	0.05	<10	<10	86	<10	125
CC74323		<20	0.05	<10	<10	73	<10	155
CC74324		<20	0.05	<10	<10	78	<10	112
CC74325		<20	0.04	<10	<10	84	<10	126
CC74326		<20	0.02	<10	<10	58	<10	155
CC74327		<20	0.02	<10	<10	29	<10	80
CC74328		<20	0.06	<10	<10	55	<10	170
CC74329		<20	0.05	<10	<10	67	<10	131
CC74330		<20	0.03	<10	<10	57	<10	137
CC74331		<20	0.04	<10	<10	65	<10	167
CC74332		<20	0.07	<10	<10	75	<10	172
CC74333		<20	0.03	<10	<10	61	<10	109
CC74334		<20	0.04	<10	<10	71	<10	124
CC74335		<20	0.03	<10	<10	50	<10	150
CC74336		<20	0.04	<10	<10	68	<10	167
CC74337		<20	0.02	<10	<10	55	<10	95
CC74338		<20	0.07	<10	<10	88	<10	98
CC74339		<20	0.05	<10	<10	85	<10	120
CC74340		<20	0.06	<10	<10	77	<10	100
CC74341		<20	0.03	<10	<10	67	<10	961
CC74342		<20	0.04	<10	<10	57	<10	176
CC74343		<20	0.04	<10	<10	62	<10	176

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10071439

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC74344		0.12	NSS	<0.2	1.73	11	<10	300	0.5	<2	1.55	0.7	10	32	19	3.00
CC74345		0.30	0.003	<0.2	1.59	11	<10	380	0.6	<2	4.90	0.9	11	34	38	2.81
CC74346		0.30	0.008	0.4	1.58	17	<10	520	0.6	2	5.39	1.0	10	32	29	2.57
CC74347		0.40	0.001	0.4	1.82	15	<10	650	0.8	<2	1.47	0.6	13	32	37	3.27
CC74348		0.26	<0.001	0.2	1.72	12	<10	350	0.6	<2	0.83	0.5	12	29	18	2.96
CC74349		0.32	0.004	0.2	2.35	17	<10	550	0.7	<2	1.33	0.5	11	36	28	3.29
CC74350		0.20	0.001	0.2	2.54	11	<10	430	0.9	<2	0.93	1.8	13	58	23	3.30
CC74351		0.18	0.003	0.4	2.10	13	<10	480	0.7	<2	0.59	<0.5	10	32	19	3.00
CC74352		0.26	0.002	0.2	2.34	12	<10	400	0.8	<2	0.88	<0.5	12	58	24	3.46
CC74353		0.20	0.002	<0.2	2.71	9	<10	220	0.8	2	1.27	<0.5	17	91	27	3.85
CC74354		0.26	0.001	0.3	2.09	13	<10	230	0.8	<2	0.80	<0.5	11	43	30	3.48
CC74355		0.12	0.001	<0.2	1.95	8	<10	190	0.5	<2	5.30	0.6	14	82	42	3.15
CC74356		0.24	0.002	<0.2	2.19	21	<10	300	0.6	<2	0.75	3.3	13	67	19	3.71
CC74357		0.12	0.004	0.3	2.60	19	<10	410	0.7	<2	2.20	3.3	20	73	41	4.08
CC74358		0.14	NSS	<0.2	2.47	11	<10	340	0.6	<2	1.78	<0.5	17	112	25	3.84
CC74359		0.12	NSS	<0.2	1.63	13	<10	430	0.6	<2	2.08	0.7	11	32	28	2.93
CC74360		0.16	0.003	0.2	1.81	14	<10	390	0.5	<2	3.86	0.6	12	59	30	3.18
CC74362		0.36	0.002	0.2	1.43	16	<10	250	0.6	2	5.79	0.8	9	26	34	2.64
CC74363		0.32	0.002	0.3	1.54	15	<10	350	0.6	<2	6.69	0.8	10	39	33	2.67
CC74364		0.20	0.002	<0.2	2.33	18	<10	370	0.8	<2	1.42	0.6	13	43	31	3.56
CC74365		0.14	0.003	<0.2	2.53	19	<10	590	1.0	<2	0.84	0.5	13	75	21	3.83
CC74366		0.16	0.003	0.3	1.88	18	<10	460	0.8	2	4.17	0.8	12	33	38	3.16
CC74367		0.50	0.002	0.2	1.38	19	<10	290	0.5	<2	8.4	1.0	9	30	29	2.69
CC74368		0.30	0.002	<0.2	1.73	16	<10	320	0.7	2	3.82	0.6	10	31	31	3.06
CC74369		0.14	0.002	0.2	1.90	16	<10	470	0.7	<2	1.04	0.7	12	66	32	3.31
CC74370		0.14	0.001	<0.2	2.03	10	<10	280	0.5	<2	0.48	0.8	11	38	17	2.99
CC74371		0.10	0.006	0.5	2.23	11	<10	340	0.8	<2	2.45	1.4	14	75	31	3.24
CC74372		0.08	0.004	0.3	2.34	10	<10	280	0.7	<2	2.02	0.9	16	71	32	3.58
CC74373		0.14	0.009	0.2	1.37	70	<10	330	0.5	2	6.35	5.6	7	54	13	2.72
CC74374		0.18	0.003	1.1	2.72	73	<10	430	0.7	2	3.91	1.4	20	100	50	4.31
CC74375		0.08	NSS	0.2	0.61	32	<10	600	<0.5	<2	4.02	3.0	7	46	28	1.31
CC74376		0.10	0.003	<0.2	1.74	15	<10	350	0.6	2	2.45	0.8	13	37	33	3.63
CC74377		0.30	0.002	<0.2	1.32	12	<10	270	<0.5	<2	7.4	0.8	10	42	29	2.55
CC74378		0.20	0.004	0.2	1.66	12	<10	440	0.5	<2	4.64	0.6	12	53	35	2.94
CC74379		0.26	0.002	0.4	1.43	14	<10	400	0.5	<2	5.01	1.1	10	41	29	2.53
CC74380		0.16	0.002	<0.2	1.19	16	<10	480	<0.5	2	6.05	1.2	8	24	21	2.31
CC74381		0.16	0.002	<0.2	1.50	17	<10	430	0.6	<2	5.91	1.2	10	37	29	2.66
CC74382		0.24	0.004	0.2	1.93	17	<10	380	0.8	<2	3.09	0.5	10	32	30	3.10
CC74383		0.28	0.002	<0.2	1.51	15	<10	500	0.6	<2	5.48	0.8	10	39	29	2.45
CC74384		0.12	0.004	0.4	1.36	14	<10	570	<0.5	<2	5.57	0.9	9	31	23	2.45

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Project: RAU

CERTIFICATE OF ANALYSIS VA10071439

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC74344		<10	<1	0.13	10	0.80	718	1	0.03	26	590	24	0.04	<2	3	25
CC74345		<10	<1	0.18	20	3.10	528	<1	0.03	39	700	25	<0.01	<2	5	45
CC74346		10	<1	0.13	10	3.10	841	<1	0.03	34	750	74	0.04	<2	3	46
CC74347		10	<1	0.12	10	0.76	886	<1	0.02	34	850	38	0.04	<2	4	26
CC74348		10	<1	0.12	10	0.67	807	1	0.03	25	410	28	0.02	<2	3	20
CC74349		10	<1	0.22	10	0.79	549	1	0.03	28	550	30	0.03	2	5	25
CC74350		10	<1	0.18	10	0.71	790	1	0.03	28	390	48	0.01	<2	5	19
CC74351		10	<1	0.08	10	0.55	444	1	0.02	25	340	24	0.01	<2	4	18
CC74352		10	<1	0.14	20	0.94	562	1	0.03	34	540	28	0.02	<2	5	23
CC74353		10	<1	0.17	20	2.57	408	<1	0.03	58	670	29	0.01	2	8	24
CC74354		10	<1	0.16	20	1.05	531	1	0.02	43	360	32	0.03	<2	5	17
CC74355		<10	<1	0.14	10	4.50	711	1	0.03	56	950	27	0.02	3	6	47
CC74356		10	<1	0.15	20	1.21	670	1	0.02	44	250	76	0.01	<2	5	17
CC74357		10	<1	0.22	20	2.98	687	<1	0.03	62	1400	50	0.05	2	7	37
CC74358		10	<1	0.14	10	2.31	856	1	0.02	59	850	39	0.08	2	6	28
CC74359		<10	<1	0.15	10	0.90	1345	<1	0.03	33	720	23	0.07	2	3	30
CC74360		<10	1	0.17	20	2.79	793	1	0.03	45	590	32	0.03	<2	4	33
CC74362		<10	1	0.15	20	3.44	708	1	0.02	33	620	54	0.01	<2	4	52
CC74363		<10	<1	0.18	20	4.52	750	1	0.03	36	740	69	0.01	3	4	52
CC74364		10	<1	0.15	20	1.40	801	1	0.03	39	270	66	0.01	2	6	21
CC74365		10	<1	0.19	20	1.08	695	1	0.04	40	200	81	0.01	2	7	22
CC74366		<10	1	0.24	20	2.99	628	1	0.03	36	740	52	0.03	2	5	35
CC74367		<10	<1	0.14	20	5.45	754	1	0.03	31	790	67	0.01	2	4	52
CC74368		<10	<1	0.16	20	2.63	751	1	0.03	36	500	49	0.01	2	5	33
CC74369		<10	<1	0.19	20	0.88	690	1	0.04	37	720	31	0.03	<2	5	25
CC74370		10	<1	0.11	10	0.78	568	1	0.03	28	260	21	0.01	<2	4	16
CC74371		<10	1	0.08	10	1.55	1920	<1	0.03	42	1100	48	0.06	<2	4	29
CC74372		10	<1	0.16	10	2.07	870	<1	0.03	51	790	39	0.05	<2	5	29
CC74373		<10	<1	0.09	10	3.94	819	2	0.04	26	770	69	0.07	9	3	49
CC74374		10	<1	0.18	20	4.33	938	1	0.03	70	1230	203	0.03	11	8	39
CC74375		<10	<1	0.06	10	0.92	2330	2	0.05	25	890	31	0.17	5	1	38
CC74376		<10	<1	0.19	20	1.74	1370	1	0.03	39	850	28	0.04	2	5	29
CC74377		<10	<1	0.15	10	4.87	720	1	0.02	41	640	48	0.01	2	4	48
CC74378		<10	<1	0.12	20	3.68	710	<1	0.03	45	800	49	0.02	2	5	36
CC74379		<10	<1	0.11	10	3.67	516	<1	0.02	34	650	65	0.02	3	4	36
CC74380		<10	<1	0.12	10	4.01	918	<1	0.03	26	730	73	0.04	2	3	40
CC74381		<10	<1	0.18	20	4.20	792	1	0.03	34	810	90	0.02	2	4	42
CC74382		<10	<1	0.13	20	2.09	715	1	0.03	32	430	52	0.02	2	5	30
CC74383		10	<1	0.15	20	3.76	491	<1	0.03	32	730	51	0.02	2	4	40
CC74384		<10	<1	0.15	10	3.87	715	<1	0.04	31	770	60	0.04	<2	4	46

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 16-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10071439

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC74344		<20	0.03	<10	<10	55	<10	109
CC74345		<20	0.06	<10	<10	56	<10	136
CC74346		<20	0.03	<10	<10	49	<10	151
CC74347		<20	0.02	<10	<10	58	<10	104
CC74348		<20	0.03	<10	<10	56	<10	105
CC74349		<20	0.02	<10	<10	74	<10	131
CC74350		<20	0.04	<10	<10	84	<10	189
CC74351		<20	0.03	<10	<10	68	<10	78
CC74352		<20	0.06	<10	<10	74	<10	99
CC74353		<20	0.09	<10	<10	93	<10	113
CC74354		<20	0.05	<10	<10	71	<10	109
CC74355		<20	0.07	<10	<10	69	<10	125
CC74356		<20	0.06	<10	<10	82	<10	866
CC74357		<20	0.08	<10	<10	83	<10	802
CC74358		<20	0.05	<10	<10	80	<10	272
CC74359		<20	0.03	<10	<10	50	<10	147
CC74360		<20	0.06	<10	<10	57	<10	115
CC74362		<20	0.03	<10	<10	49	<10	177
CC74363		<20	0.04	<10	<10	52	<10	179
CC74364		<20	0.05	<10	<10	77	<10	180
CC74365		<20	0.06	<10	<10	82	<10	142
CC74366		<20	0.02	<10	<10	60	<10	203
CC74367		<20	0.04	<10	<10	48	<10	218
CC74368		<20	0.04	<10	<10	58	<10	142
CC74369		<20	0.04	<10	<10	63	<10	125
CC74370		<20	0.05	<10	<10	74	<10	104
CC74371		<20	0.04	<10	10	100	<10	162
CC74372		<20	0.05	<10	<10	78	<10	133
CC74373		<20	0.03	<10	<10	60	<10	583
CC74374		<20	0.08	<10	<10	91	<10	360
CC74375		<20	0.01	<10	<10	21	<10	193
CC74376		<20	0.05	<10	<10	57	<10	153
CC74377		<20	0.06	<10	<10	46	<10	155
CC74378		<20	0.06	<10	<10	57	<10	162
CC74379		<20	0.04	<10	<10	50	<10	209
CC74380		<20	0.03	<10	<10	43	<10	214
CC74381		<20	0.03	<10	<10	52	<10	220
CC74382		<20	0.03	<10	<10	63	<10	150
CC74383		<20	0.05	<10	<10	53	<10	182
CC74384		<20	0.05	<10	<10	50	<10	190

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10071439

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC74385		0.22	0.003	0.4	2.03	14	<10	370	0.7	<2	1.42	0.8	14	62	32	3.50
CC74386		0.36	0.002	<0.2	1.67	10	<10	170	0.5	<2	6.44	0.9	12	53	33	2.91
CC74387		0.30	0.002	<0.2	2.24	8	<10	200	0.6	<2	4.13	<0.5	16	91	42	3.54
CC74388		0.28	0.002	<0.2	1.99	13	<10	330	0.6	<2	4.13	0.5	16	80	39	3.40
CC74389		0.14	0.003	0.3	1.59	10	<10	320	0.6	<2	3.09	0.9	11	53	33	2.89
CC74390		0.16	0.003	0.9	2.07	21	<10	360	0.6	<2	4.54	1.3	16	63	36	3.60
CC74391		0.30	0.002	0.2	1.41	13	<10	190	0.5	<2	5.45	0.5	12	49	35	2.91
CC74392		0.14	0.003	0.3	1.95	16	10	400	0.7	<2	3.75	0.9	15	50	42	3.38
CC74393		0.16	0.001	0.3	2.61	15	<10	390	0.7	2	2.64	0.6	19	103	39	4.25
CC74394		0.14	<0.001	0.4	2.42	11	<10	390	0.7	<2	3.34	0.6	18	89	42	3.83
CC74395		0.36	0.003	0.2	1.35	15	<10	290	0.5	<2	6.30	0.6	11	37	32	2.64
CC74396		0.34	0.001	0.3	1.12	12	<10	250	<0.5	<2	7.2	0.8	8	25	26	2.27
CC74397		0.26	0.004	0.3	1.95	16	10	460	0.8	<2	0.98	0.5	15	42	41	3.74
CC74398		0.32	0.003	0.2	1.32	20	<10	330	0.5	2	6.23	0.8	8	24	23	2.42
CC74399		0.10	0.002	0.4	1.10	12	<10	540	<0.5	<2	5.74	0.8	9	44	25	2.20
CC74400		0.12	<0.001	<0.2	1.63	11	<10	320	0.6	<2	1.22	0.6	10	30	22	2.76
CC74401		0.28	0.002	0.4	1.43	10	<10	220	0.5	<2	7.7	0.6	11	42	31	2.58
CC74402		0.32	0.005	0.3	1.70	15	<10	290	0.6	<2	5.69	0.7	13	43	40	3.04
CC74403		0.18	0.004	0.7	2.12	10	<10	280	0.6	<2	3.78	0.5	16	85	39	3.56
CC74404		0.12	0.004	0.2	1.79	12	<10	270	0.5	4	7.4	0.6	13	70	34	2.97
CC74405		0.28	0.004	0.5	2.19	14	<10	400	0.6	<2	6.23	0.7	16	93	40	3.55
CC74406		0.30	0.002	0.3	1.84	16	<10	260	0.5	<2	5.99	0.8	14	65	37	3.18
CC74407		0.30	0.003	0.4	1.58	16	<10	310	0.5	<2	5.29	0.6	13	57	33	3.02
CC74408		0.14	0.002	1.4	3.14	27	<10	1430	0.8	<2	7.5	1.0	23	126	55	4.65
CC74409		0.32	0.003	0.6	2.79	18	<10	630	0.7	<2	6.06	1.0	20	89	47	4.29
CC74410		0.34	0.002	0.3	2.14	14	<10	290	0.6	<2	8.1	0.6	16	60	39	3.48
CC74411		0.34	0.004	0.3	1.34	13	<10	340	<0.5	<2	7.5	1.0	11	41	33	2.59
CC74412		0.24	0.003	<0.2	1.78	12	<10	420	0.7	<2	5.61	0.6	13	38	37	3.09
CC74413		0.12	0.002	0.4	1.48	12	<10	460	0.6	<2	3.98	1.4	10	48	28	2.74
CC74414		0.32	0.003	0.3	1.32	11	<10	280	0.5	2	5.69	0.8	9	27	28	2.49
CC74415		0.30	0.002	0.4	1.70	11	<10	540	0.7	<2	3.30	0.6	12	41	30	3.03
CC74416		0.16	0.001	0.2	1.60	14	<10	410	0.6	<2	3.81	0.7	13	48	35	2.98
CC74417		0.14	0.006	<0.2	1.86	11	<10	340	0.6	<2	1.03	0.7	13	54	17	2.93
CC74418		0.26	0.002	0.3	2.00	9	<10	290	0.6	<2	5.27	0.6	15	64	37	3.42
CC74419		0.20	0.003	0.3	2.37	12	<10	190	0.6	<2	5.98	0.7	17	102	43	3.76
CC74420		0.12	0.003	0.4	2.12	16	<10	440	0.8	<2	1.12	0.6	16	50	39	3.73
CC74421		0.22	0.002	0.4	2.28	12	<10	880	0.5	<2	9.0	0.8	17	108	39	3.50
CC74422		0.08	<0.001	0.3	1.32	14	<10	460	<0.5	<2	3.54	4.6	10	41	33	2.26
CC74423		0.16	0.002	0.7	1.56	17	<10	330	0.5	<2	4.92	1.6	12	69	28	2.82
CC74424		0.52	0.002	0.6	1.57	13	<10	330	0.5	<2	6.44	0.8	12	46	36	2.94

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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC74385		10	<1	0.14	20	1.40	765	1	0.03	43	580	47	0.04	<2	5	26
CC74386		<10	<1	0.15	20	4.68	741	1	0.02	45	830	58	0.02	2	5	55
CC74387		10	<1	0.14	10	4.20	641	<1	0.02	60	970	35	0.01	<2	7	41
CC74388		10	<1	0.12	10	4.00	696	<1	0.02	54	910	61	0.01	<2	6	35
CC74389		<10	1	0.16	10	1.94	757	<1	0.03	33	640	41	0.04	<2	4	33
CC74390		<10	<1	0.15	10	4.19	758	<1	0.02	51	1060	245	0.02	<2	6	39
CC74391		<10	1	0.14	10	3.95	787	1	0.02	38	790	29	0.01	<2	4	42
CC74392		<10	<1	0.27	10	3.09	610	1	0.03	45	840	53	0.04	<2	6	38
CC74393		10	<1	0.18	10	3.57	778	<1	0.02	64	950	75	0.05	<2	7	33
CC74394		10	<1	0.18	10	3.67	698	<1	0.02	62	930	68	0.05	<2	7	35
CC74395		<10	1	0.13	10	4.01	615	<1	0.02	33	700	46	0.01	<2	4	47
CC74396		<10	<1	0.12	10	4.35	729	<1	0.02	25	710	57	0.01	<2	3	52
CC74397		<10	1	0.22	10	1.10	919	<1	0.02	40	440	49	0.02	<2	5	20
CC74398		<10	<1	0.10	10	4.11	648	<1	0.02	25	610	82	0.02	<2	3	39
CC74399		<10	1	0.14	10	3.13	1310	1	0.03	24	790	39	0.06	<2	2	46
CC74400		<10	<1	0.15	10	0.75	627	<1	0.02	27	550	31	0.05	<2	4	25
CC74401		<10	1	0.14	10	4.50	692	<1	0.02	34	850	54	<0.01	<2	4	71
CC74402		10	1	0.20	10	3.43	756	<1	0.02	40	730	47	0.01	<2	5	59
CC74403		<10	1	0.16	10	3.66	623	<1	0.02	52	850	138	0.01	<2	7	38
CC74404		10	1	0.15	10	4.03	706	<1	0.02	50	860	34	0.02	<2	5	64
CC74405		10	1	0.16	10	4.90	724	<1	0.02	60	980	79	0.01	<2	7	60
CC74406		<10	<1	0.16	10	4.65	720	<1	0.02	48	890	76	0.01	<2	6	50
CC74407		<10	1	0.13	10	3.97	820	1	0.02	42	830	49	0.02	<2	5	40
CC74408		10	1	0.34	10	6.63	837	<1	0.02	84	1340	224	0.03	5	9	82
CC74409		10	<1	0.30	10	5.57	718	<1	0.02	64	1250	95	0.02	<2	8	62
CC74410		10	<1	0.17	10	5.44	723	<1	0.02	51	980	39	0.01	<2	6	83
CC74411		<10	1	0.17	10	4.93	663	<1	0.02	40	600	58	0.01	<2	4	54
CC74412		<10	1	0.21	10	3.93	841	<1	0.03	40	750	54	0.01	<2	5	44
CC74413		<10	1	0.13	10	2.23	892	<1	0.03	34	810	61	0.06	<2	2	31
CC74414		<10	1	0.13	10	3.74	664	<1	0.02	31	790	59	0.02	<2	4	39
CC74415		<10	1	0.16	10	2.41	808	<1	0.02	35	700	57	0.01	<2	4	31
CC74416		<10	<1	0.19	10	2.48	705	<1	0.03	46	790	40	0.03	<2	4	35
CC74417		<10	<1	0.10	10	0.70	811	<1	0.02	23	470	43	0.03	<2	4	23
CC74418		10	<1	0.18	10	4.04	667	<1	0.02	46	960	53	0.01	<2	6	51
CC74419		10	<1	0.17	10	5.38	818	<1	0.02	65	1070	84	0.01	<2	7	57
CC74420		10	1	0.21	10	1.23	851	<1	0.03	41	510	49	0.03	<2	5	22
CC74421		10	1	0.24	10	6.00	789	<1	0.02	69	960	86	0.03	<2	7	86
CC74422		<10	<1	0.14	10	1.37	706	1	0.04	33	790	58	0.12	<2	3	44
CC74423		<10	1	0.15	10	3.49	874	1	0.03	39	870	139	0.05	<2	4	44
CC74424		<10	1	0.17	10	4.69	891	<1	0.02	44	790	88	0.03	<2	5	49

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 16-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10071439

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC74385		<20	0.05	<10	<10	70	<10	153
CC74386		<20	0.06	<10	<10	62	<10	141
CC74387		<20	0.08	<10	<10	79	<10	132
CC74388		<20	0.06	<10	<10	71	<10	143
CC74389		<20	0.03	<10	<10	52	<10	173
CC74390		<20	0.07	<10	<10	71	<10	292
CC74391		<20	0.06	<10	<10	51	<10	134
CC74392		<20	0.06	<10	<10	65	<10	195
CC74393		<20	0.08	<10	<10	86	<10	189
CC74394		<20	0.07	<10	<10	79	<10	171
CC74395		<20	0.04	<10	<10	46	<10	160
CC74396		<20	0.03	<10	<10	40	<10	186
CC74397		<20	0.02	<10	<10	62	<10	169
CC74398		<20	0.03	<10	<10	47	<10	171
CC74399		<20	0.02	<10	<10	37	<10	143
CC74400		<20	0.03	<10	<10	51	<10	109
CC74401		<20	0.06	<10	<10	51	<10	139
CC74402		<20	0.05	<10	<10	57	<10	140
CC74403		<20	0.07	<10	<10	73	<10	139
CC74404		<20	0.06	<10	<10	62	<10	118
CC74405		<20	0.08	<10	<10	75	<10	181
CC74406		<20	0.07	<10	<10	65	<10	209
CC74407		<20	0.05	<10	<10	56	<10	171
CC74408		<20	0.12	<10	<10	100	<10	236
CC74409		<20	0.11	<10	<10	90	<10	249
CC74410		<20	0.09	<10	<10	70	<10	136
CC74411		<20	0.06	<10	<10	45	<10	158
CC74412		<20	0.04	<10	<10	57	<10	169
CC74413		<20	0.02	<10	<10	48	<10	190
CC74414		<20	0.03	<10	<10	45	<10	197
CC74415		<20	0.04	<10	<10	55	<10	159
CC74416		<20	0.05	<10	<10	49	<10	155
CC74417		<20	0.04	<10	<10	63	<10	91
CC74418		<20	0.10	<10	<10	70	<10	138
CC74419		<20	0.10	<10	<10	83	<10	214
CC74420		<20	0.04	<10	<10	69	<10	142
CC74421		<20	0.10	<10	<10	74	<10	175
CC74422		<20	0.03	<10	<10	42	<10	1075
CC74423		<20	0.05	<10	<10	55	<10	316
CC74424		<20	0.06	<10	<10	54	<10	182

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 16-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10071439

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC74425		0.16	0.003	0.2	1.64	13	<10	430	0.5	<2	3.73	0.8	12	65	30	2.99
CC74426		0.24	0.002	0.2	1.41	13	<10	370	0.5	<2	5.55	0.8	11	40	32	2.67
CC74427		0.10	NSS	<0.2	0.30	5	10	770	<0.5	<2	4.65	1.3	4	15	18	0.61
CC74428		0.12	<0.001	0.3	1.20	11	<10	650	0.5	<2	3.14	1.5	8	25	27	2.09
CC74429		0.28	0.002	0.4	1.20	11	<10	260	0.5	2	6.65	0.8	9	31	29	2.39
CC74430		0.18	0.002	0.4	1.04	17	<10	330	<0.5	<2	6.07	1.2	8	26	20	2.18
CC74431		0.20	0.002	0.3	1.47	10	<10	360	0.6	<2	4.86	0.6	10	43	28	2.56
CC74432		0.22	0.002	0.3	1.57	13	<10	630	0.6	<2	3.90	0.7	11	34	30	2.91
CC74433		0.18	0.001	0.2	1.88	17	<10	470	0.7	2	1.38	0.8	13	53	26	3.44
CC74434		0.12	NSS	0.4	1.64	14	<10	590	0.6	<2	2.02	0.9	16	29	27	3.83
CC74435		0.20	0.002	0.4	1.82	8	<10	310	0.6	<2	3.38	0.8	12	68	35	2.72
CC74436		0.20	0.003	0.4	2.07	14	<10	330	0.7	<2	1.83	0.8	16	60	36	3.73
CC74437		0.32	0.003	0.4	1.95	12	<10	320	0.6	<2	5.23	0.5	14	75	38	3.35
CC74438		0.20	0.002	0.3	1.59	10	<10	270	0.5	<2	6.21	0.6	11	45	35	2.79
CC74439		0.06	0.008	<0.2	1.25	6	<10	360	<0.5	<2	2.07	1.1	9	74	19	2.64
CC74440		0.06	NSS	2.4	1.15	28	<10	460	<0.5	<2	3.08	7.7	9	39	30	2.18
CC74441		0.10	0.005	0.2	1.42	11	<10	430	0.5	<2	2.83	0.8	11	62	25	2.74
CC74442		0.16	0.002	0.6	1.86	14	<10	320	0.6	<2	4.57	0.9	13	59	33	3.04
CC74443		0.16	0.004	0.2	1.50	13	<10	520	0.6	<2	1.73	1.2	11	44	24	2.83
CC74444		0.44	0.003	0.4	1.42	16	<10	380	0.5	<2	6.32	0.9	12	39	30	2.80
CC74445		0.10	0.006	0.3	0.63	11	10	1020	<0.5	<2	5.52	2.5	7	25	29	1.61

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 16-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10071439

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC74425		10	1	0.18	10	2.85	558	<1	0.03	37	700	55	0.04	<2	4	35
CC74426		<10	<1	0.16	10	3.78	788	<1	0.02	39	690	42	0.05	<2	4	41
CC74427		<10	1	0.04	<10	0.54	2210	<1	0.02	9	710	11	0.17	<2	<1	50
CC74428		<10	1	0.11	10	0.82	701	<1	0.02	24	810	46	0.14	<2	2	38
CC74429		<10	<1	0.15	10	4.13	678	<1	0.02	29	670	49	0.03	<2	3	48
CC74430		<10	<1	0.09	10	3.68	914	<1	0.02	25	790	45	0.06	<2	2	37
CC74431		10	1	0.13	10	3.40	541	<1	0.02	33	670	50	0.03	3	4	32
CC74432		<10	1	0.11	10	2.80	618	<1	0.02	33	710	56	0.04	<2	4	32
CC74433		<10	1	0.20	10	1.10	841	1	0.02	33	490	51	0.06	<2	4	22
CC74434		<10	<1	0.14	10	0.76	1395	<1	0.03	28	740	31	0.10	<2	3	31
CC74435		<10	<1	0.17	10	2.82	338	<1	0.03	42	790	94	0.05	<2	5	33
CC74436		10	<1	0.16	10	2.09	427	<1	0.03	44	830	87	0.04	<2	6	27
CC74437		10	<1	0.14	10	4.22	683	<1	0.02	49	910	55	0.03	<2	6	51
CC74438		<10	<1	0.17	10	3.62	548	<1	0.03	38	800	39	0.02	<2	5	59
CC74439		<10	1	0.13	10	0.90	487	<1	0.03	25	570	45	0.09	<2	3	33
CC74440		<10	1	0.13	<10	1.27	488	<1	0.03	32	770	266	0.13	<2	2	38
CC74441		<10	1	0.12	10	1.44	628	<1	0.02	36	820	46	0.12	<2	3	37
CC74442		<10	1	0.14	10	3.84	349	<1	0.02	43	940	150	0.05	2	5	36
CC74443		<10	1	0.13	10	0.84	757	<1	0.02	28	760	48	0.11	<2	2	25
CC74444		<10	<1	0.12	10	4.29	676	<1	0.02	37	680	79	0.04	<2	4	47
CC74445		<10	<1	0.07	<10	1.65	1935	<1	0.03	23	820	37	0.18	<2	1	50

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VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 16-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10071439

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC74425		<20	0.05	<10	<10	55	<10	143
CC74426		<20	0.04	<10	<10	46	<10	150
CC74427		<20	0.01	<10	<10	10	<10	85
CC74428		<20	0.02	<10	<10	33	<10	199
CC74429		<20	0.03	<10	<10	41	<10	173
CC74430		<20	0.02	<10	<10	36	<10	176
CC74431		<20	0.03	<10	<10	47	<10	172
CC74432		<20	0.04	<10	<10	50	<10	170
CC74433		<20	0.02	<10	<10	59	<10	209
CC74434		<20	0.02	<10	<10	49	<10	119
CC74435		<20	0.05	<10	<10	61	<10	166
CC74436		<20	0.06	<10	<10	70	<10	153
CC74437		<20	0.07	<10	<10	67	<10	164
CC74438		<20	0.06	<10	<10	55	<10	141
CC74439		<20	0.03	<10	<10	43	<10	178
CC74440		<20	0.02	<10	<10	35	<10	2500
CC74441		<20	0.03	<10	<10	45	<10	186
CC74442		<20	0.05	<10	<10	62	<10	220
CC74443		<20	0.02	<10	<10	45	<10	176
CC74444		<20	0.04	<10	<10	47	<10	196
CC74445		<20	0.01	<10	<10	19	<10	127

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Project: RAU

Finalized Date: 16-JUN-2010
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CERTIFICATE OF ANALYSIS VA10071439

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non-sufficient sample.

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 23-JUN-2010
Account: RCM

CERTIFICATE VA10073648

Project: RAU

P.O. No.: Batch 1

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 10-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

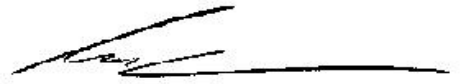
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 
Colin Ramshaw, Vancouver Laboratory Manager

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Project: RAU

Finalized Date: 23-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10073648

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA26 Au ppm 0.01	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
I074501		5.64	0.02	1.37	0.40	24	330	1.45	2.21	22.4	2.51	10.50	1.5	2	1.65	8.4
I074502		3.70	0.01	0.89	0.28	6	140	1.40	4.29	22.4	1.56	5.36	1.1	3	3.20	15.2
I074503		5.18	<0.01	0.28	0.25	<5	80	0.82	0.42	22.3	0.87	2.50	0.8	2	1.18	2.3
I074504		2.18	<0.01	0.07	0.49	<5	120	10.40	1.41	21.0	0.41	6.77	0.8	3	5.61	1.4
I074505		4.72	<0.01	0.09	6.55	0.9	70	10.80	1.90	1.42	0.06	5.78	0.3	12	6.39	1.5
I074506		4.84	<0.01	<0.01	6.29	1.5	110	9.09	0.48	1.05	0.18	5.14	0.4	13	5.24	3.4
I074507		0.12	2.31	8.80	5.56	>10000	1000	2.67	336	12.50	1.57	234	76.0	61	8.50	4490
I074508		4.30	<0.01	<0.01	6.40	0.7	80	8.32	1.73	1.21	0.05	5.18	0.4	8	5.41	2.7
I074509		4.54	<0.01	4.42	6.18	3.7	130	6.73	350	1.97	0.94	8.00	0.6	8	4.13	15.6
I074510		3.12	<0.01	0.63	5.47	0.4	240	6.47	1.85	2.88	2.89	6.52	0.5	4	8.83	3.9
I074511		5.00	<0.01	0.05	0.54	<5	50	14.25	0.50	21.7	0.38	1.92	0.7	3	1.38	1.1
I074512		5.60	<0.01	0.04	0.08	<5	40	1.64	0.21	22.9	0.14	1.00	0.8	4	0.77	1.1
I074513		5.40	<0.01	0.03	0.08	<5	40	0.66	0.18	22.5	0.18	0.74	0.8	2	0.44	1.5
I074514		5.52	<0.01	0.16	0.20	<5	20	1.94	0.44	19.85	0.16	1.86	1.2	3	1.36	3.0
I074515		3.28	0.01	4.13	3.53	0.3	200	21.7	1.75	3.01	0.28	30.8	64.7	2	41.8	679
I074516		4.40	<0.01	0.03	0.08	<5	20	0.12	<0.01	20.3	0.05	1.35	1.4	2	0.23	3.4
I074517		6.00	<0.01	0.51	0.26	5	50	17.70	1.12	20.4	0.40	2.21	3.9	2	3.92	49.1
I074518		2.90	<0.01	0.12	0.23	<5	160	6.66	0.82	21.2	0.32	2.10	1.4	2	5.31	2.5
I074519		1.70	<0.01	0.05	0.11	<5	20	5.12	1.79	20.1	0.07	1.52	1.9	2	1.29	13.5
I074520		3.14	<0.01	0.06	0.21	<5	130	0.60	1.23	20.3	0.07	2.60	1.6	4	4.90	3.7
I074521		3.84	<0.01	0.99	1.03	<0.2	90	32.6	2.28	7.80	0.15	2.39	23.9	1	17.05	436
I074522		0.12	0.32	2.68	5.74	>10000	1850	1.53	339	10.75	0.84	139.0	45.6	58	11.20	802
I074523		4.52	<0.01	0.37	0.25	18	40	19.10	0.72	14.75	<0.02	2.16	10.6	1	2.89	118.0
I074524		5.82	<0.01	0.02	0.11	<5	80	0.23	0.58	21.0	<0.02	1.66	1.2	2	0.86	3.7
I074525		5.86	<0.01	0.05	0.13	5	80	1.13	0.17	22.1	0.06	1.85	1.4	3	0.92	4.4
I074526		5.62	<0.01	0.70	0.08	23	30	0.46	0.19	21.3	7.03	1.64	2.4	2	0.35	11.1
I074527		5.24	<0.01	0.11	0.16	<5	80	0.42	0.08	21.4	0.51	2.60	1.5	3	0.99	3.6
I074528		3.00	<0.01	0.14	0.16	8	70	0.31	0.10	21.3	0.34	2.37	1.7	2	0.67	7.5
I074529		2.32	0.06	2.97	7.70	2.2	160	22.2	22.7	5.94	1.12	34.6	5.1	3	11.20	50.3
I074530		4.30	NSS	0.02	0.08	<5	10	0.08	0.01	19.90	0.04	1.25	1.6	1	0.11	2.0
I074531		5.88	<0.01	0.08	0.19	<5	130	0.89	0.42	21.1	0.12	2.27	1.5	3	1.66	2.5
I074532		3.80	<0.01	0.18	0.13	<5	130	0.77	0.47	20.9	0.26	1.55	1.5	2	1.16	2.0
I074533		4.36	<0.01	2.88	5.92	<0.2	30	7.26	0.23	1.44	0.04	6.81	0.4	10	4.06	1.7
I074534		1.92	<0.01	2.69	6.01	0.2	30	7.15	0.39	1.41	0.02	5.87	0.4	10	4.12	2.1
I074535		4.64	<0.01	2.53	5.92	0.6	30	8.31	0.22	0.73	0.02	6.13	0.3	10	3.27	1.8
I074536		3.76	<0.01	0.08	0.28	<5	150	1.04	0.17	22.1	0.09	3.25	1.7	6	5.59	3.5

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 23-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10073648

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I074501		1.64	1.96	<0.05	0.1	0.130	0.15	6.3	9.4	10.25	4370	11.95	0.01	1.1	5.4	60
I074502		0.97	1.43	<0.05	0.2	0.192	0.15	2.8	10.6	10.80	2330	3.46	0.02	1.5	2.5	210
I074503		1.08	1.09	<0.05	0.1	0.047	0.09	1.3	7.9	10.70	3210	3.86	0.01	0.7	0.4	50
I074504		0.77	2.38	<0.05	0.1	0.090	0.31	3.4	18.7	11.05	2080	2.06	0.01	3.0	<0.2	120
I074505		1.11	27.3	0.06	2.5	0.062	3.78	2.0	13.6	0.35	539	0.98	2.46	110.0	0.9	10
I074506		1.01	27.4	<0.05	3.2	0.046	4.03	1.8	14.3	0.10	332	0.33	2.10	107.0	1.7	10
I074507		9.21	18.05	0.44	2.0	2.00	1.81	145.5	41.3	1.41	1740	12.55	1.27	10.6	40.6	880
I074508		1.16	26.8	<0.05	1.7	0.071	3.93	1.7	12.9	0.06	423	0.25	2.30	91.0	0.8	10
I074509		1.08	32.6	0.10	1.8	0.142	3.59	3.2	32.0	0.43	477	0.26	0.81	79.6	1.1	10
I074510		0.83	26.9	0.12	3.8	0.110	3.29	2.2	13.3	0.24	663	3.20	0.05	109.5	0.6	<10
I074511		0.31	2.65	0.10	0.3	0.102	0.09	1.4	7.0	11.70	587	3.15	0.19	8.8	<0.2	180
I074512		0.10	0.52	0.23	<0.1	0.023	0.04	0.8	6.2	11.90	220	1.75	0.01	1.0	1.3	60
I074513		0.10	0.49	0.22	<0.1	0.013	0.03	0.6	7.5	12.35	307	1.03	0.01	0.4	0.5	40
I074514		2.11	1.53	0.10	0.1	0.284	0.10	0.9	8.7	10.70	4870	1.88	0.01	0.6	0.7	20
I074515		14.90	60.2	0.39	0.3	0.114	3.68	17.3	386	7.51	1300	2.49	0.04	96.2	2.8	170
I074516		0.44	0.34	<0.05	<0.1	0.007	0.04	0.6	1.8	12.05	209	0.08	0.01	0.4	0.4	210
I074517		1.03	3.39	0.07	<0.1	0.074	0.18	1.1	19.0	11.05	909	1.60	0.01	1.6	0.8	30
I074518		0.12	0.79	0.25	0.1	0.017	0.11	1.0	9.4	11.15	239	1.26	0.01	0.6	1.1	10
I074519		2.26	5.89	0.09	<0.1	0.033	0.08	0.9	10.5	10.20	887	1.74	0.02	0.6	1.2	30
I074520		0.51	1.25	0.09	0.1	0.016	0.14	1.4	6.3	10.50	722	2.66	0.02	1.0	2.1	60
I074521		16.00	43.9	0.55	0.1	0.147	1.33	0.7	57.2	9.63	1740	3.51	0.07	21.3	1.9	60
I074522		6.12	15.65	0.25	2.3	0.776	3.22	82.8	25.0	1.50	1140	13.60	1.14	12.6	33.1	910
I074523		10.40	19.15	0.13	0.1	0.099	0.27	1.0	21.3	10.00	1800	2.44	0.05	9.0	0.6	40
I074524		0.22	0.43	0.06	0.1	0.008	0.06	1.1	3.6	11.35	276	1.87	0.01	0.4	0.7	40
I074525		0.25	1.11	0.24	0.1	0.011	0.09	1.2	7.0	11.35	303	2.13	0.01	0.5	2.7	50
I074526		1.09	1.20	0.11	<0.1	0.040	0.03	1.0	2.7	10.15	2660	1.88	0.01	1.0	1.6	50
I074527		0.63	0.53	<0.05	0.1	0.027	0.08	1.5	3.1	10.80	1700	2.17	0.02	0.9	2.5	60
I074528		0.40	1.22	0.20	0.1	0.028	0.07	1.3	3.8	11.25	813	2.83	0.01	1.4	3.3	50
I074529		3.31	50.7	0.16	2.0	0.112	1.94	11.6	52.7	2.77	950	294	0.04	81.7	0.5	40
I074530		0.43	0.34	0.07	<0.1	0.007	0.03	0.6	1.0	11.95	197	0.25	0.01	0.4	2.0	180
I074531		0.22	0.80	0.25	0.1	0.019	0.09	1.3	4.9	10.75	328	2.32	0.01	0.7	3.2	70
I074532		0.18	0.82	0.30	0.1	0.017	0.05	0.9	3.1	11.00	367	1.84	0.02	0.4	3.3	60
I074533		0.78	25.1	0.17	2.4	0.082	3.99	2.5	13.4	0.49	457	8.87	2.16	96.8	0.3	10
I074534		0.77	24.6	0.17	2.0	0.075	4.15	2.1	12.9	0.49	418	2.47	2.10	94.2	0.3	10
I074535		0.86	23.9	0.19	1.1	0.073	3.61	2.0	13.8	0.06	374	0.22	2.29	88.5	0.4	10
I074536		0.30	1.00	0.17	0.1	0.029	0.16	2.2	4.5	10.65	428	3.74	0.03	1.0	5.9	70

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Project: RAU

Finalized Date: 23-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10073648

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I074501		80.9	39.9	<0.002	0.02	2.14	0.6	2	9.1	137.0	0.93	<0.05	0.4	0.006	0.67	4.0
I074502		66.8	45.8	0.017	0.12	1.61	0.6	2	5.9	152.5	0.12	<0.05	0.5	0.008	0.55	10.5
I074503		25.2	22.8	<0.002	0.01	0.42	0.4	2	5.1	135.0	0.07	<0.05	0.3	<0.005	0.16	5.5
I074504		9.2	126.0	0.004	0.03	0.25	1.2	1	15.0	115.0	0.62	<0.05	0.5	0.005	0.62	3.8
I074505		31.0	365	0.002	0.01	0.20	2.0	2	6.3	25.8	4.98	<0.05	15.5	0.025	2.04	26.8
I074506		34.3	373	<0.002	0.03	0.22	2.5	1	10.3	26.1	4.91	<0.05	15.6	0.024	2.10	31.0
I074507		48.9	118.5	0.014	1.33	33.6	8.9	8	90.9	305	0.67	2.54	10.3	0.249	1.38	9.9
I074508		26.6	334	<0.002	0.02	0.21	4.0	1	7.3	34.1	4.01	0.05	11.3	0.027	1.91	25.0
I074509		215	301	<0.002	0.15	2.79	3.7	1	76.0	31.0	4.96	0.62	13.8	0.021	1.53	24.4
I074510		77.9	262	0.002	0.10	3.65	1.4	1	28.6	15.9	12.90	<0.05	12.2	0.010	2.01	20.2
I074511		5.5	33.2	0.003	0.02	0.18	0.5	1	3.5	86.7	1.10	<0.05	1.1	<0.005	0.16	5.6
I074512		7.6	18.6	0.002	0.01	0.13	0.2	1	1.4	93.2	0.07	<0.05	<0.2	<0.005	0.09	2.1
I074513		7.0	16.1	0.003	0.02	0.17	0.2	1	1.8	89.4	<0.05	<0.05	<0.2	<0.005	0.09	1.7
I074514		13.7	26.8	0.002	0.04	0.57	0.3	2	5.0	117.5	0.09	<0.05	0.2	<0.005	0.09	2.1
I074515		16.6	830	0.009	9.64	0.92	10.4	5	13.1	13.2	12.45	0.49	16.9	0.024	3.46	23.1
I074516		1.6	2.8	<0.002	0.03	0.14	0.3	2	<0.2	43.9	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
I074517		21.8	88.9	0.005	0.49	0.84	0.3	2	2.5	120.5	0.20	<0.05	<0.2	<0.005	0.34	3.8
I074518		36.5	89.2	0.002	0.02	0.38	0.3	1	5.5	129.5	0.15	<0.05	0.3	<0.005	0.39	2.6
I074519		2.9	24.2	0.002	0.14	0.27	0.3	2	1.2	152.5	<0.05	0.05	<0.2	<0.005	0.10	2.7
I074520		4.1	49.7	0.003	0.07	0.24	0.5	2	0.7	160.5	0.05	<0.05	0.4	0.006	0.41	2.7
I074521		2.5	316	0.016	3.86	0.29	2.4	4	12.9	40.7	0.77	0.30	0.5	0.006	1.69	8.3
I074522		48.7	183.0	0.002	0.76	33.9	8.5	5	61.2	306	0.81	0.55	10.4	0.304	1.82	5.8
I074523		1.4	49.5	0.009	1.91	0.11	0.4	2	2.8	72.6	0.20	0.07	0.3	0.006	0.36	5.0
I074524		1.8	9.9	<0.002	0.05	0.10	0.3	2	0.2	128.5	<0.05	<0.05	<0.2	<0.005	0.13	2.2
I074525		5.0	17.4	0.002	0.06	0.24	0.3	2	0.2	138.5	<0.05	<0.05	<0.2	<0.005	0.16	3.9
I074526		159.5	5.5	<0.002	0.42	4.43	0.3	2	0.9	130.5	0.05	<0.05	<0.2	<0.005	0.41	3.0
I074527		18.4	12.1	0.003	0.06	0.44	0.4	2	0.6	158.5	<0.05	<0.05	0.2	0.006	0.20	3.6
I074528		24.2	17.7	0.006	0.10	1.03	0.4	2	0.6	142.0	0.30	<0.05	0.2	<0.005	0.28	5.5
I074529		29.5	399	0.030	0.59	2.67	2.4	2	6.1	28.3	96.8	0.66	13.4	0.005	3.25	14.2
I074530		1.5	1.5	<0.002	0.01	<0.05	0.3	1	<0.2	39.8	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
I074531		12.0	22.5	0.003	0.07	0.33	0.4	2	1.2	166.0	0.05	<0.05	0.3	0.006	0.28	4.0
I074532		16.5	14.6	0.002	0.05	0.33	0.3	2	0.7	144.5	<0.05	<0.05	0.2	<0.005	0.13	3.3
I074533		31.8	366	<0.002	0.01	0.11	1.8	2	2.0	16.2	6.47	0.05	17.9	0.007	1.73	35.0
I074534		33.0	384	<0.002	0.01	0.14	1.6	2	1.7	15.7	6.58	0.06	17.0	0.007	1.90	33.6
I074535		27.6	327	<0.002	0.01	0.10	2.8	2	2.1	18.5	4.85	0.05	14.9	0.013	1.66	29.7
I074536		7.0	50.7	0.009	0.09	0.34	0.6	2	1.0	169.5	0.07	<0.05	0.5	0.008	0.50	4.8

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CERTIFICATE OF ANALYSIS VA10073648

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	As-OG62
	Analyte	V	W	Y	Zn	Zr	As
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
I074501		5	5.2	4.7	944	3.8	
I074502		6	10.3	3.8	633	5.8	
I074503		5	1.6	2.7	433	3.6	
I074504		3	42.0	5.6	194	3.7	
I074505		<1	21.6	37.6	55	37.9	
I074506		<1	2.3	34.7	61	51.9	
I074507		53	1580	26.2	214	78.6	1.045
I074508		1	1.8	31.2	32	23.6	
I074509		2	5.1	31.3	323	23.6	
I074510		<1	17.9	29.1	1120	50.7	
I074511		3	15.8	5.7	79	3.6	
I074512		3	3.1	1.4	30	0.7	
I074513		3	0.8	0.8	69	0.8	
I074514		5	1.2	2.5	71	2.0	
I074515		41	980	13.3	136	2.6	
I074516		4	1.8	0.8	16	<0.5	
I074517		4	70.5	2.5	121	1.0	
I074518		5	1.8	0.8	104	2.7	
I074519		5	24.1	2.5	30	1.0	
I074520		6	1.3	2.6	26	4.6	
I074521		12	1620	10.1	66	1.5	
I074522		69	21.7	20.3	117	76.2	1.010
I074523		8	840	7.9	27	1.7	
I074524		5	4.2	1.2	5	2.2	
I074525		6	4.5	1.8	24	2.2	
I074526		3	5.4	3.1	2410	1.4	
I074527		6	1.8	2.5	196	2.7	
I074528		6	1.3	1.9	125	3.0	
I074529		6	210	17.8	62	15.8	
I074530		4	0.2	0.8	13	<0.5	
I074531		6	1.8	1.6	48	3.8	
I074532		6	1.0	0.9	112	2.7	
I074533		<1	2.8	38.3	31	33.7	
I074534		<1	3.5	37.7	29	29.4	
I074535		<1	2.0	33.6	25	16.0	
I074536		7	2.5	2.6	36	5.4	

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CERTIFICATE OF ANALYSIS VA10073648

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non-sufficient sample.
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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Finalized Date: 23-JUN-2010
Account: RCM

CERTIFICATE VA10073649

Project: RAU

P.O. No.: Batch 2

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 10-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LOG-23	Pulp Login - Rcvd with Barcode
CRU-31	Fine crushing - 70% <2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 23-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10073649

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA26 Au ppm 0.01	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
I074537		3.08	<0.01	0.26	0.16	7	270	2.18	0.33	21.7	0.38	1.68	1.5	3	2.67	10.3
I074538		2.78	0.01	3.11	6.10	15.7	340	24.4	1.06	2.54	1.28	17.20	2.7	8	6.91	45.5
I074539		3.86	<0.01	0.31	0.16	<5	100	0.65	0.69	20.9	0.51	1.68	1.2	2	1.26	4.4
I074540		3.50	<0.01	0.73	0.20	<5	420	1.92	0.28	21.8	0.42	5.42	1.0	8	6.89	9.7
I074541		5.04	0.02	<0.01	6.29	1.4	520	9.17	0.11	1.57	0.25	49.6	1.1	7	5.75	7.5
I074542		2.18	<0.01	<0.01	6.42	1.3	530	9.44	0.11	1.35	0.16	56.4	1.0	7	5.45	7.6
I074543		4.72	<0.01	<0.01	6.63	4.2	480	8.16	0.09	1.18	0.23	69.5	1.0	10	5.37	5.9
I074544		4.62	<0.01	0.12	6.72	14.6	580	8.15	0.16	1.24	0.66	68.3	1.1	7	6.90	14.9
I074545		4.90	<0.01	0.19	6.57	11.8	570	5.45	0.33	0.80	0.43	54.2	0.6	9	7.12	15.5
I074546		4.72	<0.01	<0.01	6.43	2.3	450	8.70	0.10	1.11	0.18	65.7	1.1	7	4.17	8.7
I074547		0.12	2.46	9.89	5.54	>10000	1000	2.75	288	12.05	2.26	271	73.2	60	9.98	4090
I074548		4.72	<0.01	<0.01	6.43	5.8	530	8.27	0.21	1.17	0.11	62.1	1.1	9	4.61	11.1
I074549		4.86	<0.01	<0.01	6.78	1.0	360	9.41	0.07	1.27	0.05	62.3	1.3	9	3.97	6.7
I074550		4.86	<0.01	<0.01	6.87	3.6	450	9.12	0.12	1.15	0.07	71.6	1.4	11	4.89	4.9
I074551		5.08	0.02	2.08	5.39	697	480	3.40	4.98	0.75	0.28	158.0	0.8	6	5.99	177.0
I074552		5.14	0.03	0.62	7.18	1180	450	4.96	0.18	0.61	0.96	64.4	0.7	7	6.18	53.7
I074553		4.76	0.01	0.07	6.98	547	440	5.47	0.12	0.89	0.60	63.8	1.0	8	8.66	9.1
I074554		4.10	<0.01	0.04	6.48	298	340	5.27	0.09	1.52	0.88	47.7	0.9	7	7.87	6.0
I074555		5.18	0.19	2.64	5.18	>10000	210	3.65	6.03	0.50	3.38	47.4	19.2	8	5.54	6.8
I074556		3.98	<0.01	0.02	0.09	7	20	0.29	0.07	20.6	0.10	1.55	1.3	2	0.18	2.0
I074557		7.82	<0.01	0.03	1.00	6	150	0.43	0.03	31.9	0.13	18.40	2.5	10	0.39	5.5
I074558		8.82	<0.01	0.01	0.78	<5	120	0.12	0.01	32.4	0.07	7.51	2.4	9	0.17	3.1
I074559		4.88	<0.01	0.23	11.40	2.7	1960	2.12	0.06	0.62	0.03	84.7	55.7	490	32.2	49.1
I074560		0.28	0.54	1.54	0.16	6430	50	0.08	61.3	16.00	2.31	13.90	1.5	9	0.37	15.2
I074561		8.66	<0.01	0.12	9.08	4.2	950	1.43	0.60	6.37	0.09	59.8	62.7	346	24.4	66.4
I074562		8.00	<0.01	0.19	8.53	10.2	1030	1.30	0.22	7.97	0.11	59.6	69.1	298	36.9	101.0
I074563		3.90	<0.01	0.17	8.18	3.5	1090	1.21	0.02	7.95	0.06	56.9	78.5	291	62.8	72.1
I074564		2.50	<0.01	0.28	10.30	83.1	2280	2.38	2.29	1.47	0.03	108.5	46.8	359	45.7	52.7
I074565		7.42	<0.01	0.01	0.08	<5	20	0.06	0.02	20.4	0.06	1.57	1.6	2	0.30	3.8
I074566		7.06	<0.01	0.31	11.10	14.0	2270	2.44	0.08	1.26	0.02	122.0	42.9	248	32.7	64.1
I074567		7.94	<0.01	0.26	10.10	4.4	2040	2.27	0.04	1.71	0.05	115.0	46.9	295	29.8	42.8
I074568		6.26	<0.01	0.26	8.27	1.7	1520	1.87	0.02	6.54	0.10	78.7	49.7	249	18.65	11.0
I074569		1.06	<0.01	0.23	8.13	60.7	2040	1.68	0.61	7.87	0.09	94.2	19.9	226	14.90	9.6
I074570		3.68	<0.01	0.19	8.66	292	1520	0.68	1.06	4.93	1.40	26.0	35.4	266	40.8	18.6
I074571		3.68	0.01	0.22	7.53	463	530	0.78	3.61	4.11	0.59	25.0	57.9	251	32.5	41.9
I074572		2.62	<0.01	0.09	7.49	414	2560	0.76	0.22	8.86	1.43	27.1	40.3	232	45.8	43.0

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To: **ATAC RESOURCES LTD.**
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Project: RAU

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CERTIFICATE OF ANALYSIS VA10073649

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I074537		0.19	0.81	0.29	0.1	0.012	0.08	1.2	4.5	10.70	249	1.93	0.02	0.4	5.2	90
I074538		1.85	25.2	0.18	2.0	0.154	3.72	7.0	11.7	1.29	637	1.88	1.86	78.9	1.1	100
I074539		0.83	0.83	<0.05	0.1	0.017	0.08	1.5	7.3	10.50	3350	1.34	0.01	0.6	1.7	100
I074540		0.25	1.06	0.58	0.2	0.010	0.10	6.3	19.3	11.60	520	3.42	0.01	0.8	9.7	470
I074541		0.94	20.6	0.24	2.1	0.029	4.37	21.9	24.0	0.33	269	1.68	1.56	46.7	0.6	330
I074542		0.84	19.75	0.25	1.8	0.019	4.38	25.5	22.6	0.26	179	0.83	1.58	45.3	0.7	290
I074543		1.03	20.3	0.27	2.0	0.040	4.26	33.3	18.9	0.15	278	9.54	1.63	46.5	0.9	350
I074544		1.05	20.7	0.31	2.1	0.102	4.95	31.9	20.4	0.15	609	1.26	1.13	46.3	0.7	310
I074545		1.36	18.75	0.25	2.1	0.312	5.60	26.1	13.6	0.14	1540	9.51	0.44	39.4	0.8	230
I074546		0.90	19.05	0.28	1.8	0.044	4.16	30.7	16.9	0.13	310	0.23	1.60	42.8	0.8	270
I074547		8.51	18.85	1.43	2.2	2.30	1.74	152.0	40.9	1.35	1620	15.10	1.21	11.7	38.8	810
I074548		1.17	19.40	0.28	2.1	0.092	4.43	27.8	18.7	0.13	424	0.28	1.51	47.1	0.9	300
I074549		1.13	20.5	0.24	2.3	0.011	3.66	29.1	24.1	0.15	135	0.23	1.98	48.0	1.2	320
I074550		1.32	20.3	0.26	2.2	0.064	4.07	34.3	20.6	0.15	385	0.26	1.79	43.8	1.2	340
I074551		9.69	15.70	0.35	1.6	5.24	4.28	82.9	12.0	0.40	13550	0.24	0.15	23.8	0.6	280
I074552		3.10	20.3	0.24	2.4	1.180	5.02	32.3	14.0	0.28	3270	0.20	0.10	41.7	0.9	340
I074553		1.65	19.05	0.23	2.6	0.296	4.93	30.8	12.2	0.21	1060	0.41	0.29	44.3	0.9	340
I074554		1.13	20.0	0.23	2.7	0.183	4.56	20.3	11.1	0.16	792	0.33	0.17	48.7	1.1	310
I074555		8.48	14.80	0.23	2.3	2.64	3.45	23.7	15.2	0.37	8760	0.84	0.09	28.3	2.2	210
I074556		0.48	0.72	0.45	<0.1	0.009	0.03	0.7	1.1	13.30	222	0.13	0.01	0.6	2.0	190
I074557		0.78	3.03	0.57	0.5	0.018	0.56	9.0	3.3	1.26	349	0.59	0.01	7.3	8.3	130
I074558		0.82	1.47	0.05	0.4	0.008	0.32	3.8	1.4	1.00	463	0.98	0.09	2.9	4.9	80
I074559		12.90	29.9	0.32	0.2	0.117	4.90	35.1	45.6	1.55	602	0.76	0.32	50.6	475	1490
I074560		11.20	1.23	0.13	0.1	0.118	0.06	5.5	1.9	9.20	4760	2.14	0.01	1.3	6.1	140
I074561		8.53	23.9	0.20	0.5	0.082	3.10	28.6	43.0	2.74	1680	0.57	1.41	31.2	265	1530
I074562		9.67	18.80	0.22	0.7	0.078	2.85	27.5	51.1	2.96	2200	0.91	1.61	36.0	297	1850
I074563		9.15	18.25	0.21	1.0	0.072	3.33	26.5	53.7	3.40	2310	0.65	1.27	34.7	277	1780
I074564		11.25	26.4	0.33	0.4	0.101	5.26	53.5	48.9	1.55	776	1.25	0.60	45.9	286	1750
I074565		0.51	0.50	0.20	<0.1	0.005	0.03	0.7	1.1	13.15	227	0.12	0.01	0.5	3.8	190
I074566		10.85	24.1	0.32	0.6	0.100	4.96	58.3	44.7	1.42	707	0.99	0.95	80.9	192.5	2600
I074567		10.40	24.4	0.33	0.7	0.092	5.26	54.7	50.6	1.63	849	0.57	0.93	76.1	231	2980
I074568		9.47	22.3	0.26	0.7	0.071	3.21	39.2	38.9	1.97	1430	0.24	0.63	56.2	281	2960
I074569		7.96	18.65	0.25	0.7	0.062	3.75	48.9	28.8	1.32	948	0.44	0.07	48.3	164.5	2530
I074570		6.63	19.40	0.20	0.3	0.054	5.13	11.9	46.2	4.02	670	0.30	0.11	7.4	208	900
I074571		8.53	17.95	0.21	0.7	0.037	4.46	11.9	37.2	3.88	470	0.63	0.09	7.6	209	860
I074572		4.85	16.10	0.15	0.5	0.059	4.40	12.4	36.9	2.76	1030	0.32	0.10	9.2	191.5	570

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	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I074537		32.5	45.1	0.004	0.08	0.77	0.3	2	1.5	148.0	0.06	<0.05	0.2	<0.005	0.37	3.3
I074538		101.0	332	<0.002	0.38	2.32	2.4	2	2.8	56.7	7.08	0.07	18.7	0.019	2.56	30.3
I074539		72.1	29.1	0.004	0.05	0.44	0.3	1	1.8	104.0	0.06	<0.05	0.2	<0.005	0.20	3.4
I074540		31.6	79.8	0.017	0.03	1.97	0.7	2	6.9	92.7	0.06	<0.05	0.6	0.006	0.44	3.6
I074541		25.7	326	0.002	0.07	0.30	3.3	1	6.0	245	5.42	<0.05	31.4	0.101	1.66	24.5
I074542		25.0	338	0.002	0.06	0.26	3.0	1	4.6	253	5.67	<0.05	33.5	0.094	1.59	34.9
I074543		27.8	335	<0.002	0.05	0.26	3.6	1	4.9	251	3.64	<0.05	43.5	0.114	1.60	29.7
I074544		25.8	402	0.002	0.08	0.56	3.6	2	6.9	201	3.87	<0.05	42.7	0.101	1.96	32.5
I074545		23.4	448	<0.002	0.04	1.06	2.8	1	17.0	125.0	4.26	<0.05	38.5	0.078	1.99	32.5
I074546		20.7	313	0.002	0.07	0.22	3.1	1	3.3	242	3.35	<0.05	42.6	0.096	1.50	29.7
I074547		47.0	132.0	0.022	1.26	39.2	9.1	10	96.1	282	0.73	2.60	12.0	0.240	1.44	10.7
I074548		19.7	326	0.002	0.06	0.31	3.6	1	7.0	236	3.27	<0.05	39.7	0.107	1.62	27.2
I074549		18.6	278	<0.002	0.05	0.11	3.9	1	2.0	281	3.49	<0.05	44.5	0.113	1.40	32.6
I074550		18.6	313	<0.002	0.03	0.21	4.0	1	8.3	274	3.69	<0.05	44.2	0.116	1.46	30.6
I074551		29.3	357	<0.002	0.15	7.75	3.4	1	45.8	80.0	2.27	<0.05	29.9	0.063	1.47	19.8
I074552		38.8	450	0.002	0.19	5.01	3.0	1	98.2	59.3	3.87	<0.05	42.3	0.092	1.85	22.5
I074553		35.8	400	<0.002	0.11	1.95	3.1	1	40.4	123.0	3.01	<0.05	46.1	0.111	2.01	44.1
I074554		50.0	337	0.002	0.08	1.54	3.2	1	33.8	99.2	3.08	<0.05	34.1	0.108	1.86	31.4
I074555		156.0	316	<0.002	1.28	43.1	2.3	1	70.2	43.1	2.02	<0.05	29.8	0.056	1.34	27.4
I074556		2.4	3.3	0.002	0.01	0.21	0.5	2	4.2	47.4	<0.05	0.06	0.3	<0.005	0.02	0.7
I074557		3.2	17.9	0.003	0.02	0.14	2.2	3	4.9	269	0.40	<0.05	1.5	0.088	0.10	0.6
I074558		1.3	7.6	0.002	0.08	0.07	1.1	1	0.2	239	0.17	<0.05	0.7	0.051	0.06	0.4
I074559		1.3	142.5	0.003	0.01	0.11	34.9	3	2.7	32.3	3.07	<0.05	4.6	2.08	1.37	0.5
I074560		95.2	5.1	0.002	9.22	3.14	0.6	2	3.3	114.0	<0.05	0.10	0.6	0.012	0.07	0.3
I074561		2.1	130.5	0.002	0.02	0.12	26.4	2	6.3	208	1.78	0.07	3.5	1.230	0.96	0.6
I074562		2.5	112.0	0.002	0.01	0.11	23.4	2	1.6	277	2.06	<0.05	3.4	1.460	0.68	0.6
I074563		1.6	223	0.002	<0.01	0.09	22.9	2	2.2	226	2.04	<0.05	3.6	1.420	1.58	0.7
I074564		2.4	228	0.005	0.56	0.40	28.0	3	10.0	84.8	2.75	0.11	6.3	1.505	2.01	0.6
I074565		1.1	2.2	<0.002	0.01	<0.05	0.5	1	<0.2	37.8	<0.05	<0.05	<0.2	0.005	0.02	0.5
I074566		1.3	189.5	0.004	0.12	0.23	21.5	3	3.0	76.5	4.39	<0.05	8.2	1.670	1.46	0.7
I074567		1.6	173.0	0.004	<0.01	0.18	22.8	3	2.2	77.2	4.30	<0.05	8.0	1.545	0.89	0.6
I074568		2.4	95.3	0.003	<0.01	0.13	19.9	2	1.8	123.5	3.08	<0.05	6.1	1.160	0.41	0.6
I074569		1.6	157.5	0.004	0.54	0.29	17.9	2	2.6	216	2.72	<0.05	6.8	0.894	0.95	0.8
I074570		2.7	356	0.003	2.16	0.84	24.1	2	9.5	50.1	0.37	0.15	1.4	0.478	3.78	0.4
I074571		1.7	398	<0.002	5.88	0.74	21.5	2	6.5	35.0	0.38	0.29	1.5	0.422	2.78	0.4
I074572		6.6	276	0.005	0.37	0.84	22.6	2	6.9	84.2	0.48	<0.05	1.7	0.509	2.82	0.5

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	Analyte	V	W	Y	Zn	Zr	As
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
I074537		8	1.0	1.2	103	2.1	
I074538		2	84.3	32.5	261	30.3	
I074539		5	2.5	1.9	193	2.1	
I074540		6	11.2	9.4	65	3.9	
I074541		13	15.3	17.2	69	41.0	
I074542		12	13.7	17.6	40	34.5	
I074543		15	1.5	17.1	67	42.1	
I074544		13	60.6	17.9	182	45.2	
I074545		10	7.6	16.3	134	41.8	
I074546		11	8.3	15.1	47	39.5	
I074547		52	1480	28.0	197	70.3	0.972
I074548		13	22.7	15.6	30	43.9	
I074549		13	4.1	15.0	13	50.1	
I074550		14	1.5	13.5	18	45.5	
I074551		11	5.7	12.8	72	29.2	
I074552		13	7.6	13.4	309	46.5	
I074553		13	5.6	13.1	216	53.5	
I074554		13	17.3	14.0	311	55.6	
I074555		8	6.3	10.9	1200	42.2	1.290
I074556		3	0.2	0.9	15	0.6	
I074557		11	0.3	5.2	19	25.4	
I074558		9	0.1	2.3	6	12.5	
I074559		285	0.6	17.9	107	6.3	
I074560		8	129.0	5.9	453	3.1	
I074561		222	1.2	14.7	93	14.4	
I074562		231	0.7	15.7	145	24.3	
I074563		249	0.4	16.8	123	32.9	
I074564		214	3.3	11.3	104	11.6	
I074565		3	0.1	0.8	15	<0.5	
I074566		219	1.1	17.0	97	21.0	
I074567		175	0.8	17.4	111	24.6	
I074568		113	0.5	16.6	119	23.7	
I074569		135	1.5	13.9	52	29.9	
I074570		183	2.8	13.3	219	8.6	
I074571		167	2.6	11.7	110	24.0	
I074572		147	2.8	13.8	346	15.6	

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 23-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10073649

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 24-JUN-2010
Account: RCM

CERTIFICATE VA10074880

Project: RAU

P.O. No.: Batch 3

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 10-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LOG-23	Pulp Login - Rcvd with Barcode
CRU-31	Fine crushing - 70% <2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Project: RAU

Finalized Date: 24-JUN-2010
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CERTIFICATE OF ANALYSIS VA10074880

Method	WEI-21	Au-AA26	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description LOR	0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
I074573	2.28	0.01	0.07	0.19	259	40	0.20	1.01	19.65	2.23	3.84	2.0	1	0.83	3.2
I074574	3.10	0.01	0.08	0.10	124	50	0.10	2.97	19.55	1.96	4.48	10.4	<1	0.66	6.9
I074575	4.70	<0.01	0.06	0.17	137	20	0.18	0.80	19.85	2.37	4.52	1.7	4	0.42	9.8
I074576	4.16	<0.01	0.10	0.22	394	10	0.18	1.01	18.40	4.63	5.74	2.5	3	0.22	13.9
I074577	4.30	<0.01	0.12	0.33	790	610	0.19	1.29	17.60	6.86	6.83	2.7	6	0.20	27.6
I074578	3.92	<0.01	0.11	0.12	435	20	0.15	1.19	19.40	4.63	6.19	2.1	1	0.41	10.7
I074579	3.96	0.01	0.03	0.07	5	20	0.10	0.04	20.5	0.07	1.18	0.8	<1	0.17	1.6
I074580	4.74	0.01	0.11	0.08	158	10	0.08	2.04	18.40	2.35	6.51	2.0	<1	0.47	5.4
I074581	4.74	0.01	0.07	0.14	26	30	0.14	0.53	20.5	0.47	4.58	1.6	1	1.41	2.2
I074582	5.82	0.02	0.06	0.18	56	40	0.14	0.92	20.1	0.05	3.39	1.9	2	1.99	2.4
I074583	2.68	0.01	0.04	0.18	120	40	0.17	1.00	20.0	0.06	3.37	2.0	3	2.00	3.0
I074584	4.74	0.01	0.07	0.10	92	20	0.13	0.71	19.80	0.96	4.42	1.6	2	0.49	1.7
I074585	4.84	0.03	0.11	0.07	187	20	0.10	5.01	19.35	1.35	3.89	1.5	<1	0.41	2.3
I074586	5.16	0.15	0.06	0.06	289	40	0.07	13.40	18.65	1.00	3.35	1.3	1	0.59	2.0
I074587	5.52	0.01	0.09	0.06	43	30	0.10	1.84	20.0	0.04	4.41	0.6	1	0.44	1.6
I074588	0.28	3.20	0.78	0.16	1740	20	<0.05	109.5	14.55	1.50	12.35	1.7	10	1.01	32.3
I074589	4.54	0.01	0.05	0.09	56	20	0.13	1.84	19.25	0.57	4.00	0.9	1	0.60	1.7
I074590	5.50	0.04	0.35	1.69	43	780	0.78	2.07	27.3	1.49	20.7	11.0	12	1.92	8.6
I074591	5.74	1.73	24.5	1.02	101	180	0.53	297	16.90	7.18	14.30	6.7	4	1.59	135.5
I074592	5.44	1.08	4.26	3.63	69	370	0.99	114.5	17.20	1.51	61.1	14.7	56	4.31	14.5
I074593	5.44	0.01	0.20	5.18	35	230	1.76	2.20	14.60	1.84	95.0	48.6	152	8.68	45.7
I074594	5.72	<0.01	<0.01	10.65	1.0	1530	3.59	0.30	1.12	<0.02	138.5	24.0	190	25.0	30.5
I074595	5.46	0.01	<0.01	9.96	3.2	1590	3.56	0.35	1.53	0.16	175.0	20.6	123	17.85	3.1
I074596	6.08	0.01	<0.01	9.42	7.4	1830	3.53	0.51	1.01	0.03	186.0	18.5	75	9.37	17.5
I074597	5.34	<0.01	<0.01	9.87	0.6	2430	3.34	0.10	1.11	<0.02	164.0	18.1	68	26.3	7.6
I074598	5.24	0.01	<0.01	9.47	4.3	3920	3.38	0.42	1.82	<0.02	127.0	24.6	141	48.5	5.2
I074599	0.28	2.64	0.78	0.17	1740	30	0.11	96.1	14.40	1.60	11.70	1.7	10	1.11	31.5
I074600	5.50	0.01	<0.01	8.26	1.9	1390	2.65	1.00	3.45	<0.02	96.5	32.4	91	32.5	21.5
I074601	5.44	<0.01	<0.01	9.90	1.7	4190	3.96	0.21	1.41	0.06	145.5	18.9	86	38.7	3.3
I074602	6.00	<0.01	<0.01	9.37	3.0	3110	3.38	0.56	1.19	<0.02	170.0	12.2	73	21.2	17.5
I074603	5.02	0.01	<0.01	9.06	1.7	2490	2.71	0.07	1.17	0.03	190.5	9.0	94	29.9	1.9
I074604	5.66	0.01	<0.01	7.93	6.0	890	3.20	0.80	5.51	<0.02	157.5	10.2	110	18.10	18.0
I074605	5.24	0.04	0.05	7.05	39.1	420	1.86	6.35	7.14	<0.02	103.0	21.0	102	27.9	9.7
I074606	6.38	0.19	0.23	0.69	1360	80	0.26	55.8	12.65	0.02	9.09	2.0	10	5.77	4.7
I074607	4.14	<0.01	0.04	0.07	<5	10	0.08	0.16	19.80	0.05	1.23	1.6	1	0.24	1.8
I074608	8.22	<0.01	0.04	0.29	32	250	0.15	0.07	32.7	0.20	7.25	1.9	5	0.20	3.1

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 24-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10074880

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I074573		1.47	0.74	0.09	0.1	0.013	0.08	2.4	2.6	12.30	555	0.19	0.01	0.3	9.5	20
I074574		1.93	0.46	<0.05	<0.1	0.011	0.05	2.6	3.4	11.70	466	0.08	<0.01	0.1	7.8	30
I074575		0.94	0.41	0.08	<0.1	0.010	0.04	2.9	2.8	12.15	409	0.19	<0.01	0.2	6.2	20
I074576		2.19	0.48	<0.05	<0.1	0.020	0.01	3.7	3.1	12.15	411	0.18	<0.01	0.2	9.8	20
I074577		3.55	0.64	0.05	<0.1	0.157	0.01	4.9	3.3	11.55	488	0.25	0.02	0.1	11.9	40
I074578		2.37	0.35	<0.05	<0.1	0.014	0.02	4.0	3.8	11.95	463	0.91	<0.01	0.1	7.3	20
I074579		0.43	0.31	0.19	<0.1	0.007	0.03	0.7	1.2	12.50	194	<0.05	<0.01	0.2	1.4	220
I074580		2.61	0.38	<0.05	<0.1	0.014	0.02	3.9	3.4	12.00	550	1.49	<0.01	0.1	6.0	20
I074581		0.46	0.66	0.18	0.1	0.007	0.10	3.2	4.5	12.55	392	1.42	0.01	0.3	2.1	10
I074582		0.88	0.71	0.12	0.1	<0.005	0.14	2.1	4.2	12.10	322	0.28	<0.01	0.4	2.6	10
I074583		0.96	0.72	0.11	0.1	0.005	0.14	2.1	4.1	12.05	327	0.29	<0.01	0.4	2.4	10
I074584		1.01	0.54	0.08	<0.1	0.005	0.04	2.6	3.8	11.55	426	1.28	<0.01	0.3	3.8	10
I074585		2.10	0.39	<0.05	<0.1	0.011	0.02	2.6	4.0	12.00	491	1.13	0.01	0.2	3.5	20
I074586		2.93	0.28	<0.05	<0.1	0.011	0.04	2.6	3.3	11.45	519	1.08	0.01	0.2	3.3	20
I074587		0.84	0.31	0.08	<0.1	0.006	0.05	3.4	3.5	12.10	392	0.98	0.01	0.2	1.3	10
I074588		10.00	1.35	0.31	0.1	0.080	0.08	6.1	3.6	8.34	1720	5.08	<0.01	0.8	10.0	90
I074589		0.83	0.43	0.08	<0.1	<0.005	0.04	3.1	3.4	11.95	323	1.11	<0.01	0.2	2.3	10
I074590		2.81	4.12	0.06	1.1	1.075	0.78	11.4	3.7	1.62	5550	0.94	0.02	9.7	23.0	170
I074591		6.24	5.68	0.09	0.7	1.280	0.50	6.1	3.7	7.58	12250	0.87	<0.01	4.2	22.4	320
I074592		5.28	11.45	0.13	1.5	0.201	1.79	29.9	9.8	3.76	4820	0.60	0.03	18.4	25.9	1120
I074593		6.12	13.55	0.18	1.9	0.313	2.79	48.3	12.6	1.25	2370	1.52	0.07	32.3	70.1	1800
I074594		9.69	25.3	0.33	0.8	0.111	5.45	74.2	47.7	1.21	481	1.29	0.13	85.4	107.5	3370
I074595		9.03	24.5	0.35	0.8	0.151	5.37	95.9	44.6	1.18	767	1.62	0.10	83.4	83.2	3580
I074596		6.75	26.5	0.34	0.9	0.130	4.72	99.7	37.3	0.86	679	1.50	0.11	102.5	45.1	2650
I074597		7.76	27.2	0.36	1.0	0.106	4.68	87.9	46.9	1.04	344	1.67	0.26	124.5	45.0	3000
I074598		8.96	26.2	0.32	0.7	0.107	4.53	62.8	71.3	1.38	393	0.35	0.26	90.2	91.7	2750
I074599		9.96	1.29	0.29	0.1	0.066	0.10	5.8	2.6	8.26	1710	4.42	<0.01	1.5	10.4	100
I074600		8.30	23.5	0.27	0.4	0.085	5.01	49.4	66.7	1.73	410	2.51	0.12	48.9	80.6	2690
I074601		8.18	26.3	0.33	0.9	0.114	4.88	79.6	70.6	1.28	345	0.14	0.29	90.3	60.5	4570
I074602		6.19	27.0	0.34	0.7	0.085	5.16	95.6	57.0	1.03	239	0.46	1.05	113.5	36.4	2460
I074603		6.56	25.5	0.37	0.7	0.078	4.68	105.0	66.1	1.21	333	0.41	1.14	161.5	31.8	1440
I074604		5.31	22.2	0.28	0.5	0.086	4.70	79.2	47.3	2.36	534	0.45	0.13	107.0	37.5	2480
I074605		5.35	19.40	0.21	3.1	0.036	4.18	55.5	40.1	4.12	384	0.63	0.07	54.7	27.6	1640
I074606		11.50	2.82	0.13	0.4	0.009	0.43	5.3	6.0	8.01	584	0.11	0.02	4.3	2.2	160
I074607		0.44	0.33	0.07	<0.1	<0.005	0.03	0.6	1.2	11.75	189	0.05	0.01	0.5	<0.2	180
I074608		0.36	0.99	0.09	0.2	<0.005	0.13	6.0	1.0	0.24	231	0.07	<0.01	1.8	0.3	130

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CERTIFICATE OF ANALYSIS VA10074880

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I074573		5.4	12.7	<0.002	0.07	0.37	0.6	2	0.2	56.4	<0.05	<0.05	0.3	0.009	0.14	0.4
I074574		10.5	8.7	<0.002	1.50	0.49	0.6	2	0.3	52.8	<0.05	0.05	<0.2	<0.005	0.08	0.4
I074575		12.6	6.8	<0.002	0.13	1.09	0.7	2	0.3	39.2	<0.05	0.05	<0.2	<0.005	0.08	0.5
I074576		18.0	1.3	<0.002	0.17	1.41	0.9	2	0.3	33.8	<0.05	0.05	<0.2	<0.005	0.04	0.8
I074577		20.9	1.2	<0.002	0.13	3.51	1.3	3	0.3	40.4	<0.05	<0.05	0.2	<0.005	0.08	1.4
I074578		13.2	4.2	<0.002	0.09	1.28	0.7	2	0.3	51.2	<0.05	0.05	<0.2	<0.005	0.05	0.6
I074579		1.4	1.1	<0.002	0.01	0.08	0.3	1	<0.2	48.1	<0.05	<0.05	<0.2	<0.005	<0.02	0.7
I074580		4.1	4.5	<0.002	0.59	0.78	0.5	3	0.4	44.5	<0.05	<0.05	0.2	<0.005	0.07	0.7
I074581		2.2	14.1	<0.002	0.17	0.18	0.5	2	0.3	40.0	<0.05	<0.05	0.3	0.007	0.11	0.5
I074582		1.2	19.9	<0.002	0.99	0.11	0.4	2	0.3	37.4	<0.05	<0.05	0.3	0.010	0.15	0.5
I074583		1.2	20.3	<0.002	1.13	0.14	0.5	2	0.3	38.3	<0.05	<0.05	0.3	0.010	0.17	0.5
I074584		2.5	5.4	<0.002	0.65	0.35	0.4	2	0.3	38.1	<0.05	<0.05	0.2	0.007	0.06	0.6
I074585		11.0	3.3	0.003	1.27	0.52	0.3	2	0.3	41.5	<0.05	0.07	<0.2	<0.005	0.08	0.5
I074586		12.3	4.2	<0.002	2.35	0.41	0.2	2	0.3	44.8	<0.05	0.06	<0.2	<0.005	0.05	0.4
I074587		2.8	4.7	0.002	0.91	0.16	0.3	2	0.2	40.2	<0.05	<0.05	<0.2	0.005	0.04	0.3
I074588		110.0	12.0	0.021	>10.0	5.34	1.4	4	11.9	85.2	0.05	0.22	0.6	0.009	0.36	0.2
I074589		12.6	8.0	<0.002	0.57	0.17	0.3	2	0.2	33.1	<0.05	<0.05	0.2	<0.005	0.05	0.4
I074590		55.5	50.1	<0.002	1.53	3.55	2.4	2	12.0	199.5	0.57	<0.05	2.0	0.135	0.56	1.4
I074591		233	45.4	<0.002	1.30	12.30	1.8	2	39.4	108.0	0.24	0.09	2.0	0.065	0.38	2.3
I074592		49.4	82.1	<0.002	4.01	4.50	7.0	2	8.5	152.0	0.99	0.09	3.7	0.311	0.60	1.8
I074593		6.8	115.5	0.002	4.88	3.41	15.7	2	7.8	208	1.82	0.11	5.1	0.808	0.66	3.1
I074594		1.3	152.0	<0.002	0.06	0.42	22.0	2	5.6	72.6	4.90	<0.05	9.6	1.540	1.43	0.6
I074595		1.9	178.5	<0.002	0.24	0.89	17.2	2	11.9	78.6	4.76	<0.05	11.6	1.140	1.30	0.7
I074596		2.1	155.5	<0.002	1.03	0.69	10.0	2	12.5	76.4	5.79	<0.05	15.6	0.813	1.16	0.8
I074597		2.2	169.0	<0.002	0.09	0.38	10.9	2	4.9	116.5	7.47	<0.05	15.2	1.070	1.88	0.7
I074598		3.5	210	<0.002	0.62	0.35	21.8	2	12.4	164.5	5.15	<0.05	9.2	1.170	3.09	0.6
I074599		105.5	11.9	0.025	>10.0	4.86	1.5	4	10.9	78.5	0.05	0.14	0.6	0.015	0.40	0.3
I074600		2.1	239	<0.002	1.94	0.40	16.1	2	10.1	126.0	2.89	0.15	7.7	0.889	2.28	0.5
I074601		3.7	232	<0.002	0.52	0.45	17.0	2	7.9	193.5	5.29	<0.05	11.4	1.385	2.34	0.8
I074602		2.3	245	<0.002	0.99	0.48	10.7	2	11.5	163.0	6.56	<0.05	15.2	0.862	1.71	0.7
I074603		2.6	179.5	<0.002	0.06	0.32	7.7	2	4.6	148.5	9.87	<0.05	16.8	0.892	1.83	0.4
I074604		1.2	112.0	<0.002	2.94	0.42	10.2	2	5.7	86.1	6.25	<0.05	9.2	0.752	1.10	0.2
I074605		2.2	217	<0.002	5.60	0.41	11.7	2	4.5	34.3	3.14	0.05	8.8	0.693	1.77	1.8
I074606		2.3	48.3	<0.002	>10.0	1.07	1.3	3	0.5	36.9	0.22	0.14	1.0	0.052	0.39	0.5
I074607		1.1	1.9	<0.002	0.03	0.05	0.3	1	<0.2	38.9	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
I074608		1.6	4.7	<0.002	0.01	0.21	1.1	2	0.2	140.5	0.08	<0.05	0.3	0.037	0.03	0.2

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 24-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10074880

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
I074573		9	0.4	2.5	519	2.4
I074574		6	0.9	3.0	308	1.1
I074575		7	0.6	4.1	307	0.8
I074576		8	0.6	5.5	767	0.7
I074577		9	1.5	7.6	940	<0.5
I074578		10	1.6	4.8	632	0.6
I074579		4	0.3	0.8	18	<0.5
I074580		11	3.4	4.3	335	0.9
I074581		7	1.0	2.9	46	1.6
I074582		6	0.4	1.3	12	2.2
I074583		6	0.3	1.4	12	2.3
I074584		9	1.4	1.6	95	1.2
I074585		10	281	2.3	214	1.2
I074586		10	3.0	2.7	213	0.8
I074587		10	1.6	2.7	14	0.7
I074588		10	2020	6.6	356	3.5
I074589		9	2.5	3.0	125	1.1
I074590		17	4.9	5.7	406	37.9
I074591		12	24.8	14.7	1700	24.6
I074592		47	75.6	21.3	352	53.3
I074593		140	2.7	29.2	480	59.7
I074594		193	1.4	25.3	88	23.0
I074595		139	2.3	26.0	100	25.3
I074596		121	2.8	24.3	36	32.0
I074597		117	1.4	27.1	65	36.5
I074598		183	2.9	23.7	74	26.4
I074599		11	1990	5.8	350	3.0
I074600		157	4.7	22.8	49	15.0
I074601		179	1.8	30.5	75	30.5
I074602		115	4.0	26.7	35	28.6
I074603		88	1.8	24.7	58	24.8
I074604		95	3.7	30.3	26	17.6
I074605		117	8.1	22.1	15	103.0
I074606		12	13.9	3.7	6	15.7
I074607		2	0.1	0.8	15	0.7
I074608		5	0.4	5.9	25	6.3

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 24-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10074880

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 28-JUN-2010
Account: RCM

CERTIFICATE VA10076144

Project: RAU

P.O. No.: NOW

This report is for 263 Soil samples submitted to our lab in Vancouver, BC, Canada on 14-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-31	Pulverize split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
PUL-QC	Pulverizing QC Test
SCR-43	Screen to -500um, discard plus
SCR-01	Screen - Save plus fraction

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Project: RAU

Finalized Date: 28-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10076144

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC74446		0.22	0.043	4.8	1.74	86	<10	750	0.6	<2	0.05	1.4	8	32	126	3.46
CC74447		0.22	0.001	2.3	0.64	23	<10	500	<0.5	<2	0.02	<0.5	2	25	18	1.63
CC74448		0.18	0.053	2.3	1.75	20	<10	450	0.5	<2	0.11	1.4	5	48	22	2.98
CC74449		0.18	0.002	2.2	1.90	31	<10	340	0.5	<2	0.11	1.2	11	40	39	3.03
CC74450		0.14	0.002	0.7	1.95	16	<10	230	0.5	<2	0.12	0.9	6	38	27	2.73
CC74451		0.14	0.001	1.1	1.11	32	<10	390	0.5	<2	0.09	1.4	2	45	138	2.36
CC74452		0.16	0.002	2.1	1.39	33	<10	440	0.5	<2	0.19	2.1	4	41	264	2.31
CC74453		0.20	0.002	1.1	1.14	38	<10	300	0.5	<2	0.08	1.5	3	30	110	1.81
CC74454		0.22	0.004	0.3	0.40	87	<10	110	0.6	<2	0.05	6.3	4	10	141	2.36
CC74455		0.22	0.017	1.9	0.66	60	<10	180	<0.5	<2	0.04	4.4	5	23	77	2.97
CC74456		0.26	0.820	19.3	0.73	371	<10	150	0.5	7	0.12	22.1	24	23	193	6.27
CC74457		0.22	0.002	<0.2	2.50	17	<10	150	0.5	2	0.02	<0.5	13	31	52	4.45
CC74458		0.26	<0.001	0.2	1.64	13	<10	180	0.6	<2	0.02	0.5	10	22	30	3.65
CC74459		0.20	0.001	<0.2	2.08	16	<10	240	0.6	<2	0.05	0.7	10	33	21	3.92
CC74460		0.18	0.007	0.9	1.47	8	<10	250	0.5	<2	0.05	1.9	11	26	79	3.96
CC74461		0.18	<0.001	3.0	1.94	12	<10	430	0.5	3	0.10	1.3	9	40	30	3.21
CC74462		0.26	0.004	3.4	1.09	40	<10	1880	<0.5	<2	0.04	0.9	3	39	31	2.03
CC74463		0.22	0.001	2.0	2.26	17	<10	580	0.7	<2	0.10	1.1	9	36	95	2.81
CC74464		0.22	0.002	1.7	1.76	35	<10	470	0.5	<2	0.09	1.1	8	38	34	2.95
CC74465		0.26	0.001	1.1	1.80	37	<10	560	0.6	<2	0.09	1.3	6	39	38	2.53
CC74466		0.22	0.001	2.7	1.86	28	<10	320	<0.5	<2	0.08	0.9	6	42	27	3.19
CC74467		0.24	0.006	1.1	1.69	36	<10	460	0.7	<2	0.49	6.1	4	61	319	1.78
CC74468		0.26	0.001	<0.2	1.26	19	<10	280	<0.5	<2	0.06	0.5	3	31	43	1.83
CC74469		0.22	0.001	2.5	1.47	31	<10	290	0.5	<2	0.09	0.7	4	48	70	2.66
CC74470		0.26	<0.001	1.5	1.01	43	<10	300	<0.5	<2	0.15	2.8	2	31	234	1.83
CC74471		0.18	0.002	0.6	0.27	41	<10	410	<0.5	<2	0.02	0.7	<1	11	30	1.08
CC74472		0.18	0.014	1.0	0.53	58	<10	180	<0.5	<2	0.34	34.0	12	13	134	3.87
CC74473		0.30	0.256	9.6	0.48	173	<10	170	0.5	6	0.13	35.8	13	15	216	4.53
CC74474		0.22	<0.001	1.7	1.15	8	<10	190	<0.5	<2	0.04	0.9	2	22	9	1.84
CC74475		0.18	0.001	1.5	1.15	32	<10	320	<0.5	<2	0.05	1.4	3	35	30	2.73
CC74476		0.20	<0.001	0.9	1.23	35	<10	160	<0.5	<2	0.05	<0.5	3	30	22	2.86
CC74477		0.26	0.004	0.5	1.41	25	<10	420	0.5	<2	0.17	1.3	6	46	93	2.33
CC74478		0.34	0.003	1.6	1.67	45	<10	290	0.5	<2	0.07	1.9	6	46	135	3.00
CC74479		0.14	<0.001	0.2	0.80	34	<10	190	<0.5	<2	0.06	1.4	2	22	76	1.64
CC74480		0.18	0.004	0.2	0.65	39	<10	110	0.5	<2	0.05	2.2	3	18	63	1.88
CC74481		0.18	0.003	2.2	1.09	35	<10	90	<0.5	<2	0.03	1.1	4	21	19	3.35
CC74482		0.26	0.466	8.1	0.94	80	<10	120	<0.5	2	0.05	19.6	3	18	149	3.31
CC74483		0.24	0.014	0.8	1.66	39	<10	500	0.6	<2	0.01	<0.5	10	26	45	3.21
CC74484		0.26	0.001	<0.2	2.46	22	<10	240	0.7	<2	0.04	0.5	20	36	41	4.06
CC74485		0.22	<0.001	0.5	2.08	20	<10	190	0.5	<2	0.02	<0.5	12	32	26	3.85

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 28-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10076144

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC74446		<10	<1	0.16	20	0.32	294	23	<0.01	52	1180	52	0.12	18	3	57
CC74447		<10	<1	0.11	20	0.08	87	46	<0.01	9	620	148	0.11	29	1	33
CC74448		10	<1	0.11	20	0.31	231	8	0.01	18	2230	19	0.04	8	2	40
CC74449		10	<1	0.11	20	0.36	676	17	0.01	36	1990	29	0.03	7	3	40
CC74450		10	<1	0.08	10	0.35	256	4	0.01	16	790	14	0.01	2	3	31
CC74451		<10	<1	0.13	20	0.14	106	35	0.01	38	1670	25	0.03	13	1	101
CC74452		<10	1	0.13	20	0.26	147	39	0.01	27	2220	29	0.04	7	2	239
CC74453		<10	<1	0.16	20	0.13	142	40	<0.01	20	1360	21	0.06	7	2	143
CC74454		<10	<1	0.15	20	0.03	98	65	<0.01	113	830	23	0.03	17	1	69
CC74455		<10	<1	0.18	20	0.04	97	18	0.01	52	1280	263	0.04	89	1	143
CC74456		<10	<1	0.12	10	0.12	280	110	0.02	227	1500	2680	0.05	382	6	45
CC74457		10	<1	0.16	20	0.73	485	1	0.01	41	290	29	0.01	4	2	7
CC74458		<10	<1	0.14	40	0.25	845	1	0.01	27	380	17	<0.01	3	2	6
CC74459		10	<1	0.12	20	0.46	579	2	0.01	27	580	18	0.01	4	3	8
CC74460		<10	<1	0.18	20	0.29	322	15	<0.01	105	1210	24	0.01	4	1	11
CC74461		10	<1	0.10	10	0.32	431	5	0.01	22	1840	19	0.01	4	2	20
CC74462		<10	1	0.14	10	0.13	127	32	<0.01	14	1180	15	0.14	19	2	65
CC74463		10	<1	0.09	20	0.48	259	8	0.01	23	560	17	0.01	4	6	18
CC74464		10	<1	0.11	10	0.31	757	12	0.01	19	1230	25	0.03	8	1	29
CC74465		<10	<1	0.09	10	0.29	206	19	0.01	18	1230	15	0.05	12	2	94
CC74466		10	<1	0.10	20	0.36	278	10	0.01	21	1250	26	0.03	9	3	32
CC74467		<10	1	0.09	10	0.22	203	14	0.01	44	6130	16	0.03	17	4	306
CC74468		<10	<1	0.08	20	0.17	148	13	0.01	15	870	24	0.02	4	2	38
CC74469		<10	1	0.09	10	0.15	222	21	<0.01	21	2460	42	0.04	7	2	80
CC74470		<10	1	0.10	20	0.07	81	82	<0.01	37	2760	16	0.05	11	2	263
CC74471		<10	1	0.16	20	0.02	35	64	<0.01	10	790	100	0.16	14	<1	249
CC74472		<10	<1	0.16	20	0.16	448	22	<0.01	90	1020	63	0.06	28	3	61
CC74473		<10	<1	0.11	10	0.08	597	60	<0.01	131	1350	1890	0.05	444	4	67
CC74474		10	<1	0.06	10	0.13	142	15	0.01	8	540	20	0.03	4	1	12
CC74475		10	<1	0.08	10	0.18	169	16	<0.01	20	1390	20	0.05	9	2	44
CC74476		10	<1	0.08	10	0.16	224	10	0.01	14	980	20	0.03	6	2	38
CC74477		<10	1	0.12	20	0.35	248	11	0.01	23	1910	18	0.03	6	4	47
CC74478		10	<1	0.08	10	0.25	278	24	0.01	24	1330	37	0.04	7	2	48
CC74479		<10	<1	0.15	20	0.05	90	43	0.01	22	1120	15	0.05	5	<1	99
CC74480		<10	<1	0.19	20	0.04	84	24	0.01	51	860	21	0.04	17	<1	24
CC74481		10	<1	0.09	10	0.14	285	28	0.01	20	940	56	0.03	6	1	16
CC74482		<10	<1	0.11	20	0.08	85	58	0.01	35	990	4510	0.06	1145	1	34
CC74483		<10	<1	0.13	20	0.38	364	7	0.01	50	320	37	0.01	6	3	7
CC74484		10	1	0.10	20	0.63	847	3	0.01	38	460	25	0.01	2	3	8
CC74485		10	<1	0.11	20	0.49	624	4	0.01	34	470	22	0.02	<2	2	6

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10076144

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC74446		<20	0.02	<10	<10	181	<10	272
CC74447		<20	0.02	<10	<10	325	<10	45
CC74448		<20	0.03	<10	<10	294	<10	122
CC74449		<20	0.03	<10	<10	222	<10	206
CC74450		<20	0.04	<10	<10	126	<10	80
CC74451		<20	0.02	<10	10	392	<10	132
CC74452		<20	0.03	<10	30	333	<10	104
CC74453		<20	0.02	<10	10	266	<10	80
CC74454		<20	0.01	<10	10	72	<10	615
CC74455		<20	0.01	<10	<10	61	<10	462
CC74456		<20	0.01	<10	<10	40	<10	1195
CC74457		<20	0.01	<10	<10	34	<10	115
CC74458		<20	0.01	<10	<10	33	<10	104
CC74459		<20	0.03	<10	<10	75	<10	137
CC74460		<20	0.01	<10	<10	83	<10	642
CC74461		<20	0.03	<10	<10	85	<10	194
CC74462		<20	0.01	<10	<10	215	<10	45
CC74463		<20	0.06	<10	<10	76	<10	71
CC74464		<20	0.02	<10	<10	226	<10	136
CC74465		<20	0.02	<10	<10	585	<10	82
CC74466		<20	0.04	<10	<10	262	<10	109
CC74467		<20	0.02	<10	50	226	<10	228
CC74468		<20	0.03	<10	<10	166	<10	48
CC74469		<20	0.02	<10	10	266	<10	80
CC74470		<20	0.01	<10	50	308	<10	111
CC74471		<20	0.01	<10	<10	70	<10	48
CC74472		<20	0.01	<10	<10	44	<10	663
CC74473		<20	0.01	<10	10	31	<10	952
CC74474		<20	0.04	<10	<10	191	<10	65
CC74475		<20	0.04	<10	<10	277	<10	123
CC74476		<20	0.04	<10	<10	221	<10	66
CC74477		<20	0.03	<10	20	177	<10	103
CC74478		<20	0.03	<10	20	281	<10	97
CC74479		<20	0.02	<10	20	216	<10	55
CC74480		<20	0.01	<10	<10	66	<10	191
CC74481		<20	0.03	<10	<10	83	<10	127
CC74482		<20	0.01	<10	10	60	<10	517
CC74483		<20	0.02	<10	<10	61	<10	176
CC74484		<20	0.03	<10	<10	58	<10	147
CC74485		<20	0.02	<10	<10	62	<10	146

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
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Project: RAU

CERTIFICATE OF ANALYSIS VA10076144

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC74486		0.30	0.001	<0.2	2.61	9	<10	140	<0.5	<2	0.01	0.6	13	33	31	4.38
CC74487		0.30	0.002	<0.2	2.12	21	<10	310	0.7	<2	0.03	2.7	15	32	68	4.02
CC74488		0.20	0.003	1.0	2.50	16	<10	710	0.6	<2	0.05	1.1	11	35	48	3.33
CC74489		0.28	0.001	0.3	1.94	32	<10	2210	0.6	<2	0.09	16.2	10	38	233	3.32
CC74490		0.20	0.005	1.8	1.66	48	<10	810	0.7	<2	0.03	2.9	10	38	121	2.80
CC74491		0.28	0.001	2.6	1.39	19	<10	260	<0.5	<2	0.04	0.6	3	45	16	2.36
CC74492		0.22	0.003	7.4	2.28	33	<10	530	0.9	<2	0.12	0.9	8	57	105	2.92
CC74493		0.20	0.002	2.4	1.59	24	<10	760	0.6	<2	0.06	1.6	2	49	192	2.35
CC74494		0.22	0.004	1.6	1.43	29	<10	380	0.5	<2	0.11	0.9	3	47	38	2.49
CC74495		0.18	0.002	2.0	0.90	10	<10	1060	0.8	<2	0.06	13.0	2	28	138	1.45
CC74496		0.12	0.001	0.3	0.98	47	<10	120	<0.5	<2	0.05	0.9	3	24	60	2.32
CC74497		0.18	0.002	0.8	0.88	56	<10	140	<0.5	<2	0.04	1.0	2	26	32	2.98
CC74498		0.14	0.028	1.4	1.12	59	<10	290	0.5	9	1.28	13.4	12	16	41	3.49
CC74499		0.16	0.022	1.7	1.31	845	<10	210	0.5	15	0.42	2.5	20	24	86	5.36
CC74500		0.12	0.001	0.6	1.41	24	<10	210	<0.5	<2	0.06	1.2	4	36	13	3.22
CC74501		0.16	0.004	1.4	1.81	30	<10	260	0.5	<2	0.10	2.4	6	48	57	3.34
CC74502		0.18	0.001	0.5	1.57	31	<10	220	0.5	<2	0.11	1.0	7	43	78	2.61
CC74503		0.22	0.005	0.3	1.62	20	<10	230	<0.5	<2	0.12	0.5	4	39	54	2.47
CC74504		0.12	<0.001	1.4	0.56	18	<10	230	<0.5	<2	0.08	1.2	1	34	83	1.87
CC74505		0.14	0.003	0.9	1.01	12	<10	160	<0.5	<2	0.08	0.9	1	25	39	1.59
CC74506		0.18	0.019	1.9	0.60	75	<10	190	<0.5	<2	0.05	6.9	4	25	89	2.47
CC74507		0.14	0.005	0.3	1.08	36	<10	120	<0.5	<2	0.04	0.7	5	19	18	2.76
CC74508		0.18	0.103	3.1	0.61	108	<10	190	0.5	39	0.11	13.5	9	17	140	4.77
CC74509		0.18	0.001	0.8	0.85	147	<10	210	<0.5	3	0.45	8.9	32	15	77	7.08
CC74510		0.20	0.010	1.0	0.82	48	<10	70	<0.5	<2	0.03	0.5	2	13	11	2.37
CC74511		0.32	0.002	2.3	1.33	27	<10	210	<0.5	<2	0.10	18.5	4	23	36	2.63
CC74512		0.18	0.003	1.0	1.11	16	<10	150	<0.5	2	0.08	1.6	2	24	49	1.71
CC74513		0.20	0.002	1.2	1.26	24	<10	200	<0.5	<2	0.07	0.6	2	36	39	2.86
CC74514		0.26	0.001	2.5	2.22	14	<10	190	<0.5	<2	0.08	0.8	6	34	17	3.37
CC74515		0.24	<0.001	0.9	0.86	19	<10	350	<0.5	<2	0.06	1.5	1	45	61	1.52
CC74516		0.28	0.001	6.0	0.95	120	<10	3570	0.5	<2	0.08	6.6	7	44	145	2.93
CC74517		0.24	0.014	1.5	1.24	22	<10	530	0.5	<2	0.10	0.8	3	52	60	2.17
CC74518		0.22	0.030	2.9	0.55	61	<10	1270	<0.5	2	0.29	5.1	2	33	48	1.63
CC74519		0.22	<0.001	1.8	1.76	24	<10	360	<0.5	<2	0.07	0.5	5	28	13	3.00
CC74520		0.28	0.001	2.8	1.56	23	<10	580	<0.5	<2	0.06	<0.5	3	27	11	2.95
CC74521		0.34	0.001	7.1	2.98	20	<10	580	0.5	<2	0.10	1.1	6	40	34	4.01
CC74522		0.34	0.009	1.3	1.46	5	<10	180	0.5	2	0.11	2.6	14	27	99	4.78
CC74523		0.32	<0.001	<0.2	2.61	9	<10	130	<0.5	<2	0.02	<0.5	12	32	20	4.97
CC74524		0.26	0.004	0.2	2.82	17	<10	190	0.7	<2	0.07	0.6	18	37	46	4.54
CC74525		0.36	0.002	<0.2	2.53	15	<10	290	0.7	<2	0.06	<0.5	15	43	35	4.02

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Project: RAU

CERTIFICATE OF ANALYSIS VA10076144

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC74486		10	<1	0.10	30	0.84	951	1	0.01	32	210	17	0.01	<2	2	6
CC74487		10	<1	0.13	30	0.64	610	7	<0.01	64	530	26	0.01	3	3	9
CC74488		10	<1	0.07	20	0.37	335	8	0.01	23	680	17	0.02	2	3	17
CC74489		<10	<1	0.07	10	0.33	337	20	0.03	126	760	16	0.05	21	3	19
CC74490		<10	1	0.13	20	0.27	324	30	0.01	84	830	70	0.05	24	3	43
CC74491		10	<1	0.07	20	0.14	111	25	0.01	10	1070	19	0.04	8	2	50
CC74492		<10	2	0.10	10	0.39	250	13	0.01	25	1430	24	0.03	12	4	54
CC74493		<10	<1	0.11	20	0.11	95	31	0.01	93	1470	17	0.02	9	2	92
CC74494		10	1	0.10	10	0.16	116	28	0.01	19	1120	36	0.05	8	2	70
CC74495		<10	<1	0.07	10	0.05	93	11	0.01	18	1060	26	0.05	5	<1	42
CC74496		10	<1	0.08	10	0.12	138	19	0.01	25	840	18	0.03	5	1	37
CC74497		10	<1	0.10	20	0.11	128	24	0.01	26	730	24	0.02	7	1	44
CC74498		<10	<1	0.10	10	0.27	1525	9	0.02	89	1190	326	0.09	30	3	41
CC74499		<10	<1	0.10	10	0.28	727	7	0.01	167	850	160	0.05	31	5	27
CC74500		10	<1	0.09	20	0.20	409	12	0.01	13	810	14	0.05	4	1	28
CC74501		10	<1	0.11	10	0.33	288	17	0.02	30	1020	12	0.04	6	2	36
CC74502		<10	<1	0.09	20	0.33	232	12	0.01	23	840	15	0.04	8	2	25
CC74503		10	1	0.12	20	0.32	163	8	0.01	17	1270	15	0.04	3	1	34
CC74504		<10	<1	0.18	10	0.06	105	41	<0.01	28	830	17	0.08	5	<1	28
CC74505		<10	<1	0.09	10	0.11	73	10	0.01	9	850	14	0.03	<2	<1	54
CC74506		<10	<1	0.17	20	0.05	84	48	<0.01	103	1110	48	0.02	17	1	107
CC74507		10	<1	0.14	20	0.11	124	5	<0.01	32	330	61	<0.01	11	2	12
CC74508		<10	<1	0.17	20	0.08	384	22	<0.01	123	1280	247	0.01	82	3	36
CC74509		10	<1	0.10	10	0.12	905	2	0.01	160	890	46	0.02	4	4	21
CC74510		10	<1	0.07	10	0.08	102	3	<0.01	14	430	32	<0.01	8	1	9
CC74511		<10	<1	0.08	10	0.18	195	16	<0.01	28	870	23	0.01	4	1	40
CC74512		<10	<1	0.10	10	0.19	84	14	0.01	10	760	11	0.02	<2	1	36
CC74513		10	<1	0.09	10	0.16	170	14	<0.01	12	960	15	0.01	3	2	51
CC74514		10	<1	0.07	10	0.39	321	4	<0.01	12	590	15	<0.01	<2	3	15
CC74515		<10	<1	0.15	20	0.08	52	22	<0.01	10	1530	21	0.05	3	<1	97
CC74516		<10	<1	0.10	10	0.08	860	69	<0.01	169	1590	329	0.09	36	1	18
CC74517		<10	<1	0.16	20	0.21	134	25	0.01	13	2000	16	0.08	6	2	124
CC74518		<10	<1	0.07	10	0.11	112	38	<0.01	43	740	39	0.01	21	<1	22
CC74519		10	<1	0.07	10	0.24	196	10	<0.01	10	770	13	0.01	3	2	14
CC74520		10	<1	0.06	10	0.20	126	12	<0.01	5	800	14	0.01	3	2	11
CC74521		10	<1	0.06	10	0.39	258	5	<0.01	13	1000	17	0.01	<2	3	17
CC74522		<10	<1	0.13	20	0.22	479	22	<0.01	79	1120	20	0.01	<2	1	10
CC74523		10	<1	0.09	30	0.77	738	<1	<0.01	27	220	7	<0.01	<2	2	6
CC74524		10	<1	0.11	30	0.66	832	2	<0.01	37	670	28	0.01	<2	2	12
CC74525		10	<1	0.10	20	0.74	477	2	<0.01	42	320	21	<0.01	<2	4	9

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Project: RAU

CERTIFICATE OF ANALYSIS VA10076144

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC74486		<20	0.01	<10	<10	32	<10	95
CC74487		<20	0.01	<10	<10	57	<10	243
CC74488		<20	0.03	<10	<10	96	<10	118
CC74489		<20	0.03	<10	<10	182	<10	730
CC74490		<20	0.01	<10	<10	285	<10	670
CC74491		<20	0.03	<10	<10	525	<10	84
CC74492		<20	0.03	<10	<10	265	<10	116
CC74493		<20	0.02	<10	10	489	<10	278
CC74494		<20	0.03	<10	<10	478	<10	102
CC74495		<20	0.01	<10	10	111	<10	57
CC74496		<20	0.03	<10	<10	135	<10	83
CC74497		<20	0.05	<10	<10	193	<10	124
CC74498		<20	0.01	<10	<10	38	<10	671
CC74499		<20	0.02	<10	<10	51	<10	586
CC74500		<20	0.04	<10	<10	335	<10	105
CC74501		<20	0.04	<10	<10	208	<10	153
CC74502		<20	0.03	<10	<10	166	<10	100
CC74503		<20	0.02	<10	<10	172	<10	70
CC74504		<20	0.02	<10	<10	265	<10	67
CC74505		<20	0.02	<10	<10	115	<10	35
CC74506		<20	0.01	<10	<10	107	<10	316
CC74507		<20	0.02	<10	<10	53	<10	186
CC74508		<20	0.01	<10	<10	63	<10	958
CC74509		<20	0.02	<10	<10	39	10	358
CC74510		<20	0.03	<10	<10	55	<10	84
CC74511		<20	0.04	<10	<10	97	<10	146
CC74512		<20	0.03	<10	<10	113	<10	47
CC74513		<20	0.05	<10	<10	191	<10	61
CC74514		<20	0.05	<10	<10	93	<10	73
CC74515		<20	0.01	<10	10	369	<10	62
CC74516		<20	0.01	<10	<10	559	<10	822
CC74517		<20	0.02	<10	10	320	<10	53
CC74518		<20	0.02	<10	<10	537	<10	294
CC74519		<20	0.04	<10	<10	104	<10	64
CC74520		<20	0.04	<10	<10	147	<10	28
CC74521		<20	0.04	<10	<10	86	<10	89
CC74522		<20	0.02	<10	<10	71	<10	571
CC74523		<20	0.01	<10	<10	31	<10	85
CC74524		<20	0.02	<10	<10	55	<10	133
CC74525		<20	0.04	<10	<10	61	<10	114

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Project: RAU

CERTIFICATE OF ANALYSIS VA10076144

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC74526		0.10	0.002	1.2	0.51	44	<10	1310	<0.5	2	0.14	3.6	2	27	54	1.94
CC74527		0.10	0.002	1.7	1.12	23	<10	540	0.5	<2	0.08	0.7	1	61	52	2.07
CC74528		0.16	0.009	0.7	0.42	21	<10	270	<0.5	<2	0.02	<0.5	<1	38	9	1.69
CC74529		0.14	<0.001	1.8	2.35	16	<10	160	0.5	2	0.09	0.6	7	36	15	3.84
CC74530		0.10	0.001	3.3	1.07	39	<10	170	<0.5	<2	0.05	0.6	1	38	25	4.08
CC74531		0.14	<0.001	0.8	0.84	25	<10	130	<0.5	<2	0.05	0.6	2	25	18	1.76
CC74532		0.08	0.002	0.9	0.51	54	<10	110	<0.5	<2	0.08	3.5	4	38	116	2.20
CC74533		0.06	0.006	0.4	1.23	73	<10	150	<0.5	<2	0.10	1.5	5	24	23	3.79
CC74534		0.16	0.043	3.7	1.50	993	<10	250	0.6	138	0.10	6.9	45	31	108	8.83
CC74535		0.32	0.255	2.4	0.88	44	<10	150	<0.5	4	0.09	8.7	4	20	37	2.38
CC74536		0.32	0.004	0.5	0.69	44	<10	80	<0.5	2	0.03	0.9	5	14	24	2.63
CC74537		0.32	0.004	1.0	1.51	63	<10	270	0.6	<2	0.10	3.1	8	28	97	3.21
CC74538		0.28	0.007	0.9	0.90	36	<10	150	<0.5	2	0.05	1.3	2	29	43	2.21
CC74539		0.30	<0.001	0.6	0.54	33	<10	200	<0.5	<2	0.02	2.5	1	27	162	2.26
CC74540		0.32	0.001	0.3	0.72	22	<10	220	<0.5	<2	0.08	1.0	2	28	108	1.50
CC74541		0.34	0.004	0.3	0.12	6	<10	210	<0.5	<2	0.01	<0.5	<1	19	40	0.87
CC74542		0.48	0.004	1.0	1.99	24	<10	680	0.7	<2	0.07	1.1	9	34	41	2.86
CC74543		0.40	0.003	2.3	1.70	31	<10	420	<0.5	<2	0.06	1.4	5	39	62	2.70
CC74544		0.60	0.003	0.7	1.53	41	<10	1040	0.5	<2	0.11	5.9	9	31	127	2.85
CC74545		0.32	0.008	2.2	0.99	50	<10	2150	0.5	<2	0.32	3.8	2	39	234	3.41
CC74546		0.42	0.002	0.9	0.46	20	<10	2780	<0.5	<2	0.03	1.2	2	16	103	1.17
CC74547		0.30	0.010	2.2	0.37	24	<10	90	<0.5	<2	0.02	<0.5	3	7	13	1.85
CC74548		0.32	0.002	0.3	1.75	7	<10	90	<0.5	<2	0.16	<0.5	14	20	39	4.48
CC74549		0.38	<0.001	0.6	2.62	14	<10	120	<0.5	<2	0.03	<0.5	15	32	43	4.71
CC74550		0.28	0.003	0.2	2.87	21	<10	80	<0.5	2	0.03	<0.5	16	39	24	5.04
CC74551		0.34	0.001	0.4	2.19	22	<10	190	0.6	2	0.03	<0.5	14	31	30	4.11
CC74552		0.10	0.006	1.6	0.26	192	<10	70	<0.5	<2	0.04	1.7	7	10	25	2.73
CC74553		0.22	0.003	0.4	1.23	23	<10	350	0.5	<2	0.12	22.8	4	32	193	1.90
CC74554		0.16	0.002	3.9	1.65	27	<10	490	<0.5	<2	0.11	0.7	5	48	22	3.12
CC74555		0.20	0.003	2.4	1.72	30	<10	490	0.8	<2	0.08	1.0	5	49	98	3.12
CC74556		0.14	0.001	0.9	2.06	35	<10	2870	0.9	2	0.12	3.6	6	45	269	3.05
CC74557		0.18	0.003	1.6	2.21	29	<10	290	0.5	2	0.08	0.7	6	46	31	3.43
CC74558		0.20	0.002	0.7	1.09	30	<10	380	<0.5	<2	0.06	1.8	2	40	80	1.84
CC74559		0.18	0.003	0.8	0.76	25	<10	300	<0.5	<2	0.12	0.9	2	33	66	1.66
CC74560		0.08	0.003	1.0	1.09	44	<10	220	<0.5	<2	0.34	5.1	5	22	49	3.13
CC74572		0.18	<0.001	1.0	0.73	48	<10	160	<0.5	<2	0.05	0.8	2	23	65	1.64
CC74573		0.12	0.002	0.3	3.14	42	<10	540	0.6	<2	0.51	4.1	32	137	66	6.50
CC74574		0.18	<0.001	<0.2	1.42	17	<10	170	<0.5	<2	0.11	<0.5	7	45	15	2.74
CC74575		0.18	<0.001	0.6	1.51	7	<10	210	<0.5	2	0.12	<0.5	5	43	9	2.34
CC74576		0.08	0.011	0.6	1.91	3	<10	680	0.5	<2	1.92	0.6	9	40	33	3.14

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10076144

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC74526		<10	<1	0.10	10	0.05	119	47	<0.01	76	620	186	0.02	19	<1	16
CC74527		<10	<1	0.23	20	0.12	91	25	0.01	11	1920	17	0.10	5	<1	138
CC74528		<10	<1	0.10	10	0.05	77	16	<0.01	4	1680	10	0.02	5	1	24
CC74529		10	<1	0.09	10	0.41	341	4	<0.01	15	590	14	<0.01	<2	4	13
CC74530		10	<1	0.12	10	0.13	138	19	<0.01	8	1050	15	0.02	4	1	38
CC74531		10	<1	0.12	20	0.08	112	15	0.01	10	700	10	0.01	<2	1	28
CC74532		<10	<1	0.15	10	0.03	151	37	0.01	84	1020	28	0.02	7	<1	72
CC74533		<10	<1	0.12	20	0.18	211	6	0.02	28	500	129	0.01	21	2	15
CC74534		<10	<1	0.17	10	0.22	1175	13	<0.01	273	1000	621	0.02	137	5	27
CC74535		<10	<1	0.10	20	0.13	134	24	<0.01	36	710	939	0.01	343	1	36
CC74536		<10	<1	0.09	20	0.07	102	30	<0.01	31	590	142	<0.01	18	<1	16
CC74537		<10	<1	0.12	20	0.35	307	23	<0.01	52	1010	37	0.01	12	3	66
CC74538		10	<1	0.15	20	0.10	122	44	<0.01	25	780	16	0.02	7	1	48
CC74539		<10	<1	0.19	20	0.03	47	101	<0.01	39	820	13	0.07	8	1	26
CC74540		<10	<1	0.08	20	0.12	64	17	0.01	23	1190	15	0.03	7	1	61
CC74541		<10	1	0.11	10	0.01	25	20	0.01	3	290	5	0.18	3	<1	23
CC74542		<10	<1	0.09	20	0.39	260	10	0.02	25	620	17	0.03	6	3	29
CC74543		<10	<1	0.09	20	0.28	174	21	0.01	30	1030	18	0.05	11	2	71
CC74544		<10	<1	0.08	10	0.42	415	29	0.02	71	840	100	0.06	9	4	20
CC74545		<10	<1	0.13	10	0.08	132	42	0.01	55	3870	28	0.14	42	3	310
CC74546		<10	<1	0.04	10	0.05	62	51	0.01	15	650	11	0.13	24	1	133
CC74547		<10	<1	0.05	20	0.08	94	3	0.01	11	330	31	0.06	<2	1	10
CC74548		10	<1	0.04	20	0.78	528	<1	0.01	21	1290	9	0.02	<2	2	12
CC74549		10	<1	0.03	30	0.84	690	<1	0.01	35	230	20	0.02	2	2	5
CC74550		10	<1	0.02	10	0.90	991	<1	0.01	29	400	12	0.03	2	2	3
CC74551		10	<1	0.06	20	0.58	414	2	0.01	33	470	21	0.03	<2	2	5
CC74552		<10	<1	0.02	10	0.02	101	177	0.02	204	860	418	0.04	12	<1	13
CC74553		<10	<1	0.04	20	0.14	300	28	0.01	140	1450	12	0.14	7	2	108
CC74554		10	<1	0.04	20	0.24	219	14	0.01	21	2300	16	0.06	9	2	49
CC74555		<10	1	0.15	20	0.25	205	33	0.02	26	1060	20	0.09	7	4	82
CC74556		10	<1	0.12	20	0.28	244	30	0.02	89	1940	16	0.07	8	4	178
CC74557		10	<1	0.09	10	0.37	217	11	0.02	21	620	28	0.03	3	4	45
CC74558		<10	<1	0.11	20	0.14	73	21	0.02	24	1000	33	0.04	7	2	63
CC74559		<10	<1	0.10	20	0.14	88	19	0.02	25	1070	33	0.05	6	1	62
CC74560		10	<1	0.12	10	0.18	333	14	0.03	34	800	62	0.05	9	1	37
CC74572		<10	<1	0.16	10	0.10	100	23	0.03	23	890	17	0.10	12	1	28
CC74573		10	<1	0.11	10	1.89	4480	6	0.03	149	810	21	0.03	9	11	58
CC74574		10	<1	0.07	10	0.42	280	3	0.03	27	350	14	0.02	<2	2	22
CC74575		10	<1	0.07	10	0.33	128	1	0.03	18	210	11	0.02	<2	2	15
CC74576		10	<1	0.19	10	1.31	690	<1	0.04	30	1050	7	0.09	<2	3	66

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To: **ATAC RESOURCES LTD.**
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Project: RAU

Finalized Date: 28-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10076144

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC74526		<20	0.01	<10	<10	422	<10	431
CC74527		<20	0.01	<10	10	331	<10	36
CC74528		<20	0.02	<10	<10	172	<10	21
CC74529		<20	0.06	<10	<10	96	<10	72
CC74530		<20	0.04	<10	<10	300	<10	44
CC74531		<20	0.03	<10	<10	130	<10	38
CC74532		<20	0.01	<10	10	72	<10	198
CC74533		<20	0.02	<10	<10	56	<10	156
CC74534		<20	0.02	<10	<10	81	<10	1240
CC74535		<20	0.02	<10	<10	73	<10	263
CC74536		<20	0.01	<10	<10	57	<10	265
CC74537		<20	0.04	<10	10	98	<10	246
CC74538		<20	0.03	<10	<10	198	<10	102
CC74539		<20	0.02	<10	10	310	<10	101
CC74540		<20	0.01	<10	10	214	<10	84
CC74541		<20	0.01	<10	<10	53	<10	7
CC74542		<20	0.03	<10	<10	158	<10	110
CC74543		<20	0.03	<10	<10	385	<10	169
CC74544		<20	0.04	<10	<10	261	<10	480
CC74545		<20	0.02	<10	10	349	<10	323
CC74546		<20	<0.01	10	<10	211	<10	150
CC74547		<20	0.01	<10	<10	12	<10	58
CC74548		<20	0.01	<10	<10	31	<10	97
CC74549		<20	0.01	<10	<10	29	<10	96
CC74550		<20	0.01	<10	<10	30	<10	94
CC74551		<20	0.02	<10	<10	47	<10	134
CC74552		<20	0.01	<10	<10	60	<10	763
CC74553		<20	0.01	<10	10	579	<10	572
CC74554		<20	0.03	<10	<10	166	<10	107
CC74555		<20	0.02	<10	10	327	<10	216
CC74556		<20	0.03	<10	20	301	<10	366
CC74557		<20	0.05	<10	<10	201	<10	82
CC74558		<20	0.02	<10	<10	304	<10	107
CC74559		<20	0.02	<10	<10	197	<10	105
CC74560		<20	0.03	<10	<10	98	<10	210
CC74572		<20	0.02	<10	<10	293	<10	100
CC74573		<20	0.07	<10	<10	142	<10	453
CC74574		<20	0.09	<10	<10	79	10	52
CC74575		<20	0.10	<10	<10	67	<10	23
CC74576		<20	0.04	<10	<10	52	<10	118

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 28-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10076144

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC74577		0.08	0.002	0.3	2.65	14	<10	480	0.5	<2	0.22	0.5	23	96	66	6.12
CC74578		0.26	<0.001	1.0	2.19	16	<10	210	<0.5	<2	0.07	0.5	16	33	9	3.71
CC74579		0.12	<0.001	0.5	1.49	12	<10	180	<0.5	<2	0.05	<0.5	4	22	13	2.65
CC74580		0.40	0.002	0.2	1.97	18	<10	160	0.5	2	0.03	<0.5	17	25	37	3.95
CC74581		0.48	<0.001	<0.2	2.32	12	<10	130	0.5	<2	0.03	<0.5	14	31	30	4.35
CC74582		0.18	<0.001	0.4	1.36	5	<10	150	<0.5	<2	0.11	<0.5	6	18	26	3.66
CC74583		0.16	<0.001	0.9	0.81	3	<10	190	<0.5	<2	0.04	1.5	9	15	38	2.47
CC74584		0.24	0.002	2.1	0.71	28	<10	890	<0.5	<2	0.07	2.6	3	31	40	2.08
CC74585		0.10	0.004	1.6	1.36	10	<10	2560	<0.5	<2	0.18	6.1	5	23	53	2.70
CC74586		0.26	0.004	0.2	0.56	7	<10	180	<0.5	<2	0.04	0.6	2	21	16	1.46
CC74587		0.30	0.001	0.8	1.36	15	<10	210	<0.5	<2	0.06	<0.5	3	44	23	1.98
CC74588		0.14	0.001	2.2	1.49	39	<10	340	0.5	2	0.25	1.1	3	40	61	2.53
CC74589		0.22	0.002	1.3	1.56	106	<10	310	1.4	<2	0.13	12.5	8	59	875	7.53
CC74590		0.20	0.001	2.2	1.12	36	<10	410	1.5	<2	1.04	10.2	1	38	83	1.13
CC74591		0.18	0.002	0.2	0.74	30	<10	230	<0.5	<2	0.07	<0.5	1	26	14	2.18
CC74592		0.12	0.013	1.9	0.90	12	<10	420	<0.5	2	0.04	4.9	1	22	93	1.15
CC74593		0.08	0.010	0.9	0.71	19	<10	290	<0.5	<2	0.07	2.3	1	19	48	1.17
CC74595		0.30	0.001	0.9	1.22	11	<10	200	<0.5	<2	0.05	<0.5	4	24	19	1.81
CC74596		0.14	0.003	2.5	0.95	12	<10	200	<0.5	<2	0.05	<0.5	2	47	10	1.79
CC74597		0.22	0.002	2.3	1.44	31	<10	370	0.5	<2	0.20	1.0	4	40	75	2.49
CC74598		0.24	0.001	1.0	1.20	54	<10	1600	1.6	<2	0.08	7.3	4	73	308	3.66
CC74599		0.14	0.005	1.0	1.51	9	<10	910	1.8	<2	0.50	3.8	<1	40	75	0.69
CC74600		0.16	0.001	0.7	1.46	23	<10	210	<0.5	<2	0.08	0.6	4	28	24	2.34
CC74601		0.12	0.005	0.6	0.64	5	<10	240	<0.5	<2	0.06	2.5	1	27	24	1.05
CC74602		0.06	0.016	1.4	0.95	46	<10	420	<0.5	<2	0.08	4.4	3	28	69	1.76
CC74603		0.08	0.006	1.4	0.64	89	<10	490	<0.5	<2	3.70	7.0	9	12	44	1.63
CC74604		0.10	<0.001	1.2	0.90	45	<10	740	<0.5	<2	1.17	3.8	23	23	41	2.59
CC74605		0.30	0.005	0.4	1.83	27	<10	180	<0.5	2	0.06	<0.5	11	29	20	3.42
CC74606		0.24	<0.001	0.2	2.28	20	<10	260	0.7	<2	0.13	0.9	12	30	17	3.98
CC74607		0.32	0.003	0.3	2.17	18	<10	190	0.6	<2	0.06	0.6	18	29	21	4.10
CC74608		0.32	0.001	<0.2	2.49	16	<10	130	0.5	2	0.03	<0.5	16	33	58	4.79
CC74609		0.18	0.001	3.1	2.19	7	<10	160	0.5	2	0.08	0.6	8	26	13	2.77
CC74610		0.34	0.001	4.0	1.00	30	<10	1350	0.6	<2	1.66	4.3	1	59	238	1.75
CC74611		0.26	0.002	1.3	1.72	29	<10	2110	0.5	<2	0.12	1.5	5	32	93	3.18
CC74612		0.28	0.003	2.5	2.03	15	<10	250	<0.5	<2	0.07	0.7	5	29	13	3.14
CC74613		0.30	<0.001	0.5	0.28	5	<10	160	<0.5	2	0.02	<0.5	1	20	10	0.86
CC74614		0.28	0.002	2.7	2.09	28	<10	220	0.5	<2	0.10	0.5	5	52	28	3.24
CC74615		0.26	0.002	2.6	1.96	24	<10	820	0.7	<2	0.15	3.7	5	37	56	2.64
CC74616		0.24	0.003	1.8	1.87	40	<10	510	0.5	<2	0.11	2.9	6	37	156	3.23
CC74617		0.26	0.002	1.4	1.08	39	<10	560	0.5	<2	0.11	1.0	3	31	63	1.97

***** See Appendix Page for comments regarding this certificate *****

ALS Chemex
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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 28-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10076144

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC74577		10	<1	0.13	10	1.22	671	2	0.03	98	980	18	0.03	<2	5	30
CC74578		10	<1	0.06	10	0.28	1280	1	<0.01	10	530	23	<0.01	<2	2	8
CC74579		10	<1	0.10	20	0.19	210	1	0.01	9	630	24	0.01	<2	1	10
CC74580		10	<1	0.11	40	0.59	925	1	<0.01	33	330	23	<0.01	<2	2	8
CC74581		10	<1	0.09	20	0.70	586	1	<0.01	32	220	15	<0.01	<2	2	5
CC74582		10	<1	0.12	20	0.41	332	1	<0.01	12	1240	10	0.03	<2	1	13
CC74583		<10	<1	0.15	10	0.06	242	2	0.03	34	1120	12	0.55	<2	<1	9
CC74584		<10	<1	0.15	10	0.09	306	45	0.02	26	1400	25	0.17	21	<1	128
CC74585		<10	<1	0.11	10	0.26	169	11	0.03	46	1690	18	0.12	4	1	55
CC74586		10	<1	0.06	10	0.04	85	15	0.02	16	430	12	0.03	<2	<1	14
CC74587		10	<1	0.09	20	0.25	127	7	0.01	18	560	15	0.03	3	2	35
CC74588		<10	1	0.16	20	0.25	166	13	0.02	29	2470	19	0.04	12	2	159
CC74589		10	<1	0.09	20	0.09	136	75	0.01	593	2750	16	0.02	28	3	32
CC74590		<10	3	0.09	30	0.05	84	15	0.01	21	9900	32	0.04	14	2	872
CC74591		<10	<1	0.12	20	0.09	89	14	0.02	10	1170	31	0.03	4	1	171
CC74592		<10	<1	0.10	20	0.06	44	11	0.02	9	610	20	0.03	<2	1	71
CC74593		<10	<1	0.09	10	0.05	41	17	0.03	14	1130	44	0.05	3	<1	58
CC74595		<10	<1	0.12	20	0.19	223	64	0.02	18	470	15	0.01	5	2	15
CC74596		10	<1	0.10	20	0.12	104	7	0.02	11	530	16	0.03	4	1	22
CC74597		<10	1	0.16	20	0.26	186	17	0.02	25	2620	20	0.05	6	3	206
CC74598		<10	<1	0.12	40	0.13	82	46	0.02	194	2290	43	0.07	18	7	218
CC74599		<10	1	0.07	40	0.05	50	12	0.01	12	8420	107	0.05	11	4	2130
CC74600		10	1	0.11	20	0.20	165	14	0.01	16	780	17	0.03	<2	2	69
CC74601		<10	<1	0.11	20	0.06	56	10	0.02	9	490	12	0.02	<2	<1	18
CC74602		<10	<1	0.13	10	0.07	61	29	0.03	40	1320	110	0.06	13	<1	84
CC74603		<10	<1	0.08	<10	0.32	830	3	0.04	59	1320	31	0.18	9	2	79
CC74604		<10	<1	0.09	10	0.34	3360	20	0.03	29	1550	28	0.10	8	2	54
CC74605		<10	<1	0.09	20	0.47	698	2	0.02	25	460	20	0.02	<2	2	9
CC74606		10	<1	0.12	20	0.44	831	2	0.02	28	420	22	0.02	<2	3	12
CC74607		10	<1	0.11	20	0.44	1865	1	0.02	18	570	18	0.02	<2	2	10
CC74608		10	<1	0.11	20	0.66	811	<1	0.02	32	290	13	0.01	<2	2	7
CC74609		10	<1	0.10	10	0.27	216	1	0.02	12	450	15	0.02	<2	2	10
CC74610		<10	<1	0.20	20	0.10	60	14	0.02	32	9150	11	0.06	23	1	255
CC74611		10	<1	0.11	20	0.25	212	19	0.02	18	1520	14	0.06	16	2	145
CC74612		10	<1	0.06	10	0.25	273	5	0.02	20	500	18	0.02	2	2	11
CC74613		<10	<1	0.09	10	0.03	57	41	0.01	1	230	6	0.01	5	1	7
CC74614		10	<1	0.10	20	0.33	262	8	0.02	13	1430	14	0.03	5	3	44
CC74615		<10	<1	0.07	10	0.27	221	12	0.02	28	1800	11	0.03	9	2	205
CC74616		<10	1	0.09	10	0.34	229	23	0.02	47	950	18	0.02	8	3	38
CC74617		<10	<1	0.10	20	0.11	125	31	0.01	23	2020	44	0.06	10	2	298

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10076144

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC74577		<20	0.13	<10	<10	107	<10	122
CC74578		<20	0.04	<10	<10	78	<10	96
CC74579		<20	0.02	<10	<10	55	<10	44
CC74580		<20	0.01	<10	<10	28	<10	106
CC74581		<20	0.01	<10	<10	31	<10	85
CC74582		<20	0.02	<10	<10	49	<10	70
CC74583		<20	0.01	<10	<10	30	<10	124
CC74584		<20	0.01	<10	<10	350	<10	165
CC74585		<20	0.01	<10	<10	88	<10	191
CC74586		<20	0.02	<10	<10	164	<10	75
CC74587		<20	0.04	<10	<10	199	<10	84
CC74588		<20	0.02	<10	10	276	<10	137
CC74589		<20	0.02	<10	50	316	<10	2060
CC74590		<20	<0.01	10	280	685	<10	142
CC74591		<20	0.03	<10	20	349	<10	67
CC74592		<20	0.02	<10	10	152	<10	36
CC74593		<20	0.01	<10	<10	109	<10	77
CC74595		<20	0.02	<10	<10	237	<10	116
CC74596		<20	0.03	<10	<10	164	<10	43
CC74597		<20	0.03	<10	20	287	<10	133
CC74598		<20	0.01	<10	20	347	<10	984
CC74599		<20	0.01	<10	400	1000	<10	152
CC74600		<20	0.05	<10	10	166	<10	80
CC74601		<20	0.01	<10	<10	87	<10	21
CC74602		<20	0.01	<10	<10	178	<10	176
CC74603		<20	0.01	<10	10	51	<10	220
CC74604		<20	0.01	<10	10	109	<10	171
CC74605		<20	0.02	<10	<10	51	<10	126
CC74606		<20	0.02	<10	<10	57	<10	148
CC74607		<20	0.03	<10	<10	55	<10	79
CC74608		<20	0.02	<10	<10	35	<10	93
CC74609		<20	0.04	<10	<10	66	<10	64
CC74610		<20	0.01	<10	10	146	<10	160
CC74611		<20	0.03	<10	<10	139	<10	158
CC74612		<20	0.04	<10	<10	131	<10	252
CC74613		<20	0.01	<10	<10	378	<10	19
CC74614		<20	0.04	<10	<10	186	<10	68
CC74615		<20	0.03	<10	<10	127	<10	133
CC74616		<20	0.03	<10	10	218	<10	228
CC74617		<20	0.02	<10	20	223	<10	114

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 28-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10076144

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC74618		0.26	0.003	1.1	1.06	47	<10	390	<0.5	2	0.08	1.8	3	37	74	2.44
CC74619		0.10	0.007	1.9	1.22	33	<10	770	0.7	<2	0.09	5.3	3	42	143	1.76
CC74620		0.20	0.003	0.8	0.84	56	<10	360	<0.5	<2	0.08	1.2	2	37	48	2.90
CC74621		0.08	0.019	0.4	0.46	8	<10	1700	<0.5	2	0.34	17.2	2	29	31	1.29
CC74622		0.06	0.001	2.2	0.88	8	<10	290	<0.5	<2	0.10	1.2	1	29	21	1.38
CC74623		0.12	0.016	2.1	0.97	54	<10	470	0.6	<2	0.07	9.9	2	36	265	3.02
CC74624		0.14	0.004	1.3	1.32	45	<10	570	0.6	<2	0.07	1.8	5	42	153	2.81
CC74625		0.10	0.001	1.8	1.43	37	<10	380	<0.5	2	0.14	0.7	2	41	28	2.55
CC74626		0.16	0.002	0.7	0.76	16	<10	230	<0.5	<2	0.05	0.7	1	25	28	1.52
CC74627		0.12	0.002	0.3	0.66	65	<10	180	<0.5	<2	0.06	1.7	3	23	110	1.96
CC74628		0.06	<0.001	0.9	1.29	24	<10	510	0.5	<2	0.07	5.7	2	41	74	1.35
CC74630		0.40	0.020	<0.2	0.20	22	<10	30	<0.5	<2	0.01	<0.5	1	4	8	0.51
CC74631		0.40	0.005	<0.2	1.86	20	<10	220	0.5	<2	0.10	<0.5	11	34	32	3.53
CC74632		0.42	0.001	<0.2	1.72	19	<10	210	<0.5	<2	0.05	<0.5	6	23	15	3.09
CC74633		0.36	0.002	0.3	2.49	21	<10	150	0.6	<2	0.06	<0.5	15	33	34	3.81
CC74634		0.10	0.017	2.6	1.37	10	<10	400	0.6	<2	0.07	1.1	4	18	34	2.76
CC74635		0.26	0.008	4.0	1.62	19	<10	320	0.5	2	0.14	4.4	8	26	48	3.59
CC74636		0.18	0.017	8.9	1.24	21	<10	1220	<0.5	<2	0.15	8.0	3	27	112	2.38
CC74637		0.18	0.004	5.9	1.09	32	<10	440	<0.5	<2	0.20	1.3	4	32	43	2.56
CC74638		0.36	0.002	0.3	0.51	11	<10	760	<0.5	<2	0.03	2.7	2	23	35	1.34
CC74639		0.14	0.008	0.8	0.69	10	<10	200	<0.5	<2	0.03	<0.5	<1	46	13	0.77
CC74640		0.12	0.006	2.8	1.03	24	<10	3650	0.6	<2	0.97	22.3	4	39	241	2.10
CC74641		0.24	0.002	1.5	1.57	34	<10	310	<0.5	<2	0.08	0.7	4	43	63	3.84
CC74642		0.12	<0.001	2.4	0.52	9	<10	190	<0.5	<2	0.05	0.9	1	20	20	0.85
CC74643		0.30	0.006	0.9	1.13	27	<10	340	<0.5	<2	0.11	1.5	4	25	75	1.96
CC74644		0.48	0.010	0.9	0.88	51	<10	340	<0.5	<2	0.17	5.5	6	24	96	2.18
CC74645		0.22	0.004	1.2	1.18	74	<10	500	0.5	<2	0.10	2.6	4	37	74	2.36
CC74646		0.08	0.003	0.7	1.19	25	<10	700	<0.5	<2	1.13	3.9	10	34	51	2.43
CC74647		0.12	0.002	0.5	0.48	10	<10	530	<0.5	<2	2.03	3.9	2	13	39	0.83
CC74648		0.10	0.003	0.9	0.95	31	<10	1070	0.5	<2	1.77	5.3	6	26	80	1.80
CC74649		0.12	0.008	0.5	0.49	28	<10	880	<0.5	<2	0.04	1.9	1	45	39	1.77
CC74650		0.14	0.005	0.9	1.54	38	<10	500	<0.5	<2	0.11	0.7	4	44	25	3.05
CC74651		0.10	0.002	0.3	0.50	41	<10	500	0.5	<2	0.22	5.2	3	23	286	2.89
CC74652		0.10	0.002	1.0	0.91	32	<10	300	<0.5	<2	0.06	2.1	2	50	116	2.64
CC74653		0.16	0.006	1.7	1.06	30	<10	430	0.5	<2	0.07	1.6	2	32	80	1.89
CC74654		0.08	0.003	2.3	1.24	19	<10	400	<0.5	<2	0.07	1.6	2	26	62	1.87
CC74655		0.14	0.002	0.9	1.27	36	<10	370	<0.5	<2	0.08	2.5	4	31	52	2.25
CC74656		0.08	0.004	2.7	1.01	23	<10	970	0.6	<2	1.30	8.2	5	100	112	2.03
CC74657		0.28	0.002	0.3	1.73	23	<10	200	0.5	<2	0.12	0.8	19	67	33	4.88
CC74658		0.42	0.003	<0.2	1.97	25	<10	230	0.5	<2	0.04	<0.5	13	29	34	3.81

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CERTIFICATE OF ANALYSIS VA10076144

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC74618		<10	<1	0.11	20	0.21	136	29	0.02	35	1230	48	0.04	11	2	95
CC74619		<10	<1	0.13	10	0.11	67	17	0.02	31	1400	63	0.05	7	<1	73
CC74620		<10	<1	0.10	10	0.11	115	34	0.02	24	1400	159	0.04	11	1	75
CC74621		<10	<1	0.11	10	0.09	143	11	0.03	31	490	16	0.06	3	1	34
CC74622		<10	<1	0.11	10	0.08	85	3	0.04	8	1150	14	0.04	<2	<1	68
CC74623		<10	1	0.10	10	0.06	66	35	0.02	115	2150	11	0.08	17	<1	42
CC74624		<10	<1	0.15	20	0.18	159	34	0.02	99	1120	53	0.02	14	2	50
CC74625		10	<1	0.13	20	0.16	147	13	0.03	26	1830	34	0.02	4	2	271
CC74626		<10	<1	0.21	20	0.11	120	24	0.02	17	480	19	0.04	3	1	40
CC74627		<10	<1	0.14	20	0.06	108	41	0.02	55	710	38	0.01	10	1	61
CC74628		<10	<1	0.14	10	0.11	63	13	0.03	24	1220	53	0.04	3	<1	68
CC74630		<10	<1	0.04	10	0.03	39	<1	0.01	4	130	203	<0.01	<2	1	3
CC74631		<10	1	0.12	30	0.54	454	1	0.02	36	630	32	<0.01	<2	3	10
CC74632		10	<1	0.07	20	0.30	270	2	0.01	19	240	20	<0.01	<2	2	7
CC74633		<10	1	0.10	20	0.48	463	1	0.01	40	480	24	0.01	<2	3	7
CC74634		<10	<1	0.18	10	0.15	161	2	0.02	22	760	35	0.04	<2	2	8
CC74635		<10	<1	0.14	20	0.35	379	4	0.02	37	940	22	0.04	<2	2	21
CC74636		<10	<1	0.19	20	0.16	166	7	0.03	25	1820	30	0.09	6	2	44
CC74637		<10	<1	0.16	20	0.19	224	8	0.03	26	2700	24	0.05	7	<1	35
CC74638		<10	<1	0.09	20	0.05	69	32	0.02	21	420	24	0.04	2	<1	35
CC74639		<10	<1	0.13	20	0.08	33	13	0.02	8	670	16	0.01	6	<1	22
CC74640		<10	1	0.10	10	0.25	317	17	0.07	112	2160	30	0.10	7	1	123
CC74641		10	<1	0.09	10	0.30	177	18	0.02	43	1080	25	0.01	6	2	44
CC74642		<10	<1	0.09	10	0.04	67	11	0.02	12	610	19	0.02	<2	<1	50
CC74643		<10	2	0.12	20	0.24	200	20	0.02	35	1140	24	0.02	6	3	92
CC74644		<10	1	0.09	20	0.25	254	25	0.02	61	1270	37	0.02	9	3	64
CC74645		<10	<1	0.15	20	0.18	147	32	0.02	46	1290	57	0.04	9	2	100
CC74646		<10	<1	0.22	10	0.87	349	27	0.03	103	1080	12	0.06	4	2	71
CC74647		<10	1	0.05	<10	0.38	181	5	0.04	19	1190	12	0.16	3	1	42
CC74648		<10	<1	0.10	10	0.39	404	10	0.05	41	1520	24	0.13	6	2	57
CC74649		<10	<1	0.14	10	0.04	89	56	0.02	27	1120	50	0.15	9	1	148
CC74650		10	<1	0.12	20	0.26	274	14	0.02	30	1040	28	0.01	7	2	23
CC74651		<10	<1	0.16	10	0.06	115	108	0.04	201	1080	16	0.02	10	1	37
CC74652		<10	1	0.17	20	0.12	148	31	0.02	89	1110	26	0.03	8	<1	51
CC74653		<10	<1	0.17	20	0.17	125	29	0.02	29	1290	33	0.03	5	2	74
CC74654		<10	1	0.13	10	0.15	96	15	0.03	21	1240	24	0.05	4	<1	49
CC74655		<10	<1	0.15	20	0.21	158	21	0.02	30	810	32	0.02	3	2	47
CC74656		<10	<1	0.26	10	0.49	219	18	0.04	113	2300	14	0.09	7	1	109
CC74657		<10	<1	0.17	30	0.69	731	1	0.01	55	1160	112	0.02	6	4	28
CC74658		<10	<1	0.13	30	0.49	503	1	0.02	35	410	36	<0.01	2	3	8

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 28-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10076144

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC74618		<20	0.03	<10	<10	280	10	163
CC74619		<20	0.01	<10	10	282	<10	112
CC74620		<20	0.02	<10	<10	327	<10	121
CC74621		<20	0.02	<10	<10	242	<10	646
CC74622		<20	0.01	<10	<10	116	<10	54
CC74623		<20	<0.01	<10	20	115	<10	546
CC74624		<20	0.01	<10	<10	320	<10	439
CC74625		<20	0.05	<10	10	517	<10	89
CC74626		<20	0.02	<10	<10	223	<10	64
CC74627		<20	0.02	<10	<10	133	<10	195
CC74628		<20	<0.01	<10	<10	226	<10	96
CC74630		<20	<0.01	<10	<10	7	<10	49
CC74631		<20	0.01	<10	<10	43	<10	185
CC74632		<20	0.02	<10	<10	57	<10	69
CC74633		<20	0.01	<10	<10	42	<10	128
CC74634		<20	<0.01	<10	<10	313	<10	65
CC74635		<20	0.01	<10	<10	66	<10	153
CC74636		<20	<0.01	<10	<10	107	<10	114
CC74637		<20	<0.01	<10	<10	113	<10	147
CC74638		<20	0.01	<10	<10	180	<10	82
CC74639		<20	<0.01	<10	<10	330	<10	22
CC74640		<20	<0.01	<10	10	237	<10	1250
CC74641		<20	0.03	<10	<10	220	<10	172
CC74642		<20	0.01	<10	<10	101	<10	49
CC74643		<20	0.03	<10	<10	173	<10	190
CC74644		<20	0.02	<10	<10	146	<10	335
CC74645		<20	0.01	<10	<10	261	<10	218
CC74646		<20	0.02	<10	<10	165	<10	374
CC74647		<20	<0.01	<10	<10	49	<10	68
CC74648		<20	<0.01	<10	<10	106	<10	184
CC74649		<20	<0.01	<10	<10	548	<10	126
CC74650		<20	0.04	<10	<10	408	<10	228
CC74651		<20	<0.01	<10	10	199	<10	924
CC74652		<20	0.01	<10	<10	373	<10	279
CC74653		<20	0.02	<10	10	225	<10	108
CC74654		<20	<0.01	<10	10	165	<10	90
CC74655		<20	0.02	<10	<10	224	<10	152
CC74656		<20	0.02	<10	<10	261	<10	365
CC74657		<20	<0.01	<10	<10	64	<10	760
CC74658		<20	0.01	<10	<10	39	<10	172

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10076144

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC74659		0.50	0.008	<0.2	2.00	22	<10	170	0.5	<2	0.07	<0.5	10	29	31	3.62
CC74660		0.10	0.013	5.0	1.55	10	<10	230	<0.5	<2	0.06	<0.5	9	23	36	3.22
CC74661		0.26	0.003	0.7	2.09	11	<10	200	0.5	2	0.04	<0.5	12	30	46	4.08
CC74662		0.70	0.003	2.0	1.71	19	<10	290	<0.5	<2	0.13	0.7	7	29	49	3.25
CC74663		0.12	0.005	2.6	1.37	15	<10	1060	<0.5	<2	0.31	6.0	5	34	72	2.17
CC74664		0.28	0.025	8.9	1.57	41	<10	450	<0.5	<2	0.24	2.8	9	30	73	3.10
CC74665		0.22	0.005	2.3	0.81	46	<10	450	<0.5	<2	0.07	1.6	4	35	90	2.84
CC74666		0.14	0.003	1.4	0.47	33	<10	840	<0.5	<2	0.07	4.0	2	38	66	2.18
CC74667		0.20	0.003	1.3	0.62	16	<10	590	<0.5	<2	0.10	1.2	2	23	32	1.97
CC74668		0.18	0.003	0.8	0.57	12	<10	300	<0.5	<2	0.04	1.1	2	23	65	1.50
CC74669		0.18	0.004	1.2	0.50	22	<10	1090	<0.5	<2	0.07	8.0	3	37	243	2.31
CC74670		0.08	0.016	2.3	0.47	3	<10	330	<0.5	<2	0.09	2.2	1	16	31	0.81
CC74671		0.04	0.003	0.9	0.71	18	<10	690	<0.5	<2	1.45	3.9	4	21	48	1.78
CC74672		0.06	0.007	0.8	0.73	17	<10	560	<0.5	<2	0.83	4.0	4	23	46	1.75
CC74673		0.40	0.001	0.2	0.96	12	<10	80	<0.5	<2	0.06	<0.5	9	31	23	2.72
CC74674		0.16	0.001	0.5	1.79	14	<10	180	<0.5	<2	0.08	<0.5	6	30	24	2.98
CC74675		0.22	0.001	0.5	1.88	14	<10	180	<0.5	<2	0.08	<0.5	8	27	31	3.62
CC74676		0.20	0.002	0.3	1.48	12	<10	100	<0.5	<2	0.04	<0.5	7	22	24	4.08
CC74677		0.24	0.052	6.9	2.24	14	<10	150	<0.5	<2	0.05	<0.5	8	30	27	4.53
CC74678		0.30	0.003	3.3	0.67	14	<10	340	<0.5	<2	0.17	1.2	2	30	30	1.51
CC74679		0.18	<0.001	3.7	1.60	41	<10	430	0.5	<2	0.26	2.7	11	36	117	3.43
CC74680		0.08	0.009	3.3	1.05	43	<10	1420	<0.5	<2	1.23	8.6	10	32	51	2.63
CC74681		0.16	0.005	3.2	1.16	29	<10	960	<0.5	<2	0.41	2.3	10	32	35	2.51
CC74682		0.26	0.036	2.2	0.88	32	<10	1230	0.5	<2	0.22	5.7	7	47	110	2.49
CC74683		0.24	0.005	1.5	0.72	32	<10	670	<0.5	<2	0.10	3.2	3	40	128	2.19
CC74684		0.20	0.003	1.0	0.84	22	<10	390	<0.5	<2	0.07	3.0	3	30	54	1.84
CC74685		0.12	0.005	2.6	1.19	16	<10	930	<0.5	2	0.36	10.9	5	45	63	2.02
CC74686		0.10	0.005	1.6	1.09	26	<10	1330	<0.5	<2	0.55	16.2	9	29	76	2.53
CC74687		0.10	0.004	1.3	1.22	26	<10	1150	0.5	<2	0.90	23.2	12	27	90	3.12
CC74688		0.14	0.003	1.1	0.79	33	<10	810	<0.5	<2	0.51	5.5	7	32	106	2.69
CC74689		0.10	0.013	0.8	0.74	21	<10	970	<0.5	<2	1.69	5.9	5	20	100	1.82
CC74690		0.16	0.003	0.2	1.79	13	<10	380	<0.5	2	0.16	0.5	12	57	43	4.14
CC74691		0.20	0.002	0.4	2.11	8	<10	180	<0.5	<2	0.20	<0.5	18	91	36	4.27
CC74692		0.08	0.002	0.3	3.13	10	<10	240	<0.5	<2	0.08	<0.5	15	148	26	4.68
CC74693		0.12	0.001	0.3	1.40	7	<10	200	<0.5	<2	0.13	<0.5	5	26	13	2.02
CC74694		0.16	<0.001	0.4	1.60	13	<10	190	<0.5	<2	0.16	<0.5	7	28	19	2.96
CC74695		0.16	0.001	0.4	2.52	<2	<10	210	0.5	2	0.08	<0.5	13	26	37	4.43
CC74696		0.26	0.011	5.6	2.10	14	<10	270	0.6	<2	0.05	<0.5	15	26	52	4.56
CC74697		0.20	0.040	3.9	1.03	20	<10	270	<0.5	<2	0.11	0.6	5	16	55	2.95
CC74698		0.04	0.004	0.7	0.18	<2	<10	880	<0.5	<2	2.37	4.9	2	5	23	0.35

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10076144

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC74659		10	<1	0.10	20	0.48	377	1	0.02	32	620	24	0.01	<2	2	9
CC74660		<10	<1	0.17	20	0.27	323	2	0.03	34	1030	28	0.05	<2	1	22
CC74661		10	<1	0.13	30	0.59	563	3	0.01	43	440	27	0.01	<2	2	11
CC74662		10	<1	0.10	20	0.38	379	4	0.01	26	1570	20	0.02	2	1	23
CC74663		10	<1	0.10	10	0.37	154	5	0.02	43	1260	13	0.06	5	1	41
CC74664		<10	1	0.09	20	0.46	475	6	0.01	49	1570	26	0.02	33	2	29
CC74665		<10	<1	0.11	10	0.14	150	37	0.01	74	1470	38	0.06	20	1	62
CC74666		<10	<1	0.16	20	0.05	88	57	0.01	62	900	18	0.06	7	1	21
CC74667		<10	1	0.07	10	0.08	111	17	0.01	29	790	23	0.03	6	<1	27
CC74668		<10	<1	0.08	10	0.05	69	19	0.01	44	790	21	0.03	4	<1	40
CC74669		<10	<1	0.12	10	0.04	100	38	0.01	150	1430	18	0.04	9	<1	63
CC74670		<10	<1	0.11	10	0.05	70	8	0.02	15	960	11	0.05	4	<1	44
CC74671		<10	<1	0.10	10	0.39	318	9	0.03	30	1130	21	0.09	6	1	47
CC74672		<10	<1	0.10	10	0.19	199	13	0.02	31	1230	22	0.11	7	1	42
CC74673		<10	<1	0.10	20	0.44	316	1	0.01	28	510	18	0.01	<2	2	8
CC74674		<10	<1	0.11	20	0.44	206	1	0.01	24	850	57	0.04	<2	1	13
CC74675		<10	<1	0.10	20	0.49	282	1	0.01	29	700	24	0.03	2	2	10
CC74676		10	<1	0.13	20	0.29	516	2	0.01	18	620	24	0.02	<2	1	8
CC74677		10	<1	0.11	20	0.48	313	1	0.01	22	510	29	0.02	<2	2	10
CC74678		10	<1	0.08	10	0.05	60	4	0.01	17	2520	85	0.04	5	<1	46
CC74679		<10	<1	0.13	20	0.33	575	12	0.01	75	2830	24	0.04	8	1	52
CC74680		<10	<1	0.12	10	0.45	442	7	0.02	72	2270	78	0.09	18	2	94
CC74681		<10	<1	0.13	10	0.28	946	14	0.01	29	1900	31	0.04	8	2	61
CC74682		<10	1	0.15	20	0.18	407	32	0.01	91	1790	30	0.05	12	2	64
CC74683		<10	<1	0.14	10	0.10	202	33	0.01	53	1630	31	0.07	13	1	71
CC74684		<10	<1	0.13	10	0.19	216	18	0.01	29	930	39	0.03	5	<1	40
CC74685		<10	2	0.20	10	0.35	215	16	0.02	41	1700	65	0.09	5	2	117
CC74686		<10	<1	0.14	10	0.36	936	19	0.03	47	1490	36	0.06	6	2	53
CC74687		<10	<1	0.11	10	0.40	2480	21	0.03	63	1410	31	0.07	8	2	44
CC74688		<10	<1	0.12	10	0.31	448	25	0.02	84	1360	28	0.03	10	2	48
CC74689		<10	1	0.10	10	0.40	271	12	0.04	48	1290	23	0.11	8	1	55
CC74690		10	<1	0.16	20	0.91	207	11	0.02	73	860	22	0.06	3	3	29
CC74691		10	<1	0.25	30	1.45	374	2	0.01	60	1160	27	0.06	<2	3	28
CC74692		10	<1	0.19	20	1.86	418	1	0.02	44	710	35	0.04	<2	5	17
CC74693		10	<1	0.16	20	0.38	127	1	0.02	18	580	17	0.02	<2	1	15
CC74694		<10	<1	0.14	10	0.46	277	1	0.01	23	880	20	0.04	<2	1	15
CC74695		10	<1	0.24	40	0.89	336	<1	0.01	36	390	14	0.01	<2	2	12
CC74696		10	<1	0.21	20	0.50	621	1	0.02	34	660	55	0.05	<2	2	16
CC74697		<10	<1	0.17	20	0.23	207	6	0.02	45	970	41	0.07	3	1	28
CC74698		<10	<1	0.07	<10	0.28	120	6	0.04	16	1000	9	0.20	4	<1	111

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Project: RAU

CERTIFICATE OF ANALYSIS VA10076144

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC74659		<20	0.01	<10	<10	45	<10	113
CC74660		<20	<0.01	<10	<10	37	<10	88
CC74661		<20	0.02	<10	<10	37	<10	107
CC74662		<20	0.02	<10	<10	58	<10	107
CC74663		<20	0.02	<10	<10	61	<10	274
CC74664		<20	0.02	<10	<10	69	<10	375
CC74665		<20	0.01	<10	<10	310	<10	462
CC74666		<20	0.01	<10	<10	385	<10	362
CC74667		<20	0.02	<10	<10	194	<10	141
CC74668		<20	0.01	<10	<10	185	<10	199
CC74669		<20	0.01	<10	10	200	<10	488
CC74670		<20	0.01	<10	<10	75	<10	45
CC74671		<20	0.01	<10	<10	94	<10	153
CC74672		<20	0.01	<10	10	88	<10	119
CC74673		<20	0.01	<10	<10	22	<10	376
CC74674		<20	0.02	<10	<10	43	<10	187
CC74675		<20	0.02	<10	<10	38	<10	95
CC74676		<20	0.03	<10	<10	51	<10	82
CC74677		<20	0.03	<10	<10	57	<10	79
CC74678		<20	<0.01	<10	<10	46	<10	96
CC74679		<20	0.01	<10	<10	116	<10	461
CC74680		<20	0.02	<10	<10	101	<10	1155
CC74681		<20	0.02	<10	<10	165	<10	304
CC74682		<20	0.02	<10	<10	336	<10	537
CC74683		<20	0.01	<10	<10	365	<10	334
CC74684		<20	0.02	<10	<10	220	<10	201
CC74685		<20	0.02	<10	<10	205	<10	360
CC74686		<20	0.02	<10	<10	144	<10	398
CC74687		<20	0.02	<10	10	120	<10	509
CC74688		<20	0.02	<10	<10	177	<10	460
CC74689		<20	0.01	<10	10	86	<10	248
CC74690		<20	0.09	<10	<10	108	<10	203
CC74691		<20	0.04	<10	<10	52	<10	166
CC74692		<20	0.05	<10	<10	88	<10	158
CC74693		<20	0.01	<10	<10	34	<10	86
CC74694		<20	0.02	<10	<10	47	<10	111
CC74695		<20	<0.01	<10	<10	18	<10	106
CC74696		<20	0.01	<10	<10	33	<10	127
CC74697		<20	0.01	<10	<10	27	<10	130
CC74698		<20	<0.01	<10	<10	8	<10	238

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VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 28-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10076144

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC74699		0.04	0.011	1.7	0.45	5	<10	910	<0.5	<2	1.12	4.7	6	11	46	1.14
CC74700		<0.02	NSS	0.7	0.13	2	<10	680	<0.5	<2	0.83	20.5	2	5	53	0.40
CC74702		0.12	0.005	1.0	0.95	21	<10	450	<0.5	<2	0.19	1.7	6	30	31	2.13
CC74703		0.22	0.002	1.5	1.01	16	<10	1100	<0.5	<2	0.74	11.2	8	25	60	1.81
CC74704		0.16	0.002	1.3	0.96	15	<10	820	<0.5	<2	0.59	7.7	6	25	45	1.66
CC74705		0.12	0.002	0.9	1.18	21	<10	700	<0.5	<2	0.92	3.7	11	28	54	2.65
CC74706		0.10	<0.001	0.7	0.76	18	<10	580	<0.5	<2	0.93	9.7	6	23	40	1.70
CC74723		0.20	0.004	0.4	0.81	21	<10	350	<0.5	<2	0.97	3.3	7	19	36	2.06
CC74724		0.14	0.062	0.9	0.84	52	<10	360	<0.5	2	1.34	5.6	9	23	60	2.55
CC74725		0.38	0.004	0.6	0.87	38	<10	280	<0.5	<2	4.08	3.2	9	20	51	2.64
CC74726		0.38	0.004	0.9	0.64	41	<10	350	<0.5	<2	1.87	3.5	6	19	42	2.01
CC74727		0.60	0.005	0.5	1.02	28	<10	280	<0.5	<2	4.99	2.4	11	24	57	2.88
CC74728		0.40	0.004	0.7	0.99	29	<10	280	<0.5	<2	2.11	1.7	12	24	54	3.10
CC74729		0.38	0.006	0.6	1.08	29	<10	240	<0.5	<2	2.66	1.8	11	22	57	3.01
CC74730		0.40	0.002	0.6	1.49	15	<10	460	<0.5	2	0.25	1.5	9	26	33	2.65
CC74731		0.28	0.002	0.5	1.56	16	<10	370	<0.5	<2	0.75	1.3	8	28	25	2.94
CC74732		0.12	0.005	0.3	0.62	6	<10	240	<0.5	<2	2.60	1.0	5	11	43	1.40
CC74733		0.32	0.003	0.7	0.84	47	<10	220	<0.5	<2	4.78	4.6	9	19	73	2.48
CC74734		0.42	0.003	0.9	0.93	17	<10	260	<0.5	<2	0.34	<0.5	4	18	23	2.00
CC74735		0.20	0.003	0.6	1.48	27	<10	240	0.5	<2	0.92	2.7	10	30	41	3.00
CC74736		0.16	0.005	0.6	1.19	21	<10	220	0.5	<2	0.44	5.2	8	31	47	2.52
CC74737		0.50	0.004	0.6	1.54	36	<10	230	0.7	<2	0.73	11.1	14	34	76	3.55
CC74738		0.08	<0.001	0.8	1.41	10	<10	450	<0.5	<2	0.17	1.3	6	30	52	2.75

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10076144

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC74699		<10	<1	0.06	<10	0.15	297	6	0.04	34	1500	21	0.20	6	1	57
CC74700		<10	<1	0.08	<10	0.11	117	4	0.08	42	860	14	0.12	5	<1	51
CC74702		<10	<1	0.11	10	0.27	350	15	0.01	32	1300	30	0.02	6	1	44
CC74703		<10	1	0.08	10	0.37	643	9	0.01	45	1290	30	0.07	6	2	51
CC74704		<10	<1	0.09	10	0.36	416	10	0.02	31	1300	26	0.06	6	2	44
CC74705		<10	<1	0.09	10	0.46	1000	17	0.02	41	1370	29	0.08	7	2	41
CC74706		<10	<1	0.09	10	0.34	414	9	0.02	32	1130	26	0.06	5	2	51
CC74723		<10	<1	0.07	10	0.41	619	4	0.01	32	1090	32	0.04	5	2	39
CC74724		<10	<1	0.12	10	0.42	868	9	0.02	48	1230	62	0.07	11	2	48
CC74725		<10	<1	0.09	10	2.32	504	8	0.02	46	1130	36	0.03	7	2	52
CC74726		<10	<1	0.09	10	0.47	310	11	0.01	47	920	56	0.08	12	1	46
CC74727		<10	<1	0.13	10	2.77	486	9	0.02	53	1210	40	0.02	7	3	76
CC74728		<10	<1	0.08	10	1.48	497	6	0.01	57	1280	47	0.02	6	3	42
CC74729		<10	<1	0.08	10	1.82	451	8	0.01	57	1050	38	0.03	6	2	39
CC74730		<10	<1	0.08	20	0.42	401	5	0.01	40	950	28	0.02	4	2	21
CC74731		<10	<1	0.07	10	0.57	526	4	0.01	37	1190	33	0.03	2	3	24
CC74732		<10	<1	0.09	10	0.68	247	2	0.02	27	1290	14	0.18	3	1	99
CC74733		<10	<1	0.11	10	2.59	448	22	0.02	68	1050	54	0.02	10	2	66
CC74734		<10	<1	0.12	10	0.27	148	4	0.01	18	880	29	0.10	2	2	46
CC74735		<10	<1	0.11	10	0.55	459	19	0.02	72	960	32	0.03	5	3	37
CC74736		<10	<1	0.11	10	0.43	396	20	0.01	75	810	28	0.02	9	2	22
CC74737		<10	<1	0.11	20	0.86	799	20	0.01	103	1120	46	0.02	7	4	27
CC74738		<10	<1	0.18	20	0.44	135	16	0.02	49	870	14	0.06	4	1	31

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VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 28-JUN-2010
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CERTIFICATE OF ANALYSIS VA10076144

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC74699		<20	0.01	<10	<10	27	<10	188
CC74700		<20	<0.01	<10	<10	13	<10	396
CC74702		<20	0.02	<10	<10	170	<10	280
CC74703		<20	0.01	<10	<10	111	<10	388
CC74704		<20	0.02	<10	<10	94	<10	241
CC74705		<20	0.02	<10	10	100	<10	390
CC74706		<20	0.01	<10	<10	97	<10	223
CC74723		<20	0.02	<10	<10	61	<10	192
CC74724		<20	0.01	<10	<10	79	<10	262
CC74725		<20	0.03	<10	<10	47	<10	210
CC74726		<20	0.02	<10	<10	54	<10	209
CC74727		<20	0.04	<10	<10	53	<10	217
CC74728		<20	0.04	<10	<10	56	<10	229
CC74729		<20	0.03	<10	<10	52	<10	214
CC74730		<20	0.03	<10	<10	65	<10	166
CC74731		<20	0.03	<10	<10	70	<10	173
CC74732		<20	0.01	<10	<10	22	<10	74
CC74733		<20	0.03	<10	<10	64	<10	322
CC74734		<20	0.02	<10	<10	49	<10	80
CC74735		<20	0.03	<10	<10	99	<10	294
CC74736		<20	0.02	<10	<10	122	<10	300
CC74737		<20	0.03	<10	<10	79	<10	425
CC74738		<20	0.03	<10	<10	100	<10	149

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Project: RAU

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CERTIFICATE OF ANALYSIS VA10076144

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non-sufficient sample.

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Finalized Date: 28-JUN-2010
Account: RCM

CERTIFICATE VA10076145

Project: RAU

P.O. No.: NOW

This report is for 240 Soil samples submitted to our lab in Vancouver, BC, Canada on 14-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-31	Pulverize split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
SCR-43	Screen to -500um, discard plus
SCR-01	Screen - Save plus fraction

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Project: RAU

CERTIFICATE OF ANALYSIS VA10076145

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC75014		0.26	0.002	1.7	1.63	16	<10	270	<0.5	<2	0.08	1.5	5	53	19	2.67
CC75015		0.20	0.002	1.4	1.15	15	<10	320	0.5	<2	0.06	0.7	2	73	25	1.75
CC75016		0.26	0.007	2.4	0.75	14	<10	650	0.5	<2	0.06	0.6	1	75	59	1.67
CC75017		0.18	0.001	1.0	0.60	14	<10	620	0.6	<2	0.07	0.8	1	52	53	1.69
CC75018		0.16	<0.001	0.4	0.44	10	<10	160	<0.5	<2	0.03	0.8	1	14	46	1.10
CC75019		0.22	<0.001	1.9	0.52	20	<10	150	0.6	<2	0.05	3.0	3	15	224	1.97
CC75020		0.20	0.001	0.6	0.66	47	<10	130	<0.5	<2	0.19	15.3	4	15	109	2.16
CC75021		0.24	0.008	<0.2	0.64	555	<10	160	<0.5	<2	0.02	10.8	51	17	108	9.36
CC75022		0.22	0.003	4.2	0.41	212	<10	150	<0.5	<2	0.10	5.6	6	11	52	2.62
CC75023		0.18	0.005	1.0	1.35	247	<10	180	<0.5	<2	0.08	2.3	5	25	17	3.23
CC75024		0.18	0.001	0.4	0.78	109	<10	130	<0.5	<2	0.04	1.2	3	15	14	1.70
CC75025		0.14	0.004	1.9	0.42	21	<10	540	<0.5	<2	0.07	1.0	1	24	16	1.18
CC75026		0.18	0.003	1.4	0.93	64	<10	310	<0.5	<2	0.07	0.9	3	33	22	2.05
CC75027		0.32	0.011	5.2	1.17	236	<10	780	0.5	<2	0.04	2.5	4	33	44	2.75
CC75028		0.34	0.005	2.0	1.59	129	<10	230	<0.5	<2	0.06	2.3	6	31	48	2.83
CC75029		0.28	0.003	1.9	1.57	39	<10	140	<0.5	<2	0.05	0.5	4	24	27	2.37
CC75030		0.22	0.004	1.5	1.80	53	<10	200	0.6	<2	0.14	2.8	8	31	49	3.33
CC75032		0.24	0.001	<0.2	2.22	20	<10	270	0.7	2	0.07	<0.5	14	33	42	3.85
CC75033		0.30	0.001	0.2	3.00	11	<10	260	0.7	3	0.11	0.6	20	36	115	4.45
CC75034		0.32	0.001	0.4	1.79	9	<10	420	<0.5	2	0.08	1.2	15	25	18	2.98
CC75035		0.42	0.002	0.4	2.17	18	<10	400	0.6	2	0.09	3.1	11	36	26	3.23
CC75036		0.28	0.001	1.1	1.77	30	<10	1390	0.5	2	0.15	0.9	5	48	21	2.51
CC75037		0.28	0.001	1.8	1.35	93	<10	790	<0.5	<2	0.15	1.2	4	45	52	2.70
CC75038		0.38	0.003	1.2	1.11	55	<10	460	0.7	<2	0.09	3.4	5	44	115	2.31
CC75039		0.30	0.003	1.1	1.98	37	<10	440	0.7	2	0.21	1.5	7	48	47	3.21
CC75040		0.20	0.001	3.5	1.87	17	<10	240	<0.5	<2	0.09	1.1	4	33	14	3.26
CC75041		0.22	0.002	0.7	1.56	14	<10	180	<0.5	<2	0.07	0.7	3	34	10	2.23
CC75042		0.32	0.181	2.6	0.55	25	<10	690	0.6	<2	0.02	1.5	1	74	70	1.92
CC75043		0.22	<0.001	3.7	0.68	18	<10	660	0.6	<2	0.12	1.4	1	62	75	1.95
CC75044		0.22	<0.001	1.2	0.55	18	<10	180	<0.5	<2	0.05	1.5	2	16	74	1.58
CC75045		0.16	<0.001	0.5	0.79	31	<10	180	0.5	<2	0.06	1.3	3	22	116	2.15
CC75046		0.22	0.040	0.3	0.95	142	<10	280	0.5	<2	0.05	8.2	13	23	70	5.50
CC75047		0.26	0.013	0.5	0.66	118	<10	210	<0.5	<2	0.07	5.2	8	16	34	4.17
CC75048		0.26	0.014	1.1	0.61	306	<10	120	<0.5	<2	0.16	15.6	9	14	68	2.80
CC75049		0.22	0.007	0.8	0.81	282	<10	210	<0.5	<2	0.03	4.3	4	21	49	3.28
CC75050		0.20	0.017	1.2	0.62	374	<10	220	<0.5	<2	0.08	9.7	8	38	96	3.22
CC75051		0.28	0.007	2.8	0.89	147	<10	540	<0.5	<2	0.06	1.7	2	43	50	2.75
CC75052		0.26	0.004	1.7	1.94	106	<10	250	<0.5	<2	0.09	1.8	5	34	32	3.37
CC75053		0.24	0.004	5.1	2.04	92	<10	230	0.5	<2	0.07	1.2	7	35	26	3.42
CC75054		0.32	0.012	2.3	1.23	160	<10	240	0.6	<2	0.05	3.1	8	26	77	2.51

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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC75014		10	<1	0.11	20	0.21	202	23	0.02	13	540	16	0.06	6	3	28
CC75015		10	<1	0.17	20	0.10	101	24	0.02	7	890	23	0.11	4	1	21
CC75016		<10	<1	0.15	20	0.05	75	27	0.01	7	2270	19	0.12	7	<1	65
CC75017		<10	<1	0.20	20	0.04	110	37	0.02	11	1240	37	0.10	7	1	205
CC75018		<10	<1	0.17	20	0.03	67	24	0.01	15	440	12	0.05	5	1	29
CC75019		<10	<1	0.15	20	0.03	87	59	0.01	92	780	13	0.07	5	1	47
CC75020		<10	<1	0.12	10	0.06	85	30	0.02	68	1030	41	0.07	6	<1	21
CC75021		<10	<1	0.17	10	0.04	444	17	0.02	279	640	39	0.05	10	4	5
CC75022		<10	<1	0.11	10	0.03	179	106	0.02	167	1000	141	0.06	16	1	10
CC75023		10	<1	0.13	10	0.20	262	46	0.02	50	1190	160	0.03	9	1	20
CC75024		10	<1	0.11	20	0.06	97	34	0.02	38	560	96	0.03	7	1	22
CC75025		<10	<1	0.09	10	0.03	105	6	0.02	7	1130	24	0.05	6	<1	23
CC75026		<10	<1	0.11	20	0.11	123	17	0.02	22	1330	78	0.04	10	1	35
CC75027		<10	2	0.14	20	0.15	180	64	0.02	20	1150	148	0.08	79	2	100
CC75028		10	<1	0.11	20	0.19	266	34	0.02	57	780	116	0.04	19	3	46
CC75029		10	<1	0.08	20	0.21	159	11	0.02	22	320	49	0.02	4	2	17
CC75030		10	<1	0.13	20	0.38	358	17	0.02	36	1010	166	0.04	6	2	30
CC75032		10	<1	0.23	30	0.54	467	3	0.02	36	440	28	0.03	<2	3	14
CC75033		10	<1	0.23	20	0.89	1090	3	0.02	45	630	20	0.02	2	3	15
CC75034		10	<1	0.15	20	0.33	849	3	0.02	23	460	31	0.03	<2	2	9
CC75035		10	<1	0.10	20	0.50	329	4	0.02	45	400	22	0.02	<2	3	11
CC75036		10	<1	0.12	20	0.32	157	9	0.02	16	1580	14	0.05	4	3	94
CC75037		10	<1	0.18	20	0.26	143	19	0.02	22	2450	21	0.09	9	2	59
CC75038		<10	1	0.18	20	0.20	163	36	0.01	66	1190	36	0.08	15	3	83
CC75039		10	<1	0.14	20	0.40	292	14	0.02	39	1700	23	0.04	7	3	51
CC75040		10	<1	0.10	20	0.24	222	12	0.02	13	720	15	0.04	3	2	18
CC75041		10	<1	0.08	20	0.17	126	8	0.02	9	480	20	0.03	2	2	14
CC75042		<10	1	0.23	30	0.04	138	55	0.01	3	2040	65	0.16	9	1	31
CC75043		<10	<1	0.14	20	0.04	147	43	0.01	15	2110	516	0.08	11	1	369
CC75044		<10	<1	0.14	20	0.04	74	30	0.02	18	880	18	0.07	4	<1	47
CC75045		<10	<1	0.21	20	0.06	122	42	0.02	57	740	24	0.06	6	<1	45
CC75046		<10	<1	0.32	30	0.05	220	23	0.02	91	1250	39	0.03	14	2	9
CC75047		<10	<1	0.20	20	0.04	481	30	0.02	83	880	89	0.03	13	1	11
CC75048		<10	<1	0.13	20	0.13	181	93	0.02	197	1070	190	0.02	31	2	28
CC75049		<10	<1	0.16	20	0.06	119	75	0.02	131	850	221	0.03	23	2	26
CC75050		<10	<1	0.19	20	0.03	100	120	0.01	248	1590	211	0.02	36	2	20
CC75051		<10	<1	0.21	20	0.07	181	71	0.02	21	1010	56	0.15	65	1	124
CC75052		10	<1	0.13	20	0.28	259	19	0.02	32	920	68	0.03	8	2	36
CC75053		10	<1	0.11	20	0.33	254	19	0.02	35	560	72	0.02	6	3	25
CC75054		<10	1	0.11	20	0.17	141	46	0.01	104	800	203	0.03	20	3	64

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10076145

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC75014		<20	0.06	<10	<10	468	<10	86
CC75015		<20	0.02	<10	<10	948	<10	22
CC75016		<20	0.01	<10	10	384	<10	29
CC75017		<20	0.01	<10	10	280	<10	59
CC75018		<20	0.01	<10	<10	157	<10	57
CC75019		<20	0.01	<10	20	166	<10	264
CC75020		<20	0.01	<10	<10	69	<10	350
CC75021		<20	<0.01	<10	<10	19	10	1325
CC75022		<20	0.01	<10	<10	59	<10	544
CC75023		<20	0.02	<10	<10	143	<10	245
CC75024		<20	0.02	<10	<10	116	<10	153
CC75025		<20	0.01	<10	<10	52	<10	40
CC75026		<20	0.02	<10	<10	117	<10	91
CC75027		<20	0.02	<10	<10	404	<10	134
CC75028		<20	0.04	<10	<10	164	<10	298
CC75029		<20	0.05	<10	<10	89	<10	99
CC75030		<20	0.05	<10	<10	139	<10	212
CC75032		<20	0.03	<10	<10	59	<10	114
CC75033		<20	0.01	<10	<10	43	<10	131
CC75034		<20	0.03	<10	<10	63	<10	265
CC75035		<20	0.05	<10	<10	86	<10	282
CC75036		<20	0.04	<10	<10	174	<10	82
CC75037		<20	0.03	<10	10	291	<10	112
CC75038		<20	0.02	<10	<10	400	<10	309
CC75039		<20	0.05	<10	<10	314	<10	193
CC75040		<20	0.05	<10	<10	201	<10	98
CC75041		<20	0.06	<10	<10	238	<10	50
CC75042		<20	0.01	<10	20	354	<10	13
CC75043		<20	0.01	<10	20	303	<10	97
CC75044		<20	0.01	<10	<10	165	<10	106
CC75045		<20	0.02	<10	<10	204	<10	188
CC75046		<20	0.01	<10	<10	34	<10	497
CC75047		<20	0.01	<10	<10	37	<10	370
CC75048		<20	0.02	<10	10	68	<10	754
CC75049		<20	0.02	<10	<10	226	<10	546
CC75050		<20	0.01	<10	10	237	<10	930
CC75051		<20	0.02	<10	<10	617	<10	105
CC75052		<20	0.06	<10	<10	196	<10	194
CC75053		<20	0.05	<10	<10	126	<10	198
CC75054		<20	0.02	<10	<10	127	<10	438

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10076145

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC75055		0.42	0.004	1.8	2.17	69	<10	210	0.5	<2	0.07	0.9	6	36	29	3.46
CC75056		0.36	0.002	0.9	1.34	36	<10	630	<0.5	<2	0.24	8.3	36	47	147	6.88
CC75057		0.12	0.003	0.4	2.49	18	<10	980	0.5	<2	0.93	0.5	29	93	77	4.74
CC75058		0.16	0.006	0.8	1.59	22	<10	760	<0.5	<2	2.01	4.0	17	60	51	3.40
CC75059		0.16	0.005	0.6	1.29	30	<10	560	<0.5	<2	2.71	2.3	12	36	44	2.90
CC75060		0.06	0.010	0.7	1.64	10	<10	710	<0.5	<2	1.20	9.7	15	34	71	3.06
CC75061		0.08	0.002	0.9	1.47	12	<10	730	<0.5	<2	1.43	12.5	12	32	64	2.88
CC75062		0.18	0.004	0.9	1.30	16	<10	660	<0.5	<2	0.78	6.9	12	30	51	2.74
CC75064		0.26	0.004	3.2	2.78	22	<10	330	0.8	<2	0.13	1.5	11	41	33	3.75
CC75065		0.24	0.003	0.6	0.43	18	<10	400	<0.5	<2	0.08	1.1	1	41	45	1.50
CC75066		0.30	0.001	1.9	0.72	12	<10	370	0.6	<2	0.08	1.3	1	53	93	1.39
CC75067		0.30	<0.001	0.7	1.46	15	<10	190	<0.5	<2	0.09	0.7	3	27	15	2.30
CC75068		0.26	<0.001	1.3	0.62	14	<10	160	<0.5	<2	0.02	1.0	<1	18	56	1.74
CC75069		0.28	0.003	0.4	0.79	37	<10	170	<0.5	<2	0.02	3.9	8	18	60	3.68
CC75070		0.26	0.061	1.1	2.25	49	<10	220	1.3	<2	0.02	9.7	23	27	159	6.23
CC75071		0.28	0.006	2.6	1.30	87	<10	170	0.5	<2	0.04	2.7	6	24	41	3.26
CC75072		0.18	0.004	0.8	1.08	119	<10	200	<0.5	<2	0.11	4.3	4	20	29	2.86
CC75073		0.22	0.002	1.9	0.78	68	<10	150	<0.5	<2	0.07	1.5	2	15	17	1.50
CC75074		0.16	0.007	1.8	0.66	141	<10	200	<0.5	<2	0.05	4.2	2	18	46	2.08
CC75075		0.24	0.012	4.3	0.91	268	<10	430	0.6	<2	0.23	3.2	<1	61	185	2.46
CC75076		0.24	0.001	1.4	1.94	38	<10	200	<0.5	<2	0.06	1.3	5	30	15	3.60
CC75077		0.36	0.015	5.7	2.26	105	<10	300	0.7	<2	0.07	2.1	10	38	80	3.36
CC75078		0.24	0.007	1.4	1.12	119	<10	260	<0.5	<2	0.04	2.0	29	40	111	6.12
CC75079		0.18	0.003	0.9	2.54	45	<10	230	<0.5	<2	0.12	0.8	19	70	56	4.83
CC75080		0.26	0.002	0.4	3.63	31	<10	1870	<0.5	<2	0.35	<0.5	39	209	91	7.27
CC75081		0.18	0.007	0.2	2.60	6	<10	220	0.5	<2	0.07	0.6	15	37	35	4.06
CC75082		0.16	0.001	0.6	2.58	29	<10	420	0.8	<2	0.12	1.6	11	45	37	3.42
CC75083		0.22	0.002	0.6	2.10	29	<10	390	0.7	<2	0.09	2.0	11	41	39	3.28
CC75084		0.06	0.003	3.3	1.75	14	<10	1650	0.5	<2	0.45	16.7	4	51	102	2.32
CC75085		0.08	0.002	1.7	1.25	32	<10	1010	0.6	<2	1.15	12.8	5	42	95	2.20
CC75086		0.06	<0.001	1.0	1.16	23	<10	400	0.5	<2	0.64	9.0	4	43	35	2.26
CC75087		0.24	0.002	1.2	1.56	32	<10	570	0.6	<2	0.18	3.0	6	49	60	2.48
CC75088		0.26	0.019	1.1	2.33	43	<10	500	0.8	<2	0.19	1.8	10	50	56	3.77
CC75089		0.24	0.001	3.1	2.13	26	<10	480	0.8	<2	0.20	1.7	5	57	43	3.02
CC75090		0.20	0.003	1.0	2.34	18	<10	310	0.6	<2	0.10	1.7	9	63	46	4.24
CC75091		0.16	0.003	0.8	2.09	21	<10	270	0.5	<2	0.19	<0.5	6	44	23	3.09
CC75092		0.14	0.005	2.3	0.85	21	<10	420	0.6	<2	0.20	1.3	1	84	32	2.17
CC75093		0.10	0.010	0.4	1.03	14	<10	200	0.5	<2	0.06	1.2	2	27	78	2.42
CC75094		0.26	0.013	1.6	1.57	28	<10	250	0.8	<2	0.05	12.0	9	31	85	5.82
CC75095		0.16	0.004	1.0	1.31	40	<10	200	<0.5	<2	0.03	1.9	4	24	31	2.69

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10076145

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC75055		10	<1	0.10	20	0.34	245	15	0.01	30	500	67	0.02	4	4	28
CC75056		<10	<1	0.14	20	0.72	602	29	0.02	240	1380	24	0.03	3	4	25
CC75057		10	<1	0.20	20	1.29	805	2	0.04	95	1310	17	0.05	<2	7	51
CC75058		<10	1	0.17	10	1.42	863	4	0.03	80	1340	38	0.07	2	3	53
CC75059		<10	<1	0.13	10	1.39	1015	4	0.03	51	1190	31	0.08	4	2	47
CC75060		<10	<1	0.22	20	1.10	1180	5	0.03	79	1380	10	0.09	2	3	56
CC75061		<10	<1	0.23	10	0.86	777	6	0.03	59	1390	12	0.10	3	2	65
CC75062		<10	<1	0.18	10	0.73	701	8	0.02	56	1010	11	0.07	3	2	65
CC75064		10	<1	0.11	20	0.52	386	2	0.02	32	1200	17	0.02	<2	4	15
CC75065		<10	<1	0.11	20	0.03	89	31	0.01	11	1250	14	0.05	10	1	153
CC75066		<10	1	0.15	20	0.04	97	15	0.01	11	1940	13	0.04	8	2	77
CC75067		10	<1	0.10	20	0.18	176	8	0.01	7	520	13	0.03	<2	2	24
CC75068		<10	<1	0.21	20	0.04	103	49	0.01	11	480	6	0.06	2	<1	12
CC75069		<10	<1	0.31	20	0.06	142	16	0.01	52	910	31	0.02	22	<1	8
CC75070		<10	<1	0.30	20	0.06	243	42	0.01	261	1290	138	0.04	26	4	9
CC75071		<10	<1	0.22	20	0.13	163	33	0.02	86	600	61	0.02	20	2	15
CC75072		<10	<1	0.14	10	0.11	258	35	0.02	88	1320	76	0.04	15	<1	15
CC75073		10	<1	0.08	20	0.07	121	22	0.01	35	400	66	0.02	4	1	18
CC75074		<10	<1	0.13	20	0.03	87	40	0.02	81	660	114	0.03	21	<1	12
CC75075		<10	1	0.15	20	0.04	56	24	0.01	27	3300	63	0.09	79	2	310
CC75076		10	<1	0.08	10	0.26	462	9	0.01	13	620	34	0.02	<2	3	14
CC75077		10	<1	0.12	20	0.40	272	29	0.01	69	500	199	0.02	14	5	37
CC75078		<10	<1	0.13	10	0.16	268	24	0.02	205	1040	77	0.05	13	4	39
CC75079		10	<1	0.10	10	0.80	419	8	0.02	90	650	57	0.02	5	5	21
CC75080		10	<1	0.09	10	2.52	956	3	0.05	164	970	30	0.02	5	10	19
CC75081		10	<1	0.26	30	0.89	655	1	0.03	38	330	18	0.01	<2	3	14
CC75082		10	<1	0.20	20	0.62	311	5	0.03	65	780	23	0.02	<2	4	17
CC75083		10	<1	0.14	20	0.41	386	10	0.02	61	500	24	0.02	2	3	14
CC75084		10	<1	0.22	10	0.30	193	9	0.05	140	1250	22	0.09	2	3	57
CC75085		<10	<1	0.22	20	0.40	408	17	0.03	53	1240	24	0.09	8	3	73
CC75086		<10	<1	0.22	20	0.27	282	12	0.03	28	750	21	0.04	3	2	47
CC75087		<10	<1	0.17	20	0.39	203	19	0.02	51	1190	39	0.04	6	2	64
CC75088		10	<1	0.20	20	0.61	411	7	0.03	50	1260	17	0.02	3	4	30
CC75089		10	<1	0.13	20	0.35	281	16	0.03	20	2670	15	0.03	11	4	296
CC75090		10	<1	0.13	20	0.58	300	2	0.03	38	610	13	0.01	<2	5	18
CC75091		10	<1	0.16	20	0.42	250	4	0.04	15	850	12	0.02	2	3	30
CC75092		<10	<1	0.29	30	0.06	167	26	0.02	3	3220	19	0.09	6	1	69
CC75093		<10	<1	0.36	20	0.09	167	67	0.03	27	470	6	0.02	3	1	11
CC75094		<10	<1	0.15	20	0.17	573	7	0.02	57	480	95	0.01	14	5	7
CC75095		10	<1	0.35	30	0.10	92	28	0.03	58	400	37	0.01	14	2	10

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Project: RAU

CERTIFICATE OF ANALYSIS VA10076145

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC75055		<20	0.05	<10	<10	142	<10	127
CC75056		<20	0.02	<10	<10	67	<10	921
CC75057		<20	0.11	<10	<10	96	<10	166
CC75058		<20	0.05	<10	<10	78	<10	278
CC75059		<20	0.03	<10	<10	66	<10	171
CC75060		<20	0.04	<10	<10	72	<10	596
CC75061		<20	0.03	<10	<10	92	<10	470
CC75062		<20	0.03	<10	<10	124	<10	410
CC75064		<20	0.05	<10	<10	129	<10	158
CC75065		<20	0.01	<10	<10	299	<10	53
CC75066		<20	0.01	<10	30	339	<10	44
CC75067		<20	0.04	<10	<10	138	<10	50
CC75068		<20	0.02	<10	<10	211	<10	48
CC75069		<20	0.01	<10	<10	48	<10	282
CC75070		<20	0.02	<10	<10	25	<10	896
CC75071		<20	0.02	<10	<10	59	<10	429
CC75072		<20	0.02	<10	<10	78	<10	445
CC75073		<20	0.03	<10	<10	86	<10	138
CC75074		<20	0.01	<10	<10	151	<10	351
CC75075		<20	0.01	<10	60	452	<10	93
CC75076		<20	0.06	<10	<10	126	<10	181
CC75077		<20	0.04	<10	10	113	<10	246
CC75078		<20	0.01	<10	<10	132	<10	396
CC75079		<20	0.07	<10	<10	96	<10	170
CC75080		<20	0.40	<10	<10	173	<10	181
CC75081		<20	0.02	<10	<10	41	<10	121
CC75082		<20	0.05	<10	<10	123	<10	370
CC75083		<20	0.04	<10	<10	133	<10	293
CC75084		<20	0.03	<10	<10	219	<10	742
CC75085		<20	0.02	<10	<10	309	<10	288
CC75086		<20	0.03	<10	<10	336	<10	212
CC75087		<20	0.04	<10	<10	492	<10	290
CC75088		<20	0.06	<10	<10	205	<10	155
CC75089		<20	0.04	<10	<10	300	<10	149
CC75090		<20	0.07	<10	<10	131	<10	125
CC75091		<20	0.05	<10	<10	154	<10	58
CC75092		<20	0.01	<10	10	299	<10	27
CC75093		<20	0.02	<10	<10	345	<10	67
CC75094		<20	0.02	<10	<10	64	<10	350
CC75095		<20	0.04	<10	<10	128	<10	318

***** See Appendix Page for comments regarding this certificate *****

ALS Chemex
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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10076145

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC75096		0.14	0.005	1.0	0.74	227	<10	140	0.5	<2	0.05	6.4	8	17	60	3.52
CC75097		0.14	0.008	2.2	1.26	274	<10	240	0.7	<2	0.11	9.2	8	24	69	4.28
CC75098		0.22	0.016	1.2	0.62	93	<10	430	<0.5	<2	0.02	1.1	1	15	11	1.36
CC75099		0.18	0.006	4.4	1.16	82	<10	230	<0.5	<2	0.06	1.5	2	22	35	2.01
CC75100		0.18	0.004	2.6	2.73	77	<10	230	0.5	<2	0.10	2.1	6	41	29	3.67
CC75101		0.28	0.003	2.1	1.84	66	<10	190	<0.5	<2	0.08	0.9	4	29	21	2.89
CC75102		0.30	0.007	0.9	1.97	114	<10	320	0.6	<2	0.13	2.7	26	45	87	5.90
CC75103		0.30	0.005	1.4	2.81	46	<10	590	0.6	<2	0.18	1.2	17	73	79	4.13
CC75104		0.24	0.002	0.9	3.13	46	<10	370	<0.5	<2	0.25	0.8	26	142	86	6.46
CC75105		0.20	0.003	0.6	2.68	39	<10	790	<0.5	<2	0.21	0.6	23	108	68	5.74
CC75106		0.08	0.007	0.6	0.86	10	<10	700	<0.5	<2	4.35	0.7	9	35	51	1.52
CC75107		0.14	0.004	0.4	2.64	17	<10	970	<0.5	<2	1.02	1.3	30	124	78	5.19
CC75108		0.10	0.004	0.5	0.51	6	<10	540	<0.5	<2	5.15	3.0	4	15	29	0.83
CC75109		0.18	0.003	0.8	1.93	20	<10	790	<0.5	<2	1.29	4.6	18	70	52	3.46
CC75110		0.06	0.007	1.1	1.86	16	<10	840	0.5	<2	1.71	4.5	18	63	68	3.36
CC75111		0.06	0.015	1.2	1.44	27	<10	620	0.5	<2	1.94	8.6	12	36	92	2.72
CC75112		0.10	0.010	0.7	1.27	7	<10	460	<0.5	<2	1.89	2.8	10	27	68	2.20
CC75113		0.16	0.002	0.7	1.33	7	<10	420	<0.5	<2	1.91	6.9	12	32	72	2.25
CC75114		0.30	<0.001	2.6	2.39	20	<10	350	0.8	<2	0.15	4.7	8	51	44	3.05
CC75115		0.38	0.002	1.5	1.63	21	<10	300	0.5	<2	0.09	0.8	3	48	29	2.21
CC75116		0.24	0.003	4.2	2.63	26	<10	310	0.8	<2	0.11	1.0	8	49	49	3.13
CC75117		0.34	0.001	0.9	1.57	30	<10	220	0.5	<2	0.06	0.8	3	49	35	2.71
CC75118		0.22	<0.001	0.3	0.60	14	<10	120	<0.5	<2	0.02	1.2	2	17	96	1.74
CC75119		0.22	0.004	2.4	2.19	56	<10	290	0.8	<2	0.09	2.9	9	40	119	3.40
CC75120		0.22	0.006	5.5	1.51	100	<10	230	1.0	<2	0.05	3.9	11	26	115	4.51
CC75121		0.20	0.005	1.2	0.65	162	<10	130	0.5	<2	0.05	4.4	7	15	66	3.21
CC75122		0.36	0.012	0.9	0.59	104	<10	160	<0.5	<2	0.02	2.3	2	16	28	1.39
CC75123		0.22	0.007	0.5	0.64	293	<10	270	<0.5	<2	0.01	4.7	6	41	47	2.83
CC75126		0.24	0.001	1.0	1.44	54	<10	140	<0.5	<2	0.07	<0.5	3	24	12	2.61
CC75127		0.28	0.001	1.3	1.50	48	<10	160	<0.5	<2	0.07	0.8	4	26	15	2.69
CC75128		0.22	0.003	0.5	2.04	33	<10	270	<0.5	<2	0.18	<0.5	6	46	18	3.58
CC75129		0.32	<0.001	0.6	2.77	33	<10	760	<0.5	2	0.64	<0.5	17	84	48	4.53
CC75130		0.18	0.004	0.2	2.90	47	<10	1540	0.7	<2	0.26	0.8	25	98	137	4.96
CC75131		0.26	0.005	3.2	1.33	66	<10	630	0.8	<2	0.19	0.6	2	70	83	2.35
CC75132		0.18	0.002	3.2	1.23	27	<10	450	0.7	<2	0.06	<0.5	1	77	111	2.42
CC75134		0.20	0.002	0.9	1.15	89	<10	220	0.9	<2	0.07	5.1	7	25	125	3.78
CC75135		0.16	0.002	1.9	1.25	59	<10	230	0.7	<2	0.08	6.1	7	26	140	3.54
CC75136		0.24	0.002	1.1	0.75	99	<10	150	0.5	<2	0.02	2.7	4	16	51	2.29
CC75137		0.24	0.004	1.6	0.49	75	<10	140	<0.5	<2	0.07	1.7	4	12	47	2.08
CC75139		0.22	0.017	3.8	0.79	496	<10	290	0.6	<2	0.05	12.9	7	19	55	3.47

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Project: RAU

CERTIFICATE OF ANALYSIS VA10076145

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC75096		<10	<1	0.24	20	0.05	244	98	0.03	242	990	88	0.03	32	1	14
CC75097		<10	<1	0.24	20	0.11	281	89	0.03	247	1630	141	0.03	28	2	27
CC75098		<10	<1	0.15	20	0.02	105	37	0.01	15	530	279	0.11	6	2	113
CC75099		10	<1	0.14	20	0.06	94	26	0.03	38	650	107	0.02	9	1	17
CC75100		10	1	0.11	20	0.36	326	15	0.03	21	560	59	0.03	7	3	20
CC75101		10	<1	0.10	20	0.23	207	14	0.02	23	550	85	0.01	6	3	49
CC75102		<10	<1	0.18	20	0.29	407	22	0.03	175	880	83	0.03	15	5	35
CC75103		10	<1	0.11	20	0.86	414	7	0.03	82	520	76	0.01	5	5	23
CC75104		10	1	0.09	10	1.69	544	7	0.04	121	720	46	0.02	6	7	23
CC75105		10	<1	0.13	10	1.19	1045	6	0.05	107	570	52	0.02	7	5	27
CC75106		<10	<1	0.07	10	0.41	364	<1	0.05	40	1160	6	0.23	<2	1	140
CC75107		10	<1	0.20	10	1.46	842	4	0.07	149	1240	21	0.03	<2	6	49
CC75108		<10	<1	0.05	<10	0.22	256	1	0.04	29	1020	5	0.21	<2	1	172
CC75109		<10	<1	0.19	20	1.30	659	14	0.04	121	1280	15	0.08	3	3	70
CC75110		<10	<1	0.23	20	1.03	667	10	0.05	107	1570	16	0.12	3	3	77
CC75111		<10	1	0.26	10	0.98	646	15	0.04	103	1360	11	0.13	4	2	87
CC75112		<10	<1	0.12	10	1.08	657	3	0.04	45	1120	5	0.13	<2	2	73
CC75113		<10	<1	0.12	10	1.12	672	3	0.03	51	1180	5	0.14	<2	2	67
CC75114		10	<1	0.13	20	0.43	254	5	0.03	23	1480	11	0.03	4	4	30
CC75115		10	<1	0.11	20	0.23	162	8	0.02	12	1220	14	0.03	4	2	44
CC75116		10	1	0.12	20	0.43	238	7	0.03	36	910	12	0.03	3	3	21
CC75117		<10	<1	0.13	20	0.19	166	11	0.02	12	1700	47	0.04	2	2	51
CC75118		<10	<1	0.17	20	0.04	74	66	0.02	42	650	7	0.02	<2	<1	7
CC75119		10	<1	0.16	20	0.45	202	34	0.02	121	670	45	0.01	6	4	20
CC75120		<10	<1	0.30	30	0.13	119	77	0.01	224	1360	515	0.01	32	4	72
CC75121		<10	<1	0.17	10	0.05	176	102	0.02	216	720	98	0.04	15	1	15
CC75122		<10	<1	0.14	20	0.06	74	69	0.01	36	390	100	0.02	13	2	75
CC75123		<10	1	0.21	30	0.03	91	82	0.02	127	600	223	0.02	27	1	15
CC75126		10	<1	0.09	20	0.16	143	19	0.02	14	400	79	0.02	6	2	19
CC75127		10	1	0.09	20	0.18	148	16	0.02	23	350	65	0.02	7	2	21
CC75128		10	<1	0.11	10	0.44	173	7	0.03	25	450	41	0.03	4	3	22
CC75129		10	1	0.09	10	1.02	420	5	0.03	82	640	45	0.03	4	4	38
CC75130		10	<1	0.15	20	1.33	723	8	0.05	123	770	41	0.03	4	7	33
CC75131		<10	2	0.23	20	0.11	77	39	0.02	12	4360	15	0.17	26	3	365
CC75132		<10	2	0.32	30	0.12	127	41	0.02	12	1870	19	0.15	10	2	61
CC75134		<10	<1	0.22	30	0.15	163	80	0.02	164	1250	45	0.03	24	2	83
CC75135		<10	<1	0.25	30	0.13	152	89	0.03	151	1140	62	0.03	13	1	53
CC75136		<10	<1	0.30	20	0.05	86	76	0.01	85	530	41	0.02	22	1	36
CC75137		<10	<1	0.14	20	0.03	105	67	0.02	105	600	22	0.04	11	<1	9
CC75139		<10	1	0.23	20	0.04	166	127	0.02	238	1200	478	0.03	33	2	53

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1016-510 W HASTINGS ST
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Project: RAU

CERTIFICATE OF ANALYSIS VA10076145

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC75096		<20	0.01	<10	<10	104	<10	792
CC75097		<20	0.02	<10	<10	110	<10	951
CC75098		<20	0.01	10	<10	75	<10	78
CC75099		<20	0.03	<10	<10	196	<10	147
CC75100		<20	0.06	<10	<10	219	<10	163
CC75101		<20	0.05	<10	<10	135	<10	124
CC75102		<20	0.03	<10	10	137	<10	407
CC75103		<20	0.11	<10	<10	93	<10	143
CC75104		<20	0.27	<10	<10	138	<10	201
CC75105		<20	0.22	<10	<10	134	<10	218
CC75106		<20	0.04	<10	<10	40	<10	57
CC75107		<20	0.16	<10	<10	95	<10	244
CC75108		<20	0.01	<10	10	24	<10	114
CC75109		<20	0.06	<10	<10	178	<10	370
CC75110		<20	0.05	<10	<10	155	<10	314
CC75111		<20	0.03	<10	<10	171	<10	709
CC75112		<20	0.03	<10	<10	62	<10	220
CC75113		<20	0.03	<10	<10	52	<10	250
CC75114		<20	0.05	<10	<10	210	<10	293
CC75115		<20	0.03	<10	<10	369	<10	119
CC75116		<20	0.04	<10	<10	171	<10	151
CC75117		<20	0.03	<10	<10	205	<10	79
CC75118		<20	0.01	<10	<10	156	<10	135
CC75119		<20	0.05	<10	<10	152	<10	492
CC75120		<20	0.01	<10	10	73	<10	1235
CC75121		<20	0.01	<10	10	70	<10	848
CC75122		<20	0.01	<10	<10	62	<10	234
CC75123		<20	0.02	<10	<10	264	<10	613
CC75126		<20	0.06	<10	<10	153	<10	75
CC75127		<20	0.06	<10	<10	115	<10	98
CC75128		<20	0.05	<10	<10	103	<10	71
CC75129		<20	0.08	<10	<10	118	<10	147
CC75130		<20	0.11	<10	<10	125	<10	219
CC75131		<20	0.01	<10	30	667	<10	58
CC75132		<20	0.01	<10	10	540	<10	44
CC75134		<20	0.02	<10	<10	168	<10	793
CC75135		<20	0.02	<10	<10	153	<10	702
CC75136		<20	0.01	<10	<10	208	<10	322
CC75137		<20	0.01	<10	<10	75	<10	314
CC75139		<20	0.01	<10	10	154	<10	912

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VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10076145

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC75140		0.14	0.041	1.2	0.89	569	<10	440	0.7	<2	0.06	7.0	9	30	89	3.51
CC75141		0.20	0.004	4.0	1.72	391	<10	440	0.7	<2	0.12	3.0	2	68	82	3.74
CC75142		0.20	0.002	0.6	1.83	131	<10	290	<0.5	<2	0.07	2.7	4	41	22	3.42
CC75143		0.16	0.002	0.5	1.73	40	<10	210	<0.5	<2	0.11	<0.5	2	28	13	2.26
CC75144		0.30	0.006	0.3	2.12	79	<10	400	0.5	<2	0.28	1.2	20	71	75	4.36
CC75145		0.30	0.001	<0.2	2.13	38	<10	240	<0.5	<2	0.16	<0.5	14	81	41	4.57
CC75146		0.08	0.001	<0.2	2.59	21	<10	490	0.5	<2	0.40	1.0	12	62	27	4.07
CC75147		0.10	0.004	0.2	1.46	9	<10	230	<0.5	<2	0.08	<0.5	5	42	14	2.11
CC75148		0.10	<0.001	1.4	2.50	5	<10	280	0.6	<2	0.07	1.2	11	32	29	3.62
CC75149		0.18	<0.001	0.2	1.96	12	<10	470	<0.5	<2	0.21	3.0	9	31	20	2.82
CC75150		0.12	0.011	1.7	1.73	32	<10	1430	0.6	<2	0.68	9.3	7	36	62	2.56
CC75151		0.08	0.007	1.3	1.52	34	<10	1170	0.6	<2	0.89	8.8	6	50	71	2.26
CC75152		0.18	0.001	1.6	1.42	40	<10	480	0.5	<2	0.30	4.3	4	44	47	2.15
CC75153		0.18	0.005	0.4	1.74	55	<10	470	0.9	<2	0.07	3.2	6	59	87	2.80
CC75154		0.20	0.002	4.1	2.15	43	<10	790	0.9	<2	0.27	7.9	6	86	64	3.41
CC75155		0.16	0.002	1.1	1.64	22	<10	610	0.6	<2	0.21	2.3	6	55	46	2.62
CC75156		0.18	0.002	1.3	2.50	32	<10	540	0.9	<2	0.20	2.4	8	70	38	3.59
CC75157		0.14	<0.001	1.1	1.46	11	<10	320	0.5	<2	0.07	0.8	2	56	18	1.70
CC75158		0.24	0.001	1.6	0.94	20	<10	1020	0.7	<2	0.19	1.8	1	125	50	2.35
CC75159		0.12	0.003	1.7	0.91	14	<10	630	0.5	<2	0.07	0.8	2	83	43	2.27
CC75160		0.12	<0.001	0.6	0.80	12	<10	180	0.5	<2	0.04	0.8	1	26	142	1.74
CC75161		0.10	0.002	1.2	0.63	63	<10	150	<0.5	<2	0.06	1.9	4	17	40	2.26
CC75162		0.14	NSS	0.7	0.90	75	<10	180	0.8	<2	0.05	6.4	6	23	105	3.07
CC75163		0.22	0.010	1.1	0.63	267	<10	110	0.6	<2	0.04	4.6	6	16	81	3.30
CC75164		0.12	0.006	2.1	1.30	168	<10	250	0.6	<2	0.07	4.1	5	24	59	2.59
CC75165		0.16	0.003	1.4	1.09	128	<10	180	<0.5	<2	0.05	2.3	4	21	33	2.59
CC75166		0.12	0.002	0.5	0.83	28	<10	250	<0.5	<2	0.02	<0.5	2	15	7	0.70
CC75167		0.22	0.009	10.4	1.30	501	<10	460	0.5	<2	0.09	5.6	5	48	65	4.06
CC75168		0.20	0.010	3.4	2.09	135	<10	210	0.5	<2	0.08	1.0	6	36	34	3.75
CC75169		0.12	<0.001	0.5	1.52	47	<10	190	<0.5	<2	0.10	<0.5	4	32	12	3.31
CC75170		0.14	0.002	0.8	2.55	62	<10	390	<0.5	<2	0.15	1.1	17	103	55	5.12
CC75171		0.12	0.002	0.3	2.34	29	<10	360	<0.5	<2	0.18	<0.5	11	69	46	4.14
CC75172		0.10	<0.001	0.3	3.55	5	<10	630	<0.5	<2	1.15	<0.5	44	229	83	6.56
CC75173		0.08	0.006	0.3	2.68	8	<10	1090	<0.5	<2	1.98	1.2	31	148	72	4.64
CC75174		0.10	NSS	0.3	1.50	10	<10	450	<0.5	<2	0.15	1.0	6	51	19	2.26
CC75175		0.06	NSS	1.1	1.35	15	<10	880	<0.5	<2	3.42	9.4	10	56	71	2.07
CC75176		0.06	0.003	0.4	1.80	15	<10	690	0.5	<2	1.54	3.6	15	53	53	3.81
CC75177		0.18	0.004	1.2	1.25	33	<10	460	0.5	<2	4.33	7.4	8	36	77	2.53
CC75178		0.18	0.003	1.0	1.77	23	<10	570	0.6	<2	0.89	2.4	11	46	74	3.33
CC75179		0.14	0.008	1.2	1.86	18	<10	640	0.5	<2	1.09	3.1	10	55	74	3.38

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
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Project: RAU

CERTIFICATE OF ANALYSIS VA10076145

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC75140		<10	<1	0.33	40	0.04	162	188	0.02	288	840	623	0.03	23	3	21
CC75141		<10	2	0.31	20	0.12	258	53	0.04	45	2320	119	0.12	131	1	347
CC75142		10	1	0.17	20	0.19	377	27	0.03	24	920	105	0.05	19	3	40
CC75143		10	1	0.12	20	0.23	136	9	0.03	11	390	41	0.02	6	2	31
CC75144		10	1	0.16	20	0.80	520	17	0.03	104	1080	76	0.03	11	4	50
CC75145		10	1	0.07	10	0.84	283	8	0.03	70	390	65	0.02	5	4	25
CC75146		10	<1	0.18	20	0.84	344	4	0.05	53	470	18	0.03	<2	4	34
CC75147		10	1	0.12	10	0.35	120	2	0.03	20	500	13	0.04	<2	1	16
CC75148		10	1	0.28	30	0.56	473	7	0.03	26	450	26	0.02	<2	3	12
CC75149		10	<1	0.16	20	0.52	492	7	0.05	20	390	42	0.02	<2	2	19
CC75150		10	1	0.24	20	0.42	335	10	0.04	43	820	46	0.04	5	3	44
CC75151		<10	1	0.26	10	0.48	384	13	0.04	42	1520	31	0.08	6	3	71
CC75152		10	1	0.21	20	0.32	145	23	0.03	50	610	43	0.04	9	2	38
CC75153		<10	1	0.24	20	0.36	192	25	0.02	76	560	37	0.03	12	3	49
CC75154		10	<1	0.24	20	0.44	214	14	0.03	42	2760	25	0.04	8	4	101
CC75155		10	<1	0.22	20	0.35	326	14	0.03	31	1550	30	0.05	5	3	61
CC75156		10	1	0.20	20	0.52	312	10	0.04	30	2030	21	0.04	5	4	50
CC75157		10	<1	0.20	20	0.14	95	17	0.02	6	950	18	0.07	3	2	31
CC75158		<10	1	0.15	20	0.07	269	16	0.03	7	6240	19	0.09	11	1	147
CC75159		<10	1	0.28	30	0.09	135	46	0.03	7	1940	19	0.20	9	<1	63
CC75160		<10	<1	0.22	20	0.05	90	58	0.02	35	840	10	0.04	4	1	27
CC75161		<10	<1	0.27	20	0.04	102	57	0.02	84	600	30	0.05	19	1	12
CC75162		<10	1	0.23	20	0.07	145	79	0.02	153	970	24	0.04	29	1	26
CC75163		<10	<1	0.16	20	0.07	172	85	0.02	191	840	149	0.05	58	1	20
CC75164		<10	1	0.17	20	0.11	142	54	0.03	87	780	201	0.04	14	1	49
CC75165		<10	<1	0.12	20	0.11	184	48	0.01	60	600	195	0.02	11	2	46
CC75166		<10	1	0.17	30	0.05	57	11	0.02	10	250	121	0.01	<2	<1	15
CC75167		<10	1	0.39	20	0.20	311	172	0.03	39	1410	184	0.47	143	3	199
CC75168		10	1	0.12	20	0.28	230	26	0.02	40	780	169	0.03	16	3	36
CC75169		10	1	0.14	20	0.27	244	12	0.03	15	310	53	0.02	5	3	26
CC75170		10	1	0.11	10	1.06	334	13	0.03	93	550	55	0.03	7	5	30
CC75171		10	<1	0.15	10	0.68	277	4	0.04	52	500	27	0.03	<2	4	25
CC75172		10	1	0.14	10	2.48	856	<1	0.07	157	1060	<2	0.06	<2	10	39
CC75173		10	<1	0.21	10	1.10	641	<1	0.06	147	990	7	0.11	<2	7	85
CC75174		10	1	0.20	20	0.39	171	12	0.05	33	520	10	0.03	<2	2	21
CC75175		<10	1	0.13	10	0.65	364	7	0.04	107	1740	8	0.20	3	2	202
CC75176		<10	1	0.28	20	0.91	655	6	0.04	68	1460	22	0.09	2	4	70
CC75177		<10	<1	0.26	10	2.88	393	13	0.03	95	2030	50	0.04	4	3	97
CC75178		<10	<1	0.25	20	1.04	488	9	0.03	65	1520	12	0.05	<2	3	64
CC75179		<10	<1	0.32	20	1.17	515	10	0.03	70	3340	13	0.09	2	4	111

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10076145

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2
CC75140		<20	0.01	<10	10	360	<10	859
CC75141		<20	0.02	10	30	1280	<10	166
CC75142		<20	0.06	<10	<10	473	<10	237
CC75143		<20	0.05	<10	<10	141	<10	51
CC75144		<20	0.09	<10	<10	136	<10	270
CC75145		<20	0.17	<10	<10	116	<10	111
CC75146		<20	0.10	<10	<10	94	<10	108
CC75147		<20	0.03	<10	<10	68	<10	34
CC75148		<20	0.02	<10	<10	48	<10	102
CC75149		<20	0.04	<10	<10	74	<10	276
CC75150		<20	0.02	<10	<10	193	<10	383
CC75151		<20	0.02	<10	<10	316	<10	278
CC75152		<20	0.03	<10	<10	339	<10	338
CC75153		<20	0.02	<10	<10	404	<10	396
CC75154		<20	0.05	<10	10	464	<10	386
CC75155		<20	0.04	<10	<10	358	<10	207
CC75156		<20	0.05	<10	<10	264	<10	215
CC75157		<20	0.03	<10	<10	707	<10	65
CC75158		<20	0.01	<10	70	254	<10	47
CC75159		<20	0.01	<10	10	311	<10	35
CC75160		<20	0.01	<10	10	295	<10	109
CC75161		<20	0.01	<10	<10	184	<10	385
CC75162		<20	0.01	<10	10	146	<10	659
CC75163		<20	0.01	<10	10	77	<10	707
CC75164		<20	0.03	<10	10	136	<10	364
CC75165		<20	0.03	<10	<10	134	<10	325
CC75166		<20	0.01	<10	<10	192	<10	45
CC75167		<20	0.03	<10	10	811	<10	195
CC75168		<20	0.05	<10	<10	159	<10	233
CC75169		<20	0.07	<10	<10	135	<10	73
CC75170		<20	0.25	<10	<10	177	<10	181
CC75171		<20	0.11	<10	<10	112	<10	88
CC75172		<20	0.34	<10	<10	121	<10	143
CC75173		<20	0.12	<10	<10	96	<10	186
CC75174		<20	0.09	<10	<10	141	<10	87
CC75175		<20	0.03	<10	<10	172	<10	384
CC75176		<20	0.05	<10	<10	111	<10	297
CC75177		<20	0.03	<10	<10	205	<10	637
CC75178		<20	0.05	<10	<10	156	<10	404
CC75179		<20	0.07	<10	<10	270	<10	536

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1016-510 W HASTINGS ST
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Project: RAU

CERTIFICATE OF ANALYSIS VA10076145

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC75181		0.28	<0.001	0.5	2.65	25	<10	280	0.6	<2	0.16	1.3	9	41	28	3.63
CC75182		0.08	0.009	1.1	0.65	15	<10	2250	<0.5	<2	2.82	37.2	4	16	76	1.08
CC75183		0.24	0.005	1.3	1.38	70	<10	600	0.7	<2	0.92	9.2	8	40	73	2.64
CC75184		0.30	0.005	2.0	1.36	79	<10	680	0.8	<2	0.47	17.2	8	48	120	2.45
CC75185		0.40	0.005	1.1	1.95	60	<10	480	0.8	<2	0.18	8.2	9	44	66	2.78
CC75186		0.34	0.002	1.5	1.88	23	<10	520	0.5	<2	0.25	2.6	9	43	23	2.67
CC75187		0.30	<0.001	1.0	1.29	9	<10	520	<0.5	<2	0.14	2.4	3	45	23	1.43
CC75188		0.22	0.001	2.0	2.03	25	<10	390	0.7	<2	0.12	2.1	6	68	51	2.57
CC75189		0.26	0.004	2.0	1.30	28	<10	250	0.5	<2	0.06	0.7	2	52	50	1.97
CC75190		0.20	<0.001	2.7	1.00	29	<10	540	0.8	<2	0.11	1.2	2	60	128	2.17
CC75191		0.28	0.002	4.3	1.04	16	<10	560	0.5	<2	0.05	1.0	2	62	55	1.78
CC75192		0.20	0.014	1.3	1.11	76	<10	240	1.0	<2	0.09	15.5	10	24	141	3.67
CC75193		0.28	0.001	1.0	1.43	63	<10	210	0.6	<2	0.10	4.3	6	27	89	3.13
CC75194		0.22	0.002	2.7	1.66	59	<10	220	0.6	<2	0.07	5.2	5	28	30	2.64
CC75195		0.24	0.001	0.8	1.75	43	<10	270	<0.5	<2	0.10	3.5	6	27	20	2.50
CC75196		0.22	0.007	0.8	0.52	207	<10	110	<0.5	<2	0.03	2.5	6	14	94	2.58
CC75197		0.36	0.026	1.7	0.43	503	<10	280	<0.5	<2	0.02	18.1	6	16	44	2.71
CC75198		0.26	0.025	1.5	0.43	387	<10	250	<0.5	<2	0.11	19.3	7	22	153	2.53
CC75199		0.38	0.007	10.5	0.97	422	<10	340	<0.5	<2	0.06	3.0	3	41	92	2.90
CC75200		0.28	0.009	1.3	1.68	168	<10	240	0.5	<2	0.06	1.8	7	50	61	3.17
CC75201		0.16	0.004	0.4	1.81	70	<10	210	<0.5	<2	0.19	1.2	8	42	39	3.64
CC75202		0.22	0.001	0.3	2.98	35	<10	220	0.6	<2	0.09	<0.5	9	44	24	3.96
CC75203		0.28	0.002	0.3	3.13	66	<10	350	0.5	<2	0.15	<0.5	26	127	74	5.91
CC75204		0.18	<0.001	0.3	2.40	13	<10	770	<0.5	<2	4.89	1.1	29	72	58	5.27
CC75205		0.08	<0.001	0.2	1.85	9	<10	730	<0.5	<2	2.38	1.4	18	89	71	3.47
CC75206		0.14	0.002	0.5	1.98	29	<10	510	<0.5	<2	0.53	2.7	16	79	53	4.37
CC75207		0.12	0.004	0.8	1.93	18	<10	1030	0.5	<2	1.49	0.9	15	67	80	3.37
CC75208		0.46	0.007	2.2	2.04	34	<10	680	<0.5	<2	0.93	8.8	25	89	127	4.88
CC75209		0.20	0.003	1.0	1.84	24	<10	580	<0.5	<2	0.99	3.4	19	61	72	4.21
CC75210		0.22	0.003	0.7	1.67	19	<10	500	<0.5	<2	1.29	1.8	18	68	65	3.95
CC75211		0.24	0.002	0.6	1.25	15	<10	400	<0.5	<2	1.20	3.5	14	25	60	3.54
CC75212		0.16	0.003	0.5	1.62	10	<10	570	<0.5	<2	0.95	1.8	12	32	55	3.01
CC75213		0.16	NSS	0.7	1.72	21	<10	660	0.5	<2	2.07	11.9	16	43	101	3.17
CC75214		0.32	0.004	1.5	1.98	36	<10	380	0.7	<2	0.46	3.0	5	60	155	2.90
CC75215		0.28	0.005	1.9	1.55	60	<10	270	0.8	<2	0.59	4.6	4	63	263	2.87
CC75216		0.24	<0.001	1.3	0.71	13	<10	220	<0.5	<2	0.06	1.1	1	45	97	1.27
CC75217		0.24	0.001	0.5	0.98	73	<10	160	0.5	<2	0.08	5.8	5	23	67	3.36
CC75218		0.22	0.004	0.5	1.36	83	<10	190	1.1	<2	0.11	8.0	9	24	140	3.58
CC75219		0.24	0.001	0.5	0.80	78	<10	150	0.6	<2	0.04	2.6	6	19	47	3.00
CC75220		0.20	0.001	0.5	1.33	40	<10	230	<0.5	<2	0.11	5.2	5	28	25	2.29

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Project: RAU

CERTIFICATE OF ANALYSIS VA10076145

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC75181		10	<1	0.24	30	0.84	433	11	0.03	39	340	10	0.01	<2	3	20
CC75182		<10	<1	0.09	<10	0.48	247	7	0.05	195	1550	17	0.20	5	1	136
CC75183		<10	1	0.21	10	0.55	357	22	0.02	90	1450	44	0.06	11	3	52
CC75184		<10	1	0.20	20	0.37	340	36	0.02	101	1270	72	0.06	15	2	64
CC75185		<10	<1	0.13	20	0.46	295	14	0.02	71	580	43	0.02	9	4	28
CC75186		10	<1	0.11	10	0.48	326	7	0.02	33	1790	33	0.02	<2	3	29
CC75187		<10	<1	0.12	20	0.18	160	9	0.02	13	720	27	0.04	<2	2	56
CC75188		10	1	0.18	20	0.42	162	11	0.02	29	1260	34	0.03	4	4	81
CC75189		<10	1	0.14	20	0.15	106	20	0.02	17	1510	18	0.06	4	2	39
CC75190		<10	1	0.21	20	0.07	71	44	0.01	76	3490	14	0.07	12	2	183
CC75191		<10	<1	0.16	20	0.08	93	21	0.02	9	1650	18	0.09	4	<1	43
CC75192		<10	<1	0.23	20	0.17	187	96	0.02	202	970	29	0.03	16	2	25
CC75193		<10	<1	0.15	20	0.24	192	46	0.02	85	900	23	0.03	6	2	22
CC75194		10	<1	0.20	20	0.22	176	42	0.02	48	620	23	0.03	11	2	25
CC75195		10	<1	0.09	10	0.26	236	20	0.02	43	600	36	0.02	3	2	23
CC75196		<10	<1	0.16	20	0.03	102	106	0.02	173	610	175	0.02	15	1	42
CC75197		<10	1	0.18	30	0.02	147	192	0.01	205	620	660	0.01	17	3	18
CC75198		<10	1	0.14	30	0.04	119	142	0.01	241	1150	401	0.04	46	3	69
CC75199		<10	1	0.21	10	0.16	205	101	0.02	25	1190	140	0.31	166	3	88
CC75200		<10	1	0.10	20	0.21	145	36	0.02	66	880	146	0.08	37	2	70
CC75201		10	<1	0.11	20	0.48	309	12	0.03	39	620	59	0.05	10	3	40
CC75202		10	1	0.08	10	0.37	239	6	0.02	25	470	40	0.04	5	3	20
CC75203		10	1	0.08	10	1.54	391	10	0.02	128	430	47	0.03	8	7	33
CC75204		10	1	0.16	20	1.36	1570	4	0.03	192	1410	10	0.08	4	5	157
CC75205		10	1	0.15	10	1.01	666	1	0.04	111	800	14	0.11	<2	5	97
CC75206		10	1	0.10	10	0.64	334	9	0.03	88	970	25	0.10	3	4	44
CC75207		<10	1	0.12	10	0.97	342	14	0.03	130	1300	28	0.11	4	4	101
CC75208		<10	1	0.19	20	1.50	504	16	0.02	266	2280	26	0.06	7	5	99
CC75209		<10	1	0.22	20	1.15	349	11	0.03	114	1580	32	0.06	6	4	57
CC75210		<10	2	0.17	20	1.17	464	11	0.03	96	1450	17	0.11	3	3	58
CC75211		<10	1	0.21	20	0.80	446	7	0.02	55	1910	14	0.09	3	2	54
CC75212		<10	1	0.27	20	1.06	404	7	0.03	38	1420	15	0.09	2	3	51
CC75213		<10	1	0.22	10	1.27	904	7	0.04	66	1320	21	0.15	3	2	63
CC75214		10	1	0.20	20	0.30	148	18	0.03	36	3760	50	0.10	8	4	94
CC75215		<10	3	0.19	20	0.19	159	46	0.02	111	4330	34	0.04	27	3	67
CC75216		<10	<1	0.15	20	0.04	52	23	0.02	44	1460	16	0.05	4	<1	75
CC75217		<10	<1	0.22	20	0.10	205	75	0.02	117	740	17	0.04	15	2	21
CC75218		<10	1	0.23	20	0.19	229	76	0.02	186	1250	23	0.03	14	2	52
CC75219		<10	<1	0.29	30	0.06	138	92	0.02	138	580	20	0.04	19	1	10
CC75220		10	<1	0.16	20	0.24	153	32	0.03	69	590	31	0.04	8	2	23

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 28-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10076145

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC75181		<20	0.03	<10	<10	84	<10	186
CC75182		<20	0.01	<10	10	96	<10	866
CC75183		<20	0.02	<10	<10	220	<10	608
CC75184		<20	0.02	<10	<10	384	<10	563
CC75185		<20	0.04	<10	<10	193	<10	556
CC75186		<20	0.04	<10	<10	159	<10	473
CC75187		<20	0.03	<10	<10	321	<10	168
CC75188		<20	0.04	<10	<10	459	<10	240
CC75189		<20	0.02	<10	<10	505	<10	111
CC75190		<20	0.01	<10	10	420	<10	251
CC75191		<20	0.01	<10	<10	303	<10	62
CC75192		<20	0.02	<10	<10	112	<10	1155
CC75193		<20	0.03	<10	<10	107	<10	464
CC75194		<20	0.03	<10	<10	186	<10	522
CC75195		<20	0.03	<10	<10	90	<10	435
CC75196		<20	0.01	<10	<10	103	<10	643
CC75197		<20	<0.01	<10	10	189	<10	912
CC75198		<20	0.01	<10	10	206	<10	767
CC75199		<20	0.03	<10	10	506	<10	121
CC75200		<20	0.03	<10	<10	205	<10	357
CC75201		<20	0.05	<10	<10	154	<10	132
CC75202		<20	0.06	<10	<10	87	<10	81
CC75203		<20	0.20	<10	<10	155	<10	251
CC75204		<20	0.05	<10	<10	113	<10	433
CC75205		<20	0.11	<10	<10	71	<10	190
CC75206		<20	0.07	<10	<10	110	<10	175
CC75207		<20	0.04	<10	<10	180	<10	420
CC75208		<20	0.09	<10	<10	167	<10	1175
CC75209		<20	0.07	<10	<10	133	<10	494
CC75210		<20	0.06	<10	<10	109	<10	242
CC75211		<20	0.03	<10	<10	76	<10	304
CC75212		<20	0.04	<10	<10	107	<10	259
CC75213		<20	0.04	<10	<10	96	<10	288
CC75214		<20	0.04	<10	10	344	<10	318
CC75215		<20	0.02	<10	10	460	<10	375
CC75216		<20	<0.01	<10	<10	247	<10	167
CC75217		<20	0.02	<10	<10	140	<10	542
CC75218		<20	0.02	<10	10	103	<10	1065
CC75219		<20	0.01	<10	<10	191	<10	561
CC75220		<20	0.04	<10	<10	105	<10	489

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10076145

Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
Sample Description LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC75221	0.24	0.013	1.3	0.59	271	<10	80	0.9	<2	0.03	7.1	9	13	105	3.45
CC75222	0.24	0.076	1.7	0.56	458	<10	430	<0.5	<2	0.12	19.0	8	25	177	3.03
CC75223	0.26	0.014	6.0	0.59	260	<10	450	<0.5	<2	0.16	5.3	2	47	122	2.60
CC75224	0.34	0.003	3.5	1.24	296	<10	570	0.6	<2	0.12	11.6	5	34	340	3.50
CC75225	0.34	0.008	0.9	1.81	109	<10	280	0.6	<2	0.12	1.8	10	36	102	3.18
CC75226	0.42	0.002	0.4	2.71	48	<10	370	0.6	<2	0.25	0.5	22	83	66	4.39
CC75227	0.30	0.002	0.2	2.41	43	<10	370	<0.5	<2	0.22	<0.5	16	92	54	4.71
CC75228	0.26	0.002	<0.2	2.90	30	<10	630	0.5	<2	0.38	0.7	30	115	77	5.45
CC75229	0.36	0.001	<0.2	3.17	5	<10	790	<0.5	<2	0.23	<0.5	36	153	61	5.62
CC75230	0.24	0.002	0.2	2.77	24	<10	340	<0.5	<2	0.17	<0.5	24	129	62	6.77
CC75231	0.10	0.009	1.4	1.19	57	<10	550	0.5	<2	1.72	29.8	12	48	66	2.39
CC75232	0.28	0.006	0.7	1.54	48	<10	510	0.6	<2	0.25	8.7	7	44	76	2.47
CC75233	0.30	0.002	0.8	1.49	37	<10	350	<0.5	<2	0.10	2.2	6	46	36	2.19
CC75234	0.28	0.006	1.2	1.62	40	<10	410	0.5	<2	0.20	3.4	7	38	42	2.50
CC75235	0.20	0.004	3.1	1.93	41	<10	460	0.5	<2	0.23	5.2	9	40	35	3.13
CC75236	0.22	0.002	3.1	1.10	59	<10	300	0.6	<2	0.06	2.3	2	78	47	1.98
CC75237	0.24	0.010	1.5	2.02	67	<10	430	0.7	<2	0.13	5.0	10	55	142	3.20
CC75238	0.26	0.002	1.3	0.86	90	<10	140	0.6	<2	0.38	2.0	3	49	336	2.09
CC75239	0.20	0.005	3.3	1.15	43	<10	140	0.6	<2	0.13	1.9	4	52	265	2.22
CC75240	0.22	<0.001	1.0	0.67	44	<10	100	<0.5	<2	0.04	2.2	5	16	148	2.31
CC75241	0.24	0.001	1.7	0.62	76	<10	120	0.8	<2	0.05	8.4	11	14	141	2.98
CC75242	0.26	0.002	1.6	0.91	73	<10	200	1.1	<2	0.13	17.6	11	18	127	3.39
CC75243	0.18	0.001	1.6	1.69	59	<10	370	0.9	<2	0.12	7.9	7	32	91	3.37
CC75244	0.20	<0.001	1.1	0.72	51	<10	130	<0.5	<2	0.03	4.3	4	15	28	2.25
CC75245	0.28	0.008	1.1	0.80	122	<10	210	0.6	<2	0.05	7.3	5	16	89	2.54
CC75246	0.26	0.002	1.4	1.47	81	<10	220	0.6	<2	0.09	3.8	7	27	50	2.72
CC75247	0.30	0.055	4.5	0.37	268	<10	90	<0.5	<2	0.01	5.7	4	11	104	2.32
CC75248	0.36	<0.001	1.3	1.29	51	<10	130	<0.5	<2	0.06	0.8	5	20	11	1.96
CC75249	0.26	0.004	0.4	2.61	96	<10	270	0.5	<2	0.10	1.4	13	52	57	4.30
CC75250	0.14	<0.001	0.3	1.23	8	<10	320	<0.5	<2	0.30	0.6	9	58	29	2.05
CC75251	0.42	0.004	0.6	1.90	32	<10	240	<0.5	2	0.08	<0.5	11	53	29	3.82
CC75252	0.22	<0.001	0.4	2.49	21	<10	600	<0.5	<2	0.68	0.5	19	96	45	5.57
CC75253	0.12	0.048	0.4	0.60	4	<10	300	<0.5	<2	2.78	1.8	4	21	16	1.21
CC75254	0.14	0.002	0.7	1.21	12	<10	500	<0.5	<2	1.91	3.8	9	32	33	2.14
CC75255	0.20	0.001	1.7	1.27	7	<10	610	<0.5	<2	2.49	2.6	9	41	39	1.62
CC75256	0.22	<0.001	0.5	1.05	6	<10	340	<0.5	<2	1.54	2.1	9	25	38	2.52
CC75257	0.20	0.005	0.9	1.56	16	<10	430	<0.5	<2	0.26	2.0	13	48	62	3.54
CC75258	0.26	0.006	0.5	1.45	8	<10	380	<0.5	<2	0.79	1.2	13	32	52	3.27
CC75259	0.18	0.001	0.6	1.39	10	<10	490	0.5	<2	1.69	1.8	10	27	48	2.60
CC75260	0.14	0.003	0.4	0.82	<2	<10	310	<0.5	<2	1.80	2.7	9	15	52	2.14

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10076145

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
CC75221		<10	1	0.11	20	0.02	133	155	0.01	316	990	445	0.03	26	2	52
CC75222		<10	1	0.19	30	0.03	109	203	0.02	288	1420	1040	0.03	90	3	41
CC75223		<10	2	0.20	20	0.06	106	68	0.02	46	2290	140	0.27	118	1	132
CC75224		<10	1	0.11	10	0.08	186	75	0.02	180	3100	187	0.08	65	3	690
CC75225		<10	1	0.11	20	0.49	369	22	0.02	67	750	125	0.05	18	4	61
CC75226		10	1	0.08	10	1.02	801	9	0.02	75	620	33	0.03	5	5	36
CC75227		10	1	0.07	10	0.90	332	6	0.02	77	610	30	0.04	6	3	35
CC75228		10	<1	0.07	10	1.49	728	4	0.03	128	830	20	0.04	3	8	31
CC75229		10	<1	0.08	10	1.48	612	1	0.03	108	520	4	0.02	<2	13	11
CC75230		10	1	0.14	10	1.36	453	6	0.02	118	760	38	0.09	2	5	29
CC75231		<10	1	0.14	10	0.75	2640	22	0.04	122	1230	36	0.10	13	3	57
CC75232		<10	1	0.13	20	0.41	249	21	0.02	82	740	41	0.04	9	2	36
CC75233		<10	<1	0.11	10	0.38	158	12	0.02	37	630	44	0.04	7	2	27
CC75234		10	<1	0.11	10	0.52	267	15	0.02	41	1110	54	0.05	9	3	30
CC75235		10	1	0.13	20	0.42	509	14	0.02	37	2630	64	0.04	6	3	29
CC75236		<10	1	0.13	20	0.23	92	16	0.01	17	1960	12	0.06	13	1	76
CC75237		<10	<1	0.12	10	0.56	206	26	0.01	110	820	57	0.02	7	3	25
CC75238		<10	<1	0.12	20	0.09	68	92	0.01	183	2910	84	0.01	33	1	34
CC75239		<10	1	0.13	20	0.09	105	49	0.01	144	2140	29	0.02	14	<1	23
CC75240		<10	<1	0.10	20	0.07	160	70	0.01	140	800	78	0.02	7	1	15
CC75241		<10	1	0.12	20	0.06	445	124	0.01	180	960	277	0.02	17	2	21
CC75242		<10	<1	0.09	20	0.14	326	78	0.01	209	1030	129	0.03	21	2	30
CC75243		10	<1	0.11	20	0.30	154	53	0.02	101	840	92	0.04	18	2	27
CC75244		<10	<1	0.11	10	0.06	99	54	0.01	67	560	24	0.03	8	<1	10
CC75245		<10	<1	0.12	20	0.07	377	51	0.01	85	890	84	0.05	12	1	52
CC75246		<10	1	0.08	10	0.26	235	27	0.01	75	740	83	0.02	8	2	46
CC75247		<10	<1	0.10	20	0.01	47	169	0.01	116	680	1280	0.03	43	2	29
CC75248		10	<1	0.04	10	0.17	236	11	0.01	17	300	36	0.02	4	2	31
CC75249		<10	1	0.08	10	0.48	309	17	0.01	77	830	57	0.04	12	3	55
CC75250		10	<1	0.07	10	0.39	350	4	0.03	45	540	13	0.04	<2	2	30
CC75251		10	<1	0.05	10	0.51	334	4	0.01	62	410	30	0.02	3	3	22
CC75252		10	1	0.09	10	1.10	462	3	0.03	93	730	30	0.05	3	5	50
CC75253		<10	1	0.06	<10	0.36	114	2	0.02	22	750	2	0.16	<2	1	89
CC75254		<10	1	0.13	10	0.70	370	7	0.03	59	1040	11	0.12	<2	2	97
CC75255		<10	<1	0.11	10	0.62	412	6	0.03	84	1150	9	0.18	<2	2	134
CC75256		<10	<1	0.15	10	0.56	281	5	0.02	42	1470	7	0.15	<2	2	67
CC75257		<10	1	0.17	20	0.76	367	11	0.02	82	1330	13	0.06	2	3	36
CC75258		<10	<1	0.13	20	0.77	428	4	0.02	50	1530	11	0.04	<2	3	39
CC75259		<10	<1	0.13	10	0.64	767	2	0.03	37	1550	11	0.13	<2	2	54
CC75260		<10	<1	0.12	10	0.62	348	5	0.02	38	1130	6	0.14	<2	1	61

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Project: RAU

Finalized Date: 28-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10076145

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC75221		<20	<0.01	<10	20	78	<10	1110
CC75222		<20	<0.01	<10	10	246	<10	977
CC75223		<20	0.01	10	20	428	<10	222
CC75224		<20	0.01	<10	30	374	<10	641
CC75225		<20	0.04	<10	<10	124	<10	291
CC75226		<20	0.11	<10	<10	119	<10	126
CC75227		<20	0.22	<10	<10	115	<10	143
CC75228		<20	0.14	<10	<10	107	<10	178
CC75229		<20	0.20	<10	<10	119	<10	113
CC75230		<20	0.15	<10	<10	122	<10	195
CC75231		<20	0.03	<10	<10	163	<10	665
CC75232		<20	0.02	<10	<10	230	<10	635
CC75233		<20	0.03	<10	<10	241	<10	295
CC75234		<20	0.04	<10	<10	180	<10	285
CC75235		<20	0.04	<10	<10	222	<10	565
CC75236		<20	0.01	<10	20	470	<10	111
CC75237		<20	0.04	<10	<10	176	<10	827
CC75238		<20	0.01	<10	<10	585	<10	565
CC75239		<20	0.01	<10	10	366	<10	495
CC75240		<20	0.01	<10	<10	102	<10	464
CC75241		<20	0.01	<10	10	94	<10	945
CC75242		<20	0.02	<10	<10	114	<10	1460
CC75243		<20	0.05	<10	<10	129	<10	611
CC75244		<20	0.02	<10	<10	125	<10	363
CC75245		<20	0.01	<10	10	82	<10	487
CC75246		<20	0.03	<10	<10	114	<10	654
CC75247		<20	0.01	<10	10	98	<10	695
CC75248		<20	0.04	<10	<10	122	<10	68
CC75249		<20	0.04	<10	<10	139	<10	289
CC75250		<20	0.12	<10	<10	74	<10	54
CC75251		<20	0.05	<10	<10	95	<10	204
CC75252		<20	0.10	<10	<10	116	<10	201
CC75253		<20	0.02	<10	<10	36	<10	88
CC75254		<20	0.03	<10	<10	108	<10	300
CC75255		<20	0.03	<10	<10	152	<10	365
CC75256		<20	0.03	<10	<10	45	<10	140
CC75257		<20	0.06	<10	<10	107	<10	297
CC75258		<20	0.05	<10	<10	57	<10	179
CC75259		<20	0.02	<10	<10	50	<10	165
CC75260		<20	0.02	<10	<10	41	<10	164

***** See Appendix Page for comments regarding this certificate *****

ALS Chemex
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ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 28-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10076145

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non-sufficient sample.

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 25-JUN-2010
Account: RCM

CERTIFICATE VA10076146

Project: RAU

P.O. No.: NOW

This report is for 268 Soil samples submitted to our lab in Vancouver, BC, Canada on 14-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

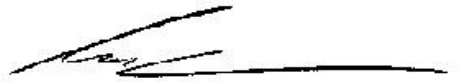
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-31	Pulverize split to 85% <75 um
LOG-22	Sample login - Rcd w/o BarCode
SCR-43	Screen to -500um, discard plus
SCR-01	Screen - Save plus fraction

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Pb-OG46	Ore Grade Pb - Aqua Regia	VARIABLE
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Project: RAU

Finalized Date: 25-JUN-2010
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CERTIFICATE OF ANALYSIS VA10076146

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC74740		0.08	0.012	1.3	1.09	89	<10	450	<0.5	2	1.40	4.4	9	23	59	2.72
CC74741		0.12	0.016	1.2	1.12	71	<10	320	0.5	5	1.05	4.0	10	25	63	3.08
CC74742		0.38	0.121	0.8	0.66	59	<10	300	<0.5	<2	3.59	3.5	7	19	47	2.33
CC74743		0.16	0.004	0.4	1.04	23	<10	200	<0.5	<2	4.17	1.6	9	22	32	2.63
CC74744		0.08	0.009	0.3	1.05	17	<10	170	<0.5	2	4.57	1.0	9	20	30	2.61
CC74745		0.12	0.006	0.6	1.06	40	<10	250	<0.5	<2	1.43	2.5	10	28	53	2.73
CC74746		0.20	0.003	0.5	1.03	14	<10	280	<0.5	<2	2.20	3.8	9	24	40	2.58
CC74747		0.08	0.007	0.8	1.02	32	<10	420	<0.5	<2	1.63	4.1	7	29	59	2.52
CC74748		0.04	NSS	0.5	0.56	31	<10	260	<0.5	2	2.56	6.9	4	12	67	1.37
CC74749		0.32	0.015	0.6	0.91	42	<10	260	<0.5	2	2.53	2.5	8	20	54	2.49
CC74750		0.02	NSS	1.9	1.66	65	<10	560	0.6	<2	2.09	16.9	23	32	126	3.17
CC74751		0.02	NSS	0.7	0.87	60	<10	290	<0.5	3	2.45	9.7	8	19	43	2.43
CC74752		0.04	0.007	0.9	1.38	37	<10	340	0.5	<2	1.58	3.4	10	28	47	3.03
CC74753		0.32	0.003	0.3	0.94	31	<10	210	<0.5	<2	5.16	1.6	8	20	38	2.54
CC74754		0.22	0.010	0.5	0.93	22	<10	160	<0.5	<2	3.88	5.8	7	20	35	1.77
CC74755		0.38	0.038	1.7	0.80	112	<10	300	0.5	10	0.83	6.1	10	20	95	3.40
CC74756		0.18	0.011	0.7	1.06	42	<10	320	0.5	3	0.65	2.4	7	23	49	2.37
CC74757		0.26	0.010	0.5	1.06	44	<10	200	<0.5	<2	0.07	1.9	4	23	62	2.56
CC74758		0.02	0.010	0.9	1.08	203	<10	370	<0.5	9	2.35	5.9	20	18	60	4.06
CC74759		0.18	0.011	0.7	1.12	124	<10	240	<0.5	2	3.46	4.0	17	26	53	3.88
CC74760		0.22	0.005	0.4	1.13	54	<10	170	<0.5	<2	4.42	1.8	10	21	39	2.98
CC74761		0.04	0.013	0.5	0.91	21	<10	270	<0.5	<2	3.23	4.4	9	21	43	1.77
CC74762		0.08	0.005	0.4	0.78	24	<10	260	<0.5	<2	2.71	3.3	5	16	31	1.79
CC74763		0.12	0.001	0.3	0.50	9	<10	280	<0.5	<2	2.16	2.9	2	8	42	0.93
CC74764		0.12	0.005	0.6	0.97	35	<10	270	<0.5	<2	0.78	1.9	6	26	29	2.35
CC74765		0.18	0.027	1.2	1.04	60	<10	390	<0.5	2	1.36	6.3	9	24	55	3.30
CC74766		0.14	0.005	0.5	1.00	30	<10	250	<0.5	2	4.19	1.5	8	20	29	2.69
CC74767		0.22	0.004	0.5	1.02	19	<10	220	<0.5	<2	4.16	1.0	8	19	34	2.43
CC74768		0.12	0.007	0.6	0.87	27	<10	320	<0.5	<2	2.22	5.4	9	20	37	2.74
CC74769		0.26	0.008	0.4	0.83	25	<10	240	<0.5	<2	2.81	2.1	9	20	43	2.56
CC74770		0.24	0.003	0.7	1.13	27	<10	300	<0.5	<2	2.77	1.8	11	26	46	3.29
CC74771		0.28	0.004	0.7	1.12	27	<10	250	<0.5	<2	3.69	2.1	10	24	46	3.11
CC74772		0.44	0.005	0.5	1.48	25	<10	190	0.5	<2	0.22	1.5	11	27	34	3.38
CC74773		0.26	0.007	0.5	1.06	23	<10	360	<0.5	<2	1.38	2.0	9	25	35	2.84
CC74774		0.22	0.003	0.4	0.92	21	<10	240	<0.5	<2	4.83	2.7	8	19	35	2.41
CC74775		0.16	0.006	0.8	1.33	28	<10	240	0.5	<2	1.57	3.3	10	29	46	3.06
CC74776		0.26	0.002	1.7	0.88	28	<10	110	0.7	<2	0.93	56.2	9	42	125	2.29
CC74777		0.28	0.004	3.0	0.99	34	<10	150	0.8	<2	0.90	25.0	11	30	119	2.86
CC74778		0.42	0.003	0.5	2.54	23	<10	410	0.5	<2	3.03	1.0	16	80	51	4.54
CC74779		0.10	0.005	0.7	1.00	36	<10	180	<0.5	<2	1.88	2.6	10	23	33	2.72

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 25-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10076146

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC74740		<10	1	0.12	10	0.39	696	9	0.02	39	1360	75	0.09	11	2	57
CC74741		<10	<1	0.18	20	0.59	404	8	0.03	59	970	109	0.02	20	3	45
CC74742		<10	<1	0.10	10	2.22	287	12	0.02	50	1100	60	0.02	15	2	53
CC74743		<10	<1	0.13	10	2.40	580	2	0.02	31	820	48	0.04	7	3	47
CC74744		<10	<1	0.18	10	2.51	460	2	0.02	24	810	31	0.05	2	2	44
CC74745		<10	<1	0.13	10	0.83	333	8	0.02	50	820	50	0.05	7	2	36
CC74746		<10	<1	0.10	10	1.36	412	3	0.02	42	1120	25	0.08	3	2	53
CC74747		<10	1	0.19	10	0.76	516	12	0.03	39	1290	46	0.05	9	2	59
CC74748		<10	<1	0.11	<10	0.42	278	9	0.03	40	1040	52	0.13	11	1	70
CC74749		<10	<1	0.12	10	1.61	421	10	0.02	44	990	73	0.01	14	3	49
CC74750		<10	<1	0.17	10	0.57	767	10	0.02	102	1530	181	0.12	24	3	81
CC74751		<10	<1	0.13	10	0.47	476	8	0.04	42	870	66	0.08	11	2	44
CC74752		<10	<1	0.16	10	0.77	552	6	0.03	43	1110	54	0.04	8	3	42
CC74753		<10	<1	0.10	10	3.39	519	5	0.03	32	980	33	<0.01	5	2	48
CC74754		<10	<1	0.09	10	2.38	190	9	0.03	60	930	32	0.06	4	2	50
CC74755		<10	1	0.14	20	0.49	379	22	0.02	80	950	147	0.01	33	3	64
CC74756		<10	1	0.13	10	0.33	214	10	0.03	40	970	87	0.01	15	3	47
CC74757		<10	<1	0.12	20	0.16	119	24	0.02	42	600	184	<0.01	30	2	39
CC74758		<10	1	0.11	10	0.54	1030	6	0.03	95	1040	42	0.09	15	3	53
CC74759		<10	<1	0.11	10	2.39	743	9	0.03	96	990	67	0.01	18	4	37
CC74760		<10	<1	0.11	10	2.93	511	4	0.03	40	880	38	0.01	8	3	37
CC74761		<10	<1	0.06	<10	0.73	539	2	0.03	41	880	20	0.10	4	1	53
CC74762		<10	<1	0.11	10	0.90	285	6	0.05	30	880	25	0.05	3	2	50
CC74763		<10	<1	0.04	<10	0.37	132	3	0.03	23	880	14	0.15	4	1	44
CC74764		<10	<1	0.20	10	0.39	316	14	0.04	30	850	49	0.03	8	2	44
CC74765		<10	<1	0.15	10	0.43	742	7	0.04	48	1040	64	0.09	9	2	47
CC74766		<10	<1	0.13	10	2.61	517	3	0.03	25	870	38	0.02	4	3	46
CC74767		<10	<1	0.11	10	2.46	656	2	0.03	24	980	33	0.05	4	2	44
CC74768		<10	1	0.11	10	1.13	1090	4	0.03	42	1100	22	0.06	3	2	37
CC74769		<10	<1	0.07	10	1.52	342	7	0.02	49	1070	23	0.07	4	1	47
CC74770		<10	<1	0.15	10	2.05	449	8	0.02	52	980	36	0.05	4	2	37
CC74771		<10	<1	0.12	10	2.37	436	7	0.02	48	1110	36	0.03	2	2	49
CC74772		10	<1	0.06	20	0.46	379	5	0.02	43	890	36	<0.01	<2	3	20
CC74773		<10	<1	0.09	10	0.91	427	4	0.02	40	1150	41	0.04	5	2	32
CC74774		<10	<1	0.10	10	2.77	637	6	0.03	35	970	29	0.03	4	2	53
CC74775		<10	<1	0.11	10	1.01	492	10	0.03	51	880	37	0.02	5	3	39
CC74776		<10	1	0.12	20	0.17	327	44	0.02	233	630	16	0.01	7	2	26
CC74777		<10	1	0.14	20	0.31	298	62	0.02	194	1660	25	0.02	9	2	32
CC74778		10	<1	0.24	10	2.88	578	2	0.02	69	780	24	0.01	3	6	68
CC74779		<10	<1	0.11	10	1.10	553	5	0.03	37	810	59	0.04	10	3	32

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Project: RAU

Finalized Date: 25-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10076146

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Pb-OG46
	Analyte	Th	Ti	Tl	U	V	W	Zn	Pb
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%
	LOR	20	0.01	10	10	1	10	2	0.001
CC74740		<20	0.02	<10	10	107	<10	274	
CC74741		<20	0.03	<10	<10	96	<10	310	
CC74742		<20	0.03	<10	<10	71	<10	248	
CC74743		<20	0.02	<10	<10	47	<10	174	
CC74744		<20	0.02	<10	<10	38	<10	113	
CC74745		<20	0.03	<10	<10	69	<10	226	
CC74746		<20	0.03	<10	<10	48	<10	253	
CC74747		<20	0.02	<10	<10	133	<10	224	
CC74748		<20	0.01	<10	<10	61	<10	257	
CC74749		<20	0.03	<10	<10	74	<10	243	
CC74750		<20	0.01	<10	10	114	<10	464	
CC74751		<20	0.02	<10	<10	55	<10	224	
CC74752		<20	0.02	<10	<10	70	<10	242	
CC74753		<20	0.03	<10	<10	47	<10	161	
CC74754		<20	0.04	<10	<10	45	<10	668	
CC74755		<20	0.01	<10	<10	103	<10	495	
CC74756		<20	0.02	<10	<10	87	<10	264	
CC74757		<20	0.02	<10	<10	113	<10	248	
CC74758		<20	0.01	<10	<10	41	<10	237	
CC74759		<20	0.02	<10	<10	49	<10	237	
CC74760		<20	0.03	<10	<10	42	<10	177	
CC74761		<20	0.02	<10	<10	35	<10	151	
CC74762		<20	0.02	<10	<10	45	<10	186	
CC74763		<20	0.01	<10	<10	18	<10	62	
CC74764		<20	0.02	<10	<10	117	<10	194	
CC74765		<20	0.01	<10	<10	82	<10	304	
CC74766		<20	0.02	<10	<10	46	<10	165	
CC74767		<20	0.02	<10	<10	37	<10	136	
CC74768		<20	0.02	<10	<10	44	<10	252	
CC74769		<20	0.02	<10	<10	42	<10	180	
CC74770		<20	0.03	<10	<10	66	<10	222	
CC74771		<20	0.03	<10	<10	53	<10	205	
CC74772		<20	0.04	<10	<10	55	<10	158	
CC74773		<20	0.03	<10	<10	51	<10	198	
CC74774		<20	0.02	<10	<10	44	<10	179	
CC74775		<20	0.03	<10	<10	80	<10	233	
CC74776		<20	0.02	<10	<10	265	<10	1930	
CC74777		<20	0.01	<10	<10	129	<10	886	
CC74778		<20	0.13	<10	<10	73	<10	154	
CC74779		<20	0.02	<10	<10	53	<10	194	

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Project: RAU

Finalized Date: 25-JUN-2010
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CERTIFICATE OF ANALYSIS VA10076146

Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
Sample Description LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC74780	0.28	0.003	0.4	0.79	25	<10	190	<0.5	<2	5.54	1.3	9	26	34	2.30
CC74781	0.22	0.005	0.4	0.91	28	<10	230	<0.5	<2	3.73	2.0	9	23	40	2.57
CC74782	0.22	0.002	0.3	0.88	11	<10	230	<0.5	<2	1.91	1.4	8	21	20	2.14
CC74783	0.34	0.004	0.7	0.85	29	<10	220	<0.5	2	4.16	1.8	9	20	41	2.69
CC74784	0.36	0.006	0.4	0.83	21	<10	170	<0.5	<2	5.47	1.4	7	18	30	2.27
CC74785	0.30	0.005	0.6	0.92	42	<10	260	<0.5	<2	3.58	2.7	9	22	51	2.52
CC74786	0.48	0.004	0.6	1.03	27	<10	240	<0.5	2	2.89	2.9	11	24	56	3.15
CC74787	0.16	0.005	<0.2	1.75	32	<10	200	0.6	2	0.45	1.4	13	33	48	3.48
CC74788	0.12	0.006	0.2	0.99	24	<10	160	<0.5	<2	3.37	0.7	11	17	36	3.79
CC74789	0.38	0.003	<0.2	0.98	48	<10	100	<0.5	<2	5.30	0.7	15	25	43	3.90
CC74790	0.04	0.010	0.7	0.58	6	<10	200	<0.5	<2	2.62	0.6	4	10	48	1.45
CC74791	0.08	0.004	0.2	0.89	13	<10	350	<0.5	<2	1.03	1.3	10	18	35	2.64
CC74792	0.10	0.004	0.2	1.26	14	<10	360	<0.5	2	1.21	3.0	12	22	49	3.14
CC74794	Not Recvd														
CC74795	0.34	0.020	0.7	0.90	69	<10	190	<0.5	4	0.11	2.8	6	20	69	2.72
CC74796	0.26	0.007	0.2	1.10	36	<10	210	<0.5	3	0.13	1.7	5	24	33	1.93
CC74797	0.16	0.005	0.3	1.45	47	<10	270	0.5	2	0.47	3.0	9	28	34	2.75
CC74798	0.14	0.003	0.9	1.19	90	<10	190	<0.5	2	0.51	4.0	6	26	36	2.46
CC74799	0.18	0.005	0.5	0.77	141	<10	90	<0.5	<2	3.03	10.2	26	21	62	4.76
CC74800	0.30	0.003	0.5	0.90	48	<10	70	<0.5	<2	0.09	1.1	3	18	22	2.08
CC74801	0.44	0.026	0.5	0.97	45	<10	240	<0.5	<2	2.67	2.8	9	22	51	2.50
CC74802	0.26	0.030	1.6	1.28	47	<10	160	0.5	2	0.05	2.5	7	27	101	3.00
CC74803	0.20	0.009	0.6	1.08	43	<10	220	0.5	<2	1.12	4.4	9	26	63	2.77
CC74804	0.22	0.003	0.6	1.27	44	<10	200	0.5	3	0.98	3.6	8	26	41	2.73
CC74805	0.26	0.012	0.6	1.04	47	<10	240	0.5	2	1.76	3.8	10	23	46	2.93
CC74806	0.18	0.006	3.5	2.04	197	<10	340	0.7	2	0.08	3.5	7	65	63	3.63
CC74807	0.30	0.037	1.7	1.07	315	<10	340	<0.5	4	0.38	20.4	45	23	80	6.78
CC74808	0.26	0.007	<0.2	1.27	33	<10	210	<0.5	<2	0.18	1.1	4	24	18	1.90
CC74809	0.26	0.003	<0.2	1.17	54	<10	150	<0.5	2	0.14	1.5	5	23	32	2.30
CC74810	0.10	0.040	0.6	0.89	55	<10	160	<0.5	2	0.07	2.2	4	25	67	2.56
CC74811	0.16	0.040	1.2	0.56	40	<10	100	<0.5	3	0.04	1.9	3	14	36	1.17
CC74812	0.14	0.046	2.0	0.98	118	<10	320	0.5	<2	2.43	20.2	7	17	110	2.33
CC74813	0.20	0.002	1.3	0.97	92	<10	250	<0.5	2	0.13	14.2	4	34	62	2.63
CC74814	0.38	0.002	0.7	1.41	44	<10	180	<0.5	<2	0.10	1.8	5	29	18	2.67
CC74815	0.24	0.003	11.1	1.07	71	<10	210	0.5	3	0.09	2.4	3	38	64	2.83
CC74816	0.22	0.005	2.2	0.45	106	<10	80	<0.5	<2	0.04	1.8	3	18	66	1.85
CC74817	0.22	0.003	1.9	2.46	39	<10	180	0.5	2	0.08	1.2	6	37	13	3.81
CC74821	0.42	0.068	1.3	0.64	71	<10	280	<0.5	7	0.20	6.6	8	19	98	2.28
CC74822	0.10	0.004	1.4	0.88	38	<10	240	<0.5	3	0.20	3.5	4	21	54	1.82
CC74823	0.30	0.007	0.5	0.95	38	<10	210	<0.5	<2	4.36	3.0	11	24	57	2.59

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
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Project: RAU

CERTIFICATE OF ANALYSIS VA10076146

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC74780		<10	<1	0.09	10	3.51	557	4	0.03	27	900	30	0.01	3	2	50
CC74781		<10	<1	0.09	10	2.45	543	6	0.03	35	1010	38	0.01	5	3	43
CC74782		<10	<1	0.10	10	1.44	169	1	0.02	30	1260	14	0.02	2	2	38
CC74783		<10	<1	0.10	10	2.66	361	8	0.02	43	1160	42	0.02	7	2	51
CC74784		<10	<1	0.10	10	3.28	456	6	0.03	28	850	37	<0.01	7	2	54
CC74785		<10	1	0.10	10	2.26	509	10	0.03	52	990	48	<0.01	8	2	45
CC74786		<10	<1	0.13	10	2.07	434	11	0.02	57	1400	29	0.03	6	2	50
CC74787		10	<1	0.10	10	0.60	411	10	0.01	57	720	53	0.02	7	3	26
CC74788		<10	<1	0.19	10	1.49	672	1	0.01	27	870	28	0.06	5	3	48
CC74789		<10	<1	0.11	10	2.61	691	2	0.01	42	820	32	0.02	6	3	60
CC74790		<10	<1	0.06	20	0.35	119	2	0.02	22	1430	21	0.23	4	1	98
CC74791		<10	<1	0.08	10	0.45	1485	3	0.01	29	1460	24	0.08	3	1	37
CC74792		<10	<1	0.13	20	0.70	796	5	0.02	45	1600	23	0.06	3	2	40
CC74794																
CC74795		<10	1	0.08	20	0.15	192	19	0.01	58	730	275	0.02	47	2	46
CC74796		<10	<1	0.09	10	0.17	142	17	0.01	31	480	129	0.02	25	2	29
CC74797		<10	<1	0.09	10	0.42	394	10	0.01	48	630	71	0.02	11	3	26
CC74798		<10	<1	0.09	10	0.28	219	21	0.02	61	510	53	0.03	15	2	23
CC74799		<10	<1	0.08	10	1.42	756	20	0.03	141	820	32	0.07	9	4	33
CC74800		10	<1	0.06	20	0.10	105	18	0.01	29	480	33	0.01	10	1	11
CC74801		<10	<1	0.08	10	1.59	389	12	0.02	50	1100	47	0.01	10	3	48
CC74802		<10	<1	0.10	20	0.18	141	27	0.01	56	510	259	0.02	40	2	36
CC74803		<10	<1	0.12	20	0.74	308	11	0.02	49	1100	106	0.02	16	3	42
CC74804		<10	<1	0.10	10	0.52	336	10	0.01	42	850	105	0.04	13	3	30
CC74805		<10	<1	0.09	10	1.06	452	6	0.01	45	1130	64	0.03	13	3	28
CC74806		10	1	0.21	10	0.31	300	43	0.01	40	1030	183	0.04	60	3	135
CC74807		<10	<1	0.08	10	0.32	1765	65	0.02	228	740	90	0.04	24	7	23
CC74808		<10	<1	0.07	10	0.28	147	10	0.01	25	450	31	0.01	7	2	20
CC74809		<10	<1	0.06	10	0.26	172	20	0.01	45	610	39	0.01	10	2	18
CC74810		<10	<1	0.13	20	0.15	111	29	0.01	51	700	251	0.02	55	1	38
CC74811		<10	<1	0.09	10	0.05	61	18	0.01	27	670	130	0.02	23	<1	29
CC74812		<10	<1	0.12	10	0.57	262	26	0.02	89	1390	193	0.11	22	2	57
CC74813		<10	<1	0.10	10	0.21	154	56	0.01	43	840	55	0.04	25	1	66
CC74814		<10	<1	0.06	10	0.25	187	14	0.01	31	830	56	0.01	10	2	18
CC74815		<10	<1	0.16	20	0.08	185	69	0.01	33	1360	198	0.14	39	1	63
CC74816		<10	<1	0.07	10	0.03	64	51	0.01	52	800	45	0.02	54	<1	13
CC74817		10	<1	0.08	10	0.42	265	10	0.01	18	890	32	0.02	4	3	11
CC74821		<10	<1	0.09	20	0.11	215	23	0.01	70	1150	156	0.03	34	2	84
CC74822		<10	<1	0.13	10	0.11	100	27	0.01	45	1340	168	0.06	23	1	43
CC74823		<10	1	0.09	10	2.73	609	7	0.02	48	1100	46	0.03	9	2	51

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Project: RAU

Finalized Date: 25-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10076146

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Pb-OG46
	Analyte	Th	Ti	Tl	U	V	W	Zn	Pb
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%
	LOR	20	0.01	10	10	1	10	2	0.001
CC74780		<20	0.03	<10	<10	38	<10	132	
CC74781		<20	0.03	<10	<10	50	<10	182	
CC74782		<20	0.03	<10	<10	40	<10	156	
CC74783		<20	0.03	<10	<10	48	<10	201	
CC74784		<20	0.03	<10	<10	40	<10	151	
CC74785		<20	0.03	<10	<10	63	<10	254	
CC74786		<20	0.03	<10	<10	61	<10	247	
CC74787		<20	0.03	<10	<10	81	<10	193	
CC74788		<20	0.01	<10	<10	20	<10	114	
CC74789		<20	0.02	<10	<10	24	<10	102	
CC74790		<20	0.01	<10	<10	16	<10	47	
CC74791		<20	0.02	<10	<10	36	<10	133	
CC74792		<20	0.02	<10	<10	54	<10	203	
CC74794									
CC74795		<20	0.01	<10	<10	99	<10	339	
CC74796		<20	0.02	<10	<10	121	<10	211	
CC74797		<20	0.02	<10	<10	86	<10	213	
CC74798		<20	0.02	<10	<10	88	<10	237	
CC74799		<20	0.01	<10	<10	38	<10	547	
CC74800		<20	0.05	<10	<10	100	<10	145	
CC74801		<20	0.04	<10	<10	62	<10	237	
CC74802		<20	0.02	<10	<10	123	<10	321	
CC74803		<20	0.03	<10	<10	77	<10	269	
CC74804		<20	0.02	<10	<10	75	<10	223	
CC74805		<20	0.02	<10	<10	54	<10	244	
CC74806		<20	0.03	10	<10	785	<10	351	
CC74807		<20	0.02	<10	<10	60	<10	1670	
CC74808		<20	0.03	<10	<10	83	<10	119	
CC74809		<20	0.04	<10	<10	92	<10	220	
CC74810		<20	0.02	<10	<10	135	<10	257	
CC74811		<20	0.01	<10	<10	74	<10	135	
CC74812		<20	0.01	<10	<10	58	<10	420	
CC74813		<20	0.02	<10	<10	281	<10	405	
CC74814		<20	0.03	<10	<10	141	<10	221	
CC74815		<20	0.01	<10	<10	231	<10	259	
CC74816		<20	0.01	<10	<10	191	<10	353	
CC74817		<20	0.05	<10	<10	98	<10	129	
CC74821		<20	0.01	<10	<10	126	<10	412	
CC74822		<20	0.01	<10	<10	115	<10	218	
CC74823		<20	0.03	<10	<10	60	<10	223	

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Project: RAU

Finalized Date: 25-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10076146

Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
Sample Description LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC74824	0.10	0.001	0.4	0.93	32	<10	250	<0.5	<2	3.46	27.9	8	26	78	2.30
CC74825	0.22	0.002	0.2	0.95	23	<10	260	<0.5	<2	3.90	1.6	8	20	35	2.13
CC74826	0.44	0.003	0.2	1.00	28	<10	220	<0.5	<2	3.74	2.1	9	22	38	2.33
CC74827	0.32	0.004	0.2	0.93	39	<10	430	<0.5	<2	2.83	2.2	9	20	37	2.62
CC74828	0.44	0.006	0.3	0.88	40	<10	230	<0.5	<2	2.51	3.0	9	23	52	2.46
CC74829	0.14	0.002	0.3	1.31	31	<10	390	<0.5	<2	1.10	3.0	13	29	45	3.31
CC74830	0.26	0.002	0.5	1.07	33	<10	350	<0.5	<2	2.18	2.1	10	30	39	2.91
CC74831	0.24	0.002	<0.2	1.28	27	<10	260	0.5	<2	0.81	1.3	9	27	37	2.76
CC74832	0.38	<0.001	<0.2	0.67	3	<10	30	<0.5	<2	7.3	<0.5	8	7	26	2.94
CC74833	0.32	<0.001	<0.2	0.76	2	<10	30	<0.5	<2	6.10	<0.5	10	8	29	3.27
CC74834	0.26	0.006	0.4	1.13	36	<10	160	0.5	2	1.12	1.4	9	30	38	2.79
CC74835	0.22	0.009	0.4	1.05	34	<10	270	0.5	2	0.30	1.9	7	22	49	2.27
CC74836	0.26	0.044	1.1	1.76	58	<10	170	<0.5	4	0.15	2.0	10	27	53	4.18
CC74837	0.08	NSS	0.7	0.72	396	<10	280	<0.5	9	2.88	9.4	34	18	71	4.55
CC74838	0.16	0.007	<0.2	1.28	146	<10	240	0.5	10	0.86	4.3	21	32	46	4.11
CC74839	0.24	0.004	0.4	1.12	32	<10	240	<0.5	2	0.93	3.2	9	26	38	2.43
CC74840	0.26	0.004	0.3	0.87	33	<10	200	<0.5	<2	2.82	2.7	9	20	43	2.25
CC74841	0.14	0.002	<0.2	1.02	27	<10	300	<0.5	2	1.27	1.0	7	22	25	2.39
CC74842	0.20	0.003	0.3	0.72	38	<10	250	<0.5	<2	1.25	1.1	7	18	20	2.25
CC74843	0.16	0.004	0.3	1.18	43	<10	300	0.5	<2	0.81	1.8	8	25	31	2.71
CC74844	0.10	0.006	<0.2	1.32	19	<10	180	0.5	<2	1.73	0.9	11	24	32	2.97
CC74845	0.16	0.002	0.4	0.95	24	<10	370	<0.5	<2	3.56	3.4	9	22	44	2.29
CC74846	0.24	0.002	0.4	0.95	26	<10	270	<0.5	<2	3.36	2.5	10	23	42	2.58
CC74847	0.26	0.006	0.2	1.16	24	<10	230	<0.5	<2	3.52	2.1	11	26	46	2.78
CC74848	0.08	<0.001	<0.2	1.42	6	<10	160	<0.5	<2	1.88	0.5	11	15	28	3.12
CC74849	0.24	<0.001	0.4	0.68	107	<10	100	<0.5	<2	0.11	2.5	7	24	48	2.65
CC74850	0.36	0.006	0.2	1.55	33	<10	240	0.5	2	0.11	1.6	7	27	48	2.68
CC74851	0.18	0.005	0.5	0.84	123	<10	100	<0.5	2	0.05	3.0	7	22	49	2.95
CC74852	0.24	0.010	0.4	0.93	105	<10	180	0.5	<2	1.96	9.4	9	20	59	2.76
CC74853	0.16	0.012	0.4	0.99	66	<10	140	0.5	2	1.33	7.5	10	22	42	2.83
CC74854	0.18	0.002	0.6	0.70	99	<10	130	<0.5	<2	1.61	16.3	21	20	81	4.58
CC74855	0.20	<0.001	0.9	1.74	61	<10	150	<0.5	2	0.19	5.9	13	30	42	4.02
CC74856	0.34	0.004	<0.2	1.52	34	<10	370	0.5	2	0.37	2.0	10	29	38	2.58
CC74857	0.40	0.004	0.5	0.97	63	<10	200	<0.5	<2	2.38	3.7	10	27	55	2.54
CC74858	0.32	0.007	0.6	1.35	98	<10	210	0.6	2	0.18	2.7	8	29	78	2.82
CC74859	0.36	0.003	0.3	1.23	52	<10	210	<0.5	<2	0.16	1.2	5	22	35	2.16
CC74860	0.38	0.003	0.3	1.00	30	<10	150	<0.5	<2	4.93	1.2	8	21	40	2.33
CC74861	0.34	0.001	0.3	0.84	19	<10	110	<0.5	2	8.0	0.9	7	15	28	2.08
CC74862	0.10	NSS	0.4	1.07	15	<10	250	<0.5	<2	5.06	2.5	10	21	35	2.39
CC74863	0.14	0.001	0.2	1.16	17	<10	340	<0.5	<2	1.46	1.9	11	26	33	2.65

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Project: RAU

CERTIFICATE OF ANALYSIS VA10076146

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC74824		<10	1	0.11	10	1.77	378	7	0.02	330	1320	51	0.09	10	2	66
CC74825		<10	<1	0.08	10	2.23	443	4	0.02	33	920	30	0.03	5	3	48
CC74826		<10	<1	0.08	10	2.41	364	5	0.02	37	970	36	0.01	7	3	43
CC74827		<10	<1	0.09	10	1.46	326	7	0.02	39	950	39	0.04	9	3	42
CC74828		<10	<1	0.09	10	1.65	388	11	0.01	54	1080	51	0.01	9	3	42
CC74829		<10	<1	0.10	10	0.76	1090	5	0.01	47	1150	33	0.08	6	3	37
CC74830		<10	<1	0.10	10	1.33	346	7	0.01	46	1030	42	0.04	6	3	42
CC74831		<10	<1	0.08	10	0.64	256	7	0.01	42	610	35	0.02	6	3	25
CC74832		<10	<1	0.11	10	3.68	431	<1	0.01	13	570	17	0.01	<2	2	86
CC74833		<10	<1	0.08	20	3.40	525	<1	0.01	15	660	19	0.01	<2	2	75
CC74834		<10	<1	0.09	10	0.96	350	7	0.01	51	760	47	0.01	9	3	24
CC74835		<10	<1	0.08	10	0.28	377	9	0.01	36	950	103	0.01	17	2	42
CC74836		10	<1	0.11	10	0.86	222	31	0.01	45	740	195	0.02	52	4	32
CC74837		<10	<1	0.05	10	0.52	1295	14	0.02	188	1200	33	0.18	20	3	60
CC74838		<10	<1	0.10	10	0.61	722	8	0.01	82	570	65	0.03	18	4	27
CC74839		<10	<1	0.07	10	0.59	415	6	0.02	44	1020	37	0.02	8	3	35
CC74840		<10	<1	0.07	10	1.75	288	8	0.02	40	1020	37	0.02	8	2	42
CC74841		<10	<1	0.07	10	0.76	238	4	0.02	29	560	41	0.03	4	3	30
CC74842		<10	<1	0.06	10	0.71	242	5	0.01	26	630	41	0.03	6	2	29
CC74843		<10	<1	0.10	10	0.53	448	8	0.02	37	810	40	0.03	5	3	27
CC74844		<10	<1	0.12	10	0.88	638	1	0.01	26	710	34	0.06	3	3	24
CC74845		<10	<1	0.09	10	1.64	581	6	0.02	42	960	29	0.05	7	2	55
CC74846		<10	<1	0.10	10	2.17	436	6	0.02	44	1110	32	0.02	7	3	44
CC74847		<10	<1	0.10	20	2.35	486	6	0.02	46	1030	38	0.01	5	3	43
CC74848		<10	<1	0.28	10	1.16	478	1	0.01	17	820	25	0.07	2	2	29
CC74849		<10	<1	0.08	10	0.10	138	41	0.01	88	500	41	0.02	24	2	16
CC74850		<10	<1	0.07	20	0.29	247	11	0.01	34	560	99	0.01	17	3	36
CC74851		<10	<1	0.09	10	0.17	199	33	0.01	67	650	62	0.02	14	1	22
CC74852		<10	<1	0.13	10	1.19	267	29	0.01	100	1030	77	0.02	16	3	36
CC74853		<10	<1	0.11	10	0.87	345	14	0.01	68	870	63	0.02	14	3	27
CC74854		<10	<1	0.10	10	0.21	762	34	0.02	185	610	43	0.07	26	3	37
CC74855		10	<1	0.08	10	0.32	500	16	0.01	64	580	37	0.02	10	3	17
CC74856		<10	<1	0.07	20	0.48	405	8	0.01	41	850	39	0.01	6	3	26
CC74857		<10	<1	0.09	10	1.53	363	17	0.02	59	1120	50	0.01	12	3	49
CC74858		<10	1	0.09	10	0.31	193	32	0.01	92	900	73	0.02	19	2	28
CC74859		<10	<1	0.05	10	0.27	123	14	0.01	39	480	46	0.01	8	2	22
CC74860		<10	<1	0.08	10	3.24	358	5	0.02	34	870	32	0.01	6	3	42
CC74861		<10	<1	0.07	10	5.01	449	2	0.01	20	760	28	0.01	4	2	45
CC74862		<10	<1	0.13	10	2.76	812	2	0.02	30	1100	22	0.09	3	2	43
CC74863		<10	<1	0.11	10	1.01	376	2	0.01	35	1080	21	0.10	3	2	47

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 25-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10076146

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Pb-OG46
	Analyte	Th	Ti	Tl	U	V	W	Zn	Pb
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%
	LOR	20	0.01	10	10	1	10	2	0.001
CC74824		<20	0.02	<10	<10	51	10	2830	
CC74825		<20	0.03	<10	<10	43	<10	181	
CC74826		<20	0.04	<10	<10	50	<10	185	
CC74827		<20	0.02	<10	<10	49	<10	214	
CC74828		<20	0.04	<10	<10	58	<10	229	
CC74829		<20	0.03	<10	<10	57	<10	237	
CC74830		<20	0.03	<10	<10	62	<10	215	
CC74831		<20	0.03	<10	<10	60	<10	172	
CC74832		<20	<0.01	<10	<10	8	<10	59	
CC74833		<20	<0.01	<10	<10	8	<10	53	
CC74834		<20	0.03	<10	<10	55	<10	211	
CC74835		<20	0.02	<10	<10	79	<10	233	
CC74836		<20	0.09	<10	<10	193	<10	248	
CC74837		<20	0.01	<10	<10	30	<10	275	
CC74838		<20	0.02	<10	<10	58	<10	289	
CC74839		<20	0.03	<10	<10	57	<10	208	
CC74840		<20	0.03	<10	<10	50	<10	196	
CC74841		<20	0.03	<10	<10	52	<10	129	
CC74842		<20	0.02	<10	<10	53	<10	151	
CC74843		<20	0.02	<10	<10	64	<10	182	
CC74844		<20	0.02	<10	<10	40	<10	154	
CC74845		<20	0.03	<10	<10	52	<10	199	
CC74846		<20	0.04	<10	<10	56	<10	213	
CC74847		<20	0.03	<10	<10	57	<10	208	
CC74848		<20	<0.01	<10	<10	19	<10	102	
CC74849		<20	0.03	<10	<10	152	<10	394	
CC74850		<20	0.03	<10	<10	107	<10	170	
CC74851		<20	0.02	<10	<10	104	<10	314	
CC74852		<20	0.02	<10	<10	60	<10	460	
CC74853		<20	0.02	<10	<10	53	<10	315	
CC74854		<20	0.01	<10	<10	91	<10	821	
CC74855		<20	0.03	<10	<10	95	<10	267	
CC74856		<20	0.04	<10	<10	71	<10	175	
CC74857		<20	0.05	<10	<10	67	<10	252	
CC74858		<20	0.03	<10	<10	115	<10	373	
CC74859		<20	0.03	<10	<10	89	<10	154	
CC74860		<20	0.03	<10	<10	52	<10	162	
CC74861		<20	0.02	<10	<10	31	<10	125	
CC74862		<20	0.02	<10	<10	45	<10	170	
CC74863		<20	0.03	<10	<10	47	<10	175	

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VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10076146

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC74864		0.34	0.002	0.6	0.97	31	<10	290	<0.5	<2	2.95	3.1	8	24	58	2.54
CC74865		0.20	0.002	0.4	0.97	18	<10	240	<0.5	<2	2.20	1.5	11	24	40	2.74
CC74866		0.10	0.031	0.7	0.81	34	<10	170	<0.5	2	0.06	1.4	3	23	46	1.84
CC74867		0.18	0.010	0.4	0.48	32	<10	120	<0.5	2	0.06	2.6	2	14	30	1.03
CC74868		0.06	0.006	0.5	1.06	62	<10	230	<0.5	<2	1.67	3.3	9	25	45	2.88
CC74869		0.26	0.005	0.5	0.94	43	<10	180	<0.5	<2	2.96	2.4	9	21	34	2.68
CC74870		0.30	0.002	1.2	1.73	50	<10	170	0.5	<2	0.06	1.7	6	39	38	3.13
CC74871		0.14	0.001	3.4	1.38	92	<10	150	<0.5	<2	0.09	2.9	5	30	27	3.06
CC74872		0.06	<0.001	0.8	1.56	31	<10	250	<0.5	<2	0.20	1.7	4	30	29	2.34
CC74873		0.32	0.006	2.6	0.94	131	<10	120	<0.5	<2	0.04	3.0	6	22	106	2.23
CC74874		0.18	0.008	1.0	1.17	102	<10	170	<0.5	<2	0.09	3.0	6	31	65	2.61
CC74875		0.14	0.005	1.1	0.68	110	<10	120	<0.5	2	0.08	2.0	4	23	39	2.49
CC74876		0.10	NSS	1.3	1.46	44	<10	390	0.5	<2	0.43	3.8	10	50	59	3.14
CC74877		0.08	<0.001	0.3	0.43	10	<10	110	<0.5	<2	2.60	7.6	3	10	21	0.82
CC74878		0.06	0.001	0.3	0.87	33	<10	220	<0.5	<2	1.52	7.2	9	44	37	2.17
CC74879		0.04	0.007	0.5	1.24	21	<10	560	0.5	<2	1.77	6.6	16	28	67	3.63
CC74880		0.06	NSS	<0.2	0.27	7	<10	260	<0.5	<2	3.14	6.3	3	13	46	0.70
CC74881		0.06	0.001	0.4	0.85	23	<10	330	<0.5	<2	1.93	3.0	9	25	45	2.34
CC74882		0.06	0.013	1.6	0.79	53	<10	300	0.5	<2	1.65	20.5	7	31	77	2.17
CC74883		0.16	0.009	1.6	0.72	87	<10	140	<0.5	4	0.07	3.9	5	20	42	2.61
CC74884		0.24	0.029	2.1	0.77	131	<10	200	<0.5	3	0.26	9.1	8	27	77	2.73
CC74885		0.06	0.001	3.8	0.72	50	<10	400	0.5	<2	0.41	23.4	3	18	94	1.57
CC74886		0.18	0.002	0.8	1.38	87	<10	430	0.5	<2	0.10	16.7	7	56	66	2.60
CC74887		0.14	0.004	6.9	2.07	64	<10	240	0.7	<2	0.11	3.7	6	37	52	2.98
CC74888		0.16	0.004	3.5	1.76	118	<10	190	0.6	<2	0.13	5.7	6	43	92	2.96
CC74889		0.14	<0.001	4.1	2.07	21	<10	130	<0.5	<2	0.05	0.8	5	29	13	2.98
CC74890		0.10	<0.001	0.4	1.06	30	<10	60	<0.5	2	0.09	4.0	4	44	18	1.61
CC74891		0.14	0.002	0.4	1.13	33	<10	60	<0.5	<2	0.04	0.8	13	42	43	3.50
CC74892		0.10	0.005	0.8	0.60	112	<10	150	<0.5	<2	0.08	2.4	4	40	57	1.90
CC74893		0.16	0.001	1.1	0.78	58	<10	180	<0.5	<2	0.14	1.8	5	25	36	1.98
CC74894		0.10	0.003	0.7	0.79	45	<10	330	<0.5	<2	1.67	2.1	12	32	43	2.62
CC74895		0.10	0.002	0.5	1.25	15	<10	510	<0.5	<2	0.99	3.5	13	29	61	3.93
CC74896		0.08	0.025	0.2	0.41	6	<10	500	<0.5	<2	3.36	3.5	4	18	33	1.05
CC74897		0.30	0.024	0.5	1.03	25	<10	620	<0.5	<2	3.64	2.3	11	33	58	2.77
CC74898		0.12	0.028	5.4	0.75	39	<10	180	<0.5	2	0.07	3.8	2	21	105	1.92
CC74899		0.30	0.091	11.1	0.52	83	<10	150	<0.5	57	0.10	9.2	5	17	106	2.90
CC74900		0.22	0.017	0.9	0.81	135	<10	210	<0.5	<2	0.17	5.2	6	33	77	2.32
CC74901		0.22	0.008	2.1	0.68	153	<10	160	<0.5	<2	0.06	5.0	6	26	92	2.63
CC74902		0.38	0.015	1.4	1.00	106	<10	170	<0.5	<2	0.04	2.0	4	30	36	2.13
CC74903		0.12	0.004	0.9	0.51	40	<10	150	<0.5	<2	0.05	4.1	3	13	43	1.17

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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC74864		<10	<1	0.09	10	2.03	355	9	0.01	54	1110	37	0.01	5	3	42
CC74865		<10	<1	0.09	10	1.57	615	3	<0.01	42	1030	27	0.03	<2	2	38
CC74866		<10	<1	0.16	20	0.08	83	23	<0.01	31	540	179	<0.01	32	1	36
CC74867		<10	<1	0.09	10	0.05	54	16	<0.01	23	500	88	<0.01	10	<1	22
CC74868		<10	<1	0.20	10	0.96	552	11	0.02	51	990	79	0.02	12	3	34
CC74869		<10	<1	0.09	10	1.96	530	4	<0.01	41	990	59	<0.01	13	3	32
CC74870		10	<1	0.08	10	0.43	202	21	<0.01	49	480	49	<0.01	10	3	18
CC74871		<10	<1	0.10	10	0.24	362	29	<0.01	42	940	49	<0.01	13	2	13
CC74872		<10	<1	0.12	10	0.24	188	12	0.02	26	790	29	0.01	3	1	21
CC74873		<10	<1	0.06	20	0.11	103	58	<0.01	107	710	74	<0.01	24	2	26
CC74874		<10	<1	0.07	10	0.26	158	38	<0.01	89	690	70	<0.01	12	2	20
CC74875		<10	<1	0.08	10	0.11	103	42	<0.01	72	840	70	<0.01	13	1	21
CC74876		<10	<1	0.10	10	0.42	302	16	0.01	66	890	39	0.02	6	2	27
CC74877		<10	<1	0.04	<10	0.44	394	3	0.01	15	840	11	0.11	<2	1	31
CC74878		<10	<1	0.10	10	0.54	415	9	0.01	47	700	33	0.04	4	2	33
CC74879		<10	<1	0.08	10	0.78	1935	6	0.02	64	1450	18	0.12	<2	2	53
CC74880		<10	<1	0.05	<10	0.45	271	6	0.01	35	1010	10	0.14	<2	<1	56
CC74881		<10	<1	0.08	10	0.65	409	4	0.01	50	1040	18	0.07	2	2	49
CC74882		<10	1	0.08	10	0.35	361	11	0.01	62	1030	292	0.06	31	2	46
CC74883		<10	<1	0.08	10	0.10	246	28	<0.01	57	870	232	<0.01	41	1	22
CC74884		<10	<1	0.07	20	0.27	221	36	<0.01	125	1010	367	<0.01	66	3	27
CC74885		<10	1	0.08	10	0.11	83	31	0.01	61	1150	79	0.05	12	<1	42
CC74886		<10	<1	0.12	10	0.25	387	48	<0.01	84	660	62	<0.01	20	2	35
CC74887		<10	<1	0.07	10	0.34	205	28	<0.01	62	810	76	0.01	15	2	23
CC74888		<10	<1	0.07	10	0.34	195	23	<0.01	66	940	62	<0.01	12	3	18
CC74889		<10	<1	0.05	10	0.25	270	6	<0.01	15	490	22	<0.01	<2	2	8
CC74890		<10	1	0.03	10	0.07	544	9	<0.01	22	450	22	<0.01	5	2	10
CC74891		10	<1	0.04	10	0.45	217	12	<0.01	94	500	23	<0.01	3	2	8
CC74892		<10	<1	0.07	10	0.13	129	41	<0.01	76	800	97	<0.01	17	1	33
CC74893		<10	<1	0.07	10	0.19	94	21	<0.01	55	1190	72	0.01	7	<1	41
CC74894		<10	1	0.08	10	0.35	915	13	0.01	44	1860	36	0.10	4	1	71
CC74895		<10	<1	0.11	10	0.77	863	5	0.01	58	1520	16	0.08	2	2	44
CC74896		<10	<1	0.06	<10	0.59	423	3	0.01	22	1200	8	0.15	<2	<1	62
CC74897		<10	<1	0.08	10	2.58	416	7	0.01	58	1210	26	0.02	4	3	51
CC74898		<10	<1	0.09	10	0.06	47	24	<0.01	26	1150	2010	0.05	100	<1	40
CC74899		<10	<1	0.08	10	0.09	122	24	<0.01	64	980	1240	0.02	540	1	65
CC74900		<10	<1	0.08	10	0.22	158	41	<0.01	101	1230	145	0.01	20	2	42
CC74901		<10	<1	0.08	10	0.17	112	57	<0.01	132	1290	124	0.02	31	1	35
CC74902		<10	<1	0.05	10	0.18	109	31	<0.01	60	640	116	0.01	12	2	29
CC74903		<10	1	0.05	10	0.03	55	32	<0.01	69	680	30	0.01	10	<1	8

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 25-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10076146

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Pb-OG46
	Analyte	Th	Ti	Tl	U	V	W	Zn	Pb
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%
	LOR	20	0.01	10	10	1	10	2	0.001
CC74864		<20	0.02	<10	<10	62	<10	239	
CC74865		<20	0.01	<10	<10	45	<10	146	
CC74866		<20	<0.01	<10	<10	143	<10	159	
CC74867		<20	<0.01	<10	<10	73	<10	98	
CC74868		<20	0.01	<10	<10	71	<10	253	
CC74869		<20	0.02	<10	<10	44	<10	227	
CC74870		<20	0.05	<10	<10	158	<10	284	
CC74871		<20	0.02	<10	<10	139	<10	391	
CC74872		<20	0.01	<10	<10	108	<10	122	
CC74873		<20	0.01	<10	<10	119	<10	472	
CC74874		<20	0.02	<10	<10	96	<10	361	
CC74875		<20	<0.01	<10	<10	112	<10	296	
CC74876		<20	0.01	<10	<10	113	<10	234	
CC74877		<20	<0.01	<10	<10	18	<10	75	
CC74878		<20	0.01	<10	<10	61	<10	198	
CC74879		<20	0.01	<10	<10	69	<10	212	
CC74880		<20	<0.01	<10	<10	18	<10	168	
CC74881		<20	0.01	<10	<10	46	<10	217	
CC74882		<20	<0.01	<10	<10	51	<10	363	
CC74883		<20	<0.01	<10	<10	97	<10	278	
CC74884		<20	0.01	<10	<10	65	<10	597	
CC74885		<20	<0.01	<10	<10	146	<10	582	
CC74886		<20	0.01	10	<10	356	<10	1115	
CC74887		<20	0.02	<10	<10	176	<10	580	
CC74888		<20	0.02	<10	<10	133	<10	258	
CC74889		<20	0.03	<10	<10	85	<10	88	
CC74890		<20	0.02	<10	<10	155	<10	118	
CC74891		<20	0.03	<10	<10	84	<10	128	
CC74892		<20	0.01	<10	<10	119	<10	309	
CC74893		<20	<0.01	<10	<10	94	<10	203	
CC74894		<20	<0.01	<10	<10	53	<10	189	
CC74895		<20	0.02	<10	<10	66	<10	270	
CC74896		<20	<0.01	<10	<10	23	<10	98	
CC74897		<20	0.03	<10	<10	66	<10	217	
CC74898		<20	<0.01	<10	10	40	<10	167	
CC74899		<20	<0.01	<10	<10	34	<10	473	
CC74900		<20	0.01	<10	<10	127	<10	524	
CC74901		<20	<0.01	<10	<10	118	<10	625	
CC74902		<20	0.01	<10	<10	150	<10	347	
CC74903		<20	<0.01	<10	<10	66	<10	264	

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Project: RAU

Finalized Date: 25-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10076146

Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Sample Description Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC74904	0.34	0.004	3.9	1.71	67	<10	150	<0.5	<2	0.04	0.7	5	36	29	2.57
CC74905	0.32	0.053	1.0	1.60	172	<10	160	0.5	4	0.06	2.3	6	27	40	2.96
CC74907	0.16	0.005	0.9	0.83	149	<10	210	<0.5	<2	0.05	2.6	5	42	34	2.45
CC74908	0.16	0.013	3.0	1.39	120	<10	190	0.6	2	0.09	5.0	6	26	73	2.54
CC74909	0.26	0.017	3.9	1.01	186	<10	220	0.5	<2	0.28	5.8	7	45	146	2.68
CC74910	0.18	<0.001	3.6	0.68	168	<10	220	<0.5	<2	0.13	2.2	2	32	60	2.40
CC74911	0.18	0.003	2.1	1.07	154	<10	150	<0.5	<2	0.11	3.8	4	42	76	2.49
CC74912	0.16	0.008	12.4	1.57	90	<10	220	<0.5	2	0.06	0.8	5	43	22	3.82
CC74913	0.24	0.006	1.8	1.17	125	<10	190	<0.5	<2	0.04	2.2	4	36	53	2.86
CC74914	0.14	0.004	1.1	0.89	78	<10	180	<0.5	<2	0.06	1.3	2	22	35	1.93
CC74915	0.20	0.003	0.9	1.64	43	<10	250	<0.5	<2	0.11	2.5	11	52	54	3.28
CC74916	0.14	0.004	2.0	1.00	35	<10	250	<0.5	<2	0.15	4.2	4	29	53	1.71
CC74917	0.04	<0.001	1.6	0.59	8	<10	300	<0.5	<2	0.99	1.6	3	25	33	1.15
CC74918	0.08	0.002	0.3	0.17	6	<10	210	<0.5	<2	3.73	2.9	1	5	26	0.29
CC74919	0.06	0.005	0.4	1.15	22	<10	490	<0.5	<2	2.18	3.3	16	49	70	2.61
CC74920	0.02	NSS	0.3	0.14	4	<10	230	<0.5	<2	2.70	3.6	2	6	23	0.66
CC74921	0.02	<0.001	0.3	0.50	12	<10	500	<0.5	<2	2.21	0.7	5	19	29	1.13
CC74922	0.18	0.057	3.3	0.47	93	<10	100	<0.5	2	0.11	3.8	4	10	37	1.89
CC74923	0.22	0.005	0.7	0.61	190	<10	130	<0.5	<2	0.04	3.0	5	32	34	2.07
CC74924	0.26	0.017	4.3	0.73	174	<10	150	<0.5	2	0.32	6.1	4	33	91	2.32
CC74925	0.20	0.009	1.3	0.81	138	<10	140	<0.5	<2	0.06	2.2	4	38	62	2.21
CC74926	0.38	0.008	6.2	0.90	332	<10	230	0.5	<2	0.27	5.5	4	39	304	2.76
CC74927	0.28	<0.001	1.9	1.31	33	<10	100	<0.5	<2	0.06	<0.5	2	26	11	2.71
CC74928	0.46	0.006	1.1	1.35	108	<10	160	<0.5	<2	0.04	1.9	5	25	50	2.66
CC74929	0.20	0.002	2.0	2.22	32	<10	170	0.5	<2	0.07	0.5	6	35	21	3.00
CC74930	0.16	0.002	2.9	1.65	40	<10	310	0.6	<2	0.08	4.3	7	38	77	3.34
CC74931	0.22	0.004	6.3	1.62	39	<10	510	0.5	<2	0.09	1.2	5	52	39	2.63
CC74932	0.34	<0.001	2.2	0.91	14	<10	440	<0.5	<2	0.03	0.7	2	35	25	1.01
CC74933	0.18	0.033	3.2	1.30	53	<10	550	<0.5	2	0.04	0.7	4	29	50	2.67
CC74934	0.28	0.001	2.7	1.96	15	<10	490	<0.5	<2	0.07	2.0	7	31	24	3.19
CC74935	0.18	0.001	1.1	1.73	10	<10	840	<0.5	<2	0.20	1.6	8	26	23	2.90
CC74936	0.22	0.002	0.5	2.00	10	<10	530	0.7	<2	0.27	2.1	9	30	26	3.11
CC74937	0.18	<0.001	0.6	1.59	12	<10	330	<0.5	<2	0.15	0.9	9	25	23	2.78
CC74938	0.36	0.001	0.3	2.06	21	<10	240	0.6	<2	0.04	<0.5	15	30	36	3.73
CC74939	0.26	0.001	1.7	1.10	53	<10	350	<0.5	<2	0.03	1.2	4	48	47	2.56
CC74940	0.26	0.003	1.5	1.33	29	<10	170	<0.5	<2	0.07	0.7	3	33	34	2.72
CC74941	0.22	0.005	2.5	1.07	41	<10	300	<0.5	<2	0.07	0.8	5	51	85	2.37
CC74942	0.24	0.017	4.9	2.04	44	<10	480	0.7	<2	0.18	0.7	4	60	66	3.35
CC74943	0.18	0.103	1.6	0.41	23	<10	250	<0.5	<2	0.04	0.5	1	14	38	1.35
CC74944	0.20	0.001	0.6	0.37	76	<10	100	<0.5	<2	0.08	3.5	4	11	166	1.80

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Project: RAU

CERTIFICATE OF ANALYSIS VA10076146

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC74904		<10	1	0.05	10	0.24	187	26	<0.01	36	520	77	0.01	12	3	19
CC74905		<10	<1	0.05	10	0.21	180	29	<0.01	52	740	62	0.03	10	2	21
CC74907		<10	<1	0.08	10	0.14	115	49	<0.01	89	960	151	0.02	13	1	23
CC74908		<10	<1	0.07	10	0.16	194	40	<0.01	105	1330	200	0.02	13	1	25
CC74909		<10	<1	0.09	20	0.27	128	42	<0.01	133	2470	145	0.02	31	3	57
CC74910		<10	<1	0.10	10	0.07	103	38	<0.01	34	2300	78	0.06	40	1	60
CC74911		<10	1	0.08	10	0.18	139	28	<0.01	53	1600	72	0.03	22	1	39
CC74912		10	<1	0.12	10	0.24	266	33	<0.01	18	1410	124	0.08	17	1	24
CC74913		<10	<1	0.06	10	0.18	102	37	<0.01	66	630	118	0.01	16	2	35
CC74914		<10	<1	0.07	10	0.12	86	28	<0.01	35	580	133	0.01	12	1	36
CC74915		<10	<1	0.07	10	0.51	215	12	<0.01	69	690	44	0.01	3	2	22
CC74916		<10	<1	0.07	10	0.17	73	17	<0.01	39	1300	62	0.05	4	<1	38
CC74917		<10	<1	0.06	10	0.14	100	3	0.01	30	1690	25	0.11	<2	<1	49
CC74918		<10	<1	0.02	<10	0.11	296	1	0.01	27	770	2	0.17	<2	<1	108
CC74919		<10	<1	0.06	10	0.72	654	5	0.01	93	1280	18	0.13	3	2	70
CC74920		<10	<1	0.04	<10	0.20	417	3	0.01	16	1100	2	0.25	<2	<1	66
CC74921		<10	<1	0.06	<10	0.46	172	3	0.02	21	980	11	0.17	<2	1	57
CC74922		<10	<1	0.07	10	0.03	54	29	<0.01	65	1040	162	0.04	35	<1	11
CC74923		<10	<1	0.06	20	0.07	90	69	<0.01	123	530	124	<0.01	13	1	12
CC74924		<10	<1	0.07	20	0.14	83	40	<0.01	119	2080	107	<0.01	31	2	44
CC74925		<10	<1	0.06	10	0.14	75	38	<0.01	83	1020	144	<0.01	18	1	37
CC74926		<10	1	0.07	20	0.11	106	50	<0.01	138	2600	61	0.02	98	3	158
CC74927		10	<1	0.04	10	0.18	181	10	<0.01	9	1170	22	<0.01	<2	2	8
CC74928		<10	<1	0.04	10	0.19	130	34	<0.01	63	480	101	<0.01	13	2	28
CC74929		10	1	0.05	10	0.35	228	7	<0.01	22	400	30	<0.01	4	3	13
CC74930		10	<1	0.08	10	0.26	395	37	<0.01	39	1270	23	0.01	6	2	58
CC74931		<10	<1	0.10	20	0.29	182	19	<0.01	26	1490	49	0.04	6	2	32
CC74932		<10	<1	0.06	20	0.09	50	17	<0.01	10	950	127	0.01	8	1	33
CC74933		<10	<1	0.07	10	0.21	144	16	<0.01	24	1190	22	0.02	5	1	34
CC74934		10	<1	0.08	10	0.32	288	9	<0.01	21	760	18	<0.01	<2	3	19
CC74935		10	1	0.07	10	0.33	402	4	<0.01	25	1530	15	<0.01	<2	2	16
CC74936		10	<1	0.07	10	0.41	799	3	<0.01	28	560	21	<0.01	<2	3	13
CC74937		10	<1	0.14	10	0.37	800	4	0.02	26	700	19	0.01	<2	2	12
CC74938		10	<1	0.09	20	0.49	758	5	0.01	38	510	24	<0.01	<2	2	5
CC74939		<10	<1	0.07	20	0.16	138	32	0.01	29	830	44	0.02	12	2	64
CC74940		10	<1	0.05	10	0.17	165	15	0.01	14	1270	21	0.01	4	1	40
CC74941		<10	1	0.08	10	0.23	132	18	0.01	26	1340	31	0.03	6	1	45
CC74942		10	1	0.15	20	0.30	210	18	0.02	20	2710	29	0.03	10	2	297
CC74943		<10	<1	0.23	20	0.04	63	57	0.01	5	820	13	0.21	3	1	84
CC74944		<10	<1	0.09	10	0.03	61	63	0.01	112	1230	16	0.04	11	<1	61

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CERTIFICATE OF ANALYSIS VA10076146

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Pb-OG46
	Analyte	Th	Ti	Tl	U	V	W	Zn	Pb
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%
	LOR	20	0.01	10	10	1	10	2	0.001
CC74904		<20	0.03	<10	<10	140	<10	150	
CC74905		<20	0.02	<10	<10	94	<10	227	
CC74907		<20	0.01	<10	<10	115	<10	402	
CC74908		<20	<0.01	<10	<10	72	<10	441	
CC74909		<20	0.01	<10	<10	161	<10	575	
CC74910		<20	0.02	<10	<10	281	<10	147	
CC74911		<20	0.01	<10	<10	200	<10	248	
CC74912		<20	0.03	<10	<10	239	<10	92	
CC74913		<20	0.02	<10	<10	135	<10	301	
CC74914		<20	0.02	<10	<10	153	<10	163	
CC74915		<20	0.02	<10	<10	115	<10	233	
CC74916		<20	<0.01	<10	<10	113	<10	172	
CC74917		<20	<0.01	<10	<10	27	<10	108	
CC74918		<20	<0.01	<10	<10	6	<10	140	
CC74919		<20	0.02	<10	<10	51	<10	216	
CC74920		<20	<0.01	<10	<10	8	<10	48	
CC74921		<20	<0.01	<10	<10	57	<10	57	
CC74922		<20	<0.01	<10	<10	29	<10	231	
CC74923		<20	<0.01	<10	<10	98	<10	415	
CC74924		<20	<0.01	<10	<10	180	<10	474	
CC74925		<20	0.01	<10	<10	128	<10	372	
CC74926		<20	0.01	<10	20	324	<10	417	
CC74927		<20	0.04	<10	<10	111	<10	39	
CC74928		<20	0.02	10	<10	105	<10	264	
CC74929		<20	0.04	<10	<10	95	<10	95	
CC74930		<20	0.03	<10	10	481	<10	417	
CC74931		<20	0.02	10	<10	380	<10	125	
CC74932		<20	<0.01	<10	<10	356	<10	71	
CC74933		<20	0.01	<10	<10	175	<10	115	
CC74934		<20	0.03	<10	<10	113	<10	158	
CC74935		<20	0.01	<10	<10	73	<10	223	
CC74936		<20	0.01	<10	<10	83	<10	179	
CC74937		<20	0.02	<10	<10	60	<10	122	
CC74938		<20	0.02	<10	<10	62	<10	143	
CC74939		<20	0.03	<10	<10	481	<10	179	
CC74940		<20	0.03	<10	<10	213	<10	74	
CC74941		<20	0.02	<10	<10	255	<10	103	
CC74942		<20	0.03	<10	20	342	<10	104	
CC74943		<20	0.01	<10	10	151	<10	21	
CC74944		<20	0.01	<10	20	87	<10	379	

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 25-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10076146

Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Sample Description Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC74945	0.14	0.007	0.7	0.44	27	<10	100	<0.5	<2	0.03	4.4	4	10	40	1.97
CC74946	0.16	0.023	1.7	0.36	421	<10	180	<0.5	<2	0.77	40.4	15	10	77	3.84
CC74947	0.24	<0.001	1.0	0.50	73	<10	190	<0.5	<2	0.14	8.2	3	12	36	1.26
CC74948	0.24	0.007	1.4	0.58	296	<10	110	<0.5	<2	0.04	5.3	6	15	60	2.38
CC74949	0.16	0.012	1.4	1.33	173	<10	270	0.5	<2	0.22	6.6	7	37	98	2.59
CC74950	0.24	0.009	6.0	1.59	89	<10	270	<0.5	<2	0.21	1.6	4	41	88	2.44
CC74951	0.22	0.001	14.3	2.44	39	<10	320	0.6	<2	0.08	2.6	8	33	29	3.01
CC74952	0.20	0.004	4.1	1.86	74	<10	220	0.5	<2	0.09	1.4	6	35	37	2.97
CC74953	0.28	0.006	1.4	0.92	105	<10	150	<0.5	<2	0.08	2.1	7	24	63	2.93
CC74954	0.32	0.005	1.8	2.00	64	<10	230	0.5	<2	0.07	1.0	7	32	34	2.83
CC74955	0.14	0.003	1.6	1.86	38	<10	160	<0.5	<2	0.09	0.5	6	33	24	3.76
CC74956	0.32	0.003	1.0	1.11	45	<10	350	<0.5	<2	0.12	2.7	11	35	65	3.19
CC74957	0.16	0.006	1.9	2.02	119	<10	230	0.5	<2	0.06	2.2	8	34	40	3.47
CC74958	0.06	NSS	0.9	0.33	9	<10	230	<0.5	<2	1.98	3.7	7	10	24	1.10
CC74959	0.08	0.018	1.0	1.62	22	<10	640	<0.5	<2	2.29	4.1	25	62	82	3.68
CC74960	0.02	NSS	1.7	0.09	2	<10	190	<0.5	<2	2.45	4.5	1	4	31	0.39
CC74961	0.06	NSS	0.6	0.16	3	<10	240	<0.5	<2	3.16	1.5	3	6	27	0.38
CC74962	0.18	0.001	0.5	1.21	13	<10	400	<0.5	<2	1.29	4.1	13	32	48	3.44
CC74963	0.18	0.012	1.2	1.03	39	<10	330	<0.5	<2	0.11	3.2	5	27	111	2.76
CC74964	0.28	<0.001	2.0	0.92	28	<10	280	<0.5	<2	0.13	1.4	1	64	105	1.82
CC74965	0.30	0.004	0.8	1.55	26	<10	310	0.5	<2	0.08	0.5	4	42	97	2.18
CC74966	0.18	<0.001	1.3	0.88	13	<10	240	<0.5	<2	0.06	<0.5	2	33	40	1.75
CC74967	0.20	0.001	1.9	1.51	30	<10	290	0.6	<2	0.07	0.9	4	33	71	2.33
CC74968	0.14	<0.001	0.8	0.43	27	<10	110	<0.5	<2	0.06	3.1	2	16	108	1.45
CC74969	0.18	0.002	0.6	0.39	36	<10	120	<0.5	<2	0.10	9.4	3	9	99	1.50
CC74970	0.02	NSS	1.2	0.21	8	<10	90	<0.5	<2	2.48	11.2	1	4	66	0.37
CC74971	0.12	0.025	0.9	0.53	162	<10	200	<0.5	<2	1.13	18.0	28	13	80	5.42
CC74972	0.12	0.011	1.1	0.47	89	<10	810	<0.5	<2	0.86	32.4	4	9	42	1.49
CC74973	0.22	0.008	0.7	1.65	120	<10	230	0.5	<2	0.12	2.8	6	29	34	2.80
CC74974	0.12	0.006	1.4	0.42	98	<10	130	<0.5	2	0.09	2.6	3	13	39	1.45
CC74975	0.18	0.005	1.6	1.25	126	<10	600	0.6	<2	0.43	8.1	4	51	84	2.50
CC74976	0.22	0.002	1.1	1.69	93	<10	270	<0.5	4	0.14	2.2	5	41	20	3.31
CC74977	0.22	0.002	0.7	0.89	50	<10	180	<0.5	<2	0.06	1.2	2	19	15	2.24
CC74978	0.24	0.009	2.9	1.13	169	<10	230	0.5	2	0.08	3.0	5	26	68	2.53
CC74979	0.30	0.002	1.4	1.52	21	<10	90	<0.5	2	0.05	<0.5	3	23	11	3.34
CC74980	0.26	0.002	0.3	1.84	15	<10	330	0.5	<2	0.09	0.8	11	28	28	3.09
CC74981	0.24	0.003	<0.2	2.52	12	<10	250	0.5	<2	0.05	<0.5	13	38	37	4.05
CC74982	0.18	0.002	<0.2	1.71	3	<10	320	<0.5	3	0.16	1.5	18	18	66	5.02
CC74983	0.20	0.001	1.2	2.25	13	<10	550	0.6	<2	0.08	2.4	11	32	29	3.54
CC74984	0.20	0.001	1.5	1.40	16	<10	550	<0.5	2	0.07	0.6	4	29	18	2.30

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Project: RAU

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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC74945		<10	<1	0.17	10	0.03	59	7	0.01	37	630	37	0.01	11	1	9
CC74946		<10	<1	0.16	10	0.15	726	19	0.02	112	790	135	0.09	64	4	27
CC74947		<10	<1	0.08	10	0.02	77	38	0.02	60	720	84	0.02	2	<1	13
CC74948		<10	<1	0.10	20	0.05	247	100	0.01	183	750	265	0.01	25	1	8
CC74949		<10	<1	0.14	20	0.28	249	45	0.02	92	1400	150	0.01	26	2	50
CC74950		10	1	0.12	20	0.24	145	16	0.02	27	2380	62	0.03	13	2	65
CC74951		10	1	0.06	10	0.35	277	10	0.01	21	700	31	0.01	9	3	12
CC74952		10	1	0.13	20	0.31	238	20	0.02	29	660	37	0.01	22	3	18
CC74953		<10	<1	0.07	10	0.21	159	36	0.01	81	650	97	<0.01	11	2	30
CC74954		10	<1	0.09	20	0.33	150	17	0.02	36	420	61	<0.01	7	3	28
CC74955		10	1	0.09	10	0.43	287	11	0.02	23	430	38	<0.01	3	3	28
CC74956		<10	<1	0.15	20	0.24	160	22	0.02	73	1270	41	0.04	6	1	27
CC74957		10	<1	0.06	10	0.32	248	29	0.01	56	780	90	0.01	10	3	27
CC74958		<10	1	0.09	10	0.12	344	6	0.03	21	1120	8	0.13	<2	1	72
CC74959		<10	1	0.10	10	0.83	945	8	0.03	122	1610	27	0.12	2	3	90
CC74960		<10	<1	0.07	<10	0.15	257	3	0.04	19	870	158	0.16	<2	<1	71
CC74961		<10	<1	0.04	<10	0.22	377	5	0.03	24	980	25	0.18	<2	<1	79
CC74962		<10	<1	0.11	20	0.94	426	4	0.02	55	1770	17	0.08	<2	2	54
CC74963		<10	<1	0.10	10	0.11	745	31	0.03	28	1620	30	0.04	6	1	78
CC74964		<10	<1	0.06	20	0.05	68	22	0.01	11	2700	96	0.01	14	1	557
CC74965		<10	1	0.10	20	0.26	140	16	0.01	16	910	19	0.01	5	3	40
CC74966		<10	1	0.11	10	0.13	96	31	0.01	5	670	17	0.05	4	1	19
CC74967		<10	<1	0.15	20	0.17	179	30	0.01	18	1070	16	0.08	4	2	162
CC74968		<10	<1	0.10	10	0.04	69	45	0.01	47	1010	31	0.05	4	<1	41
CC74969		<10	<1	0.09	10	0.04	90	41	0.01	71	1060	11	0.05	4	<1	17
CC74970		<10	<1	0.07	<10	0.30	200	24	0.02	19	1070	24	0.16	<2	<1	78
CC74971		<10	<1	0.15	10	0.14	649	11	0.02	154	1020	59	0.07	18	4	30
CC74972		<10	<1	0.05	<10	0.05	450	61	0.02	77	920	111	0.07	3	1	44
CC74973		10	<1	0.12	20	0.30	214	34	0.01	63	600	159	0.01	11	3	22
CC74974		<10	<1	0.06	10	0.02	69	50	<0.01	76	680	70	0.02	13	<1	12
CC74975		<10	1	0.11	20	0.20	687	19	0.01	42	2360	119	0.07	31	1	201
CC74976		10	<1	0.07	10	0.24	196	10	<0.01	13	2210	38	0.03	9	2	36
CC74977		10	<1	0.09	10	0.09	152	18	0.01	14	820	31	0.04	9	1	18
CC74978		<10	1	0.05	10	0.15	105	47	<0.01	80	1040	150	0.03	22	2	68
CC74979		10	<1	0.06	10	0.13	194	7	<0.01	9	450	22	0.01	3	2	8
CC74980		10	1	0.09	20	0.46	587	3	0.01	32	470	28	0.01	2	3	9
CC74981		10	<1	0.14	30	0.87	548	1	0.01	36	280	18	<0.01	<2	3	8
CC74982		10	<1	0.18	30	0.65	525	4	<0.01	51	1550	20	0.02	2	2	17
CC74983		10	1	0.13	20	0.54	458	7	0.01	39	620	18	0.01	2	3	9
CC74984		10	<1	0.06	10	0.26	182	6	<0.01	16	690	22	0.01	3	2	26

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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Pb-OG46
	Analyte	Th	Ti	Tl	U	V	W	Zn	Pb
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%
	LOR	20	0.01	10	10	1	10	2	0.001
CC74945		<20	0.01	<10	<10	25	<10	286	
CC74946		<20	<0.01	<10	<10	17	<10	1245	
CC74947		<20	0.01	<10	<10	36	<10	170	
CC74948		<20	0.01	<10	<10	116	<10	569	
CC74949		<20	0.03	<10	<10	163	<10	375	
CC74950		<20	0.03	<10	<10	153	<10	98	
CC74951		<20	0.04	<10	<10	143	<10	211	
CC74952		<20	0.05	<10	<10	224	<10	129	
CC74953		<20	0.03	<10	<10	103	<10	308	
CC74954		<20	0.05	<10	<10	115	<10	137	
CC74955		<20	0.06	<10	<10	92	<10	98	
CC74956		<20	0.01	<10	<10	118	<10	224	
CC74957		<20	0.03	<10	<10	119	<10	276	
CC74958		<20	0.01	<10	<10	22	<10	91	
CC74959		<20	0.03	<10	<10	64	<10	288	
CC74960		<20	<0.01	<10	<10	5	<10	83	
CC74961		<20	<0.01	<10	<10	7	<10	60	
CC74962		<20	0.04	<10	<10	57	<10	291	
CC74963		<20	0.02	<10	10	298	<10	196	
CC74964		<20	0.01	<10	10	268	<10	59	
CC74965		<20	0.03	<10	10	299	<10	54	
CC74966		<20	0.02	<10	<10	263	<10	22	
CC74967		<20	0.02	<10	10	231	<10	94	
CC74968		<20	0.01	<10	10	125	<10	180	
CC74969		<20	0.01	<10	10	45	<10	275	
CC74970		<20	<0.01	<10	10	25	<10	105	
CC74971		<20	<0.01	<10	<10	18	<10	1580	
CC74972		<20	0.01	<10	<10	32	<10	416	
CC74973		<20	0.04	<10	<10	99	<10	327	
CC74974		<20	0.01	<10	<10	55	<10	254	
CC74975		<20	0.02	<10	<10	239	<10	256	
CC74976		<20	0.04	<10	<10	199	<10	154	
CC74977		<20	0.04	<10	<10	162	<10	91	
CC74978		<20	0.02	<10	<10	130	<10	372	
CC74979		<20	0.06	<10	<10	118	<10	55	
CC74980		<20	0.03	<10	<10	60	<10	142	
CC74981		<20	0.02	<10	<10	47	<10	116	
CC74982		<20	0.01	<10	<10	37	<10	174	
CC74983		<20	0.02	<10	<10	65	<10	418	
CC74984		<20	0.03	<10	<10	172	<10	108	

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Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Sample Description Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC74985	0.14	0.063	2.2	1.76	94	<10	1900	0.6	5	0.11	2.6	6	50	81	2.99
CC74986	0.24	0.002	1.1	0.53	26	<10	280	<0.5	<2	0.02	0.6	1	37	33	1.45
CC74987	0.18	0.002	1.2	1.86	29	<10	740	0.7	<2	0.13	1.8	6	49	26	2.54
CC74988	0.20	0.001	3.3	1.90	22	<10	330	<0.5	2	0.07	1.7	5	47	22	3.10
CC74989	0.20	0.003	2.7	1.47	80	<10	350	0.6	<2	0.20	1.5	3	59	44	2.62
CC74990	0.20	0.004	2.8	0.77	28	<10	420	<0.5	<2	0.03	<0.5	1	47	54	2.25
CC74991	0.22	0.004	2.3	1.59	42	<10	440	1.0	<2	0.12	2.4	3	52	148	3.13
CC74992	0.24	NSS	1.5	1.06	18	<10	310	0.6	<2	0.06	1.2	3	37	153	2.12
CC74993	0.20	0.001	0.8	0.64	30	<10	170	1.3	<2	0.03	5.8	5	16	400	2.81
CC74994	0.20	0.004	<0.2	0.36	65	<10	80	0.6	2	0.04	4.3	5	15	220	2.91
CC74995	0.20	0.049	2.6	0.81	142	<10	230	0.5	<2	0.15	14.7	9	25	87	3.48
CC74996	0.18	0.005	0.2	0.46	179	<10	90	<0.5	2	0.04	4.1	4	11	21	2.30
CC74997	0.24	2.44	84.4	0.74	405	<10	260	<0.5	67	0.21	49.1	13	18	396	4.98
CC74998	0.14	0.005	1.1	1.00	194	<10	220	<0.5	2	0.09	5.2	4	20	23	2.67
CC74999	0.18	0.016	1.5	1.51	150	<10	170	<0.5	2	0.07	2.8	4	26	27	2.97
CC75000	0.12	0.007	1.6	1.77	84	<10	570	0.6	<2	0.27	2.0	7	45	68	2.72
CC75001	0.20	0.009	4.3	2.11	74	<10	480	0.6	<2	0.16	0.7	5	55	23	2.42
CC75002	0.18	0.002	0.7	1.54	86	<10	300	<0.5	2	0.13	1.1	3	33	18	2.91
CC75003	0.18	0.015	2.3	1.77	199	<10	240	0.6	<2	0.07	2.8	8	32	55	3.06
CC75004	0.22	0.008	3.5	1.29	152	<10	250	0.6	<2	0.12	3.2	6	35	86	2.56
CC75005	0.12	0.003	1.0	2.28	35	<10	180	0.6	2	0.10	1.0	5	37	23	2.86
CC75006	0.18	0.002	<0.2	2.35	25	<10	160	<0.5	2	0.13	1.1	11	70	29	4.48
CC75007	0.16	0.001	<0.2	4.59	17	<10	350	<0.5	2	0.75	3.2	52	221	85	7.23
CC75008	0.10	0.003	0.2	2.96	16	<10	780	<0.5	2	1.61	1.4	36	145	69	5.32
CC75009	0.10	NSS	0.7	1.21	21	<10	490	<0.5	<2	2.55	3.1	13	38	71	2.16
CC75010	0.20	0.005	1.0	1.51	36	<10	470	0.5	<2	0.70	3.0	15	48	73	2.91
CC75011	0.12	0.003	0.8	1.47	19	<10	460	0.5	<2	1.99	1.6	11	34	48	2.97
CC75012	0.08	0.003	0.7	1.51	20	<10	550	0.5	<2	1.11	2.8	11	43	51	3.07

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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10076146

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC74985		10	<1	0.20	20	0.32	279	24	0.01	47	1550	76	0.08	15	2	74
CC74986		<10	<1	0.09	10	0.07	67	62	<0.01	15	650	29	0.14	15	1	84
CC74987		10	<1	0.09	20	0.32	277	12	0.01	23	1600	22	0.02	6	3	41
CC74988		10	1	0.10	20	0.31	209	18	0.01	14	810	19	0.07	6	3	32
CC74989		<10	<1	0.12	20	0.16	240	18	0.01	16	3800	136	0.06	12	1	268
CC74990		<10	1	0.20	10	0.08	92	76	<0.01	4	1200	19	0.28	6	2	22
CC74991		<10	1	0.12	20	0.14	206	32	0.01	32	2160	24	0.04	14	2	336
CC74992		<10	<1	0.13	20	0.12	184	32	<0.01	11	970	23	0.13	6	2	123
CC74993		<10	<1	0.14	20	0.03	111	92	<0.01	203	1140	14	0.04	11	1	90
CC74994		<10	<1	0.14	20	0.03	118	105	<0.01	173	770	11	0.03	14	1	16
CC74995		<10	<1	0.17	10	0.16	152	56	0.01	128	1310	411	0.05	47	1	30
CC74996		<10	<1	0.06	10	0.03	124	74	<0.01	114	590	169	0.01	20	<1	8
CC74997		<10	1	0.21	20	0.11	357	450	0.02	129	1680	>10000	0.12	6200	4	47
CC74998		<10	<1	0.09	10	0.12	227	54	0.01	70	760	211	0.02	28	1	18
CC74999		10	1	0.10	20	0.22	163	48	0.01	54	730	286	0.02	44	1	19
CC75000		<10	1	0.10	20	0.37	232	12	0.01	22	2590	70	0.02	18	3	92
CC75001		10	2	0.17	20	0.31	163	11	0.02	13	1910	62	0.01	13	3	80
CC75002		10	1	0.13	20	0.20	178	21	0.01	17	810	80	0.01	21	2	47
CC75003		<10	1	0.13	20	0.31	169	47	0.01	95	610	190	0.01	17	3	37
CC75004		<10	1	0.14	20	0.20	128	45	0.01	91	910	132	0.02	24	2	65
CC75005		10	<1	0.10	20	0.23	163	11	0.01	17	440	40	0.03	3	3	29
CC75006		10	1	0.13	20	1.13	355	13	0.02	61	670	27	0.03	4	4	17
CC75007		10	1	0.19	10	4.28	1120	3	0.02	216	1270	9	0.03	<2	17	32
CC75008		10	<1	0.25	20	2.16	1075	4	0.04	125	1410	15	0.04	3	9	61
CC75009		<10	<1	0.10	10	0.70	470	3	0.03	71	1110	23	0.13	<2	3	74
CC75010		<10	<1	0.14	20	0.67	352	8	0.03	86	1270	44	0.03	3	4	39
CC75011		<10	<1	0.19	20	1.27	512	5	0.03	50	1480	24	0.07	<2	3	45
CC75012		<10	<1	0.25	20	0.77	353	5	0.04	50	1440	24	0.05	2	3	48

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 25-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10076146

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Pb-OG46
	Analyte	Th	Ti	Tl	U	V	W	Zn	Pb
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%
	LOR	20	0.01	10	10	1	10	2	0.001
CC74985		<20	0.01	<10	<10	310	<10	257	
CC74986		<20	0.01	<10	<10	396	<10	82	
CC74987		<20	0.03	<10	<10	383	<10	218	
CC74988		<20	0.04	<10	<10	436	<10	109	
CC74989		<20	0.02	<10	20	375	<10	73	
CC74990		<20	0.03	<10	<10	452	<10	20	
CC74991		<20	0.03	<10	20	327	<10	155	
CC74992		<20	0.03	<10	10	217	<10	52	
CC74993		<20	0.01	<10	30	184	<10	775	
CC74994		<20	0.01	<10	10	120	<10	672	
CC74995		<20	0.01	<10	<10	56	<10	895	
CC74996		<20	0.01	<10	<10	52	<10	426	
CC74997		<20	0.01	<10	10	38	<10	750	1.800
CC74998		<20	0.02	<10	<10	97	<10	330	
CC74999		<20	0.04	<10	<10	104	<10	230	
CC75000		<20	0.03	<10	20	130	<10	100	
CC75001		<20	0.04	<10	<10	150	<10	63	
CC75002		<20	0.06	<10	<10	300	<10	125	
CC75003		<20	0.03	<10	<10	142	<10	419	
CC75004		<20	0.03	<10	<10	197	<10	384	
CC75005		<20	0.06	<10	<10	113	<10	74	
CC75006		<20	0.06	<10	<10	116	<10	214	
CC75007		<20	0.13	<10	<10	144	<10	262	
CC75008		<20	0.14	<10	<10	117	<10	187	
CC75009		<20	0.03	<10	<10	63	<10	195	
CC75010		<20	0.04	<10	<10	106	<10	268	
CC75011		<20	0.03	<10	<10	77	<10	211	
CC75012		<20	0.03	<10	<10	110	<10	228	

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Project: RAU

Finalized Date: 25-JUN-2010
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CERTIFICATE OF ANALYSIS VA10076146

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non-sufficient sample.

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Finalized Date: 28-JUN-2010
Account: RCM

CERTIFICATE VA10076147

Project: RAU

P.O. No.: BATCH 4

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 14-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

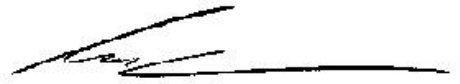
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:



Colin Ramshaw, Vancouver Laboratory Manager

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Project: RAU

Finalized Date: 28-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10076147

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA26 Au ppm 0.01	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
I074609		4.68	0.01	0.14	1.24	61	80	0.53	4.23	19.10	0.06	13.40	3.5	14	15.20	3.7
I074610		4.04	0.03	0.28	0.60	132.0	20	0.21	223	6.48	0.06	4.95	3.6	27	7.73	18.3
I074611		4.46	0.12	0.47	1.09	382	50	0.25	38.2	13.50	0.04	9.45	6.4	48	14.75	8.6
I074612		7.22	0.52	0.41	0.15	2530	10	0.18	237	2.62	0.03	6.19	0.8	6	1.06	6.6
I074613		8.52	0.50	0.36	0.17	2870	10	0.06	860	1.83	0.07	2.49	1.4	4	1.01	10.0
I074614		8.12	0.41	0.36	0.07	3690	10	<0.05	637	1.94	0.03	1.56	1.6	3	0.56	7.4
I074615		3.94	0.01	0.01	0.07	9	20	0.09	2.33	19.75	0.07	1.32	1.1	1	0.18	2.0
I074616		7.04	3.08	0.28	0.10	1780	10	<0.05	448	5.21	0.03	2.69	0.7	3	1.03	3.6
I074617		6.28	3.24	0.15	0.12	1245	20	<0.05	98.5	9.91	0.03	5.05	0.6	2	1.72	3.3
I074618		0.28	2.53	0.72	0.15	1640	20	0.28	89.8	13.60	1.49	9.87	1.4	11	0.92	30.5
I074619		6.04	3.50	0.19	0.07	949	10	<0.05	89.9	11.30	0.03	5.62	0.6	2	0.92	3.5
I074620		5.96	3.19	0.10	0.31	930	80	0.07	85.9	11.70	0.06	6.38	0.7	2	1.91	3.1
I074621		5.46	1.75	0.12	0.38	860	60	0.10	98.4	12.25	0.06	8.25	1.2	3	3.28	2.6
I074622		6.18	0.63	0.07	0.29	>10000	70	0.07	78.2	12.15	0.06	9.07	0.9	2	2.40	2.1
I074623		6.12	0.57	0.09	0.24	922	40	0.09	137.0	13.20	0.07	15.60	0.9	1	2.66	2.8
I074624		6.66	4.42	0.17	0.30	1950	40	0.26	246	10.50	0.03	8.61	0.8	1	2.17	4.6
I074625		2.92	3.27	0.14	0.28	1700	30	0.17	198.5	10.85	0.05	9.01	0.9	<1	2.26	4.5
I074626		4.54	0.37	0.17	0.11	1680	10	0.05	224	11.05	0.14	10.70	1.2	1	0.64	3.7
I074627		3.76	0.40	2.20	0.19	2580	30	0.07	319	11.00	3.58	36.1	2.4	<1	0.53	7.3
I074628		4.14	<0.01	0.03	0.07	<5	10	0.10	0.85	20.7	0.07	1.22	1.3	2	0.14	1.9
I074629		4.86	0.21	0.20	0.35	642	40	0.10	96.1	15.25	0.51	6.95	1.0	3	0.79	2.2
I074630		5.64	0.37	0.12	0.30	8650	40	0.08	52.6	14.60	0.06	10.45	1.0	2	0.69	2.1
I074631		5.44	0.11	0.07	0.09	1320	20	0.09	5.82	18.30	0.08	4.93	0.8	2	0.29	2.3
I074632		6.30	0.45	0.33	0.04	2040	10	<0.05	174.5	11.05	0.13	23.4	0.6	<1	0.27	3.6
I074633		5.64	0.15	0.09	0.04	3580	10	<0.05	49.7	16.35	0.08	17.20	0.7	1	0.25	2.1
I074634		5.76	0.15	0.12	0.05	1140	20	<0.05	123.0	14.80	0.09	34.0	0.8	<1	0.23	2.9
I074635		2.40	0.35	0.19	0.04	1410	10	<0.05	299	10.95	0.04	8.78	1.7	<1	0.31	3.7
I074636		4.86	0.02	0.04	0.50	15	60	0.25	1.55	19.50	0.02	5.77	1.4	4	3.82	2.2
I074637		5.48	0.01	0.04	0.15	8	40	0.14	1.53	20.2	0.03	4.40	1.6	2	0.88	1.2
I074638		5.26	0.01	0.06	1.31	26	320	0.44	2.26	18.75	0.04	11.60	2.2	8	3.79	2.0
I074639		5.40	0.02	0.04	0.17	54	80	0.11	1.22	20.4	0.03	4.87	1.2	2	0.44	1.5
I074640		0.28	2.85	0.69	0.15	1660	20	0.42	88.3	13.05	1.50	10.20	1.6	11	0.92	31.1
I074641		5.42	0.05	0.11	0.96	58	350	0.40	11.55	16.85	0.03	7.05	3.0	5	1.51	5.5
I074642		5.00	0.02	0.05	0.16	124	60	0.08	0.48	19.15	0.07	6.37	1.1	3	0.43	1.6
I074643		5.04	0.01	0.08	0.34	130	120	0.24	1.76	18.90	0.04	5.57	1.4	5	0.54	5.2
I074644		3.22	0.06	0.06	0.25	157	80	0.15	8.23	16.20	0.25	5.30	1.1	2	0.42	2.1

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I074609		2.61	5.31	0.14	0.5	0.012	1.11	7.1	11.2	11.10	815	0.22	0.02	7.1	8.3	260
I074610		11.90	4.05	0.20	0.4	0.017	0.44	2.1	4.2	4.02	444	0.25	0.02	1.6	9.4	220
I074611		11.40	5.79	0.22	0.6	0.020	0.91	4.7	7.3	7.25	835	0.36	0.02	5.6	14.1	380
I074612		29.1	1.17	0.42	0.1	0.005	0.06	3.8	1.3	1.51	133	0.10	0.01	0.7	3.6	240
I074613		34.7	1.25	0.45	0.1	0.012	0.08	1.3	1.3	1.17	135	0.09	0.01	1.0	8.8	190
I074614		34.4	0.68	0.50	<0.1	0.039	0.03	0.6	1.0	0.97	174	0.08	0.01	0.6	8.5	110
I074615		0.54	0.26	0.06	<0.1	0.005	0.03	0.7	0.9	12.45	194	0.08	0.01	0.3	0.5	220
I074616		24.6	0.86	0.44	0.1	0.025	0.07	1.2	1.0	2.81	567	0.09	0.01	0.8	1.0	80
I074617		16.80	1.06	0.32	<0.1	0.101	0.09	2.1	1.6	5.43	1540	0.08	0.01	0.6	0.6	80
I074618		9.66	0.96	0.16	0.2	0.047	0.07	5.0	2.5	7.89	1620	4.47	0.01	0.6	9.2	90
I074619		13.70	0.65	0.23	<0.1	0.099	0.05	2.4	1.6	6.31	1440	0.10	0.01	0.3	0.6	70
I074620		13.50	2.48	0.23	0.1	0.197	0.19	2.4	4.2	6.53	2460	0.06	0.01	1.2	1.3	130
I074621		12.45	2.83	0.23	0.2	0.203	0.24	3.1	4.7	6.90	2760	0.09	0.01	1.6	2.3	170
I074622		11.90	2.07	0.20	0.2	0.306	0.19	3.4	4.2	6.70	2990	0.06	0.01	1.3	1.7	180
I074623		13.40	1.90	0.23	0.2	0.227	0.17	8.3	3.1	7.11	3130	0.05	0.01	1.4	1.3	170
I074624		18.65	2.04	0.34	0.2	0.185	0.19	3.6	4.3	5.56	2440	0.05	0.01	1.0	1.7	100
I074625		17.55	2.09	0.34	0.2	0.203	0.18	3.4	4.1	5.74	2620	0.07	0.01	1.5	1.7	110
I074626		15.85	1.04	0.28	0.1	0.063	0.05	5.8	1.8	7.24	2270	0.13	0.01	0.8	3.1	100
I074627		17.80	1.54	0.35	0.2	0.063	0.04	23.9	1.3	6.35	2510	0.23	0.01	1.5	9.0	160
I074628		0.48	0.30	0.15	<0.1	<0.005	0.03	0.6	1.2	12.60	204	0.26	0.01	0.3	<0.2	170
I074629		8.41	2.30	0.15	0.2	0.073	0.16	3.2	2.2	8.68	2810	0.08	0.01	1.2	3.2	150
I074630		10.10	1.96	0.17	0.2	0.063	0.13	5.9	2.1	8.40	2650	0.05	0.01	1.1	2.0	180
I074631		4.44	0.64	0.11	0.1	0.048	0.04	3.0	1.9	11.00	1220	0.08	0.01	0.5	1.3	130
I074632		16.25	0.54	0.33	<0.1	0.062	0.01	16.0	1.1	6.79	1700	0.07	0.01	0.4	1.1	70
I074633		8.17	0.52	0.16	<0.1	0.080	0.02	9.8	1.5	9.54	2830	0.06	0.01	0.2	<0.2	120
I074634		11.20	0.67	0.24	<0.1	0.080	0.02	21.2	1.6	8.54	2620	0.08	0.01	0.4	0.5	90
I074635		16.35	0.52	0.32	0.1	0.066	0.02	4.6	1.2	6.61	1980	0.76	0.01	0.4	5.1	80
I074636		1.14	2.80	<0.05	0.3	0.026	0.31	3.8	5.6	11.40	963	0.21	0.02	3.3	<0.2	220
I074637		0.64	0.75	0.10	0.1	0.014	0.08	3.6	3.6	11.95	527	0.05	0.01	0.9	0.3	130
I074638		1.50	4.88	<0.05	0.4	0.020	0.68	7.7	15.1	10.90	716	0.11	0.02	8.5	2.3	230
I074639		1.49	0.82	<0.05	0.1	0.036	0.09	3.4	4.0	11.70	814	<0.05	0.01	1.0	<0.2	60
I074640		9.67	1.18	0.17	0.1	0.042	0.07	5.3	2.6	7.95	1640	4.60	0.01	1.0	9.8	80
I074641		2.60	4.60	0.07	0.6	0.043	0.49	4.8	10.7	10.35	713	0.10	0.02	7.3	8.8	200
I074642		1.78	0.97	<0.05	0.1	0.113	0.09	3.4	3.9	10.80	1650	0.08	0.01	0.8	1.4	130
I074643		1.58	1.58	<0.05	0.2	0.028	0.16	3.9	4.0	11.35	890	0.24	0.01	1.9	1.4	140
I074644		2.85	1.31	0.07	0.1	0.022	0.09	3.7	3.0	10.30	832	0.08	0.01	1.0	3.0	110

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 28-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10076147

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I074609		2.1	166.5	<0.002	2.32	0.29	1.8	2	0.7	55.1	0.39	<0.05	1.6	0.088	1.02	0.6
I074610		3.1	106.5	<0.002	9.40	3.24	2.3	8	0.9	28.8	0.08	0.47	0.7	0.038	0.51	0.7
I074611		4.2	173.5	<0.002	>10.0	4.49	2.4	10	0.9	57.2	0.28	0.22	1.2	0.094	1.01	0.9
I074612		6.0	14.0	0.013	>10.0	5.39	1.1	11	2.5	13.3	<0.05	0.39	0.3	0.010	0.19	0.2
I074613		6.7	14.8	0.009	>10.0	13.00	1.1	10	2.5	10.3	0.05	0.89	0.3	0.012	0.18	0.3
I074614		7.0	6.2	<0.002	>10.0	13.55	1.3	11	2.5	10.1	<0.05	0.67	<0.2	0.005	0.06	0.1
I074615		1.3	1.4	<0.002	0.14	0.09	0.4	1	<0.2	49.9	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
I074616		4.3	11.8	<0.002	>10.0	15.15	0.6	9	0.3	35.2	<0.05	0.40	<0.2	0.006	0.08	0.1
I074617		2.9	12.2	<0.002	>10.0	7.10	0.8	9	0.2	67.7	<0.05	0.07	<0.2	0.006	0.12	0.1
I074618		101.5	11.0	0.023	>10.0	5.01	2.1	5	4.3	71.6	<0.05	0.14	0.5	0.008	0.50	0.2
I074619		2.1	9.5	<0.002	>10.0	3.26	0.8	6	0.2	62.7	<0.05	0.09	<0.2	<0.005	0.07	<0.1
I074620		3.7	14.8	<0.002	>10.0	5.48	1.2	6	0.5	90.7	0.06	0.05	<0.2	0.020	0.13	0.1
I074621		3.5	21.3	<0.002	>10.0	3.18	1.7	5	0.5	101.0	0.08	0.06	<0.2	0.025	0.20	0.2
I074622		3.2	13.4	<0.002	>10.0	5.90	1.5	4	0.6	115.0	0.07	0.14	<0.2	0.023	0.15	0.2
I074623		4.1	21.0	<0.002	>10.0	4.71	1.8	5	0.7	109.5	0.07	0.06	0.2	0.024	0.17	0.2
I074624		4.2	24.0	0.015	>10.0	5.25	1.6	5	2.8	79.0	0.05	0.13	0.7	0.020	0.30	0.5
I074625		4.2	23.5	0.020	>10.0	4.89	1.8	5	2.2	83.2	0.06	0.10	0.3	0.022	0.40	0.4
I074626		14.1	7.8	0.005	>10.0	5.19	0.7	4	0.3	88.8	<0.05	0.22	0.6	0.009	0.16	0.3
I074627		210	5.1	0.006	>10.0	9.64	0.7	6	0.9	87.3	0.08	0.25	0.4	0.010	0.16	0.9
I074628		3.7	1.3	<0.002	<0.01	0.10	0.4	2	<0.2	38.6	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
I074629		6.9	16.3	<0.002	8.20	3.48	0.8	2	0.9	108.5	0.06	0.09	0.2	0.022	0.13	0.3
I074630		5.2	10.4	0.003	>10.0	3.61	0.7	2	0.5	112.5	0.06	0.17	0.4	0.020	0.11	0.5
I074631		2.8	4.5	0.002	4.72	1.77	0.4	3	0.2	67.2	<0.05	<0.05	<0.2	0.006	0.08	0.1
I074632		5.1	1.4	0.003	>10.0	6.17	0.4	7	0.3	88.3	<0.05	0.20	0.2	<0.005	0.10	0.3
I074633		3.9	1.4	<0.002	8.00	2.68	0.4	2	0.2	129.5	<0.05	0.11	<0.2	<0.005	0.05	0.2
I074634		5.0	1.4	<0.002	>10.0	3.97	0.4	4	0.2	120.0	<0.05	0.11	0.2	<0.005	0.06	0.3
I074635		4.4	2.3	0.002	>10.0	9.20	0.3	6	0.2	91.3	<0.05	0.23	<0.2	<0.005	0.11	0.2
I074636		2.4	40.5	<0.002	0.53	0.39	0.8	2	0.4	51.4	0.19	<0.05	0.7	0.032	0.23	0.3
I074637		3.6	8.6	<0.002	0.36	0.44	0.8	2	0.2	42.6	0.05	<0.05	0.2	0.018	0.06	0.1
I074638		2.2	41.5	<0.002	1.11	0.54	1.9	3	0.9	46.9	0.47	<0.05	1.9	0.083	0.29	0.4
I074639		2.2	4.4	<0.002	1.06	0.36	0.6	2	0.2	55.6	0.05	<0.05	0.2	0.010	0.04	0.1
I074640		103.0	11.1	0.024	>10.0	4.78	2.1	4	4.4	72.8	<0.05	0.11	0.5	0.010	0.45	0.2
I074641		1.9	22.0	<0.002	2.78	2.30	1.3	3	0.6	62.3	0.41	<0.05	1.4	0.059	0.17	0.6
I074642		1.6	4.1	<0.002	0.39	0.59	0.7	2	0.2	82.9	<0.05	<0.05	0.2	0.010	0.06	0.1
I074643		2.1	8.3	<0.002	0.46	0.75	1.0	3	0.4	61.5	0.10	<0.05	0.4	0.027	0.08	0.2
I074644		2.6	4.3	<0.002	2.08	0.82	0.5	2	0.3	48.9	0.05	<0.05	0.3	0.011	0.11	0.2

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Project: RAU

Finalized Date: 28-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10076147

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	As-OG62
	Analyte	V	W	Y	Zn	Zr	As
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
I074609		17	0.9	5.3	15	20.7	
I074610		14	0.5	7.3	9	17.8	
I074611		23	2.2	6.2	10	27.5	
I074612		4	1100	2.1	<2	4.4	
I074613		3	670	1.7	5	5.7	
I074614		1	6.4	2.1	3	2.3	
I074615		2	2.1	1.0	16	<0.5	
I074616		4	12.3	3.0	2	3.3	
I074617		8	2.9	6.4	7	2.0	
I074618		8	2000	5.5	338	2.7	
I074619		6	13.9	6.6	8	1.6	
I074620		13	10.4	9.1	15	4.8	
I074621		15	1.2	10.6	16	7.5	
I074622		12	1.1	11.4	20	7.3	1.055
I074623		12	2.3	11.2	21	6.9	
I074624		6	1200	7.2	11	7.7	
I074625		6	1860	8.0	13	7.8	
I074626		4	412	6.3	31	4.5	
I074627		6	420	10.0	941	6.7	
I074628		2	3.7	0.8	17	<0.5	
I074629		7	29.9	6.4	95	8.4	
I074630		5	218	5.6	12	8.4	
I074631		6	154.5	4.6	14	2.1	
I074632		3	183.0	5.0	21	1.4	
I074633		5	53.3	9.6	15	1.3	
I074634		7	16.9	10.2	14	2.3	
I074635		6	122.5	7.0	8	3.1	
I074636		7	1.5	5.4	8	10.1	
I074637		6	0.7	5.3	8	3.6	
I074638		12	1.8	6.5	12	14.6	
I074639		6	3.0	4.3	9	3.0	
I074640		8	2000	5.5	336	2.8	
I074641		14	2.9	5.4	9	23.9	
I074642		23	20.1	5.6	19	2.7	
I074643		13	1.2	4.0	17	7.0	
I074644		8	0.4	4.3	43	4.4	

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Project: RAU

Finalized Date: 28-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10076147

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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To: **ATAC RESOURCES LTD.**
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Finalized Date: 25-JUN-2010
Account: RCM

CERTIFICATE VA10076148

Project: RAU

P.O. No.: BATCH 5

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 14-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LOG-23	Pulp Login - Rcvd with Barcode
CRU-31	Fine crushing - 70% <2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Project: RAU

Finalized Date: 25-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10076148

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA26 Au ppm 0.01	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
I074645		3.44	0.07	0.14	0.33	141	70	0.15	23.6	17.50	0.13	4.90	1.2	4	0.52	2.2
I074646		3.08	0.03	0.06	0.36	85	80	0.16	4.32	18.75	0.05	5.84	1.5	2	0.77	1.2
I074647		2.10	0.08	0.06	0.12	232	50	0.07	58.7	9.39	0.09	3.98	1.1	6	0.40	2.1
I074648		4.68	0.07	0.08	0.10	202	40	0.08	59.8	18.10	0.07	5.02	1.4	<1	0.17	1.6
I074649		5.60	0.31	0.05	0.16	274	80	0.09	42.8	16.80	0.04	4.60	0.9	1	0.30	2.3
I074650		5.22	0.05	0.04	0.39	125	160	0.16	7.23	18.70	0.03	6.36	1.4	<1	0.54	2.1
I074651		4.68	0.02	0.03	0.40	42	130	0.20	1.74	19.35	0.05	6.99	1.4	3	0.59	1.7
I074652		5.26	0.02	0.03	0.28	44	130	0.16	5.83	19.40	0.02	6.20	1.1	2	0.43	1.4
I074653		5.38	0.03	0.05	0.56	111	280	0.22	4.52	17.50	0.05	6.66	1.6	4	0.78	2.3
I074654		3.80	0.03	0.05	0.30	53	130	0.13	6.99	18.50	0.05	6.82	1.0	1	0.50	1.3
I074655		3.26	0.04	0.07	0.66	117	280	0.25	8.80	17.75	0.14	7.91	1.7	7	0.84	2.8
I074656		5.08	0.05	1.08	0.84	736	180	0.45	17.05	16.25	8.35	11.25	2.7	4	1.76	9.5
I074657		4.78	0.04	1.44	0.15	167	150	0.14	16.95	17.50	8.73	6.35	1.0	1	0.32	11.8
I074658		0.28	2.63	0.89	0.16	1650	20	0.47	101.5	14.45	1.71	12.45	1.9	11	1.06	36.1
I074659		3.92	0.02	0.12	0.27	77	150	0.13	4.79	19.15	0.52	5.91	1.4	3	0.33	2.4
I074660		6.28	0.03	0.12	0.41	105	260	0.17	6.27	19.30	0.36	8.65	1.5	3	0.43	3.4
I074661		5.16	0.01	0.17	0.38	14	290	0.28	1.63	19.75	0.26	7.77	1.6	4	0.38	2.1
I074662		4.34	<0.01	<0.01	0.06	<5	20	<0.05	0.03	19.85	0.05	1.24	1.1	<1	0.12	2.0
I074663		5.34	0.02	0.62	0.61	23	330	0.36	2.59	19.55	0.95	9.25	2.0	5	0.61	2.8
I074664		5.30	0.04	1.51	0.59	85	270	0.29	5.39	18.40	6.68	8.88	2.1	5	0.53	9.9
I074665		5.54	0.03	1.42	0.32	164	100	0.18	3.96	18.50	7.89	8.45	1.9	3	0.38	12.4
I074666		5.74	0.06	1.88	0.61	165	180	0.25	15.85	17.35	5.54	7.78	2.0	5	0.62	6.0
I074667		5.32	0.04	1.47	0.18	91	160	0.12	4.02	17.05	12.65	6.52	1.7	2	0.24	7.8
I074668		5.62	0.06	1.18	0.16	57	120	0.16	5.01	18.65	4.20	5.03	2.5	1	0.24	5.0
I074669		5.30	0.05	0.69	0.46	52	110	0.22	4.49	19.05	4.23	6.51	4.9	3	0.63	5.7
I074670		5.74	0.05	0.18	1.24	119	190	0.35	10.50	16.85	0.03	9.17	10.7	10	2.48	22.2
I074671		2.60	0.04	0.17	0.98	110	190	0.26	8.95	16.65	0.04	9.64	9.4	8	1.87	20.9
I074672		5.12	0.03	0.46	8.50	111.5	1580	2.57	5.88	3.81	0.07	55.0	30.2	54	17.10	35.2
I074673		4.82	0.02	0.42	7.68	81.7	910	2.88	3.29	4.81	0.10	125.0	43.6	44	16.30	91.5
I074674		4.04	<0.01	0.01	0.07	<5	30	0.06	0.03	20.6	0.06	1.35	1.4	1	0.24	2.3
I074675		5.54	<0.01	0.22	4.30	7	570	0.57	0.87	14.00	0.05	68.3	29.2	27	21.3	37.4
I074676		4.56	<0.01	0.25	8.20	3.4	1790	1.57	0.51	9.10	0.04	126.5	49.9	52	12.15	35.3
I074677		2.28	<0.01	0.23	10.25	3.1	2220	2.47	0.28	1.57	<0.02	172.5	40.7	74	16.45	48.1
I074678		4.70	<0.01	0.16	4.00	6	630	0.63	0.19	19.55	0.07	62.0	41.4	26	9.99	154.0
I074679		0.28	0.31	1.59	0.14	6060	50	0.07	74.5	15.40	2.22	14.50	1.7	5	0.35	17.6
I074680		3.88	0.01	0.36	9.45	67.3	1640	2.30	0.29	4.97	1.28	169.0	50.7	70	15.40	73.0

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VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 25-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10076148

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I074645		3.34	1.81	0.08	0.2	0.028	0.14	3.2	3.4	10.65	918	0.11	0.02	2.4	3.0	100
I074646		2.35	1.86	0.06	0.1	0.013	0.16	4.0	3.4	11.25	783	0.07	0.01	1.7	4.4	120
I074647		5.43	0.86	0.10	0.1	0.017	0.04	2.4	2.1	5.24	525	0.12	0.02	0.6	6.4	40
I074648		5.24	0.72	0.09	0.1	0.016	0.03	3.5	2.1	11.20	863	0.09	0.01	0.6	5.8	90
I074649		6.46	0.94	0.09	0.1	0.028	0.07	2.9	2.5	9.90	987	<0.05	0.01	0.7	1.8	120
I074650		3.32	1.86	<0.05	0.2	0.025	0.17	4.4	4.3	10.95	957	0.06	0.01	1.8	4.2	150
I074651		1.57	1.57	<0.05	0.2	0.017	0.21	5.1	5.5	11.35	698	0.14	0.01	2.1	3.1	130
I074652		1.85	1.40	<0.05	0.2	0.021	0.12	4.2	4.1	11.50	743	0.31	0.01	1.5	2.2	100
I074653		2.97	2.90	0.06	0.3	0.028	0.24	3.9	6.6	10.40	952	0.12	0.01	3.3	5.0	160
I074654		1.80	1.49	<0.05	0.1	0.021	0.14	4.6	3.4	11.45	692	0.05	0.01	1.8	2.5	100
I074655		3.46	2.77	0.05	0.4	0.037	0.29	4.8	4.7	10.50	997	0.11	0.01	3.6	5.5	120
I074656		6.67	3.98	0.11	0.4	0.132	0.36	6.7	3.0	10.10	1790	0.30	0.01	3.8	8.2	240
I074657		4.28	1.08	0.06	0.1	0.237	0.06	3.7	1.8	10.60	2380	0.07	0.01	0.7	3.4	80
I074658		10.40	1.41	0.29	0.1	0.061	0.07	6.1	3.3	8.71	1770	5.25	0.01	1.0	11.7	80
I074659		1.78	1.59	<0.05	0.1	0.034	0.10	3.6	2.7	11.70	1080	0.11	0.01	1.4	3.3	220
I074660		3.05	2.12	<0.05	0.2	0.039	0.17	5.6	3.4	11.10	1010	0.11	0.01	2.3	4.2	200
I074661		0.76	1.88	<0.05	0.2	0.075	0.17	5.5	3.1	11.85	878	0.10	0.01	2.6	3.5	260
I074662		0.43	0.33	0.19	<0.1	0.005	0.02	0.6	1.1	12.60	190	<0.05	0.01	0.3	1.8	190
I074663		1.21	2.89	<0.05	0.3	0.059	0.26	6.0	3.9	11.45	1150	0.16	0.01	4.0	4.6	260
I074664		3.38	3.10	<0.05	0.4	0.117	0.24	5.1	3.6	11.05	2030	0.22	0.01	3.4	4.7	270
I074665		4.90	2.07	0.06	0.2	0.276	0.11	5.0	2.3	10.85	4000	0.23	0.01	1.3	5.5	230
I074666		5.32	3.07	0.08	0.3	0.101	0.26	4.5	2.8	10.15	2120	0.27	0.01	3.0	5.2	260
I074667		2.92	1.20	<0.05	0.1	0.046	0.08	4.2	2.1	10.45	1310	0.12	0.01	1.0	3.8	140
I074668		3.04	0.97	<0.05	0.1	0.045	0.07	3.6	2.0	11.45	920	0.10	0.01	0.9	5.3	150
I074669		2.98	2.34	<0.05	0.3	0.036	0.17	4.1	4.4	11.35	1020	0.17	0.01	2.5	10.0	230
I074670		8.19	5.58	0.17	0.7	0.023	0.53	5.6	7.6	9.33	1020	0.30	0.01	7.8	22.8	540
I074671		7.26	4.51	0.16	0.6	0.026	0.43	5.8	6.6	9.20	1050	0.31	0.01	5.8	20.3	490
I074672		10.90	41.4	0.29	2.4	0.045	3.77	24.1	34.9	3.49	199	0.40	0.14	34.3	93.4	2300
I074673		11.30	31.9	0.35	1.7	0.033	3.38	62.1	36.4	4.64	266	0.35	0.09	28.5	76.5	3900
I074674		0.44	0.35	0.13	<0.1	<0.005	0.03	0.7	1.6	12.70	195	<0.05	<0.01	0.3	1.6	190
I074675		5.73	12.95	0.17	0.2	0.038	2.75	35.4	24.7	6.13	1050	0.18	0.05	14.2	52.2	2680
I074676		3.44	20.4	0.20	0.9	0.070	3.91	63.5	25.6	2.01	421	0.29	0.15	36.6	99.3	1880
I074677		2.65	29.9	0.25	0.6	0.109	5.40	82.7	37.1	1.68	125	0.23	0.11	45.4	135.0	1010
I074678		3.81	9.60	0.13	0.2	0.032	1.67	30.5	22.4	1.65	759	0.13	0.04	13.5	76.8	3140
I074679		10.45	1.28	0.24	0.1	0.136	0.05	6.3	1.5	8.54	4440	2.25	0.01	1.3	7.7	140
I074680		3.17	25.9	0.24	3.9	0.093	4.59	82.9	26.9	1.48	379	0.47	0.04	44.8	125.0	2110

***** See Appendix Page for comments regarding this certificate *****

ALS Chemex
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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 25-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10076148

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I074645		4.1	11.6	<0.002	2.84	1.61	0.9	3	0.7	56.9	0.12	<0.05	0.8	0.028	0.10	0.3
I074646		1.5	12.4	<0.002	2.42	0.69	0.9	2	0.4	54.0	0.08	<0.05	0.4	0.032	0.08	0.2
I074647		3.5	3.2	<0.002	6.07	1.93	0.7	5	0.5	30.8	<0.05	0.06	<0.2	0.009	0.03	0.2
I074648		3.6	1.6	<0.002	6.11	1.86	0.6	4	0.2	50.7	<0.05	0.05	<0.2	0.006	0.03	0.1
I074649		3.0	3.5	<0.002	7.64	1.91	0.6	5	0.2	62.7	<0.05	<0.05	<0.2	0.006	0.04	0.1
I074650		2.2	7.9	<0.002	3.40	0.80	1.0	3	0.4	66.5	0.09	<0.05	0.6	0.029	0.07	0.2
I074651		1.9	8.2	<0.002	1.38	0.39	1.1	2	0.3	62.6	0.11	<0.05	0.5	0.036	0.07	0.2
I074652		1.8	5.8	<0.002	1.80	0.57	0.7	3	0.2	65.0	0.07	<0.05	0.4	0.016	0.06	0.2
I074653		2.7	11.5	<0.002	2.93	0.81	1.0	3	0.5	62.5	0.17	<0.05	0.7	0.033	0.13	0.4
I074654		2.6	7.6	<0.002	1.76	0.83	0.7	2	0.3	54.1	0.08	<0.05	0.4	0.019	0.09	0.2
I074655		5.8	16.3	<0.002	3.26	1.31	1.1	3	0.5	67.6	0.18	<0.05	0.9	0.041	0.18	0.4
I074656		149.5	43.4	0.002	2.38	2.63	1.4	4	7.4	61.7	0.19	<0.05	1.2	0.044	0.37	1.0
I074657		167.0	6.3	<0.002	3.56	1.41	0.8	3	9.7	76.2	<0.05	<0.05	0.2	0.008	0.08	0.2
I074658		113.5	15.0	0.037	>10.0	6.31	2.8	7	4.8	85.1	<0.05	0.10	0.6	0.009	0.50	0.2
I074659		24.9	6.4	<0.002	1.47	0.78	0.8	2	0.6	72.3	0.06	<0.05	0.3	0.020	0.09	0.4
I074660		20.9	10.6	<0.002	3.08	0.86	1.0	2	1.0	79.4	0.11	<0.05	0.5	0.028	0.11	0.2
I074661		28.5	13.2	<0.002	0.40	0.45	1.0	2	2.4	61.8	0.13	<0.05	0.6	0.033	0.08	0.2
I074662		1.4	1.1	<0.002	0.01	<0.05	0.3	1	<0.2	44.5	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
I074663		129.0	22.2	<0.002	0.66	0.72	1.3	2	2.6	73.8	0.19	<0.05	0.9	0.042	0.16	0.3
I074664		291	22.7	<0.002	2.89	1.71	1.2	3	9.8	77.5	0.14	<0.05	0.7	0.033	0.23	0.4
I074665		389	10.5	0.003	2.74	1.43	0.9	3	13.6	76.6	0.05	<0.05	0.3	0.017	0.15	0.5
I074666		274	23.4	<0.002	5.23	2.05	1.3	4	5.1	73.4	0.15	<0.05	0.6	0.035	0.29	0.6
I074667		272	6.9	<0.002	2.79	2.37	0.8	3	1.9	62.7	<0.05	<0.05	0.2	0.013	0.11	0.2
I074668		206	6.1	<0.002	3.32	1.77	0.6	3	1.2	51.4	<0.05	<0.05	0.2	0.011	0.11	0.2
I074669		124.0	12.5	<0.002	2.97	2.42	1.2	3	1.1	61.1	0.11	<0.05	0.5	0.027	0.18	0.4
I074670		2.0	23.0	<0.002	9.24	2.34	1.7	5	0.4	67.4	0.49	0.07	1.5	0.079	0.36	0.9
I074671		1.8	18.0	<0.002	8.19	2.09	1.5	5	0.3	69.3	0.35	0.07	1.0	0.059	0.29	0.8
I074672		8.2	154.0	<0.002	>10.0	1.91	13.7	4	5.0	36.0	2.23	0.11	4.5	1.145	1.32	2.1
I074673		6.6	166.0	<0.002	>10.0	1.60	12.8	3	4.9	30.0	1.84	0.14	5.0	0.966	1.35	1.2
I074674		1.2	2.2	<0.002	0.03	<0.05	0.4	2	<0.2	43.9	<0.05	<0.05	<0.2	<0.005	<0.02	0.4
I074675		2.8	126.0	<0.002	2.71	0.60	8.4	2	3.4	64.3	0.89	<0.05	2.8	0.543	1.13	0.3
I074676		2.7	106.5	<0.002	1.48	0.40	15.6	2	3.3	92.0	2.40	<0.05	5.2	1.215	0.88	0.5
I074677		2.9	137.0	0.002	0.81	0.44	23.4	3	5.3	71.0	2.94	<0.05	7.4	1.410	1.33	0.4
I074678		1.7	54.1	0.002	1.10	0.37	7.8	2	2.1	86.6	0.86	<0.05	2.4	0.497	0.70	0.3
I074679		105.0	4.5	0.003	8.76	3.46	0.5	2	3.7	108.0	<0.05	0.10	0.7	0.008	0.07	0.4
I074680		28.1	146.0	0.004	0.70	3.06	20.1	3	4.0	33.2	2.92	<0.05	7.0	1.395	1.66	3.5

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Project: RAU

Finalized Date: 25-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10076148

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
I074645		9	32.6	5.0	39	9.8
I074646		6	1.0	3.8	12	7.6
I074647		4	0.9	3.2	19	4.1
I074648		4	0.7	4.5	10	4.3
I074649		7	3.5	4.5	9	3.2
I074650		9	1.7	4.7	8	7.2
I074651		6	0.9	5.1	16	8.2
I074652		7	1.3	5.0	7	6.8
I074653		11	3.0	5.3	12	12.4
I074654		8	0.8	4.5	13	6.9
I074655		13	26.0	5.5	38	16.7
I074656		10	4.1	7.6	1420	15.9
I074657		7	63.9	5.0	1760	4.0
I074658		8	2030	6.7	370	3.6
I074659		7	1.7	5.0	135	6.8
I074660		11	1.7	6.1	114	9.3
I074661		7	1.2	6.5	65	9.5
I074662		1	0.1	0.8	14	<0.5
I074663		11	1.6	7.7	241	14.2
I074664		14	1.6	6.5	1580	15.2
I074665		13	169.0	6.8	1890	7.3
I074666		16	2.2	6.2	1440	13.4
I074667		14	1.2	5.0	3130	4.7
I074668		13	1.3	4.2	1100	5.4
I074669		18	1.2	6.2	987	13.8
I074670		41	1.7	6.8	15	27.1
I074671		38	1.4	6.5	15	23.0
I074672		190	9.3	9.8	23	92.3
I074673		165	6.4	15.2	39	61.1
I074674		4	0.1	0.8	13	0.9
I074675		100	1.2	13.4	47	7.9
I074676		193	0.6	16.1	39	29.0
I074677		264	0.4	15.4	32	25.2
I074678		90	1.0	15.6	39	6.8
I074679		7	134.5	5.9	426	3.4
I074680		238	4.1	21.1	274	159.0

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Project: RAU

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Account: RCM

CERTIFICATE OF ANALYSIS VA10076148

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 30-JUN-2010
Account: RCM

CERTIFICATE VA10078942

Project: RAU

P.O. No.: NOW

This report is for 243 Soil samples submitted to our lab in Vancouver, BC, Canada on 17-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-31	Pulverize split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
SCR-43	Screen to -500um, discard plus
SCR-01	Screen - Save plus fraction

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 30-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078942

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC75261		0.20	0.003	0.4	1.61	18	<10	420	<0.5	<2	0.85	4.3	16	32	55	3.13
CC75264		0.26	0.009	0.9	1.65	49	<10	500	0.5	<2	0.15	3.0	8	45	128	3.03
CC75265		0.20	<0.001	0.3	0.72	17	<10	170	<0.5	<2	0.15	3.2	2	16	68	1.61
CC75266		0.22	<0.001	0.6	1.74	34	<10	320	1.0	<2	0.26	9.0	10	34	254	3.15
CC75267		0.26	<0.001	0.9	1.25	35	<10	290	0.5	<2	0.11	9.6	7	31	33	2.84
CC75268		0.24	<0.001	1.6	1.48	53	<10	230	<0.5	<2	0.10	6.3	4	26	22	2.51
CC75269		0.12	0.001	0.5	1.29	30	<10	230	<0.5	<2	0.11	1.8	4	30	36	2.03
CC75270		0.16	0.001	1.0	1.22	67	<10	360	0.5	<2	0.22	5.6	5	26	57	2.69
CC75271		0.28	0.003	0.5	1.32	66	<10	260	0.5	<2	0.08	2.6	6	25	60	2.35
CC75272		0.20	0.022	3.1	0.58	291	<10	160	0.6	<2	0.03	4.9	6	21	60	3.57
CC75273		0.28	0.001	4.9	2.02	100	<10	250	0.5	<2	0.37	4.2	8	37	58	3.25
CC75274		0.32	<0.001	0.6	2.28	47	<10	400	<0.5	<2	0.14	3.2	14	49	25	3.70
CC75275		0.48	0.011	1.0	1.62	186	<10	360	0.6	<2	0.10	4.8	14	61	92	3.72
CC75276		0.24	<0.001	0.4	2.71	28	<10	550	0.5	<2	0.27	0.9	22	107	51	5.07
CC75277		0.20	<0.001	0.2	2.54	14	<10	400	<0.5	<2	0.36	0.5	13	69	44	4.41
CC75278		0.12	0.005	0.9	1.15	44	<10	450	0.5	<2	1.70	8.5	8	37	56	2.03
CC75281		0.08	NSS	1.0	1.28	12	<10	540	<0.5	<2	1.39	5.7	6	37	35	2.01
CC75282		0.10	0.006	1.3	1.49	39	<10	560	0.6	<2	1.85	20.7	8	41	99	2.21
CC75283		0.12	0.003	1.1	1.20	49	<10	530	0.5	<2	1.45	4.9	7	38	45	1.95
CC75284		0.10	NSS	2.6	1.36	36	<10	710	<0.5	<2	3.24	9.0	11	57	119	3.14
CC75285		0.20	<0.001	2.2	1.91	12	<10	380	0.6	<2	0.19	4.8	6	71	54	2.21
CC75286		0.22	0.001	1.0	2.20	42	<10	730	0.8	<2	0.11	1.4	7	57	71	2.80
CC75287		0.18	<0.001	2.6	2.54	26	<10	270	0.6	<2	0.18	2.2	7	44	29	2.97
CC75288		0.14	<0.001	1.7	1.70	33	<10	500	<0.5	<2	0.29	7.2	8	38	22	2.35
CC75289		0.20	0.002	3.7	0.77	108	<10	150	0.9	<2	1.25	250	19	27	981	3.47
CC75290		0.08	0.002	1.2	1.57	45	<10	640	0.5	<2	1.52	13.8	9	45	52	2.51
CC75291		0.02	0.010	1.8	1.21	20	<10	680	0.5	<2	0.79	49.6	7	76	179	1.81
CC75292		0.14	<0.001	0.5	0.92	47	<10	150	<0.5	<2	0.13	3.1	5	21	36	2.53
CC75293		0.14	0.003	0.9	1.29	46	<10	320	0.5	<2	0.18	7.8	8	52	56	2.88
CC75294		0.14	0.002	0.6	0.97	62	<10	230	0.6	<2	0.10	6.6	6	22	98	2.57
CC75295		0.18	0.006	0.8	0.94	71	<10	180	0.7	<2	0.16	6.5	6	36	158	2.88
CC75296		0.14	0.001	1.0	1.73	61	<10	310	0.5	<2	0.13	6.8	6	29	23	3.10
CC75297		0.16	0.066	0.7	1.76	49	<10	270	0.5	<2	0.11	3.4	7	42	34	2.90
CC75298		0.18	<0.001	0.9	0.92	30	<10	230	0.5	<2	0.14	3.5	5	21	90	2.47
CC75299		0.14	0.002	0.5	1.80	37	<10	490	0.8	<2	0.11	5.4	8	46	115	2.91
CC75300		0.22	0.003	1.0	1.44	70	<10	200	0.9	<2	0.08	5.3	9	30	82	3.51
CC75301		0.18	<0.001	0.7	1.28	67	<10	160	0.5	<2	0.09	5.4	6	41	54	2.91
CC75302		0.16	0.001	0.4	1.75	40	<10	210	0.5	<2	0.11	2.9	7	34	28	2.89
CC75303		0.12	<0.001	1.2	0.94	17	<10	130	<0.5	<2	0.07	1.1	1	29	10	1.40
CC75304		0.16	0.001	1.6	1.59	79	<10	280	<0.5	<2	0.06	2.5	3	42	27	3.03

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
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Project: RAU

Finalized Date: 30-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078942

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC75261		<10	1	0.17	20	1.14	712	9	0.02	59	1200	13	0.07	2	2	46
CC75264		10	<1	0.17	20	0.59	200	38	0.02	85	770	49	0.02	9	2	21
CC75265		<10	1	0.13	20	0.07	110	34	0.02	60	540	10	0.02	3	1	15
CC75266		10	1	0.17	20	0.39	367	39	0.01	158	820	26	0.02	3	3	23
CC75267		<10	<1	0.05	10	0.34	181	23	0.01	78	1080	29	0.01	4	2	20
CC75268		10	1	0.13	20	0.20	221	30	0.02	24	650	23	0.03	5	2	16
CC75269		10	<1	0.16	20	0.27	152	17	0.03	39	650	18	0.02	2	1	16
CC75270		<10	1	0.15	10	0.23	306	32	0.02	69	980	83	0.02	6	2	40
CC75271		<10	<1	0.10	20	0.25	161	34	0.01	81	510	83	0.01	8	2	38
CC75272		<10	1	0.17	20	0.03	179	161	0.01	238	900	687	0.01	32	1	38
CC75273		10	1	0.16	10	0.28	793	19	0.02	41	1370	45	0.05	10	2	85
CC75274		10	1	0.09	10	0.53	706	7	0.02	39	470	34	0.01	3	3	31
CC75275		<10	1	0.13	20	0.47	274	35	0.01	125	920	105	0.04	36	5	73
CC75276		10	2	0.08	10	0.96	696	4	0.03	90	510	24	0.01	3	6	27
CC75277		10	<1	0.11	10	1.62	225	4	0.02	60	820	12	0.04	<2	3	24
CC75278		<10	1	0.20	10	0.52	475	5	0.03	50	1010	36	0.08	4	2	69
CC75281		<10	1	0.25	10	0.65	214	6	0.03	48	960	11	0.11	2	2	61
CC75282		<10	1	0.19	10	0.64	527	4	0.02	86	1200	32	0.11	4	3	72
CC75283		<10	1	0.18	10	0.44	491	15	0.02	57	790	33	0.06	6	2	64
CC75284		<10	1	0.08	10	1.15	706	12	0.02	88	890	11	0.19	10	3	128
CC75285		10	<1	0.16	20	0.33	232	23	0.02	107	410	13	0.01	<2	3	15
CC75286		10	1	0.20	20	0.42	176	14	0.02	64	810	31	0.01	7	4	43
CC75287		10	1	0.10	20	0.44	258	4	0.02	22	1280	16	0.01	<2	4	19
CC75288		10	1	0.20	20	0.36	467	16	0.04	31	1160	119	0.01	7	3	32
CC75289		<10	4	0.23	20	0.61	565	315	0.01	557	1290	670	0.03	28	2	54
CC75290		10	1	0.13	10	0.67	539	12	0.02	52	680	44	0.05	8	3	40
CC75291		<10	1	0.17	10	0.30	375	11	0.02	50	1660	26	0.11	2	1	41
CC75292		<10	1	0.13	20	0.14	131	45	0.01	89	860	18	0.01	7	2	12
CC75293		<10	1	0.13	20	0.30	249	35	0.01	91	920	30	0.02	6	2	18
CC75294		<10	<1	0.13	20	0.18	185	51	<0.01	94	880	25	0.01	8	2	48
CC75295		<10	<1	0.14	20	0.18	262	46	<0.01	75	1550	47	0.03	11	2	122
CC75296		10	<1	0.13	20	0.29	383	21	0.02	59	740	35	0.01	4	3	16
CC75297		10	<1	0.09	20	0.35	291	17	0.01	51	870	51	<0.01	4	3	21
CC75298		<10	<1	0.14	20	0.13	144	51	0.01	111	660	24	0.02	4	2	30
CC75299		10	<1	0.17	20	0.39	312	29	0.01	99	590	35	0.01	5	3	18
CC75300		<10	<1	0.17	20	0.25	234	73	0.01	185	1710	27	0.01	8	3	11
CC75301		<10	<1	0.10	20	0.20	182	37	0.01	92	1180	29	0.01	6	2	14
CC75302		10	1	0.11	20	0.38	221	16	0.01	50	900	28	0.01	3	3	18
CC75303		10	1	0.05	20	0.09	95	9	0.01	10	440	11	<0.01	<2	1	11
CC75304		10	1	0.16	10	0.71	131	34	0.01	65	550	67	0.02	10	3	14

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Project: RAU

CERTIFICATE OF ANALYSIS VA10078942

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC75261		<20	0.03	<10	<10	99	<10	360
CC75264		<20	0.04	<10	<10	269	<10	550
CC75265		<20	0.02	<10	<10	109	<10	204
CC75266		<20	0.03	<10	<10	146	<10	819
CC75267		<20	0.03	<10	<10	81	<10	758
CC75268		<20	0.04	<10	<10	137	<10	311
CC75269		<20	0.05	<10	<10	107	<10	231
CC75270		<20	0.03	<10	<10	106	<10	605
CC75271		<20	0.02	<10	<10	94	<10	523
CC75272		<20	0.01	<10	10	145	<10	1150
CC75273		<20	0.04	<10	<10	228	<10	407
CC75274		<20	0.07	<10	<10	136	<10	222
CC75275		<20	0.03	<10	<10	291	<10	691
CC75276		<20	0.21	<10	<10	130	<10	153
CC75277		<20	0.09	<10	<10	113	<10	102
CC75278		<20	0.02	<10	10	197	<10	357
CC75281		<20	0.04	<10	<10	136	<10	241
CC75282		<20	0.03	<10	10	177	<10	516
CC75283		<20	0.02	<10	10	240	<10	373
CC75284		<20	0.01	<10	40	70	<10	178
CC75285		<20	0.04	<10	<10	489	<10	865
CC75286		<20	0.03	<10	<10	376	<10	246
CC75287		<20	0.06	<10	<10	140	<10	341
CC75288		<20	0.05	<10	<10	234	<10	440
CC75289		<20	0.01	<10	<10	308	<10	9420
CC75290		<20	0.03	<10	<10	255	<10	520
CC75291		<20	0.01	<10	10	116	<10	338
CC75292		<20	0.03	<10	<10	93	<10	392
CC75293		<20	0.03	<10	<10	102	<10	495
CC75294		<20	0.02	<10	<10	88	<10	562
CC75295		<20	0.02	<10	<10	87	<10	383
CC75296		<20	0.04	<10	<10	80	<10	788
CC75297		<20	0.04	<10	<10	91	<10	564
CC75298		<20	0.02	<10	<10	119	<10	548
CC75299		<20	0.03	<10	<10	124	<10	465
CC75300		<20	0.03	<10	<10	110	<10	958
CC75301		<20	0.03	<10	<10	88	<10	665
CC75302		<20	0.05	<10	<10	98	<10	452
CC75303		<20	0.03	<10	<10	60	<10	61
CC75304		<20	0.09	<10	<10	104	<10	328

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1016-510 W HASTINGS ST
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Project: RAU

Finalized Date: 30-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078942

Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Sample Description Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC75305	0.12	0.008	0.6	0.66	213	<10	230	0.6	<2	0.06	9.5	8	43	74	3.33
CC75306	0.20	0.003	1.5	1.31	141	<10	210	<0.5	<2	0.06	2.6	4	30	32	2.62
CC75307	0.24	<0.001	2.8	1.12	84	<10	350	<0.5	<2	0.10	2.5	4	59	54	2.36
CC75308	0.20	0.001	4.4	0.56	157	<10	450	<0.5	<2	0.11	4.9	2	26	82	2.55
CC75309	0.16	0.002	0.9	1.04	87	<10	420	<0.5	<2	0.52	6.4	63	30	128	7.51
CC75310	0.26	0.002	0.4	2.38	76	<10	630	0.7	<2	0.16	1.0	22	68	72	4.83
CC75311	0.32	<0.001	0.3	3.73	28	<10	530	0.7	<2	0.39	<0.5	32	149	77	5.97
CC75312	0.32	<0.001	0.2	2.19	15	<10	330	<0.5	<2	0.13	<0.5	9	53	17	3.36
CC75313	0.44	<0.001	0.2	2.77	16	<10	470	<0.5	<2	0.30	<0.5	21	100	63	4.52
CC75314	0.30	0.001	0.8	2.26	16	<10	450	0.5	<2	0.11	1.2	9	48	25	3.13
CC75315	0.06	NSS	0.7	1.04	26	<10	630	0.5	<2	2.89	10.8	7	32	80	2.13
CC75316	0.10	0.005	1.1	2.09	47	<10	600	0.8	<2	1.05	7.8	9	53	77	3.03
CC75317	0.08	0.018	0.2	0.57	19	<10	230	<0.5	<2	2.38	6.3	5	21	54	1.41
CC75318	0.04	<0.001	1.3	1.30	11	<10	630	0.6	<2	2.43	32.4	4	22	145	1.52
CC75319	0.18	0.002	1.0	1.71	27	<10	540	0.5	<2	0.28	21.9	10	42	62	2.51
CC75320	0.10	0.002	1.6	2.64	61	<10	560	1.0	<2	0.23	6.2	11	64	75	3.87
CC75321	0.12	<0.001	0.4	2.08	55	<10	660	0.6	<2	0.18	3.6	12	72	69	3.91
CC75322	0.18	0.001	2.6	1.19	23	<10	390	0.7	<2	0.06	0.9	1	72	27	1.31
CC75323	0.02	0.006	0.4	1.29	66	<10	380	0.6	<2	1.10	13.8	9	35	61	2.85
CC75324	0.14	<0.001	<0.2	1.33	31	<10	260	<0.5	<2	0.12	2.0	4	27	20	2.15
CC75325	0.20	0.002	0.8	2.16	67	<10	410	0.8	<2	0.16	3.5	11	60	74	4.04
CC75326	0.14	0.001	0.2	2.80	35	<10	480	0.7	<2	0.23	5.9	13	69	37	3.64
CC75327	0.14	<0.001	<0.2	2.13	31	<10	460	0.6	<2	0.29	4.9	12	63	49	3.34
CC75328	0.12	0.002	0.5	2.29	83	<10	500	0.6	<2	0.23	3.7	12	77	66	3.92
CC75329	0.18	<0.001	2.0	2.12	71	<10	350	0.7	<2	0.19	6.4	10	45	100	3.38
CC75330	0.26	0.005	1.2	2.68	28	<10	460	1.2	<2	0.35	1.4	11	45	58	3.93
CC75331	0.22	0.006	2.6	2.63	98	<10	420	1.1	<2	0.16	2.7	12	48	95	3.97
CC75332	0.10	0.003	1.7	1.95	199	<10	390	0.7	<2	0.12	4.1	7	36	80	3.85
CC75333	0.08	0.014	3.3	1.49	343	<10	1110	1.0	<2	0.11	7.9	2	105	152	3.94
CC75334	0.16	0.004	1.7	2.27	169	<10	280	0.6	<2	0.11	2.3	7	41	60	3.20
CC75335	0.18	<0.001	0.5	1.40	111	<10	370	<0.5	<2	0.98	1.5	47	39	168	8.04
CC75336	0.18	<0.001	0.2	2.75	21	<10	590	0.7	<2	0.29	<0.5	15	73	29	3.95
CC75337	0.20	<0.001	<0.2	3.17	12	<10	530	0.6	<2	0.20	<0.5	20	109	47	4.91
CC75338	0.16	<0.001	<0.2	2.45	13	<10	290	<0.5	<2	0.17	<0.5	8	53	18	3.40
CC75339	0.22	<0.001	<0.2	1.66	6	<10	660	0.6	<2	0.07	<0.5	6	37	44	2.91
CC75340	0.12	0.002	1.1	1.57	18	<10	690	0.6	<2	0.12	1.2	10	42	87	3.74
CC75341	0.06	0.002	<0.2	0.77	7	<10	480	<0.5	<2	3.65	2.2	4	31	25	1.37
CC75342	0.14	0.006	<0.2	2.89	9	<10	370	0.5	<2	0.67	<0.5	31	26	88	5.13
CC75343	0.10	0.004	<0.2	2.20	9	<10	180	0.5	<2	0.18	<0.5	10	39	34	3.24
CC75344	0.14	0.011	0.2	2.31	5	<10	240	0.6	<2	0.10	<0.5	7	29	39	3.90

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	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC75305		<10	1	0.10	10	0.05	310	96	<0.01	266	900	220	0.02	23	1	24
CC75306		<10	<1	0.11	20	0.21	192	38	0.01	66	480	190	0.01	7	2	25
CC75307		<10	<1	0.09	20	0.21	127	23	<0.01	49	1480	99	0.03	19	1	111
CC75308		<10	1	0.19	10	0.04	139	46	0.01	35	1240	175	0.19	40	1	238
CC75309		<10	1	0.17	10	0.09	843	6	0.01	393	1070	9	0.03	5	6	43
CC75310		10	1	0.11	10	0.78	623	10	0.02	87	540	42	0.03	11	5	31
CC75311		10	1	0.07	10	1.78	677	4	0.01	141	340	31	0.01	4	7	26
CC75312		10	1	0.07	10	0.54	241	2	0.01	32	220	20	<0.01	<2	3	15
CC75313		10	1	0.06	10	1.68	504	3	0.01	94	560	17	0.01	<2	5	17
CC75314		10	1	0.12	20	0.74	171	14	0.01	61	430	14	0.01	2	3	13
CC75315		<10	1	0.15	10	0.69	336	12	0.03	75	1060	16	0.13	5	1	71
CC75316		<10	1	0.24	20	0.75	421	17	0.04	104	920	33	0.04	7	4	60
CC75317		<10	<1	0.10	10	0.43	234	16	0.03	45	780	19	0.15	6	1	87
CC75318		<10	<1	0.10	10	0.48	519	8	0.03	49	1160	14	0.11	5	2	53
CC75319		<10	<1	0.14	20	0.53	523	15	0.02	62	600	35	0.02	7	3	22
CC75320		10	1	0.41	20	0.59	352	32	0.05	115	1170	28	0.03	10	4	31
CC75321		10	<1	0.31	20	0.86	309	23	0.04	109	1310	41	0.05	10	4	44
CC75322		<10	1	0.08	10	0.04	88	7	<0.01	10	1920	45	0.04	6	2	146
CC75323		<10	<1	0.24	20	0.51	490	18	0.03	64	1070	54	0.04	9	3	38
CC75324		10	<1	0.14	10	0.24	152	16	0.03	26	450	22	0.02	2	2	18
CC75325		<10	<1	0.30	20	0.72	231	26	0.03	85	1000	37	0.02	4	5	24
CC75326		10	1	0.23	20	0.85	288	11	0.05	75	580	38	0.02	2	5	22
CC75327		10	<1	0.22	20	0.79	436	16	0.03	77	670	46	0.03	3	4	24
CC75328		10	<1	0.25	20	0.87	268	23	0.04	107	840	83	0.03	8	5	32
CC75329		10	<1	0.17	20	0.48	302	27	0.03	96	940	63	0.02	9	3	24
CC75330		<10	<1	0.20	30	0.75	637	8	0.02	48	580	63	0.02	5	8	22
CC75331		<10	<1	0.18	20	0.61	252	26	0.02	131	860	690	0.02	12	5	52
CC75332		10	<1	0.26	20	0.26	251	61	0.04	134	770	112	0.02	13	3	34
CC75333		10	<1	0.58	40	0.09	192	75	0.03	50	2030	468	0.13	135	4	403
CC75334		10	<1	0.16	10	0.46	325	26	0.02	26	1010	44	0.07	21	2	47
CC75335		<10	<1	0.22	10	0.34	1015	3	0.03	195	1370	7	0.04	7	9	64
CC75336		10	<1	0.12	10	0.83	453	2	0.03	53	350	27	0.01	3	5	24
CC75337		10	<1	0.12	10	1.24	428	1	0.03	73	290	26	0.01	3	7	15
CC75338		10	<1	0.12	10	0.58	264	2	0.03	31	410	31	0.01	<2	4	18
CC75339		10	<1	0.30	20	0.73	106	1	0.02	30	310	6	0.06	<2	3	9
CC75340		<10	1	0.33	20	0.76	352	8	0.02	78	960	58	0.07	5	2	16
CC75341		<10	<1	0.12	10	0.45	259	8	0.02	36	930	7	0.22	2	<1	208
CC75342		10	<1	0.85	40	1.59	355	2	0.01	52	3360	32	0.04	2	4	49
CC75343		<10	<1	0.13	20	0.47	304	2	0.02	24	690	15	0.02	<2	3	19
CC75344		<10	<1	0.30	20	0.64	210	7	0.02	22	800	28	0.06	2	3	15

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10078942

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC75305		<20	0.01	<10	10	66	<10	1070
CC75306		<20	0.03	<10	<10	163	<10	434
CC75307		<20	0.02	<10	<10	151	<10	347
CC75308		<20	0.01	10	<10	331	<10	199
CC75309		<20	<0.01	<10	<10	24	<10	1345
CC75310		<20	0.04	<10	<10	174	<10	168
CC75311		<20	0.23	<10	<10	156	<10	122
CC75312		<20	0.10	<10	<10	89	<10	52
CC75313		<20	0.14	<10	<10	104	<10	91
CC75314		<20	0.07	<10	<10	214	<10	351
CC75315		<20	0.02	<10	10	126	<10	404
CC75316		<20	0.05	<10	<10	234	<10	569
CC75317		<20	0.01	<10	<10	77	<10	190
CC75318		<20	0.02	<10	<10	96	<10	439
CC75319		<20	0.04	<10	<10	165	<10	637
CC75320		<20	0.06	<10	<10	325	<10	736
CC75321		<20	0.05	<10	<10	322	<10	638
CC75322		<20	0.01	<10	<10	132	<10	75
CC75323		<20	0.02	<10	<10	169	<10	541
CC75324		<20	0.04	<10	<10	104	<10	170
CC75325		<20	0.08	<10	<10	177	<10	375
CC75326		<20	0.11	<10	<10	165	<10	536
CC75327		<20	0.09	<10	<10	150	<10	530
CC75328		<20	0.11	<10	<10	228	<10	546
CC75329		<20	0.06	<10	<10	133	<10	1035
CC75330		<20	0.04	<10	<10	96	<10	165
CC75331		<20	0.05	<10	<10	111	<10	532
CC75332		<20	0.05	<10	<10	225	<10	736
CC75333		<20	0.02	10	<10	1935	<10	323
CC75334		<20	0.03	<10	<10	315	<10	128
CC75335		<20	<0.01	10	<10	42	<10	310
CC75336		<20	0.11	<10	<10	134	<10	93
CC75337		<20	0.20	<10	<10	122	<10	87
CC75338		<20	0.10	<10	<10	108	<10	48
CC75339		<20	0.05	<10	<10	47	<10	78
CC75340		<20	0.03	<10	<10	74	<10	430
CC75341		<20	0.02	<10	20	89	<10	206
CC75342		<20	0.14	<10	<10	58	<10	191
CC75343		<20	0.05	<10	<10	60	<10	76
CC75344		<20	0.06	<10	<10	87	<10	92

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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
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Project: RAU

Finalized Date: 30-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078942

Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
Sample Description LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC75345	0.06	NSS	<0.2	0.72	5	<10	140	<0.5	<2	2.77	1.8	4	20	45	1.04
CC75346	0.06	NSS	<0.2	0.97	<2	<10	250	<0.5	<2	2.69	1.3	11	14	47	1.81
CC75347	0.12	0.003	0.4	1.92	11	<10	490	0.5	<2	0.66	1.1	10	49	52	3.45
CC75348	0.06	NSS	<0.2	0.57	12	<10	270	<0.5	<2	7.8	45.1	6	15	52	1.33
CC75349	0.04	<0.001	<0.2	0.42	3	<10	480	<0.5	<2	5.64	31.9	5	13	97	0.66
CC75350	0.02	0.009	<0.2	0.89	14	<10	590	<0.5	<2	4.35	11.1	6	19	37	1.84
CC75351	0.04	0.002	<0.2	0.72	11	<10	550	<0.5	<2	4.16	7.7	5	29	30	1.47
CC75352	0.04	NSS	<0.2	0.21	3	<10	450	<0.5	<2	5.18	2.2	1	4	17	0.32
CC75353	0.06	NSS	0.2	0.08	<2	<10	310	<0.5	<2	3.63	5.7	1	8	15	0.18
CC75354	0.04	NSS	1.1	0.53	8	<10	610	<0.5	<2	4.08	5.6	4	12	35	1.05
CC75355	0.28	0.004	0.5	1.35	30	<10	470	0.5	<2	2.51	2.0	10	40	50	2.92
CC75356	0.08	NSS	0.4	0.54	15	<10	430	<0.5	<2	4.49	13.9	4	13	93	1.18
CC75357	0.12	0.010	0.9	0.74	35	<10	390	<0.5	<2	3.17	6.1	7	32	38	1.40
CC75358	0.04	NSS	0.5	0.53	11	<10	430	<0.5	<2	4.36	6.8	4	10	26	1.11
CC75359	0.08	<0.001	1.7	1.16	17	<10	770	0.7	<2	2.27	69.1	10	30	86	1.82
CC75360	0.24	0.013	0.9	2.08	33	<10	720	1.1	<2	0.54	18.3	14	40	74	3.56
CC75361	0.10	0.007	3.7	1.17	59	<10	210	<0.5	<2	2.22	19.4	6	28	34	1.47
CC75362	0.06	NSS	0.5	0.54	21	<10	210	<0.5	<2	4.48	13.3	3	11	36	0.95
CC75363	0.10	NSS	0.5	0.38	48	<10	140	<0.5	<2	4.36	51.5	2	19	75	0.73
CC75364	0.12	0.007	0.6	0.40	27	<10	130	<0.5	<2	4.45	32.2	2	13	48	0.70
CC75365	0.20	0.005	0.7	1.10	27	<10	410	0.5	<2	1.91	4.2	8	26	48	2.29
CC75366	0.22	0.008	0.6	1.41	37	<10	620	0.6	<2	1.09	2.6	10	37	69	2.76
CC75367	0.34	0.007	0.7	1.17	44	<10	450	0.5	<2	2.67	8.2	8	28	89	2.48
CC75368	0.32	0.570	1.1	1.34	38	<10	680	0.7	2	0.59	7.2	8	39	96	2.91
CC75369	0.26	0.011	0.8	1.40	45	<10	580	0.5	2	0.49	5.2	10	36	61	2.84
CC75370	0.36	<0.001	0.7	1.54	26	<10	560	0.5	2	0.30	4.6	9	32	30	2.53
CC75371	0.34	<0.001	0.5	1.63	47	<10	560	0.6	<2	0.34	8.1	10	35	51	2.68
CC75372	0.24	0.008	0.8	1.02	56	<10	370	0.5	<2	2.39	7.8	9	27	78	2.57
CC75373	0.30	0.017	1.7	1.45	41	<10	310	0.5	<2	0.39	5.4	9	34	50	2.99
CC75374	0.32	0.003	1.0	2.07	39	<10	620	0.5	<2	0.30	5.8	11	46	52	3.04
CC75375	0.32	0.006	2.4	1.74	68	<10	380	0.6	<2	0.32	4.9	10	39	76	3.18
CC75376	0.28	0.002	0.7	0.68	23	<10	170	0.5	<2	0.12	7.6	7	15	45	2.53
CC75377	0.28	0.004	1.6	0.93	26	<10	160	0.5	<2	0.07	4.0	7	21	53	2.47
CC75378	0.28	0.011	1.9	1.80	34	<10	160	0.6	<2	0.07	2.9	7	30	31	2.89
CC75379	0.36	0.003	1.0	1.70	120	<10	320	0.7	<2	0.33	13.1	11	46	96	3.54
CC75380	0.28	0.011	2.0	1.68	138	<10	260	0.7	<2	0.08	3.4	8	31	84	3.32
CC75381	0.26	0.010	0.9	2.36	41	<10	480	0.8	<2	0.15	4.7	11	45	24	3.52
CC75382	0.24	0.009	2.8	2.30	166	<10	290	0.7	<2	0.09	1.8	6	39	50	3.29
CC75399	0.10	0.002	0.6	2.84	7	<10	430	<0.5	<2	2.46	2.8	29	131	78	5.05
CC75400	0.10	<0.001	0.8	3.13	6	<10	340	<0.5	<2	1.83	8.3	40	152	81	6.04

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To: **ATAC RESOURCES LTD.**
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Project: RAU

CERTIFICATE OF ANALYSIS VA10078942

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC75345		<10	<1	0.10	20	0.30	224	1	0.03	18	1370	4	0.32	<2	1	124
CC75346		<10	<1	0.12	20	0.41	1065	1	0.03	23	1560	7	0.29	<2	1	112
CC75347		10	<1	0.30	30	0.91	229	5	0.02	47	1480	13	0.06	<2	3	39
CC75348		<10	<1	0.08	<10	0.43	597	<1	0.02	495	680	7	0.16	2	1	70
CC75349		<10	<1	0.05	<10	0.53	1005	2	0.02	329	830	3	0.19	<2	<1	87
CC75350		<10	<1	0.12	10	1.22	485	5	0.02	110	930	15	0.11	3	1	60
CC75351		<10	<1	0.09	10	1.09	425	3	0.02	40	940	12	0.12	<2	1	54
CC75352		<10	<1	0.03	<10	0.66	201	4	0.02	15	800	<2	0.17	2	<1	72
CC75353		<10	<1	0.01	<10	0.40	134	1	0.02	35	690	<2	0.13	3	<1	60
CC75354		<10	<1	0.05	<10	0.54	400	1	0.03	33	950	3	0.13	<2	<1	69
CC75355		<10	<1	0.14	10	1.79	435	9	0.03	66	1160	24	0.02	5	3	33
CC75356		<10	<1	0.07	10	0.53	217	4	0.02	61	730	35	0.13	8	1	94
CC75357		<10	<1	0.09	10	0.39	312	6	0.02	39	780	91	0.12	7	1	99
CC75358		<10	<1	0.07	<10	0.55	302	3	0.03	27	580	12	0.14	3	1	79
CC75359		<10	<1	0.08	10	0.56	1015	10	0.03	94	1040	20	0.08	3	2	52
CC75360		10	<1	0.13	20	0.60	784	17	0.02	96	910	45	0.02	4	5	33
CC75361		<10	1	0.09	10	0.22	320	21	0.02	63	480	98	0.06	10	2	70
CC75362		<10	<1	0.07	<10	0.25	226	10	0.03	35	770	11	0.15	7	1	124
CC75363		<10	<1	0.05	<10	0.43	164	9	0.03	65	910	36	0.16	10	1	108
CC75364		<10	<1	0.03	<10	0.15	166	3	0.03	31	980	16	0.19	16	1	121
CC75365		<10	<1	0.16	10	0.69	443	12	0.02	66	1140	24	0.05	7	2	44
CC75366		<10	<1	0.12	10	0.76	342	11	0.02	70	1180	25	0.04	6	3	33
CC75367		<10	<1	0.13	10	1.79	341	20	0.02	95	1090	30	0.02	8	3	37
CC75368		<10	<1	0.09	10	0.59	335	14	0.02	99	980	37	0.02	7	3	33
CC75369		<10	1	0.09	10	0.56	400	12	0.02	72	1020	32	0.02	5	3	28
CC75370		<10	<1	0.07	10	0.43	268	13	0.01	44	650	28	0.02	5	3	22
CC75371		<10	<1	0.08	10	0.47	402	20	0.01	60	700	42	0.02	8	3	24
CC75372		<10	<1	0.14	10	1.33	568	15	0.02	77	1220	44	0.03	11	2	39
CC75373		<10	<1	0.11	10	0.52	274	17	0.02	64	950	28	0.03	5	3	25
CC75374		10	<1	0.10	10	0.84	475	9	0.02	52	500	34	0.02	2	4	22
CC75375		<10	<1	0.12	10	0.69	273	21	0.02	80	960	103	0.03	11	3	27
CC75376		<10	<1	0.11	10	0.10	174	61	0.01	162	730	14	0.02	3	1	11
CC75377		<10	<1	0.08	10	0.18	145	61	0.01	113	630	52	0.02	5	2	14
CC75378		10	<1	0.08	10	0.31	180	21	0.01	52	460	29	0.01	5	2	9
CC75379		<10	<1	0.10	10	0.67	455	30	0.02	132	970	120	0.02	14	4	54
CC75380		10	<1	0.10	10	0.35	183	27	0.01	85	750	100	0.02	11	3	64
CC75381		<10	<1	0.06	10	0.66	529	7	0.02	46	440	40	0.01	3	4	16
CC75382		10	<1	0.08	10	0.36	210	13	0.02	29	590	64	0.02	10	3	39
CC75399		<10	<1	0.08	10	2.14	458	2	0.02	143	1050	13	0.07	<2	8	81
CC75400		<10	1	0.14	10	2.40	833	3	0.02	223	1250	146	0.05	3	10	62

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Project: RAU

CERTIFICATE OF ANALYSIS VA10078942

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC75345		<20	0.01	<10	<10	16	<10	54
CC75346		<20	0.02	<10	<10	27	<10	45
CC75347		<20	0.04	<10	<10	93	<10	212
CC75348		<20	0.01	<10	10	46	10	3680
CC75349		<20	0.01	<10	20	20	10	2460
CC75350		<20	0.02	<10	20	44	<10	823
CC75351		<20	0.01	<10	10	38	<10	330
CC75352		<20	<0.01	<10	20	16	<10	90
CC75353		<20	<0.01	<10	10	26	<10	402
CC75354		<20	0.01	<10	<10	48	<10	267
CC75355		<20	0.04	<10	<10	76	<10	325
CC75356		<20	0.01	<10	<10	57	<10	539
CC75357		<20	0.02	<10	<10	88	<10	359
CC75358		<20	0.01	<10	<10	23	<10	215
CC75359		<20	0.02	<10	<10	54	<10	545
CC75360		<20	0.03	<10	<10	111	10	668
CC75361		<20	0.02	<10	<10	88	<10	868
CC75362		<20	0.01	<10	<10	65	<10	578
CC75363		<20	0.01	<10	<10	55	<10	928
CC75364		<20	0.01	<10	<10	78	<10	206
CC75365		<20	0.02	<10	<10	84	<10	383
CC75366		<20	0.03	<10	<10	112	<10	362
CC75367		<20	0.03	<10	<10	96	<10	580
CC75368		<20	0.03	<10	<10	134	<10	653
CC75369		<20	0.03	<10	<10	130	<10	447
CC75370		<20	0.03	<10	<10	113	<10	444
CC75371		<20	0.02	<10	<10	145	<10	490
CC75372		<20	0.02	<10	<10	94	<10	502
CC75373		<20	0.03	<10	<10	102	<10	425
CC75374		<20	0.04	<10	<10	144	<10	378
CC75375		<20	0.04	<10	<10	136	<10	389
CC75376		<20	0.01	<10	<10	66	<10	628
CC75377		<20	0.02	<10	<10	55	<10	467
CC75378		<20	0.04	<10	<10	77	<10	327
CC75379		<20	0.04	<10	<10	123	<10	1110
CC75380		<20	0.03	<10	<10	96	<10	474
CC75381		<20	0.04	<10	<10	103	<10	307
CC75382		<20	0.03	<10	<10	175	<10	219
CC75399		<20	0.03	<10	<10	90	<10	472
CC75400		<20	0.04	<10	<10	95	<10	1400

***** See Appendix Page for comments regarding this certificate *****

ALS Chemex
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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 30-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078942

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC75401		0.18	0.005	0.3	3.46	4	<10	420	<0.5	<2	1.04	0.8	38	164	67	5.68
CC75402		0.10	0.002	0.9	1.59	9	<10	520	0.5	<2	2.45	3.7	11	36	49	2.88
CC75403		0.26	0.002	1.0	1.29	15	<10	530	<0.5	<2	1.14	2.0	10	28	75	2.75
CC75404		0.16	<0.001	1.0	1.68	21	<10	650	0.6	<2	1.05	8.9	11	36	70	2.70
CC75405		0.12	0.002	0.7	1.95	29	<10	910	0.8	<2	0.32	3.9	11	42	72	2.97
CC75406		0.20	0.004	0.9	2.24	46	<10	1340	1.0	<2	0.84	12.0	12	46	128	2.85
CC75407		0.12	0.010	6.3	2.00	35	<10	870	0.8	<2	0.88	12.4	13	91	112	3.15
CC75408		0.14	<0.001	0.4	1.99	7	<10	490	0.6	<2	0.33	1.4	17	26	34	4.50
CC75409		0.12	0.002	0.5	2.08	7	<10	520	0.6	<2	0.32	<0.5	11	28	51	4.65
CC75410		0.16	0.003	0.9	1.93	9	<10	450	0.6	<2	0.14	1.1	24	31	70	5.37
CC75411		0.24	<0.001	0.5	2.18	13	<10	370	0.5	<2	0.17	1.0	13	31	68	3.49
CC75412		0.20	0.011	0.6	2.43	12	<10	350	0.7	<2	0.27	0.5	13	35	70	3.56
CC75413		0.20	<0.001	0.6	2.54	15	<10	300	0.7	<2	0.19	0.5	10	34	36	3.22
CC75415		0.32	<0.001	0.5	1.25	33	<10	450	0.5	<2	5.43	3.2	8	27	59	2.35
CC75416		0.36	0.003	0.5	1.21	33	<10	470	0.5	<2	8.3	4.2	7	24	53	2.17
CC75417		0.30	0.006	0.5	1.25	38	<10	630	0.5	<2	5.33	2.0	8	26	42	2.56
CC75418		0.32	0.002	0.9	1.38	32	<10	500	0.6	2	4.92	6.8	7	26	74	2.39
CC75419		0.22	0.001	0.4	1.02	41	<10	380	<0.5	2	6.57	4.6	6	24	45	2.05
CC75420		0.24	0.007	1.6	1.94	37	<10	850	0.7	<2	1.36	23.8	9	34	88	2.69
CC75421		0.34	0.010	0.6	1.52	47	<10	440	0.7	<2	4.10	2.7	10	32	74	2.94
CC75422		0.38	0.013	2.0	1.16	60	<10	680	0.6	<2	2.25	18.3	10	36	148	2.59
CC75423		0.36	0.010	1.0	1.25	83	<10	270	0.7	<2	0.17	8.7	11	41	180	3.14
CC75424		0.30	0.004	3.4	1.60	51	<10	260	0.9	<2	0.34	4.9	7	55	102	2.90
CC75425		0.28	<0.001	0.6	0.85	29	<10	180	<0.5	<2	0.07	4.0	4	19	38	2.06
CC75426		0.26	0.002	0.3	1.96	37	<10	510	0.5	<2	0.37	4.1	10	38	37	2.91
CC75427		0.36	0.002	0.9	1.96	42	<10	470	0.7	<2	0.25	8.3	9	39	91	3.23
CC75428		0.18	<0.001	1.7	1.37	62	<10	360	0.5	<2	0.34	5.2	6	30	49	2.77
CC75429		0.18	0.003	1.1	1.78	104	<10	350	0.6	<2	0.21	6.6	5	28	74	2.43
CC75430		0.14	0.003	4.3	1.71	83	<10	580	<0.5	<2	0.30	10.9	6	32	41	2.40
CC75431		0.26	<0.001	1.6	1.22	135	<10	350	<0.5	<2	0.12	6.6	4	28	82	2.13
CC75432		0.24	0.013	0.7	2.75	28	<10	400	<0.5	<2	0.33	4.5	24	110	38	5.03
CC75433		0.32	0.004	0.7	2.45	44	<10	360	0.6	<2	0.24	3.7	17	80	36	4.70
CC75434		0.26	0.003	2.3	1.17	113	<10	510	0.5	<2	0.10	3.5	4	35	26	2.27
CC75435		0.20	<0.001	0.8	1.92	36	20	450	0.9	<2	1.33	6.5	53	91	110	9.51
CC75436		0.32	0.001	0.3	2.31	12	<10	660	0.5	<2	0.50	0.8	25	89	77	5.51
CC75437		0.30	<0.001	0.3	3.45	21	<10	430	0.5	<2	0.26	<0.5	23	151	54	4.91
CC75438		0.22	<0.001	1.0	1.53	22	<10	780	0.5	<2	0.13	2.0	8	32	36	2.26
CC75439		0.16	<0.001	0.5	1.66	33	<10	680	0.7	<2	0.18	6.4	12	51	74	2.79
CC75440		0.20	0.006	8.9	1.39	82	<10	620	0.8	<2	0.64	1.3	5	134	149	3.00
CC75441		0.30	<0.001	2.0	2.23	10	<10	220	0.5	<2	0.10	<0.5	13	31	32	4.40

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Project: RAU

Finalized Date: 30-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078942

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC75401		10	<1	0.09	10	2.88	910	1	0.02	156	500	6	0.05	<2	9	47
CC75402		<10	1	0.18	10	1.11	329	5	0.02	81	1200	11	0.07	<2	2	105
CC75403		<10	<1	0.20	10	1.05	205	19	0.01	97	850	9	0.06	5	2	64
CC75404		<10	<1	0.22	20	0.96	366	29	0.03	160	990	12	0.05	6	3	73
CC75405		<10	1	0.23	20	1.12	200	40	0.02	163	600	15	0.05	5	3	40
CC75406		10	1	0.44	30	1.82	276	62	0.03	342	620	17	0.03	8	3	58
CC75407		<10	<1	0.37	20	0.97	460	20	0.03	267	4340	12	0.05	4	2	82
CC75408		10	1	0.48	30	0.62	427	4	0.03	41	2470	16	0.07	<2	3	39
CC75409		10	<1	0.56	30	0.68	456	6	0.04	34	2370	18	0.17	<2	3	44
CC75410		10	<1	0.36	20	0.59	650	5	0.02	58	1400	21	0.04	<2	2	21
CC75411		10	1	0.24	20	1.09	1060	3	0.02	32	1110	14	0.03	<2	3	26
CC75412		10	1	0.22	30	1.81	624	4	0.02	49	1440	16	0.04	<2	4	26
CC75413		10	<1	0.23	20	0.59	466	3	0.03	34	1380	17	0.03	<2	4	22
CC75415		<10	1	0.23	10	3.11	442	11	0.03	67	1200	23	0.04	4	3	64
CC75416		<10	1	0.26	10	4.24	449	10	0.03	55	1140	24	0.02	4	2	85
CC75417		<10	1	0.23	10	3.28	504	10	0.03	53	1290	26	0.04	4	2	53
CC75418		<10	1	0.29	20	3.18	485	16	0.03	69	1270	28	0.03	5	3	54
CC75419		<10	1	0.18	10	4.33	469	13	0.02	64	1060	24	0.04	6	2	41
CC75420		10	1	0.12	10	0.63	613	10	0.03	62	790	28	0.05	4	3	34
CC75421		<10	<1	0.22	20	2.60	540	12	0.02	76	970	30	0.02	5	3	45
CC75422		<10	1	0.17	10	0.65	507	17	0.03	129	1490	40	0.09	12	1	60
CC75423		<10	1	0.18	20	0.38	244	53	0.01	177	1220	58	0.03	17	2	41
CC75424		<10	1	0.27	20	0.26	169	55	0.02	158	2130	42	0.02	23	3	22
CC75425		<10	<1	0.14	20	0.10	140	50	0.02	78	480	32	0.01	3	2	10
CC75426		10	<1	0.13	20	0.57	549	18	0.02	58	570	38	0.02	3	4	19
CC75427		10	<1	0.17	20	0.59	302	25	0.02	93	980	54	0.02	3	3	24
CC75428		<10	<1	0.20	20	0.28	301	35	0.03	89	650	28	0.03	4	2	25
CC75429		10	1	0.12	20	0.25	206	16	0.02	45	1210	63	0.02	4	3	109
CC75430		10	<1	0.14	10	0.31	350	19	0.03	42	1000	250	0.03	3	3	88
CC75431		10	1	0.13	20	0.17	148	50	0.02	36	880	417	0.03	7	2	64
CC75432		10	1	0.11	10	1.38	993	8	0.02	91	1420	17	0.03	<2	6	25
CC75433		10	1	0.12	10	0.94	416	7	0.02	76	1760	49	0.04	4	5	33
CC75434		<10	1	0.20	10	0.18	194	48	0.02	18	1100	65	0.13	32	2	90
CC75435		<10	1	0.13	10	1.02	8940	5	0.02	385	930	357	0.07	37	12	52
CC75436		10	1	0.17	20	1.18	1075	7	0.02	105	1960	22	0.12	<2	5	110
CC75437		10	<1	0.08	10	2.26	503	5	0.02	110	580	15	0.02	2	8	22
CC75438		10	1	0.20	20	0.93	147	35	0.01	83	570	11	0.03	4	2	19
CC75439		<10	1	0.18	20	0.74	234	78	0.01	215	520	16	0.03	8	2	14
CC75440		<10	1	0.28	20	0.76	199	43	0.01	226	4350	14	0.05	12	<1	51
CC75441		<10	<1	0.20	20	0.65	292	3	0.01	30	1130	12	0.04	<2	3	21

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VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 30-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078942

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC75401		<20	0.08	<10	<10	106	<10	240
CC75402		<20	0.04	<10	<10	110	<10	403
CC75403		<20	0.03	<10	<10	133	<10	445
CC75404		<20	0.04	<10	<10	260	<10	790
CC75405		<20	0.03	<10	<10	319	<10	547
CC75406		<20	0.04	<10	<10	668	<10	1225
CC75407		<20	0.04	<10	<10	215	<10	1490
CC75408		<20	0.05	<10	<10	60	<10	173
CC75409		<20	0.05	<10	<10	68	<10	129
CC75410		<20	0.04	<10	<10	62	<10	162
CC75411		<20	0.06	<10	<10	66	<10	135
CC75412		<20	0.06	<10	<10	72	<10	146
CC75413		<20	0.04	<10	<10	77	<10	128
CC75415		<20	0.03	<10	<10	87	<10	333
CC75416		<20	0.03	<10	<10	84	<10	351
CC75417		<20	0.03	<10	<10	82	<10	276
CC75418		<20	0.03	<10	<10	105	<10	387
CC75419		<20	0.02	<10	<10	85	<10	391
CC75420		<20	0.03	<10	<10	103	<10	549
CC75421		<20	0.03	<10	<10	102	<10	368
CC75422		<20	0.02	<10	<10	136	<10	662
CC75423		<20	0.03	<10	<10	187	<10	1290
CC75424		<20	0.03	<10	<10	352	<10	768
CC75425		<20	0.03	<10	<10	128	<10	411
CC75426		<20	0.05	<10	<10	142	<10	386
CC75427		<20	0.05	<10	<10	116	<10	476
CC75428		<20	0.04	<10	<10	109	<10	462
CC75429		<20	0.04	<10	<10	89	<10	606
CC75430		<20	0.04	<10	<10	142	<10	438
CC75431		<20	0.03	<10	<10	179	<10	587
CC75432		<20	0.15	<10	<10	133	<10	369
CC75433		<20	0.09	<10	<10	135	<10	411
CC75434		<20	0.02	<10	<10	673	<10	243
CC75435		<20	<0.01	<10	<10	53	<10	2230
CC75436		<20	0.08	<10	<10	120	<10	250
CC75437		<20	0.12	<10	<10	142	<10	153
CC75438		<20	0.03	<10	<10	287	<10	347
CC75439		<20	0.07	<10	<10	227	<10	379
CC75440		<20	0.01	<10	<10	258	<10	531
CC75441		<20	0.06	<10	<10	50	<10	102

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CERTIFICATE OF ANALYSIS VA10078942

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC75442		0.44	0.002	0.6	2.65	14	<10	260	0.7	<2	0.21	<0.5	19	35	55	4.59
CC75443		0.28	0.007	<0.2	1.45	10	<10	280	<0.5	<2	0.35	0.8	18	34	83	4.06
CC75444		0.20	<0.001	<0.2	1.21	11	<10	280	<0.5	<2	0.46	0.6	7	23	41	2.94
CC75445		0.16	0.028	0.6	0.92	8	<10	270	<0.5	2	2.27	0.8	5	63	66	1.87
CC75446		0.20	0.002	0.2	1.16	13	<10	270	<0.5	<2	0.79	0.6	12	21	50	2.46
CC75464		0.10	0.024	4.1	0.51	8	<10	610	<0.5	<2	0.27	7.5	2	43	34	0.80
CC75465		0.14	0.005	2.2	1.42	193	<10	230	<0.5	2	0.10	3.4	4	31	37	2.73
CC75466		0.12	<0.001	0.2	3.78	64	<10	2170	0.6	<2	0.98	<0.5	36	183	115	6.27
CC75467		0.14	<0.001	0.3	5.04	30	<10	8740	0.7	<2	0.87	<0.5	48	228	111	7.17
CC75468		0.20	<0.001	<0.2	3.09	23	<10	700	0.7	<2	0.27	0.6	27	112	60	4.94
CC75469		0.18	<0.001	<0.2	2.72	17	<10	370	0.5	<2	0.21	0.5	18	66	21	4.52
CC75470		0.10	0.002	<0.2	1.87	4	<10	530	<0.5	<2	4.30	2.7	20	69	38	3.80
CC75471		0.12	0.001	0.9	1.62	31	<10	1520	0.6	<2	0.05	2.6	8	33	40	2.88
CC75472		0.10	<0.001	0.9	1.89	26	<10	840	0.6	<2	0.57	4.0	8	74	51	2.78
CC75473		0.16	<0.001	0.2	2.28	4	<10	360	<0.5	<2	0.07	<0.5	8	25	25	3.87
CC75474		0.16	0.003	0.6	3.32	24	<10	450	0.9	<2	0.21	1.2	17	55	70	3.96
CC75475		0.16	0.003	<0.2	2.87	20	<10	300	0.8	<2	0.18	0.5	15	45	50	3.68
CC75476		0.16	0.001	<0.2	1.86	7	<10	320	<0.5	<2	0.31	<0.5	7	25	51	4.08
CC75477		0.08	0.002	0.3	1.83	9	<10	450	0.5	<2	0.74	<0.5	9	48	38	3.49
CC75478		0.06	0.001	0.4	2.12	11	<10	520	0.6	<2	0.53	0.6	10	34	52	3.32
CC75479		0.14	0.001	0.4	1.53	25	<10	510	0.6	<2	1.00	1.3	11	45	43	3.69
CC75480		0.08	0.003	0.3	1.24	50	<10	570	0.5	<2	1.83	19.3	10	32	47	2.59
CC75485		0.12	0.002	0.5	1.64	8	<10	450	0.5	<2	1.22	1.2	10	47	43	2.66
CC75486		0.18	0.005	0.5	1.08	28	<10	340	0.5	2	3.68	33.1	5	28	80	1.80
CC75487		0.20	0.005	16.0	1.10	53	<10	2450	0.7	<2	0.45	5.9	2	145	43	2.51
CC75488		0.16	0.006	0.7	2.33	22	<10	630	0.6	<2	0.35	7.6	10	42	37	2.92
CC75489		0.20	0.003	0.2	2.22	52	<10	590	0.9	<2	0.49	5.9	10	43	66	3.18
CC75490		0.20	<0.001	0.2	1.30	14	<10	290	<0.5	<2	0.15	1.6	4	35	42	1.98
CC75491		0.14	<0.001	3.9	1.80	33	<10	290	0.7	2	0.11	5.0	6	53	90	3.13
CC75492		0.16	0.002	1.7	1.49	48	<10	520	1.1	2	1.49	32.1	7	85	179	2.43
CC75493		0.16	<0.001	0.4	1.27	28	<10	180	0.6	<2	0.07	3.3	5	51	49	2.74
CC75494		0.16	0.001	11.2	2.94	35	<10	330	0.9	<2	0.10	2.1	8	46	48	3.42
CC75495		0.14	0.001	1.0	1.67	129	<10	220	0.8	<2	0.11	4.6	7	52	28	3.48
CC75496		0.16	0.003	3.1	2.77	82	<10	500	0.8	<2	0.18	2.8	10	52	63	4.09
CC75497		0.08	0.003	1.3	1.89	23	<10	550	0.5	<2	2.26	2.8	17	76	66	3.36
CC75498		0.34	0.011	1.5	1.27	160	<10	340	0.5	2	0.47	3.5	6	39	57	2.00
CC75499		0.16	0.004	1.2	1.52	245	<10	410	0.7	<2	0.15	2.3	7	74	88	3.18
CC75500		0.12	0.002	0.3	2.15	21	<10	710	0.5	<2	0.44	1.4	7	59	37	3.20
CC75501		0.08	0.002	0.5	1.73	13	<10	920	0.6	<2	1.13	1.0	12	63	65	3.19
CC75502		0.12	0.003	0.6	1.60	11	<10	690	0.5	<2	2.57	1.8	10	45	85	3.11

***** See Appendix Page for comments regarding this certificate *****

ALS Chemex
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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
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Project: RAU

CERTIFICATE OF ANALYSIS VA10078942

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC75442		<10	<1	0.17	30	1.06	424	3	0.02	45	1250	21	0.05	<2	4	28
CC75443		<10	<1	0.24	10	0.87	1975	6	0.02	45	1790	19	0.04	<2	2	24
CC75444		<10	<1	0.18	10	0.37	445	4	0.03	26	760	14	0.05	<2	1	34
CC75445		<10	1	0.19	10	0.42	649	4	0.03	27	1410	9	0.21	<2	1	95
CC75446		<10	<1	0.20	10	0.83	1360	6	0.02	30	1320	11	0.05	<2	2	39
CC75464		<10	<1	0.09	10	0.06	95	5	0.04	13	650	17	0.05	<2	<1	30
CC75465		10	<1	0.09	10	0.20	221	26	0.02	22	950	36	0.09	17	1	44
CC75466		10	1	0.05	10	2.53	827	2	0.04	151	1020	25	0.04	3	13	56
CC75467		20	1	0.15	10	3.43	1205	3	0.09	215	910	49	0.02	<2	19	36
CC75468		10	<1	0.13	10	1.14	620	5	0.03	106	470	20	0.01	<2	5	24
CC75469		10	<1	0.10	10	0.78	532	3	0.03	60	460	18	0.01	<2	4	17
CC75470		10	1	0.08	10	1.10	2670	2	0.03	69	1520	9	0.09	<2	3	162
CC75471		<10	1	0.38	20	0.90	150	49	0.03	104	710	13	0.06	4	1	25
CC75472		10	<1	0.27	20	0.77	344	53	0.04	131	370	17	0.02	3	3	41
CC75473		10	<1	0.28	20	0.75	159	3	0.02	21	710	14	0.07	<2	3	21
CC75474		10	1	0.25	20	0.79	321	13	0.03	81	1300	24	0.06	2	4	30
CC75475		10	<1	0.14	20	0.61	1260	4	0.03	47	640	24	0.02	<2	5	20
CC75476		10	<1	0.33	30	0.78	514	3	0.03	21	1350	22	0.11	<2	3	35
CC75477		10	<1	0.32	30	0.66	568	4	0.04	24	1380	16	0.09	<2	3	61
CC75478		10	1	0.38	20	0.69	477	4	0.05	28	1310	27	0.07	<2	4	38
CC75479		<10	<1	0.27	20	0.68	1150	6	0.03	39	1770	61	0.05	<2	3	48
CC75480		<10	<1	0.18	10	0.64	545	7	0.03	308	1440	24	0.07	2	2	48
CC75485		<10	<1	0.21	20	0.64	1000	5	0.04	34	1300	15	0.10	<2	3	54
CC75486		<10	1	0.19	10	2.03	253	14	0.03	357	1380	31	0.05	8	2	51
CC75487		10	<1	0.19	60	0.16	293	17	0.04	24	2990	24	0.11	15	3	229
CC75488		10	<1	0.13	20	0.53	762	8	0.04	37	440	26	0.01	<2	4	22
CC75489		10	<1	0.17	20	0.64	433	9	0.03	77	480	42	0.02	2	5	23
CC75490		10	<1	0.10	20	0.29	155	16	0.02	24	200	17	0.01	<2	2	13
CC75491		10	<1	0.21	20	0.25	201	39	0.03	86	840	53	0.02	3	3	33
CC75492		<10	2	0.30	30	0.34	191	41	0.02	214	5680	29	0.02	17	4	48
CC75493		<10	<1	0.24	30	0.12	142	71	0.02	140	840	22	0.01	4	2	8
CC75494		10	<1	0.14	20	0.48	266	24	0.03	60	540	29	0.01	2	5	13
CC75495		10	<1	0.18	20	0.21	219	62	0.03	169	930	32	0.01	15	3	14
CC75496		10	<1	0.21	20	0.60	273	20	0.03	88	780	123	0.02	9	4	24
CC75497		10	1	0.19	10	1.00	713	7	0.04	89	950	256	0.10	4	4	93
CC75498		<10	<1	0.16	10	0.33	244	17	0.02	44	810	102	0.04	24	3	59
CC75499		10	<1	0.26	20	0.48	186	27	0.03	64	1130	47	0.08	35	2	67
CC75500		10	1	0.26	20	1.47	158	10	0.03	49	910	18	0.02	<2	4	30
CC75501		10	<1	0.41	20	0.90	516	8	0.05	79	910	20	0.09	<2	3	57
CC75502		10	<1	0.29	20	0.97	304	9	0.03	87	1000	52	0.09	<2	2	96

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 30-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078942

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC75442		<20	0.05	<10	<10	60	<10	116
CC75443		<20	0.04	<10	<10	61	<10	136
CC75444		<20	0.04	<10	<10	62	<10	83
CC75445		<20	0.02	<10	<10	43	<10	65
CC75446		<20	0.03	<10	<10	52	<10	105
CC75464		<20	0.01	<10	<10	88	<10	95
CC75465		<20	0.03	<10	<10	283	<10	201
CC75466		<20	0.11	<10	<10	142	<10	159
CC75467		<20	0.33	<10	<10	183	<10	133
CC75468		<20	0.17	<10	<10	146	<10	166
CC75469		<20	0.10	<10	<10	127	<10	158
CC75470		<20	0.07	<10	<10	53	<10	113
CC75471		<20	0.03	<10	<10	374	<10	388
CC75472		<20	0.06	<10	<10	389	<10	368
CC75473		<20	0.11	<10	<10	72	<10	80
CC75474		<20	0.06	<10	<10	138	<10	264
CC75475		<20	0.07	<10	<10	92	<10	135
CC75476		<20	0.05	<10	<10	70	<10	99
CC75477		<20	0.04	<10	<10	63	<10	86
CC75478		<20	0.04	<10	<10	72	<10	127
CC75479		<20	0.03	<10	<10	76	<10	231
CC75480		<20	0.03	<10	<10	157	<10	2650
CC75485		<20	0.04	<10	<10	66	<10	156
CC75486		<20	0.03	<10	<10	124	<10	2120
CC75487		<20	0.01	<10	<10	256	<10	280
CC75488		<20	0.06	<10	<10	132	<10	350
CC75489		<20	0.04	<10	<10	143	<10	419
CC75490		<20	0.05	<10	<10	124	<10	245
CC75491		<20	0.04	<10	<10	161	<10	767
CC75492		<20	0.02	<10	<10	514	<10	685
CC75493		<20	0.02	<10	<10	210	<10	584
CC75494		<20	0.06	<10	<10	111	<10	307
CC75495		<20	0.04	<10	<10	116	<10	1145
CC75496		<20	0.05	<10	<10	197	<10	604
CC75497		<20	0.04	<10	<10	136	<10	448
CC75498		<20	0.02	<10	<10	509	<10	230
CC75499		<20	0.04	<10	<10	588	<10	252
CC75500		<20	0.06	<10	<10	128	<10	191
CC75501		<20	0.04	<10	<10	83	<10	281
CC75502		<20	0.03	<10	<10	93	<10	424

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 30-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078942

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC75503		0.18	0.003	0.4	2.09	14	<10	660	0.5	<2	1.99	1.4	19	83	106	4.49
CC75504		0.14	0.001	1.0	2.08	25	<10	1280	0.8	<2	0.52	4.7	9	42	67	3.30
CC75505		0.16	<0.001	1.1	2.10	21	<10	720	0.7	<2	0.69	3.9	8	54	58	2.70
CC75506		0.16	0.002	2.7	2.38	39	<10	730	0.9	<2	1.23	12.7	10	67	129	2.80
CC75507		0.22	0.008	4.9	1.47	29	<10	550	0.6	<2	0.07	0.9	6	83	81	3.37
CC75508		0.22	<0.001	0.7	2.09	6	<10	380	0.6	<2	0.11	0.5	16	24	55	6.11
CC75509		0.18	0.001	0.4	2.17	7	<10	480	0.6	<2	0.30	<0.5	18	30	64	6.15
CC75510		0.20	0.002	0.5	2.73	21	<10	800	0.9	<2	0.17	0.5	13	56	62	3.97
CC75511		0.20	0.001	0.2	1.82	19	<10	430	0.5	<2	0.20	0.9	11	39	50	3.41
CC75512		0.22	<0.001	0.4	1.63	11	<10	200	<0.5	<2	0.10	<0.5	4	25	17	2.44
CC75513		0.18	<0.001	<0.2	1.64	18	<10	260	<0.5	<2	0.10	<0.5	9	41	41	3.47
CC75514		0.12	0.037	0.4	1.01	25	<10	410	<0.5	<2	4.25	107.5	6	27	58	1.95
CC75515		0.10	0.001	0.2	0.50	12	10	250	<0.5	<2	5.69	260	4	26	44	1.04
CC75516		0.08	0.011	0.2	0.31	7	<10	300	<0.5	<2	4.71	41.1	2	8	76	0.66
CC75517		0.10	0.006	<0.2	0.09	5	<10	430	<0.5	<2	4.72	11.3	1	11	14	0.28
CC75518		0.32	0.003	<0.2	1.21	34	<10	520	0.5	2	5.29	2.1	9	24	40	2.76
CC75519		0.16	0.006	1.0	1.36	25	<10	630	0.5	<2	2.27	3.3	8	68	55	2.57
CC75520		0.14	<0.001	0.4	2.15	28	<10	710	0.6	<2	1.15	4.1	10	46	35	3.30
CC75521		0.22	0.004	0.4	1.96	42	<10	810	0.7	<2	1.41	1.8	13	62	58	3.53
CC75522		0.32	0.003	0.3	1.54	36	<10	610	0.6	<2	3.63	2.0	10	33	46	3.00
CC75523		0.28	0.029	0.2	1.89	37	<10	750	0.7	<2	0.79	2.0	12	59	48	3.46
CC75524		0.14	0.012	0.5	0.89	29	<10	650	<0.5	<2	3.58	8.6	5	22	58	1.81
CC75525		0.14	0.006	1.4	1.23	40	<10	410	<0.5	<2	2.65	10.3	9	55	67	2.11
CC75526		0.12	0.007	1.3	1.23	42	<10	420	<0.5	2	2.13	5.9	9	40	44	2.26
CC75527		0.18	0.002	1.2	1.60	51	<10	420	0.5	<2	0.51	12.4	5	67	50	2.38
CC75528		0.28	0.002	3.5	1.54	117	<10	340	0.7	<2	0.13	10.6	14	28	23	4.01
CC75529		0.12	0.004	3.9	2.01	46	<10	760	0.8	<2	0.59	21.5	11	47	92	2.53
CC75530		0.22	0.016	3.5	1.55	183	<10	230	0.5	<2	0.22	3.0	7	36	52	2.99
CC75531		0.26	0.018	0.7	1.98	406	<10	400	0.7	<2	0.30	7.9	6	94	159	3.97
CC75532		0.28	0.006	1.8	0.89	170	<10	380	<0.5	<2	0.27	2.8	2	50	85	2.22
CC75533		0.26	0.002	0.3	2.30	16	<10	520	0.5	<2	1.49	1.6	26	109	112	5.62
CC75534		0.20	0.005	0.4	1.46	13	<10	630	0.5	<2	2.02	1.5	8	36	73	2.52
CC75535		0.06	0.003	<0.2	0.12	3	<10	130	<0.5	<2	4.10	9.3	1	8	19	0.36
CC75536		0.16	0.003	0.9	1.23	15	<10	650	0.5	<2	2.20	3.0	5	24	43	1.71
CC75537		0.26	0.001	0.6	1.48	30	<10	660	0.6	<2	0.17	2.8	8	41	39	2.73
CC75538		0.18	0.001	1.0	1.72	23	<10	700	0.6	<2	0.40	9.9	6	30	43	2.19
CC75539		0.24	0.012	4.8	2.29	29	<10	440	0.7	<2	0.28	1.8	13	84	100	3.78
CC75540		0.22	0.001	0.4	2.21	5	<10	350	0.5	2	0.17	<0.5	10	29	37	4.86
CC75541		0.20	0.001	0.7	2.61	7	<10	350	0.5	2	0.18	<0.5	16	35	49	5.51
CC75542		0.20	<0.001	0.3	1.39	10	<10	290	<0.5	<2	0.11	0.5	10	23	35	3.67

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	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC75503		10	1	0.37	20	1.66	335	8	0.04	126	1180	14	0.06	<2	5	70
CC75504		10	<1	0.46	30	1.45	303	47	0.03	152	940	17	0.05	5	3	37
CC75505		10	1	0.24	20	0.86	292	34	0.03	124	860	15	0.03	3	3	56
CC75506		10	1	0.24	30	1.02	240	25	0.03	178	2560	16	0.04	7	3	96
CC75507		<10	1	0.25	20	0.36	114	15	0.02	115	1200	19	0.08	6	2	38
CC75508		10	1	0.39	30	0.69	526	6	0.03	39	1680	20	0.13	<2	1	35
CC75509		10	<1	0.57	40	0.90	429	6	0.03	40	2540	17	0.12	<2	3	41
CC75510		10	1	0.18	20	0.96	490	12	0.03	82	690	20	0.03	<2	4	21
CC75511		10	<1	0.19	20	0.64	498	10	0.02	55	930	18	0.04	<2	2	21
CC75512		10	<1	0.10	10	0.28	157	4	0.02	17	490	18	0.02	<2	1	14
CC75513		10	1	0.20	10	0.53	659	3	0.03	29	770	18	0.05	<2	1	17
CC75514		<10	1	0.18	10	1.63	429	6	0.03	1330	1700	20	0.10	3	1	72
CC75515		<10	1	0.10	10	0.63	352	4	0.03	1335	1480	11	0.20	<2	<1	94
CC75516		<10	1	0.04	<10	0.45	369	4	0.02	598	1000	9	0.19	2	<1	84
CC75517		<10	<1	0.02	<10	0.36	89	13	0.03	61	720	2	0.18	<2	<1	72
CC75518		<10	<1	0.20	10	3.28	524	7	0.03	45	1050	38	0.03	<2	3	58
CC75519		<10	1	0.23	10	1.15	358	9	0.04	65	1400	22	0.06	3	2	57
CC75520		10	<1	0.19	10	0.76	496	6	0.04	51	660	29	0.04	<2	4	31
CC75521		10	<1	0.18	20	1.27	573	7	0.04	78	950	35	0.03	2	5	34
CC75522		<10	<1	0.21	20	2.49	512	7	0.04	62	1110	40	0.02	3	4	38
CC75523		10	<1	0.21	20	0.85	548	10	0.03	82	550	32	0.03	3	4	25
CC75524		<10	<1	0.12	10	0.50	346	9	0.03	49	870	42	0.12	4	1	94
CC75525		<10	1	0.14	10	0.60	431	8	0.03	75	950	155	0.11	6	2	88
CC75526		<10	1	0.16	10	0.62	403	5	0.03	56	830	164	0.09	8	2	81
CC75527		10	<1	0.18	20	0.27	188	30	0.04	61	570	38	0.04	6	3	29
CC75528		10	<1	0.17	20	0.19	2200	123	0.03	208	890	439	0.01	18	3	14
CC75529		10	1	0.19	20	0.47	1030	24	0.04	64	930	86	0.06	6	4	42
CC75530		<10	<1	0.17	20	0.37	206	57	0.03	125	1430	220	0.02	18	3	25
CC75531		10	1	0.19	20	0.24	267	42	0.03	140	2170	325	0.04	59	3	93
CC75532		<10	<1	0.23	20	0.07	222	49	0.03	48	2430	220	0.09	82	1	163
CC75533		10	1	0.23	20	1.52	482	8	0.03	166	2240	19	0.21	2	6	183
CC75534		<10	<1	0.27	10	0.97	193	11	0.03	77	1050	14	0.09	2	2	76
CC75535		<10	<1	0.05	<10	0.09	126	35	0.02	14	810	5	0.13	<2	<1	152
CC75536		<10	1	0.23	10	0.71	138	18	0.03	67	770	11	0.10	<2	1	102
CC75537		10	1	0.29	20	0.92	172	57	0.02	113	670	13	0.03	3	1	17
CC75538		<10	<1	0.20	20	0.72	319	39	0.02	147	800	12	0.03	4	3	28
CC75539		10	1	0.29	20	0.62	272	13	0.03	111	2030	15	0.04	3	3	35
CC75540		10	1	0.41	30	0.89	259	4	0.03	27	2660	18	0.11	<2	3	46
CC75541		10	1	0.49	30	1.28	265	3	0.02	40	1950	18	0.09	<2	3	42
CC75542		10	<1	0.25	10	0.47	267	5	0.02	31	910	18	0.03	<2	2	15

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 30-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078942

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC75503		<20	0.08	<10	<10	90	<10	288
CC75504		<20	0.04	<10	<10	389	<10	667
CC75505		<20	0.07	<10	<10	266	<10	644
CC75506		<20	0.05	<10	<10	370	<10	815
CC75507		<20	0.02	<10	<10	167	<10	329
CC75508		<20	0.03	<10	<10	56	<10	126
CC75509		<20	0.03	<10	<10	47	<10	119
CC75510		<20	0.05	<10	<10	146	<10	241
CC75511		<20	0.04	<10	<10	102	<10	131
CC75512		<20	0.05	<10	<10	74	<10	52
CC75513		<20	0.04	<10	<10	81	<10	79
CC75514		<20	0.02	<10	<10	104	<10	9550
CC75515		<20	0.01	<10	<10	66	<10	9260
CC75516		<20	0.01	<10	30	32	<10	3280
CC75517		<20	<0.01	<10	30	8	<10	520
CC75518		<20	0.03	<10	<10	60	<10	233
CC75519		<20	0.03	<10	<10	180	<10	305
CC75520		<20	0.05	<10	<10	147	<10	437
CC75521		<20	0.06	<10	<10	137	<10	278
CC75522		<20	0.04	<10	<10	83	<10	281
CC75523		<20	0.04	<10	<10	131	<10	376
CC75524		<20	0.02	<10	<10	75	<10	335
CC75525		<20	0.02	<10	<10	126	<10	641
CC75526		<20	0.03	<10	<10	148	<10	585
CC75527		<20	0.03	<10	<10	182	<10	478
CC75528		<20	0.04	10	<10	140	<10	2910
CC75529		<20	0.03	<10	<10	135	<10	718
CC75530		<20	0.03	<10	<10	203	<10	964
CC75531		<20	0.03	<10	<10	561	<10	815
CC75532		<20	0.02	<10	<10	387	<10	248
CC75533		<20	0.09	<10	<10	107	<10	352
CC75534		<20	0.03	<10	<10	137	<10	280
CC75535		<20	0.01	<10	<10	8	<10	352
CC75536		<20	0.02	<10	<10	214	<10	270
CC75537		<20	0.04	<10	<10	329	<10	449
CC75538		<20	0.05	<10	<10	330	<10	575
CC75539		<20	0.05	<10	<10	155	<10	327
CC75540		<20	0.09	<10	<10	68	<10	112
CC75541		<20	0.10	<10	<10	65	<10	116
CC75542		<20	0.05	<10	<10	72	<10	106

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Project: RAU

Finalized Date: 30-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078942

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC75543		0.18	<0.001	0.8	1.88	17	<10	270	0.5	<2	0.17	1.0	9	38	28	3.59
CC75544		0.38	0.003	0.3	2.46	14	<10	700	0.7	<2	0.25	0.5	11	36	45	3.43
CC75545		0.30	<0.001	0.3	1.37	7	<10	360	<0.5	<2	0.12	0.5	5	29	32	2.82

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Project: RAU

Finalized Date: 30-JUN-2010
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CERTIFICATE OF ANALYSIS VA10078942

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC75543		10	<1	0.18	20	0.55	414	3	0.03	26	1510	19	0.02	<2	2	21
CC75544		10	1	0.15	20	0.73	619	11	0.02	48	660	22	0.03	<2	3	19
CC75545		<10	<1	0.28	20	0.48	292	2	0.02	16	1310	12	0.14	<2	<1	17

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CERTIFICATE OF ANALYSIS VA10078942

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC75543		<20	0.04	<10	<10	69	<10	133
CC75544		<20	0.04	<10	<10	131	<10	150
CC75545		<20	0.02	<10	<10	51	<10	64

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Project: RAU

Finalized Date: 30-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078942

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non-sufficient sample.

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 3-JUL-2010
Account: RCM

CERTIFICATE VA10078943

Project: RAU

P.O. No.: NOW

This report is for 255 Soil samples submitted to our lab in Vancouver, BC, Canada on 17-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-31	Pulverize split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
SCR-43	Screen to -500um, discard plus
SCR-01	Screen - Save plus fraction

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 3-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078943

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC75547		0.12	0.015	<0.2	0.47	10	<10	580	<0.5	2	4.90	3.5	3	22	42	1.01
CC75548		0.18	0.023	0.4	1.06	32	<10	490	0.5	<2	4.15	4.2	9	23	57	2.22
CC75549		0.16	0.003	0.7	1.49	29	<10	610	0.7	<2	1.88	7.1	9	36	66	2.61
CC75550		0.12	0.002	0.8	1.29	29	<10	640	0.5	<2	2.51	5.9	9	27	55	2.51
CC75551		0.36	0.004	0.5	1.34	43	<10	490	0.6	2	4.75	3.6	8	34	73	2.41
CC75552		0.36	0.007	1.0	1.43	50	<10	450	0.7	<2	0.68	2.0	10	33	110	2.97
CC75553		0.16	0.508	0.7	1.11	67	<10	390	0.6	<2	1.74	9.4	9	33	84	2.44
CC75554		0.16	0.008	0.2	1.25	26	<10	260	0.5	<2	0.18	3.0	6	27	79	2.42
CC75555		0.26	0.006	0.5	1.73	17	<10	390	0.5	3	0.25	3.8	13	52	48	3.09
CC75556		0.36	0.007	0.2	1.88	34	<10	540	0.7	<2	2.13	2.7	11	45	55	3.09
CC75557		0.20	0.007	0.2	1.68	38	<10	270	<0.5	<2	0.10	2.5	11	44	35	3.46
CC75558		0.18	0.008	1.8	0.79	36	<10	140	0.5	<2	0.17	3.6	5	35	93	2.24
CC75559		0.18	0.002	<0.2	0.53	14	<10	190	<0.5	<2	0.05	11.4	5	33	26	1.60
CC75560		0.18	<0.001	2.4	0.81	17	<10	220	<0.5	<2	0.07	4.6	3	15	21	1.40
CC75561		0.18	0.002	0.7	1.00	29	<10	330	<0.5	<2	0.18	13.1	5	33	19	1.63
CC75562		0.14	0.003	1.6	1.25	113	<10	180	0.6	2	0.07	6.7	6	22	34	3.01
CC75563		0.26	0.020	0.7	0.63	299	<10	280	<0.5	2	0.06	5.5	5	40	42	2.50
CC75564		0.22	0.008	2.3	1.23	108	<10	200	0.9	<2	1.58	252	7	34	278	2.29
CC75565		0.12	0.015	10.5	1.40	160	<10	380	0.5	2	0.53	4.7	6	65	75	2.67
CC75566		0.22	0.005	2.1	1.76	23	<10	560	<0.5	<2	2.66	5.4	27	78	93	4.00
CC75567		0.14	0.005	0.4	0.91	8	<10	430	<0.5	<2	3.68	1.5	19	42	72	2.03
CC75568		0.18	0.002	<0.2	2.56	3	<10	960	<0.5	<2	1.23	0.6	24	111	72	4.33
CC75569		0.16	0.004	0.3	2.11	2	<10	500	<0.5	<2	1.59	0.6	21	98	87	4.58
CC75570		0.14	0.005	1.0	1.39	11	<10	620	0.5	<2	0.66	2.6	6	26	36	1.74
CC75571		0.22	0.003	1.4	1.12	18	<10	400	<0.5	<2	0.21	5.8	6	32	51	2.08
CC75572		0.22	0.002	1.2	1.99	24	<10	550	0.7	<2	0.54	11.7	9	65	95	2.64
CC75573		0.22	0.010	5.7	1.62	91	<10	530	0.9	<2	0.80	3.8	10	129	400	3.32
CC75574		0.32	0.001	1.4	2.77	5	<10	310	0.5	<2	0.13	<0.5	20	26	67	6.26
CC75575		0.26	0.003	0.9	2.29	12	<10	230	0.6	<2	0.09	0.5	21	35	43	4.91
CC75576		0.36	0.001	<0.2	2.40	11	<10	470	0.6	<2	0.13	<0.5	13	30	39	3.93
CC75577		0.42	0.002	<0.2	1.87	11	<10	290	0.5	<2	0.27	0.6	10	38	39	3.05
CC75578		0.18	0.006	<0.2	1.63	11	<10	370	<0.5	<2	0.15	<0.5	7	24	31	2.78
CC75579		0.24	0.003	0.2	1.03	10	<10	190	<0.5	<2	0.09	<0.5	7	31	37	2.26
CC75580		0.18	0.004	0.3	1.60	18	<10	450	0.5	<2	2.57	22.0	13	37	73	3.16
CC75581		0.08	0.007	<0.2	0.94	25	<10	640	<0.5	<2	4.35	13.5	10	44	51	2.13
CC75582		0.08	0.001	<0.2	0.84	16	<10	650	<0.5	<2	4.24	22.1	7	20	41	1.53
CC75583		0.16	0.002	0.2	1.15	30	<10	450	<0.5	<2	4.22	13.3	11	32	41	2.38
CC75584		0.10	0.003	<0.2	0.88	17	<10	410	<0.5	<2	4.84	12.3	6	19	47	1.54
CC75585		0.16	0.002	0.3	1.14	24	<10	540	<0.5	<2	4.28	7.1	9	39	46	2.33
CC75586		0.08	0.002	0.2	1.14	29	<10	400	<0.5	<2	2.26	7.2	9	28	55	2.13

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CERTIFICATE OF ANALYSIS VA10078943

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC75547		<10	1	0.08	10	0.82	226	5	0.02	29	940	9	0.17	<2	1	166
CC75548		<10	1	0.16	10	2.20	401	12	0.02	61	1210	25	0.05	2	2	73
CC75549		<10	1	0.15	10	0.85	527	10	0.02	62	960	29	0.04	3	2	38
CC75550		<10	1	0.14	10	1.11	467	9	0.02	49	1170	27	0.04	<2	2	38
CC75551		<10	1	0.20	10	3.26	450	16	0.02	75	1150	31	0.02	5	3	45
CC75552		<10	1	0.13	10	0.67	419	19	0.01	101	800	44	0.02	4	3	22
CC75553		<10	<1	0.15	10	0.85	507	16	0.01	86	1120	47	0.04	9	2	38
CC75554		<10	1	0.14	10	0.44	139	14	0.01	74	410	22	0.03	<2	2	24
CC75555		10	1	0.09	10	0.67	340	14	0.01	59	400	20	0.01	<2	3	15
CC75556		<10	1	0.13	10	1.53	460	7	0.02	64	690	24	0.01	<2	4	35
CC75557		10	1	0.11	10	0.46	370	10	0.01	38	460	19	0.01	<2	3	10
CC75558		<10	1	0.13	20	0.13	118	56	0.01	137	1470	26	0.02	21	1	12
CC75559		<10	<1	0.12	20	0.05	103	48	0.01	93	450	34	0.01	<2	1	6
CC75560		<10	1	0.08	10	0.08	101	38	0.01	42	590	68	0.03	<2	1	12
CC75561		<10	1	0.08	10	0.13	155	27	0.01	54	690	21	0.02	4	1	15
CC75562		<10	1	0.10	20	0.12	147	62	0.01	134	850	285	0.01	17	2	11
CC75563		<10	1	0.14	20	0.04	152	133	0.01	152	960	333	0.03	31	1	18
CC75564		<10	1	0.06	20	0.38	768	17	0.02	137	1680	460	0.07	33	2	59
CC75565		<10	1	0.22	10	0.35	173	28	0.02	45	1370	758	0.13	28	3	63
CC75566		<10	1	0.06	10	1.05	1005	6	0.02	121	810	108	0.10	5	5	101
CC75567		<10	1	0.04	10	0.52	1665	2	0.02	58	990	20	0.12	<2	2	123
CC75568		10	<1	0.10	10	1.77	537	2	0.02	119	1320	12	0.07	<2	4	94
CC75569		<10	1	0.12	20	1.42	445	3	0.02	119	1440	12	0.08	<2	5	75
CC75570		<10	1	0.15	20	0.58	197	21	0.01	59	680	12	0.03	<2	1	39
CC75571		<10	1	0.13	20	0.45	113	44	0.01	69	610	14	0.04	<2	1	26
CC75572		10	1	0.16	20	0.63	272	31	0.01	126	1050	20	0.01	5	3	43
CC75573		<10	2	0.25	30	0.79	106	68	0.01	311	5080	19	0.04	13	2	87
CC75574		10	1	0.56	40	1.25	302	3	0.01	43	1960	20	0.16	<2	3	46
CC75575		<10	1	0.14	20	0.50	348	6	0.01	44	910	21	0.04	<2	3	22
CC75576		10	1	0.10	20	0.75	340	6	0.01	34	600	21	0.03	<2	3	19
CC75577		<10	<1	0.09	20	0.53	414	4	0.01	42	1250	15	0.02	<2	3	21
CC75578		<10	<1	0.12	20	0.44	235	9	0.01	33	700	15	0.02	<2	2	17
CC75579		<10	1	0.14	10	0.38	522	5	0.01	21	820	13	0.02	<2	1	12
CC75580		<10	1	0.14	10	1.45	394	6	0.02	324	1040	19	0.05	<2	3	42
CC75581		<10	<1	0.10	10	1.51	957	6	0.02	196	1080	21	0.08	<2	2	65
CC75582		<10	1	0.09	10	0.50	1620	5	0.02	260	960	11	0.12	3	1	96
CC75583		<10	1	0.15	10	2.07	970	5	0.02	349	1290	20	0.07	3	2	60
CC75584		<10	1	0.10	10	1.53	248	3	0.02	350	1220	15	0.12	3	1	77
CC75585		<10	<1	0.14	10	2.47	455	7	0.02	102	1220	24	0.04	<2	2	55
CC75586		<10	1	0.11	10	0.63	424	10	0.02	60	640	36	0.09	3	2	60

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
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Project: RAU

CERTIFICATE OF ANALYSIS VA10078943

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC75547		<20	0.01	<10	10	31	<10	164
CC75548		<20	0.02	<10	<10	80	<10	375
CC75549		<20	0.02	<10	<10	99	<10	404
CC75550		<20	0.02	<10	<10	76	<10	413
CC75551		<20	0.03	<10	<10	104	<10	411
CC75552		<20	0.03	<10	<10	105	<10	387
CC75553		<20	0.02	<10	<10	110	<10	588
CC75554		<20	0.05	<10	<10	146	<10	453
CC75555		<20	0.07	<10	<10	187	10	451
CC75556		<20	0.04	<10	<10	96	<10	249
CC75557		<20	0.05	<10	<10	101	<10	170
CC75558		<20	0.01	<10	<10	163	<10	542
CC75559		<20	0.01	<10	<10	100	<10	235
CC75560		<20	0.02	<10	<10	72	<10	242
CC75561		<20	0.02	<10	<10	58	<10	638
CC75562		<20	0.03	<10	<10	108	<10	1035
CC75563		<20	0.01	<10	<10	222	<10	783
CC75564		<20	0.02	<10	<10	157	<10	3020
CC75565		<20	0.03	<10	<10	304	<10	254
CC75566		<20	0.03	<10	<10	100	<10	570
CC75567		<20	0.01	<10	<10	34	<10	97
CC75568		<20	0.07	<10	<10	63	<10	139
CC75569		<20	0.07	<10	<10	66	<10	152
CC75570		<20	0.02	<10	<10	206	<10	265
CC75571		<20	0.02	<10	<10	105	<10	234
CC75572		<20	0.07	<10	<10	489	<10	1065
CC75573		<20	0.03	<10	<10	323	<10	780
CC75574		<20	0.12	<10	<10	61	<10	143
CC75575		<20	0.05	<10	<10	62	<10	117
CC75576		<20	0.05	<10	<10	72	<10	122
CC75577		<20	0.04	<10	<10	64	<10	121
CC75578		<20	0.03	<10	<10	84	<10	111
CC75579		<20	0.03	<10	<10	78	<10	97
CC75580		<20	0.03	<10	<10	81	<10	2930
CC75581		<20	0.02	<10	<10	82	<10	1495
CC75582		<20	0.02	<10	20	65	<10	2540
CC75583		<20	0.02	<10	<10	105	<10	2730
CC75584		<20	0.01	<10	<10	71	<10	2390
CC75585		<20	0.03	<10	<10	89	<10	715
CC75586		<20	0.02	<10	<10	101	<10	442

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Project: RAU

Finalized Date: 3-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078943

Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
Sample Description LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC75587	0.10	0.004	<0.2	1.05	29	<10	350	<0.5	<2	1.50	9.7	8	51	51	2.07
CC75588	0.12	0.006	0.9	0.85	41	<10	380	<0.5	<2	2.10	6.4	6	24	41	1.64
CC75589	0.08	0.002	0.5	1.21	33	<10	500	0.5	<2	2.52	9.6	9	37	37	2.60
CC75590	0.24	0.004	0.5	0.98	34	<10	410	<0.5	<2	4.54	2.5	8	19	38	2.33
CC75591	0.38	0.002	0.4	1.02	37	<10	500	<0.5	<2	6.50	2.9	9	27	46	2.44
CC75592	0.12	0.010	0.9	0.62	64	<10	440	<0.5	<2	3.00	10.4	5	14	59	1.52
CC75593	0.14	0.004	1.2	1.28	47	<10	480	0.6	<2	2.33	21.5	8	31	75	2.18
CC75594	0.20	0.002	0.8	1.56	34	<10	680	0.6	<2	1.28	13.6	8	27	35	2.41
CC75595	0.22	0.002	0.3	0.48	112	<10	120	<0.5	<2	0.10	2.0	5	34	19	1.75
CC75596	0.24	0.001	0.4	0.52	60	<10	110	<0.5	<2	0.43	2.2	4	19	19	1.37
CC75597	0.28	0.001	0.8	1.97	154	<10	370	0.8	<2	0.92	21.9	9	50	76	3.39
CC75598	0.08	0.001	0.8	2.08	42	<10	540	<0.5	<2	2.99	1.4	17	90	50	3.19
CC75599	0.12	0.002	0.7	2.44	11	<10	370	<0.5	<2	2.50	1.3	29	117	79	4.36
CC75600	0.08	<0.001	0.2	3.11	5	<10	580	<0.5	<2	2.31	2.5	42	154	78	4.89
CC75601	0.18	0.001	0.5	2.23	6	<10	400	<0.5	<2	1.37	5.5	28	87	82	5.27
CC75602	0.16	0.002	0.5	1.24	7	<10	380	<0.5	<2	3.41	5.2	13	43	41	2.36
CC75603	0.24	0.002	0.6	1.75	11	<10	440	<0.5	<2	2.51	7.2	21	66	70	3.97
CC75604	0.12	0.001	1.0	0.99	12	<10	440	<0.5	<2	2.76	4.6	7	27	25	1.56
CC75605	0.16	0.003	1.0	0.92	17	<10	710	<0.5	<2	2.77	9.0	10	17	50	1.90
CC75606	0.16	0.005	2.2	1.54	39	<10	870	0.5	<2	2.33	13.6	14	50	116	2.22
CC75607	0.22	0.001	0.4	1.60	3	<10	340	<0.5	<2	0.36	2.8	23	20	47	4.52
CC75608	0.24	0.001	0.5	1.61	7	<10	340	<0.5	<2	0.29	1.0	19	32	64	4.79
CC75609	0.20	0.001	0.6	1.62	4	<10	330	<0.5	<2	0.18	0.7	19	21	56	5.13
CC75610	0.26	0.018	1.2	1.20	12	<10	270	<0.5	<2	0.33	1.2	20	29	105	3.91
CC75611	0.18	0.002	1.1	1.82	19	<10	240	0.5	<2	0.19	<0.5	13	29	62	3.28
CC75612	0.24	0.001	1.2	1.43	10	<10	240	<0.5	<2	0.21	1.4	14	33	37	3.42
CC75613	0.18	0.010	0.8	1.30	33	<10	600	0.5	<2	2.72	7.0	11	32	65	2.49
CC75614	0.14	0.004	0.7	1.01	26	<10	580	<0.5	<2	4.99	5.2	9	38	55	2.12
CC75615	0.32	0.005	0.5	0.99	31	<10	560	<0.5	<2	4.24	4.6	9	26	44	2.15
CC75616	0.20	0.007	0.9	1.26	49	<10	470	0.5	<2	1.75	7.5	14	40	45	2.61
CC75617	0.20	0.004	0.5	0.95	33	<10	480	<0.5	<2	3.19	3.9	8	23	35	2.03
CC75618	0.10	0.006	0.8	1.17	31	<10	500	0.5	<2	3.20	8.4	10	41	53	2.34
CC75619	0.24	0.001	0.4	1.17	28	<10	380	<0.5	<2	5.85	6.1	9	23	39	2.42
CC75620	0.14	0.001	0.7	1.19	39	<10	440	0.5	<2	4.15	7.9	10	35	59	2.71
CC75621	0.10	0.005	0.6	0.97	48	<10	650	<0.5	<2	3.66	11.9	9	21	57	2.18
CC75622	0.14	0.006	0.7	1.13	45	<10	700	0.5	<2	3.29	8.2	10	34	51	2.48
CC75623	0.16	0.006	0.7	1.44	30	<10	600	0.6	<2	2.52	21.2	10	32	52	2.88
CC75624	0.26	0.003	0.6	1.00	37	<10	440	<0.5	<2	5.26	3.2	8	28	43	2.16
CC75625	0.22	0.004	0.5	1.07	29	<10	520	<0.5	<2	3.56	7.8	9	23	39	2.24
CC75626	0.42	0.003	0.5	1.13	63	<10	400	<0.5	2	6.32	7.8	8	27	53	2.22

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Project: RAU

Finalized Date: 3-JUL-2010
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CERTIFICATE OF ANALYSIS VA10078943

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC75587		<10	1	0.12	10	0.50	268	9	0.02	58	800	45	0.07	<2	2	51
CC75588		<10	1	0.10	10	0.46	264	4	0.02	48	920	71	0.07	6	1	69
CC75589		<10	<1	0.17	10	1.06	372	8	0.02	46	710	30	0.04	4	3	48
CC75590		<10	1	0.12	10	2.73	394	9	0.02	41	1080	29	0.03	3	2	47
CC75591		<10	<1	0.15	10	3.72	502	10	0.02	44	1050	26	<0.01	4	3	82
CC75592		<10	1	0.09	10	0.40	242	15	0.02	72	720	25	0.10	11	1	76
CC75593		<10	<1	0.11	10	0.46	365	18	0.02	96	910	36	0.08	8	2	66
CC75594		<10	<1	0.07	10	0.57	703	9	0.02	46	770	32	0.04	2	2	40
CC75595		<10	<1	0.08	10	0.05	134	64	0.01	128	350	27	0.01	6	1	9
CC75596		<10	<1	0.06	10	0.07	68	37	0.01	68	210	13	0.01	8	1	19
CC75597		10	<1	0.05	10	0.55	330	19	0.02	95	1820	149	0.02	34	3	176
CC75598		10	1	0.13	<10	1.18	499	5	0.02	70	760	15	0.09	5	4	138
CC75599		10	1	0.17	10	1.87	514	3	0.01	133	1120	4	0.08	2	6	114
CC75600		10	1	0.41	<10	2.28	779	2	0.02	190	1020	3	0.06	<2	9	111
CC75601		10	<1	0.11	20	1.76	727	7	0.02	154	1410	7	0.06	<2	5	110
CC75602		<10	<1	0.10	10	0.92	505	4	0.02	68	890	4	0.13	<2	2	159
CC75603		10	<1	0.16	10	1.49	401	9	0.02	134	1000	7	0.06	2	4	110
CC75604		<10	1	0.14	10	0.69	192	12	0.02	64	780	7	0.10	<2	1	132
CC75605		<10	<1	0.15	10	0.73	266	17	0.02	149	780	9	0.11	5	1	208
CC75606		<10	1	0.21	10	1.36	250	10	0.02	304	1570	12	0.09	6	2	155
CC75607		10	<1	0.32	30	0.74	461	4	0.02	53	1700	15	0.05	<2	2	43
CC75608		<10	<1	0.28	20	0.61	584	5	0.02	51	1890	18	0.06	<2	2	31
CC75609		<10	1	0.24	20	0.59	533	4	0.02	42	1910	17	0.11	<2	2	37
CC75610		<10	<1	0.22	10	0.51	967	8	0.01	76	1420	15	0.03	2	2	24
CC75611		<10	<1	0.17	10	0.90	847	2	0.02	41	840	18	0.02	<2	3	22
CC75612		<10	<1	0.17	10	0.54	559	5	0.01	32	1580	16	0.03	<2	2	22
CC75613		<10	<1	0.15	10	1.25	455	7	0.02	114	1110	38	0.07	5	2	51
CC75614		<10	<1	0.15	10	2.98	437	7	0.02	75	1110	33	0.03	4	2	61
CC75615		<10	<1	0.11	10	2.52	531	6	0.02	66	1200	31	0.02	3	2	50
CC75616		<10	1	0.14	10	0.65	799	13	0.02	58	840	65	0.06	6	2	55
CC75617		<10	1	0.11	10	1.67	375	6	0.02	49	1180	33	0.03	5	2	49
CC75618		<10	<1	0.14	10	1.29	486	5	0.02	67	950	45	0.06	5	2	58
CC75619		<10	<1	0.15	10	3.92	452	7	0.02	114	1150	25	<0.01	3	3	54
CC75620		<10	<1	0.15	10	2.57	406	10	0.02	183	1090	31	0.01	5	3	45
CC75621		<10	<1	0.13	10	1.43	966	11	0.02	111	1070	27	0.06	6	2	55
CC75622		<10	<1	0.13	10	1.55	542	8	0.02	70	990	30	0.05	6	2	47
CC75623		<10	<1	0.12	10	1.41	370	6	0.02	75	990	32	0.03	3	3	37
CC75624		<10	1	0.15	10	3.49	405	14	0.02	56	1110	27	0.02	5	2	51
CC75625		<10	<1	0.10	10	2.18	418	7	0.02	48	990	28	0.02	3	2	40
CC75626		<10	<1	0.18	10	3.60	509	21	0.02	75	990	32	0.01	8	3	81

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Finalized Date: 3-JUL-2010
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CERTIFICATE OF ANALYSIS VA10078943

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC75587		<20	0.02	<10	<10	90	<10	339
CC75588		<20	0.02	<10	<10	90	<10	405
CC75589		<20	0.02	<10	<10	60	<10	339
CC75590		<20	0.02	<10	<10	49	<10	230
CC75591		<20	0.03	<10	<10	50	<10	229
CC75592		<20	0.01	<10	<10	56	<10	403
CC75593		<20	0.02	<10	10	65	<10	489
CC75594		<20	0.02	<10	<10	70	<10	431
CC75595		<20	0.01	<10	<10	72	<10	446
CC75596		<20	0.02	<10	<10	63	<10	290
CC75597		<20	0.04	<10	<10	270	<10	1225
CC75598		<20	0.02	<10	<10	138	<10	138
CC75599		<20	0.08	<10	<10	78	<10	223
CC75600		<20	0.25	<10	<10	104	<10	466
CC75601		<20	0.11	<10	<10	71	<10	310
CC75602		<20	0.04	<10	<10	47	<10	255
CC75603		<20	0.07	<10	<10	87	<10	432
CC75604		<20	0.02	<10	<10	130	<10	315
CC75605		<20	0.02	<10	<10	110	<10	594
CC75606		<20	0.03	<10	<10	353	<10	1630
CC75607		<20	0.05	<10	<10	48	<10	206
CC75608		<20	0.04	<10	<10	51	<10	163
CC75609		<20	0.04	<10	<10	51	<10	147
CC75610		<20	0.02	<10	<10	55	<10	270
CC75611		<20	0.05	<10	<10	55	<10	106
CC75612		<20	0.04	<10	<10	68	<10	154
CC75613		<20	0.02	<10	<10	86	<10	753
CC75614		<20	0.03	<10	<10	78	<10	502
CC75615		<20	0.03	<10	<10	74	<10	367
CC75616		<20	0.02	<10	<10	109	<10	551
CC75617		<20	0.02	<10	<10	77	<10	342
CC75618		<20	0.02	<10	<10	82	<10	478
CC75619		<20	0.03	<10	<10	55	<10	956
CC75620		<20	0.03	<10	<10	73	<10	1445
CC75621		<20	0.02	<10	<10	64	<10	722
CC75622		<20	0.02	<10	<10	71	<10	564
CC75623		<20	0.03	<10	<10	66	<10	699
CC75624		<20	0.03	<10	<10	65	<10	293
CC75625		<20	0.03	<10	<10	59	<10	259
CC75626		<20	0.03	<10	<10	65	<10	510

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10078943

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC75627		0.38	0.002	0.4	1.67	41	<10	730	0.7	<2	1.13	2.3	10	33	39	2.99
CC75628		0.32	0.003	0.7	1.53	45	<10	510	0.6	<2	1.67	6.5	11	40	51	3.01
CC75629		0.18	0.006	0.5	1.06	48	<10	320	<0.5	<2	1.47	6.7	6	20	44	1.97
CC75630		0.12	0.003	0.7	1.72	46	<10	340	<0.5	<2	2.17	3.5	12	69	40	2.58
CC75631		0.12	0.003	0.5	2.87	17	<10	370	<0.5	<2	1.99	2.5	28	134	63	4.42
CC75632		0.24	0.002	0.6	3.57	21	<10	470	<0.5	<2	1.38	1.0	39	166	95	5.56
CC75633		0.34	<0.001	0.3	3.66	15	<10	620	<0.5	<2	0.94	2.3	46	184	102	6.08
CC75634		0.20	0.001	0.3	3.75	6	<10	590	<0.5	<2	1.14	1.9	42	181	91	5.81
CC75635		0.18	0.001	0.3	3.48	8	<10	720	0.5	<2	1.63	1.1	32	166	76	6.37
CC75636		0.22	<0.001	0.9	1.53	10	<10	330	<0.5	<2	0.25	3.4	9	47	48	3.86
CC75637		0.20	0.004	0.6	1.69	12	<10	430	<0.5	<2	1.74	46.0	33	75	92	4.23
CC75638		0.14	0.011	1.0	0.91	16	<10	600	<0.5	<2	2.48	6.4	9	19	45	1.87
CC75639		0.22	<0.001	0.6	1.74	19	<10	370	0.5	<2	0.72	4.9	15	28	56	3.38
CC75640		0.28	<0.001	0.5	1.95	6	<10	350	<0.5	<2	0.15	1.1	14	26	61	4.75
CC75641		0.26	0.003	0.5	1.30	6	<10	310	<0.5	<2	0.33	0.7	15	27	57	3.73
CC75642		0.26	0.001	0.7	1.55	8	<10	300	<0.5	<2	0.23	0.7	13	27	62	3.48
CC75643		0.24	0.002	0.9	1.38	10	<10	260	<0.5	<2	0.13	0.9	24	29	122	5.62
CC75644		0.28	<0.001	0.7	1.77	12	<10	200	<0.5	<2	0.22	0.9	14	25	56	3.81
CC75645		0.26	<0.001	1.1	1.64	6	<10	460	<0.5	<2	0.51	2.8	16	39	86	4.21
CC75646		0.08	0.007	0.7	1.07	29	<10	520	<0.5	<2	2.95	5.3	9	29	47	2.14
CC75647		0.08	0.004	0.7	1.06	24	<10	490	<0.5	<2	2.47	4.2	9	27	37	2.26
CC75648		0.08	0.007	0.6	1.13	22	<10	660	<0.5	<2	3.35	5.0	9	44	56	2.10
CC75649		0.08	0.006	0.7	1.54	31	<10	560	0.6	<2	2.72	6.0	13	39	64	3.04
CC75650		0.06	0.005	0.4	0.89	28	<10	600	<0.5	<2	4.19	11.8	9	49	41	2.02
CC75651		0.04	0.003	0.4	0.34	9	<10	460	<0.5	<2	4.82	21.9	2	8	35	0.64
CC75652		0.04	NSS	0.5	1.16	35	<10	490	<0.5	<2	3.89	19.9	9	22	30	2.14
CC75653		0.10	0.005	0.6	1.18	27	<10	610	<0.5	<2	5.72	19.8	11	40	59	2.42
CC75654		0.08	0.005	0.8	1.44	33	<10	810	0.6	<2	2.56	10.2	10	31	47	2.81
CC75655		0.10	0.004	0.6	1.46	25	<10	670	0.5	<2	1.88	12.0	11	46	43	2.75
CC75656		0.16	<0.001	1.5	0.93	40	<10	410	0.6	<2	4.35	38.5	9	44	99	2.27
CC75657		0.12	0.002	0.7	1.39	35	<10	620	0.5	<2	2.73	3.9	9	46	59	2.71
CC75658		0.10	0.003	0.6	1.49	37	<10	760	0.5	<2	4.49	3.1	10	53	48	2.78
CC75659		0.14	0.006	0.7	1.17	49	<10	770	0.5	<2	4.76	5.1	9	23	50	2.41
CC75660		0.12	0.007	0.7	1.15	46	<10	560	0.5	<2	5.31	2.3	9	40	53	2.39
CC75661		0.08	0.007	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC75662		0.10	0.005	0.7	1.46	33	<10	730	0.5	<2	1.93	5.0	10	51	50	2.64
CC75663		0.08	0.001	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC75664		0.12	0.003	0.5	1.37	170	<10	350	<0.5	<2	0.28	4.7	4	60	42	1.94
CC75665		0.18	0.003	2.5	1.15	40	<10	190	<0.5	<2	0.11	2.5	3	21	10	1.48
CC75666		0.20	0.002	1.9	1.58	88	<10	380	<0.5	<2	0.15	2.8	5	62	24	2.15

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Project: RAU

CERTIFICATE OF ANALYSIS VA10078943

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC75627		<10	<1	0.10	10	0.98	498	6	0.02	54	590	30	0.01	3	4	23
CC75628		<10	<1	0.09	10	1.30	518	9	0.02	61	910	39	0.02	3	4	35
CC75629		<10	<1	0.08	10	0.35	189	14	0.01	49	490	18	0.03	5	2	49
CC75630		10	1	0.08	10	0.92	249	8	0.01	65	700	17	0.05	7	3	77
CC75631		10	1	0.22	10	2.14	473	3	0.01	116	870	17	0.05	3	8	76
CC75632		10	1	0.38	10	2.87	624	3	0.01	153	1210	11	0.03	3	10	68
CC75633		10	1	0.44	10	2.99	620	3	0.01	255	1280	7	0.02	2	12	46
CC75634		10	<1	0.16	10	3.23	558	1	0.01	169	1190	3	0.02	<2	10	56
CC75635		10	<1	0.20	20	2.35	558	2	0.02	140	1500	5	0.06	<2	9	103
CC75636		10	<1	0.16	20	0.57	205	4	0.01	62	2690	22	0.09	<2	2	73
CC75637		10	<1	0.25	10	1.15	463	12	0.02	216	1040	7	0.07	3	4	88
CC75638		<10	1	0.15	10	0.71	202	15	0.01	141	960	9	0.10	4	1	191
CC75639		<10	<1	0.17	20	0.97	391	28	0.02	98	1010	13	0.05	2	3	62
CC75640		10	<1	0.29	30	1.05	340	8	0.01	56	1530	23	0.12	<2	3	43
CC75641		<10	<1	0.22	20	0.53	381	4	0.01	45	1590	14	0.04	<2	2	27
CC75642		<10	1	0.20	20	0.78	484	4	0.01	47	1670	13	0.04	<2	2	26
CC75643		<10	<1	0.20	20	0.47	645	7	0.01	73	1790	17	0.08	2	2	36
CC75644		10	<1	0.20	20	0.73	344	3	0.01	38	1850	14	0.05	<2	2	32
CC75645		10	1	0.29	30	0.81	449	8	0.02	65	2450	20	0.10	2	2	62
CC75646		<10	1	0.15	10	0.74	367	7	0.03	72	900	38	0.09	4	2	68
CC75647		<10	<1	0.13	10	1.02	486	6	0.02	64	1020	34	0.05	3	2	46
CC75648		<10	1	0.14	10	0.83	467	6	0.03	82	1010	22	0.11	4	2	70
CC75649		<10	1	0.17	10	1.53	501	12	0.03	131	990	25	0.04	4	3	47
CC75650		<10	<1	0.12	10	1.63	1060	5	0.02	341	940	20	0.07	4	1	65
CC75651		<10	<1	0.05	<10	0.56	184	6	0.03	427	760	7	0.15	6	<1	75
CC75652		<10	1	0.13	10	1.38	756	5	0.02	372	1040	21	0.07	4	2	65
CC75653		<10	<1	0.20	10	3.22	1510	9	0.03	299	1100	24	0.02	5	3	73
CC75654		<10	<1	0.14	10	0.82	466	7	0.03	82	1000	25	0.07	4	3	56
CC75655		<10	<1	0.12	10	0.79	486	6	0.03	73	960	21	0.05	2	3	44
CC75656		<10	2	0.16	10	0.84	540	37	0.02	204	1790	19	0.03	16	2	62
CC75657		<10	<1	0.18	10	1.70	347	12	0.03	65	1180	41	0.02	4	3	40
CC75658		<10	<1	0.16	10	2.69	477	8	0.03	56	990	29	0.03	4	3	50
CC75659		<10	<1	0.16	10	2.87	523	11	0.02	57	1140	35	0.03	7	2	51
CC75660		<10	<1	0.21	10	3.00	397	9	0.03	62	1080	40	0.05	6	3	58
CC75661		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC75662		<10	1	0.13	10	0.87	512	6	0.04	52	1210	19	0.07	4	3	53
CC75663		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC75664		10	<1	0.10	20	0.33	123	18	0.03	51	1030	122	0.03	10	2	22
CC75665		10	<1	0.05	10	0.15	98	6	0.02	10	470	22	0.02	4	1	20
CC75666		10	1	0.16	20	0.24	279	19	0.03	17	870	29	0.07	16	2	45

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Project: RAU

Finalized Date: 3-JUL-2010
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CERTIFICATE OF ANALYSIS VA10078943

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC75627		<20	0.03	<10	<10	80	<10	224
CC75628		<20	0.04	<10	<10	79	<10	264
CC75629		<20	0.02	<10	<10	76	<10	324
CC75630		<20	0.05	<10	<10	90	<10	605
CC75631		<20	0.11	<10	<10	103	<10	237
CC75632		<20	0.17	<10	<10	130	<10	205
CC75633		<20	0.22	<10	<10	131	<10	693
CC75634		<20	0.16	<10	<10	119	<10	176
CC75635		<20	0.25	<10	<10	104	<10	195
CC75636		<20	0.07	<10	<10	89	<10	362
CC75637		<20	0.07	<10	<10	82	<10	722
CC75638		<20	0.02	<10	<10	125	<10	589
CC75639		<20	0.06	<10	<10	85	<10	277
CC75640		<20	0.08	<10	<10	72	<10	227
CC75641		<20	0.03	<10	<10	45	<10	127
CC75642		<20	0.04	<10	<10	54	<10	154
CC75643		<20	0.03	<10	<10	51	<10	214
CC75644		<20	0.05	<10	<10	60	<10	178
CC75645		<20	0.05	<10	<10	85	<10	355
CC75646		<20	0.02	<10	<10	75	<10	472
CC75647		<20	0.02	<10	<10	70	<10	420
CC75648		<20	0.02	<10	<10	67	<10	444
CC75649		<20	0.03	<10	<10	93	<10	716
CC75650		<20	0.01	<10	<10	71	<10	2860
CC75651		<20	0.01	<10	10	21	<10	3220
CC75652		<20	0.02	<10	<10	55	<10	4330
CC75653		<20	0.03	<10	<10	78	<10	2040
CC75654		<20	0.02	<10	<10	71	<10	919
CC75655		<20	0.03	<10	<10	75	<10	592
CC75656		<20	0.02	<10	<10	158	<10	1095
CC75657		<20	0.04	<10	<10	88	<10	312
CC75658		<20	0.04	<10	<10	86	<10	290
CC75659		<20	0.02	<10	<10	73	<10	345
CC75660		<20	0.03	<10	<10	72	<10	379
CC75661		NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC75662		<20	0.03	<10	<10	88	<10	513
CC75663		NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC75664		<20	0.03	<10	<10	197	<10	332
CC75665		<20	0.03	<10	<10	161	<10	135
CC75666		<20	0.03	<10	<10	514	<10	215

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CERTIFICATE OF ANALYSIS VA10078943

Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Sample Description Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC75667	0.16	0.004	2.7	2.73	147	<10	880	1.6	<2	0.68	6.7	4	47	839	3.04
CC75668	0.04	0.005	0.3	2.62	8	<10	920	<0.5	<2	3.26	0.8	26	135	97	4.13
CC75669	0.04	0.003	0.5	2.50	10	<10	530	<0.5	<2	1.52	2.8	27	109	101	4.84
CC75670	0.08	NSS	0.7	1.58	14	<10	700	0.5	<2	1.38	2.7	12	51	61	2.89
CC75671	0.20	0.003	0.8	1.65	8	<10	460	<0.5	<2	1.15	2.5	14	30	66	3.21
CC75672	0.12	NSS	0.9	1.48	7	<10	440	<0.5	<2	1.67	4.1	12	63	73	2.47
CC75673	0.14	0.016	0.4	1.13	8	<10	310	<0.5	<2	1.32	2.6	10	19	49	2.45
CC75674	0.12	0.011	1.1	1.61	7	<10	360	<0.5	<2	1.28	1.9	10	46	70	2.69
CC75675	0.12	0.006	0.5	1.45	6	<10	350	<0.5	<2	1.08	2.9	14	27	66	3.08
CC75676	0.12	0.007	0.7	1.84	13	<10	510	<0.5	<2	0.92	3.3	15	57	103	3.21
CC75677	0.12	0.004	2.2	1.85	13	<10	810	<0.5	<2	0.57	3.5	14	71	180	2.90
CC75678	0.12	0.006	0.9	2.08	14	<10	660	<0.5	<2	0.49	2.0	15	78	200	3.61
CC75681	0.30	0.006	0.5	1.17	20	<10	600	<0.5	<2	3.50	4.3	11	42	65	2.37
CC75682	0.28	0.006	0.6	0.99	26	<10	600	<0.5	<2	5.51	12.7	13	25	63	2.32
CC75683	0.30	0.005	0.6	1.13	29	<10	560	<0.5	<2	4.51	11.1	14	33	62	2.41
CC75684	0.20	0.006	0.7	1.22	40	<10	600	0.5	<2	4.00	14.0	14	27	89	3.17
CC75685	0.26	0.005	0.4	0.49	6	<10	450	<0.5	<2	19.6	36.5	6	11	32	0.88
CC75686	0.22	0.006	0.5	1.11	13	<10	470	<0.5	<2	4.88	15.8	9	27	86	1.76
CC75687	0.28	0.005	0.5	0.77	10	<10	620	<0.5	<2	4.90	98.7	8	26	227	1.28
CC75688	0.14	0.006	0.6	1.01	19	<10	630	<0.5	<2	4.00	20.8	8	23	61	2.00
CC75689	0.12	0.005	0.4	0.89	27	<10	560	<0.5	<2	5.39	33.8	7	35	39	1.85
CC75690	0.20	0.008	0.6	1.18	39	<10	490	<0.5	<2	5.29	20.9	8	29	47	1.99
CC75691	0.08	0.007	1.8	0.52	22	<10	2270	<0.5	<2	4.73	312	5	11	283	1.05
CC75692	0.40	0.005	0.6	1.51	38	<10	590	0.6	3	4.68	3.0	10	35	59	2.80
CC75693	0.34	0.010	0.6	1.22	46	<10	530	0.5	<2	5.47	4.7	9	23	49	2.23
CC75694	0.30	0.050	1.0	1.57	47	<10	580	0.6	2	2.74	2.6	10	30	42	2.81
CC75695	0.28	0.012	1.2	1.51	103	<10	550	0.7	<2	1.66	6.5	10	42	77	2.93
CC75696	0.28	0.012	0.9	1.05	142	<10	440	0.5	<2	3.74	12.9	9	25	57	2.57
CC75697	0.14	0.006	0.8	0.98	40	<10	510	<0.5	<2	2.70	3.2	7	47	43	1.90
CC75698	0.16	0.008	0.6	1.31	31	<10	430	<0.5	<2	2.38	2.5	18	50	82	3.67
CC75699	0.20	0.004	1.8	1.43	40	<10	400	<0.5	<2	0.49	1.5	14	69	73	3.85
CC75700	0.14	0.003	0.2	2.73	5	<10	360	<0.5	<2	1.56	0.5	26	117	90	5.69
CC75701	0.26	0.004	0.2	2.64	6	<10	330	<0.5	2	1.53	<0.5	33	143	81	5.97
CC75702	0.30	0.005	0.3	2.65	5	<10	340	<0.5	2	3.21	<0.5	46	146	125	6.96
CC75703	0.18	0.001	0.2	1.16	2	<10	410	<0.5	<2	3.81	1.1	18	41	57	3.68
CC75704	0.12	0.003	0.4	0.41	9	<10	400	<0.5	<2	2.87	3.1	3	11	23	1.13
CC75705	0.18	0.007	0.6	0.92	26	<10	410	<0.5	<2	8.8	5.0	9	28	58	1.96
CC75706	0.32	0.003	0.6	2.02	<2	<10	220	<0.5	<2	0.16	<0.5	18	21	62	5.29
CC75707	0.28	0.004	0.4	1.62	7	<10	260	<0.5	<2	0.30	0.6	12	34	36	3.21
CC75708	0.22	0.006	1.0	1.42	6	<10	270	<0.5	<2	0.17	1.7	10	24	68	3.13

***** See Appendix Page for comments regarding this certificate *****

ALS Chemex
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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10078943

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
CC75667		<10	2	0.10	10	0.06	207	56	0.02	194	9130	15	0.06	45	4	2940
CC75668		10	1	0.31	10	2.08	400	1	0.04	123	1080	5	0.12	<2	7	159
CC75669		10	<1	0.18	20	2.14	726	9	0.04	128	2230	7	0.18	3	5	204
CC75670		<10	1	0.25	20	0.97	351	17	0.03	90	640	10	0.06	3	3	74
CC75671		<10	<1	0.29	20	1.03	441	10	0.03	77	1730	13	0.10	<2	2	88
CC75672		<10	1	0.20	20	0.99	1150	5	0.04	53	1540	12	0.12	<2	2	83
CC75673		<10	<1	0.19	10	0.75	784	3	0.03	39	1540	18	0.09	<2	1	48
CC75674		<10	1	0.24	10	0.89	584	3	0.03	48	1480	14	0.10	<2	2	57
CC75675		<10	<1	0.27	20	0.82	638	5	0.03	62	1610	13	0.11	<2	2	55
CC75676		10	<1	0.28	20	1.49	455	6	0.04	79	1710	16	0.09	<2	3	57
CC75677		10	<1	0.20	20	1.34	1005	14	0.03	77	1650	10	0.15	3	2	96
CC75678		10	1	0.25	20	1.54	473	12	0.04	114	1850	12	0.16	3	4	87
CC75681		<10	1	0.10	10	2.07	350	6	0.03	91	1170	26	0.06	3	3	48
CC75682		<10	<1	0.11	10	2.08	1060	8	0.03	271	1050	22	0.07	4	2	74
CC75683		<10	1	0.13	10	1.65	845	6	0.03	400	1010	18	0.09	4	2	65
CC75684		<10	1	0.16	10	2.04	943	15	0.03	437	1070	23	0.09	5	2	61
CC75685		<10	<1	0.06	<10	0.56	866	1	0.03	342	630	6	<0.01	3	1	269
CC75686		<10	1	0.11	10	2.22	273	2	0.03	385	1080	19	0.06	3	2	69
CC75687		<10	1	0.07	<10	1.11	1195	4	0.03	596	1050	15	0.15	4	1	91
CC75688		<10	1	0.11	10	1.33	485	6	0.03	147	1060	18	0.09	2	2	64
CC75689		<10	<1	0.14	10	2.40	832	7	0.03	205	990	21	0.07	3	2	73
CC75690		<10	<1	0.17	10	2.97	439	5	0.03	258	1060	37	0.06	5	2	64
CC75691		<10	<1	0.09	<10	1.16	23400	121	0.05	1515	860	13	0.12	6	1	79
CC75692		<10	<1	0.21	10	2.70	624	12	0.03	86	820	28	0.03	5	3	54
CC75693		<10	<1	0.16	10	3.68	622	11	0.03	61	870	26	0.04	4	3	50
CC75694		<10	<1	0.17	10	1.90	579	11	0.03	57	770	31	0.04	5	3	46
CC75695		<10	<1	0.14	10	1.19	368	13	0.03	82	970	33	0.04	11	3	36
CC75696		<10	<1	0.12	10	2.13	618	29	0.03	105	1180	57	0.04	22	3	81
CC75697		<10	<1	0.12	10	0.68	363	3	0.03	40	850	13	0.11	3	2	76
CC75698		<10	<1	0.17	10	1.62	550	10	0.02	95	1360	20	0.13	7	3	85
CC75699		<10	<1	0.20	10	0.56	389	22	0.02	64	840	22	0.10	15	3	48
CC75700		10	<1	0.15	20	2.24	546	3	0.02	137	2460	7	0.13	<2	6	145
CC75701		10	<1	0.21	10	1.93	643	2	0.02	165	1140	5	0.06	<2	9	72
CC75702		10	<1	0.31	10	2.12	728	4	0.02	232	1420	6	0.08	<2	9	133
CC75703		<10	<1	0.20	10	1.20	503	3	0.03	95	960	4	0.13	<2	2	133
CC75704		<10	<1	0.11	<10	0.17	189	22	0.02	40	490	4	0.09	<2	1	117
CC75705		<10	<1	0.17	10	0.77	928	37	0.02	144	1000	10	0.04	5	1	402
CC75706		10	<1	0.49	20	1.38	794	4	0.01	36	1790	15	0.09	<2	2	31
CC75707		<10	<1	0.13	20	0.57	420	2	0.02	30	760	20	0.02	<2	3	22
CC75708		<10	<1	0.22	10	0.65	573	5	0.02	40	1070	12	0.07	<2	1	28

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 3-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078943

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC75667		<20	0.01	<10	10	599	<10	765
CC75668		<20	0.15	<10	<10	107	<10	151
CC75669		<20	0.21	<10	<10	105	<10	288
CC75670		<20	0.04	<10	<10	138	<10	350
CC75671		<20	0.05	<10	<10	93	<10	364
CC75672		<20	0.04	<10	<10	81	<10	227
CC75673		<20	0.03	<10	<10	49	<10	204
CC75674		<20	0.03	<10	<10	61	<10	201
CC75675		<20	0.03	<10	<10	53	<10	296
CC75676		<20	0.06	<10	<10	114	<10	342
CC75677		<20	0.06	<10	<10	212	<10	263
CC75678		<20	0.07	<10	<10	195	<10	439
CC75681		<20	0.03	<10	<10	82	<10	453
CC75682		<20	0.03	<10	<10	69	<10	1595
CC75683		<20	0.02	<10	<10	73	<10	2480
CC75684		<20	0.03	<10	<10	76	<10	2920
CC75685		<20	0.01	<10	<10	28	<10	3690
CC75686		<20	0.03	<10	<10	69	<10	3260
CC75687		<20	0.01	<10	10	45	<10	4230
CC75688		<20	0.02	<10	<10	56	<10	1390
CC75689		<20	0.02	<10	<10	57	<10	1975
CC75690		<20	0.02	<10	<10	67	<10	2420
CC75691		<20	0.01	10	10	35	<10	5920
CC75692		<20	0.04	<10	<10	74	<10	400
CC75693		<20	0.03	<10	<10	78	<10	325
CC75694		<20	0.04	<10	<10	88	<10	317
CC75695		<20	0.03	<10	<10	90	<10	465
CC75696		<20	0.02	<10	<10	115	<10	852
CC75697		<20	0.02	<10	<10	76	<10	179
CC75698		<20	0.04	<10	<10	122	<10	282
CC75699		<20	0.03	<10	<10	279	<10	203
CC75700		<20	0.14	<10	<10	85	<10	213
CC75701		<20	0.16	<10	<10	98	<10	137
CC75702		<20	0.15	<10	<10	83	<10	206
CC75703		<20	0.03	<10	<10	37	<10	123
CC75704		<20	0.02	<10	<10	62	<10	141
CC75705		<20	0.03	<10	<10	107	<10	378
CC75706		<20	0.10	<10	<10	52	<10	135
CC75707		<20	0.03	<10	<10	48	<10	103
CC75708		<20	0.04	<10	<10	70	<10	247

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 3-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078943

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC75709		0.24	0.008	1.9	1.56	6	<10	270	<0.5	<2	0.17	5.9	15	36	57	3.96
CC75710		0.26	0.004	0.9	0.84	5	<10	280	<0.5	<2	0.39	2.8	8	18	52	1.75
CC75711		0.28	0.006	0.7	1.78	19	<10	280	<0.5	<2	0.11	1.3	14	58	97	3.82
CC75712		0.22	0.015	0.6	1.41	19	<10	1080	<0.5	<2	4.02	10.1	12	53	69	2.76
CC75713		0.24	0.005	0.5	1.27	18	<10	870	<0.5	<2	5.35	13.6	12	52	85	2.55
CC75714		0.16	0.005	0.3	0.85	17	<10	550	<0.5	<2	8.5	27.9	10	36	54	1.92
CC75715		0.18	0.004	0.3	0.98	11	<10	460	<0.5	<2	8.9	31.6	7	27	83	1.55
CC75716		0.14	0.004	0.4	1.11	14	<10	420	<0.5	<2	8.7	58.8	11	36	120	1.78
CC75717		0.26	0.006	0.2	0.93	25	<10	490	<0.5	<2	12.3	22.7	14	26	41	2.22
CC75718		0.12	0.008	0.3	0.87	21	<10	450	<0.5	<2	10.1	44.1	10	30	42	1.84
CC75719		0.06	0.007	0.2	0.86	39	<10	490	<0.5	<2	10.0	69.3	16	21	69	2.33
CC75720		0.06	0.005	<0.2	0.79	13	<10	470	<0.5	<2	15.7	87.9	5	23	70	1.44
CC75721		0.08	0.006	0.2	1.04	19	<10	500	<0.5	<2	13.1	50.4	6	20	74	1.94
CC75722		0.18	0.012	0.2	0.87	20	<10	420	<0.5	<2	8.7	13.9	6	26	52	1.85
CC75723		0.24	0.006	0.5	0.88	20	<10	520	<0.5	<2	6.7	3.3	7	19	47	1.90
CC75724		0.14	0.007	0.4	1.08	26	<10	600	<0.5	<2	9.4	31.3	18	29	153	2.17
CC75725		0.22	0.008	0.5	1.07	25	<10	390	<0.5	2	3.61	5.3	7	27	50	2.25
CC75726		0.18	0.009	0.2	1.10	24	<10	680	<0.5	<2	4.84	2.3	9	49	52	2.55
CC75727		0.10	0.005	0.3	1.16	18	<10	490	<0.5	2	3.35	3.7	12	42	56	2.75
CC75728		0.10	0.004	0.4	1.50	17	<10	510	<0.5	<2	3.03	3.8	15	74	56	3.18
CC75729		0.10	0.007	0.6	1.11	42	<10	590	<0.5	2	5.50	3.0	8	26	57	2.41
CC75730		0.20	0.006	0.6	1.43	42	<10	690	0.5	<2	2.83	3.0	11	59	68	2.95
CC75731		0.14	0.006	0.6	1.42	33	<10	770	0.5	<2	2.02	2.2	12	39	66	3.13
CC75732		0.20	0.004	0.6	1.21	58	<10	570	<0.5	<2	3.67	1.8	12	58	65	3.03
CC75733		0.16	0.002	0.5	2.02	21	<10	790	0.7	<2	0.56	1.1	14	53	38	3.30
CC75734		0.20	0.005	<0.2	4.84	<2	<10	400	<0.5	3	1.15	<0.5	42	266	92	7.60
CC75735		0.12	0.005	0.3	2.68	<2	<10	820	<0.5	2	1.75	<0.5	24	94	72	6.44
CC75736		0.16	0.005	0.4	2.06	2	<10	480	<0.5	<2	0.93	<0.5	45	158	80	7.07
CC75737		0.14	0.002	0.2	2.02	5	<10	380	<0.5	<2	0.64	1.7	43	160	59	6.12
CC75738		0.10	0.005	0.6	1.19	35	<10	780	0.5	<2	0.68	5.7	11	47	54	2.80
CC75739		0.14	0.005	0.8	1.47	14	<10	340	0.5	<2	0.60	0.8	13	27	132	3.84
CC75740		0.14	0.002	1.2	1.04	4	<10	300	<0.5	<2	0.23	1.1	14	34	41	4.67
CC75741		0.16	0.002	0.8	1.22	4	<10	300	<0.5	<2	0.21	1.6	12	20	31	3.41
CC75742		0.14	0.004	0.5	1.99	6	<10	300	<0.5	<2	0.16	0.7	11	48	82	4.21
CC75743		0.20	0.008	0.8	1.56	5	<10	300	<0.5	<2	0.33	0.8	6	24	34	3.63
CC75744		0.16	0.004	0.7	1.94	12	<10	250	0.5	<2	0.15	0.6	10	41	29	3.15
CC75745		0.20	0.008	0.5	1.14	21	<10	440	<0.5	<2	5.71	20.0	14	31	96	2.38
CC75746		0.18	0.008	0.4	1.25	16	<10	410	<0.5	<2	5.86	22.9	12	40	67	2.14
CC75747		0.14	0.004	0.2	0.75	19	<10	450	<0.5	<2	12.8	23.6	9	21	42	1.64
CC75748		0.18	0.004	0.3	0.74	14	<10	480	<0.5	<2	14.3	27.4	11	26	44	1.54

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	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC75709		<10	<1	0.22	20	0.68	2450	5	0.02	63	1670	16	0.06	<2	2	27
CC75710		<10	<1	0.12	10	0.24	618	5	0.01	26	1060	9	0.04	<2	1	26
CC75711		<10	<1	0.18	10	1.11	422	5	0.02	73	1280	14	0.12	<2	3	32
CC75712		<10	<1	0.14	10	2.53	549	11	0.03	287	1420	18	0.06	2	4	68
CC75713		<10	<1	0.13	10	2.10	514	8	0.02	383	1170	16	0.07	2	3	79
CC75714		<10	<1	0.11	10	2.28	598	6	0.02	427	1060	15	0.06	2	2	106
CC75715		<10	<1	0.11	10	2.34	231	1	0.03	543	1090	18	0.07	2	2	116
CC75716		<10	<1	0.13	10	1.92	389	1	0.02	661	1020	18	0.08	2	2	110
CC75717		<10	<1	0.10	<10	2.33	917	10	0.02	364	960	13	0.07	2	2	136
CC75718		<10	<1	0.12	10	2.28	891	4	0.02	407	900	17	0.07	2	2	127
CC75719		<10	<1	0.13	10	2.26	1675	7	0.03	662	910	17	0.07	<2	2	140
CC75720		<10	<1	0.12	<10	1.44	2280	1	0.02	542	800	12	0.09	<2	1	268
CC75721		<10	<1	0.19	<10	2.45	990	4	0.03	334	960	16	0.06	<2	2	188
CC75722		<10	<1	0.17	10	4.04	753	5	0.02	141	990	17	0.03	<2	2	82
CC75723		<10	<1	0.13	10	3.39	535	5	0.02	86	980	18	0.04	2	2	74
CC75724		<10	<1	0.17	10	2.43	7080	31	0.03	662	1000	19	0.05	2	2	116
CC75725		<10	<1	0.13	10	2.00	224	4	0.02	151	1080	22	0.06	2	2	60
CC75726		<10	<1	0.21	10	2.98	444	8	0.03	63	1180	20	0.04	2	2	67
CC75727		<10	<1	0.20	10	1.81	360	7	0.03	79	1330	13	0.14	<2	2	113
CC75728		<10	<1	0.21	10	1.91	383	5	0.03	95	1320	10	0.12	<2	3	115
CC75729		<10	<1	0.19	10	3.40	478	7	0.03	44	1060	31	0.05	5	2	59
CC75730		<10	<1	0.16	10	2.01	452	7	0.03	63	1100	23	0.04	5	3	45
CC75731		<10	<1	0.15	10	1.15	335	7	0.02	71	830	17	0.04	6	3	45
CC75732		<10	<1	0.23	10	2.24	444	14	0.03	68	980	19	0.07	11	3	72
CC75733		10	<1	0.12	10	0.79	508	7	0.02	59	340	20	0.03	5	4	21
CC75734		10	<1	0.14	20	4.92	902	2	0.02	213	2050	5	0.06	<2	13	64
CC75735		10	<1	0.29	50	2.54	681	5	0.03	91	3550	6	0.26	2	3	170
CC75736		10	<1	0.15	10	1.72	933	3	0.05	203	1030	3	0.06	3	9	59
CC75737		10	<1	0.10	10	1.58	936	15	0.04	196	590	3	0.06	<2	8	41
CC75738		<10	<1	0.29	20	0.69	569	49	0.02	141	720	10	0.07	10	2	59
CC75739		<10	<1	0.25	40	0.84	657	9	0.02	51	1250	11	0.04	3	2	36
CC75740		<10	<1	0.31	30	0.20	311	4	0.02	37	1600	17	0.02	2	1	18
CC75741		10	<1	0.19	10	0.40	591	3	0.02	30	900	13	0.02	<2	1	18
CC75742		10	<1	0.22	20	1.07	493	2	0.02	42	1450	11	0.03	2	2	21
CC75743		10	<1	0.26	20	0.65	240	4	0.02	18	2120	15	0.09	<2	2	26
CC75744		10	<1	0.17	10	0.61	480	2	0.02	29	1020	14	0.03	<2	2	15
CC75745		<10	<1	0.13	10	1.90	741	5	0.02	566	1160	20	0.07	2	2	80
CC75746		<10	<1	0.15	10	2.09	441	3	0.03	570	1050	23	0.06	2	2	84
CC75747		<10	<1	0.11	<10	1.87	658	5	0.03	451	790	16	0.08	2	2	144
CC75748		<10	<1	0.11	<10	1.90	756	4	0.03	603	780	14	0.08	<2	1	171

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 3-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078943

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC75709		<20	0.04	<10	<10	57	<10	457
CC75710		<20	0.01	<10	<10	42	<10	113
CC75711		<20	0.04	<10	<10	77	<10	238
CC75712		<20	0.04	<10	<10	135	<10	2040
CC75713		<20	0.03	<10	<10	135	<10	3030
CC75714		<20	0.03	<10	<10	84	<10	3820
CC75715		<20	0.03	<10	<10	65	<10	4460
CC75716		<20	0.02	<10	<10	67	<10	6260
CC75717		<20	0.03	<10	<10	65	<10	3910
CC75718		<20	0.02	<10	<10	52	<10	4930
CC75719		<20	0.02	<10	<10	55	<10	6540
CC75720		<20	0.02	<10	<10	39	<10	7760
CC75721		<20	0.02	<10	<10	53	<10	5050
CC75722		<20	0.02	<10	<10	51	<10	1845
CC75723		<20	0.02	<10	<10	56	<10	588
CC75724		<20	0.02	<10	<10	55	<10	4950
CC75725		<20	0.03	<10	<10	57	<10	1050
CC75726		<20	0.05	<10	<10	71	<10	325
CC75727		<20	0.05	<10	<10	76	<10	308
CC75728		<20	0.07	<10	<10	87	<10	344
CC75729		<20	0.03	<10	<10	98	<10	275
CC75730		<20	0.04	<10	<10	121	<10	302
CC75731		<20	0.03	<10	<10	165	<10	210
CC75732		<20	0.03	<10	<10	202	<10	230
CC75733		<20	0.03	<10	<10	287	<10	191
CC75734		<20	0.22	<10	<10	153	<10	193
CC75735		<20	0.20	<10	<10	72	<10	167
CC75736		<20	0.10	<10	<10	77	<10	120
CC75737		<20	0.09	<10	<10	93	<10	177
CC75738		<20	0.02	<10	<10	200	<10	691
CC75739		<20	0.03	<10	<10	95	<10	136
CC75740		<20	0.01	<10	<10	36	<10	129
CC75741		<20	0.03	<10	<10	50	<10	160
CC75742		<20	0.06	<10	<10	65	<10	127
CC75743		<20	0.04	<10	<10	65	<10	113
CC75744		<20	0.04	<10	<10	67	<10	121
CC75745		<20	0.02	<10	<10	84	<10	5230
CC75746		<20	0.03	<10	<10	77	<10	5290
CC75747		<20	0.02	<10	<10	55	<10	4000
CC75748		<20	0.02	<10	<10	47	<10	5450

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 3-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078943

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC75749		0.10	0.003	0.4	0.94	20	<10	400	<0.5	<2	12.3	35.5	10	22	73	1.83
CC75750		0.06	0.005	0.2	1.05	25	<10	500	<0.5	<2	12.4	36.5	15	32	63	2.22
CC75751		0.08	0.003	0.3	1.22	72	<10	390	<0.5	<2	8.2	10.1	27	29	60	3.19
CC75752		0.22	0.005	0.2	0.90	29	<10	390	<0.5	<2	10.9	42.3	10	25	75	1.99
CC75753		0.30	0.002	0.2	0.85	18	<10	360	<0.5	<2	9.5	17.2	11	21	80	1.24
CC75754		0.14	0.002	<0.2	0.80	18	<10	490	<0.5	<2	8.3	13.8	6	36	53	1.73
CC75755		0.10	0.007	0.3	1.09	24	<10	460	<0.5	<2	3.84	3.6	9	30	48	2.55
CC75756		0.16	0.010	0.5	1.28	23	<10	420	<0.5	<2	2.64	3.5	10	50	61	2.75
CC75757		0.12	0.006	0.6	1.30	25	<10	450	<0.5	<2	2.39	2.2	12	41	45	2.82
CC75758		0.10	NSS	0.4	1.03	14	<10	370	<0.5	<2	3.68	3.3	10	50	48	2.33
CC75759		0.06	0.015	0.2	0.61	8	<10	290	<0.5	<2	4.17	3.5	5	16	32	1.18
CC75760		0.08	0.006	0.6	1.01	55	<10	650	<0.5	<2	2.49	7.6	8	38	50	2.25
CC75761		0.16	0.005	0.5	1.26	44	<10	680	0.5	2	3.33	2.3	8	27	37	2.45
CC75762		0.10	0.005	0.5	1.59	45	<10	720	0.6	2	2.20	3.9	10	61	53	3.02
CC75763		0.26	0.004	0.8	1.62	61	<10	620	0.7	2	1.46	5.8	10	36	55	3.05
CC75764		0.10	<0.001	1.7	0.89	74	<10	390	<0.5	<2	1.44	9.5	5	59	305	1.88
CC75765		0.10	0.002	0.4	1.04	16	<10	410	<0.5	<2	3.65	4.8	8	27	130	1.83
CC75766		0.12	<0.001	0.4	3.14	4	<10	590	<0.5	<2	2.33	0.7	33	117	94	5.58
CC75767		0.12	<0.001	0.2	2.80	2	<10	370	<0.5	<2	2.04	<0.5	30	115	54	5.40
CC75768		0.12	0.002	0.3	2.62	4	<10	320	<0.5	<2	1.86	1.4	12	131	51	4.68
CC75769		0.22	0.006	0.7	1.47	14	<10	570	0.5	<2	1.17	1.8	12	30	70	3.12
CC75770		0.12	0.005	0.8	1.32	14	<10	760	<0.5	<2	2.27	2.0	9	33	79	2.51
CC75771		0.14	0.004	0.6	1.69	24	<10	850	0.6	<2	0.73	4.5	11	31	42	2.69
CC75772		0.18	0.003	0.8	1.16	37	<10	1080	0.5	<2	2.09	6.4	12	23	68	2.64
CC75773		0.14	0.002	0.6	2.27	6	<10	440	0.6	<2	0.53	0.7	20	30	95	5.20
CC75774		0.18	0.007	0.7	1.89	6	<10	370	0.5	<2	0.44	1.3	28	29	127	5.43
CC75775		0.16	0.001	1.7	1.78	10	<10	310	0.5	<2	0.12	1.2	10	29	55	3.15
CC75776		0.08	0.004	0.6	1.42	10	<10	340	0.5	<2	0.97	1.7	8	25	65	2.77
CC75777		0.16	0.001	0.9	2.02	5	<10	420	0.6	<2	0.39	3.8	19	31	116	4.80
CC75778		0.14	0.002	0.3	0.75	16	<10	410	<0.5	<2	14.5	19.7	8	20	44	1.52
CC75779		0.22	0.003	0.4	1.07	20	<10	470	<0.5	2	13.2	24.2	11	27	62	2.08
CC75780		0.14	<0.001	0.2	0.70	18	<10	380	<0.5	<2	15.5	26.1	10	17	58	1.42
CC75781		0.14	0.005	0.2	0.71	19	<10	420	<0.5	<2	14.3	24.1	9	17	59	1.50
CC75782		0.10	0.003	0.3	0.91	20	<10	440	<0.5	<2	10.2	18.1	11	22	68	1.86
CC75783		0.08	0.003	0.3	1.12	21	<10	450	<0.5	2	8.9	8.2	9	25	77	1.96
CC75784		0.08	0.002	<0.2	0.59	10	<10	420	<0.5	<2	17.9	13.7	8	14	46	1.21
CC75785		0.12	0.006	0.3	1.14	15	<10	400	<0.5	<2	4.39	6.7	9	30	47	2.13
CC75786		0.08	0.002	0.3	1.04	21	<10	500	<0.5	<2	4.15	10.6	10	29	54	2.31
CC75787		0.10	0.006	0.2	1.33	34	<10	810	<0.5	2	3.35	21.1	25	38	86	3.04
CC75788		0.10	0.008	0.5	1.31	24	<10	420	<0.5	<2	2.83	3.8	13	44	52	2.57

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 3-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078943

Sample Description	Method Analyte Units LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
CC75749		<10	<1	0.15	10	2.11	970	4	0.02	524	850	16	0.06	<2	2	155
CC75750		<10	<1	0.16	10	1.88	1480	4	0.03	538	870	15	0.08	2	2	182
CC75751		<10	<1	0.21	10	2.31	1530	11	0.03	817	1100	17	0.07	4	2	135
CC75752		<10	<1	0.14	10	2.45	1110	4	0.02	404	940	14	0.06	<2	2	151
CC75753		<10	<1	0.13	10	2.76	739	12	0.03	243	850	16	0.18	<2	2	133
CC75754		<10	<1	0.16	10	3.13	526	3	0.03	249	970	15	0.06	<2	2	104
CC75755		<10	<1	0.16	10	1.91	485	6	0.03	87	1020	18	0.09	<2	2	86
CC75756		<10	<1	0.16	10	1.14	423	9	0.03	76	1090	21	0.12	<2	3	106
CC75757		<10	<1	0.15	10	0.99	543	7	0.03	66	1180	18	0.14	<2	3	121
CC75758		<10	<1	0.15	10	0.98	358	3	0.03	70	970	10	0.23	<2	2	178
CC75759		<10	<1	0.08	<10	0.55	245	1	0.04	40	740	8	0.17	<2	1	167
CC75760		<10	<1	0.16	10	0.77	515	9	0.03	58	990	33	0.08	6	2	51
CC75761		<10	<1	0.16	10	1.99	527	7	0.03	44	850	29	0.05	4	2	40
CC75762		<10	<1	0.23	10	1.53	634	8	0.04	58	950	32	0.03	4	3	35
CC75763		<10	<1	0.18	10	0.84	598	9	0.03	57	1020	40	0.04	6	3	36
CC75764		<10	<1	0.14	10	0.26	188	18	0.03	43	940	20	0.07	17	2	84
CC75765		<10	<1	0.08	10	0.62	438	3	0.04	58	1100	8	0.14	5	1	118
CC75766		10	<1	0.09	20	2.54	1105	4	0.03	111	1860	5	0.09	<2	6	109
CC75767		10	<1	0.08	20	2.56	817	6	0.03	73	1590	4	0.10	<2	6	102
CC75768		10	<1	0.08	10	2.68	360	13	0.03	63	1210	5	0.16	<2	7	118
CC75769		<10	<1	0.25	20	1.17	322	16	0.02	85	1030	11	0.06	2	2	55
CC75770		<10	<1	0.25	10	1.03	224	16	0.03	108	670	22	0.10	2	1	107
CC75771		<10	<1	0.30	20	1.28	336	28	0.02	111	860	12	0.05	4	2	45
CC75772		<10	1	0.32	20	0.67	510	72	0.02	198	1040	10	0.04	7	2	77
CC75773		<10	<1	0.52	30	1.13	453	7	0.03	66	2020	15	0.06	<2	3	36
CC75774		<10	<1	0.43	20	1.12	1430	14	0.03	86	1810	19	0.06	<2	3	36
CC75775		<10	<1	0.25	10	0.86	481	3	0.03	30	860	10	0.03	<2	2	18
CC75776		<10	<1	0.31	10	0.51	400	6	0.04	35	1220	13	0.06	<2	2	39
CC75777		<10	<1	0.55	30	0.87	471	10	0.03	72	1630	21	0.07	<2	3	32
CC75778		<10	<1	0.12	<10	1.56	596	4	0.03	429	750	16	0.10	<2	1	206
CC75779		<10	<1	0.16	10	2.15	810	5	0.03	516	870	21	0.07	<2	2	167
CC75780		<10	<1	0.11	<10	1.61	769	3	0.03	626	740	12	0.11	<2	1	210
CC75781		<10	<1	0.12	10	2.60	695	2	0.03	324	810	14	0.07	<2	1	189
CC75782		<10	<1	0.14	10	2.64	967	3	0.03	335	940	17	0.07	<2	2	150
CC75783		<10	<1	0.19	10	2.71	408	2	0.03	201	950	20	0.08	<2	2	129
CC75784		<10	<1	0.09	<10	1.36	1500	1	0.03	202	670	10	<0.01	<2	1	283
CC75785		<10	<1	0.17	10	2.00	425	1	0.03	148	1070	17	0.09	<2	2	81
CC75786		<10	<1	0.16	10	2.13	669	4	0.03	136	1070	17	0.07	<2	2	85
CC75787		<10	<1	0.19	10	2.07	2690	20	0.03	162	1220	21	0.06	2	3	83
CC75788		<10	<1	0.16	10	0.94	614	6	0.03	73	1120	16	0.15	2	2	145

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VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 3-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078943

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC75749		<20	0.03	<10	<10	54	<10	5450
CC75750		<20	0.02	<10	<10	57	<10	4980
CC75751		<20	0.03	<10	<10	62	<10	5970
CC75752		<20	0.02	<10	<10	49	<10	5350
CC75753		<20	0.03	<10	20	46	<10	2640
CC75754		<20	0.03	<10	<10	52	<10	2420
CC75755		<20	0.04	<10	<10	66	<10	543
CC75756		<20	0.04	<10	<10	69	<10	364
CC75757		<20	0.04	<10	<10	72	<10	289
CC75758		<20	0.04	<10	<10	56	<10	287
CC75759		<20	0.02	<10	<10	32	<10	202
CC75760		<20	0.02	<10	<10	76	<10	416
CC75761		<20	0.02	<10	<10	97	<10	319
CC75762		<20	0.04	<10	<10	118	<10	383
CC75763		<20	0.03	<10	<10	109	<10	405
CC75764		<20	0.02	<10	<10	143	<10	247
CC75765		<20	0.02	<10	<10	62	<10	176
CC75766		<20	0.13	<10	<10	99	<10	158
CC75767		<20	0.14	<10	<10	86	<10	106
CC75768		<20	0.07	<10	<10	93	<10	138
CC75769		<20	0.04	<10	<10	116	<10	387
CC75770		<20	0.03	<10	<10	149	<10	342
CC75771		<20	0.03	<10	<10	257	<10	449
CC75772		<20	0.09	<10	<10	255	<10	617
CC75773		<20	0.05	<10	<10	70	<10	145
CC75774		<20	0.04	<10	<10	54	<10	196
CC75775		<20	0.05	<10	<10	81	<10	126
CC75776		<20	0.03	<10	<10	81	<10	144
CC75777		<20	0.04	<10	<10	68	<10	229
CC75778		<20	0.02	<10	10	42	<10	4030
CC75779		<20	0.03	<10	<10	62	<10	4760
CC75780		<20	0.02	<10	<10	37	10	6000
CC75781		<20	0.02	<10	<10	42	<10	3230
CC75782		<20	0.02	<10	<10	49	<10	3200
CC75783		<20	0.03	<10	<10	62	<10	2360
CC75784		<20	0.02	<10	<10	28	<10	2450
CC75785		<20	0.04	<10	<10	60	<10	1880
CC75786		<20	0.04	<10	<10	64	<10	1335
CC75787		<20	0.05	<10	<10	89	<10	1180
CC75788		<20	0.04	<10	<10	82	<10	393

***** See Appendix Page for comments regarding this certificate *****

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ALS Canada Ltd.
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Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 3-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078943

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC75789		0.06	0.005	0.5	1.38	32	<10	430	<0.5	<2	3.20	2.5	12	37	48	2.96
CC75790		0.10	0.007	0.6	1.00	31	<10	500	0.6	<2	4.01	5.1	9	26	90	2.32
CC75791		0.16	0.005	0.4	1.14	31	<10	590	<0.5	<2	5.87	3.9	7	25	45	2.30
CC75792		0.22	0.006	0.5	1.04	46	<10	640	<0.5	2	7.12	4.6	7	20	48	2.05
CC75793		0.10	0.003	0.5	1.44	35	<10	550	0.5	<2	2.73	3.0	9	31	43	2.64
CC75794		0.14	0.004	0.5	1.55	46	<10	450	<0.5	<2	1.61	4.2	14	54	68	2.98
CC75795		0.08	0.001	0.3	2.03	9	<10	560	0.5	<2	1.62	<0.5	18	69	86	4.89
CC75796		0.10	0.013	0.5	1.12	9	<10	600	<0.5	<2	3.00	1.4	7	22	56	2.00
CC75797		0.16	0.004	1.3	1.32	19	<10	1210	<0.5	<2	2.14	1.1	9	33	56	2.21
CC75798		0.10	0.001	0.5	1.04	2	<10	250	<0.5	<2	1.25	0.8	11	15	62	2.84
CC75799		0.08	0.003	0.7	1.60	5	<10	280	<0.5	<2	1.84	1.3	16	25	83	3.41
CC75800		0.06	<0.001	0.6	1.37	8	<10	420	<0.5	<2	1.97	0.8	9	43	58	2.18
CC75801		0.12	0.006	0.7	2.61	26	<10	420	<0.5	<2	1.85	2.0	23	147	77	3.40
CC75802		0.06	0.002	0.6	3.09	6	<10	380	<0.5	<2	1.91	4.5	23	230	83	3.96
CC75803		0.10	0.001	0.2	5.09	5	<10	190	<0.5	<2	1.51	0.7	53	449	90	7.14

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CERTIFICATE OF ANALYSIS VA10078943

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC75789		<10	<1	0.21	10	1.09	479	5	0.03	72	1030	23	0.14	2	3	143
CC75790		<10	1	0.17	10	1.76	652	22	0.03	285	1060	21	0.09	4	2	67
CC75791		<10	<1	0.18	10	3.61	398	6	0.03	104	1050	22	0.03	3	2	52
CC75792		<10	<1	0.21	10	4.06	447	10	0.03	51	940	28	0.04	4	2	67
CC75793		<10	<1	0.21	10	1.41	480	6	0.03	45	920	24	0.06	4	3	41
CC75794		<10	<1	0.13	10	1.16	628	7	0.03	70	940	23	0.06	6	3	49
CC75795		10	<1	0.21	30	1.49	407	4	0.04	82	1780	10	0.23	<2	5	184
CC75796		<10	<1	0.16	10	0.77	290	3	0.03	54	870	7	0.11	<2	1	125
CC75797		<10	1	0.17	10	0.83	613	10	0.03	68	1380	9	0.10	<2	2	100
CC75798		<10	<1	0.25	20	0.46	509	3	0.03	32	880	9	0.06	<2	1	59
CC75799		<10	<1	0.32	10	1.01	804	3	0.03	43	1120	12	0.14	<2	2	85
CC75800		<10	<1	0.16	10	1.02	393	5	0.03	53	1180	10	0.11	2	2	110
CC75801		10	1	0.11	10	2.68	541	5	0.02	127	1240	8	0.09	<2	6	115
CC75802		10	<1	0.09	10	3.97	566	2	0.03	203	1650	4	0.08	<2	7	116
CC75803		10	<1	0.04	10	7.83	886	1	0.01	421	860	<2	0.03	<2	18	253

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Project: RAU

Finalized Date: 3-JUL-2010
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CERTIFICATE OF ANALYSIS VA10078943

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC75789		<20	0.03	<10	<10	87	<10	393
CC75790		<20	0.02	<10	<10	76	<10	1925
CC75791		<20	0.03	<10	<10	76	<10	1120
CC75792		<20	0.03	<10	<10	74	<10	359
CC75793		<20	0.03	<10	<10	76	<10	346
CC75794		<20	0.04	<10	<10	95	<10	397
CC75795		<20	0.16	<10	<10	77	<10	179
CC75796		<20	0.02	<10	<10	72	<10	247
CC75797		<20	0.03	<10	10	153	<10	266
CC75798		<20	0.02	<10	<10	34	<10	69
CC75799		<20	0.03	<10	<10	49	<10	97
CC75800		<20	0.04	<10	<10	117	<10	207
CC75801		<20	0.05	<10	<10	138	<10	275
CC75802		<20	0.07	<10	<10	117	<10	300
CC75803		<20	0.07	<10	<10	123	<10	100

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CERTIFICATE OF ANALYSIS VA10078943

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non-sufficient sample.

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Account: RCM

CERTIFICATE VA10078944

Project: RAU

P.O. No.: NOW

This report is for 249 Soil samples submitted to our lab in Vancouver, BC, Canada on 17-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-31	Pulverize split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
PUL-QC	Pulverizing QC Test
SCR-43	Screen to -500um, discard plus
SCR-01	Screen - Save plus fraction

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS VA10078944

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC75811		0.24	0.002	0.2	0.78	16	<10	390	<0.5	<2	15.0	21.4	9	19	54	1.53
CC75812		0.18	0.003	<0.2	0.72	16	<10	380	<0.5	<2	15.0	18.3	7	20	48	1.42
CC75813		0.22	0.003	<0.2	0.71	16	<10	320	<0.5	<2	14.8	19.8	12	16	61	1.31
CC75814		0.26	0.004	0.2	0.87	17	<10	410	<0.5	<2	8.4	11.4	10	25	53	1.85
CC75815		0.14	0.005	0.3	1.03	22	<10	410	<0.5	<2	3.68	11.3	11	29	57	2.34
CC75816		0.12	0.035	<0.2	0.47	11	<10	290	<0.5	<2	4.34	13.0	5	21	81	1.11
CC75817		0.18	0.012	<0.2	0.86	18	<10	350	<0.5	<2	2.66	5.6	7	28	40	2.02
CC75818		0.30	0.004	0.3	1.08	20	<10	410	<0.5	<2	1.76	1.9	8	36	44	2.39
CC75819		0.10	0.004	0.2	0.93	25	<10	370	<0.5	<2	2.14	4.9	8	39	42	2.43
CC75820		0.08	0.003	0.2	0.62	12	<10	340	<0.5	<2	4.41	66.0	5	19	64	1.43
CC75821		0.10	0.006	0.2	0.77	21	<10	440	<0.5	<2	6.30	5.0	7	25	32	1.60
CC75822		0.22	0.005	0.3	0.94	18	<10	280	0.5	<2	6.64	11.3	7	20	50	1.75
CC75823		0.18	0.007	0.4	1.07	22	<10	300	<0.5	<2	4.06	7.1	7	27	47	2.03
CC75824		0.16	0.005	0.3	1.19	34	<10	460	<0.5	<2	2.32	3.9	9	32	49	2.49
CC75825		0.14	0.005	0.4	1.04	26	<10	430	<0.5	<2	3.01	3.2	7	32	41	2.16
CC75826		0.16	0.005	0.3	1.04	25	<10	550	<0.5	<2	3.00	5.1	7	26	44	1.97
CC75827		0.24	0.006	0.5	1.14	56	<10	530	0.5	2	4.07	4.9	8	31	46	2.35
CC75828		0.36	0.006	0.5	1.03	44	<10	460	<0.5	<2	4.81	4.8	8	27	63	2.35
CC75829		0.16	0.001	0.2	0.96	19	<10	550	<0.5	<2	3.88	2.4	9	29	61	2.09
CC75830		0.32	0.003	<0.2	1.19	11	<10	490	<0.5	<2	6.64	1.6	13	40	60	2.74
CC75831		0.16	0.001	<0.2	2.62	4	<10	390	<0.5	<2	1.79	<0.5	38	128	80	5.25
CC75832		0.20	<0.001	<0.2	2.51	3	<10	550	<0.5	<2	1.95	<0.5	35	121	74	4.82
CC75833		0.20	0.004	<0.2	2.05	26	<10	670	<0.5	<2	1.36	<0.5	10	54	44	4.98
CC75834		0.16	0.014	0.4	0.89	7	<10	370	<0.5	<2	2.58	1.2	7	19	39	1.81
CC75835		0.18	0.009	0.4	0.95	7	<10	260	<0.5	<2	2.84	1.6	9	27	65	1.94
CC75836		0.22	0.008	0.5	0.79	10	<10	200	<0.5	<2	2.29	1.0	10	14	68	2.30
CC75837		0.16	<0.001	<0.2	1.39	9	<10	190	<0.5	<2	0.86	0.9	12	25	50	2.56
CC75838		0.26	0.005	0.2	1.06	10	<10	190	<0.5	<2	1.28	1.2	10	22	77	2.40
CC75839		0.22	0.004	0.3	1.12	12	<10	320	<0.5	<2	1.54	1.6	9	25	68	2.46
CC75840		0.18	0.241	0.2	1.00	12	<10	270	<0.5	<2	1.58	2.0	8	27	46	2.25
CC75841		0.26	0.056	0.8	1.56	2	<10	440	<0.5	<2	0.41	2.8	23	18	88	4.87
CC75842		0.34	0.003	0.3	1.94	16	<10	300	0.6	<2	0.25	0.8	12	44	53	3.14
CC75843		0.36	0.002	0.8	1.32	19	<10	140	<0.5	<2	0.07	1.2	7	38	63	2.94
CC75844		0.14	<0.001	0.2	0.71	12	<10	420	<0.5	<2	5.84	8.2	8	27	44	1.60
CC75845		0.12	0.006	0.2	0.94	21	<10	590	<0.5	<2	3.14	5.9	11	31	40	2.10
CC75846		0.08	<0.001	0.2	0.71	13	<10	450	<0.5	<2	3.42	5.8	7	38	42	1.73
CC75847		0.14	<0.001	0.4	0.67	13	<10	470	<0.5	<2	3.67	3.0	7	23	37	1.47
CC75848		0.20	0.005	0.9	1.11	20	<10	620	<0.5	<2	3.22	7.0	12	42	60	2.23
CC75849		0.20	0.008	0.8	1.18	30	<10	1130	<0.5	<2	2.14	3.2	15	41	41	3.15
CC75850		0.14	<0.001	0.5	0.83	15	<10	330	<0.5	<2	3.59	15.5	10	26	44	1.84

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Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
Sample Description Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC75811	<10	<1	0.10	<10	1.84	600	3	0.02	395	820	17	0.11	3	2	197
CC75812	<10	1	0.10	<10	2.07	485	3	0.02	319	800	15	0.09	<2	1	184
CC75813	<10	1	0.10	<10	1.98	1925	4	0.02	261	790	17	0.15	2	1	176
CC75814	<10	1	0.10	10	2.09	577	4	0.02	218	910	19	0.09	3	2	136
CC75815	<10	1	0.11	10	1.23	783	5	0.02	180	880	21	0.12	3	2	102
CC75816	<10	1	0.06	10	0.68	437	4	0.03	129	790	11	0.20	2	1	147
CC75817	<10	1	0.10	10	0.83	277	6	0.02	82	1000	15	0.14	2	2	107
CC75818	<10	1	0.10	10	1.16	182	8	0.02	84	1440	25	0.05	4	2	58
CC75819	<10	1	0.11	10	0.72	229	10	0.02	66	1200	18	0.15	4	2	92
CC75820	<10	<1	0.09	10	0.70	246	3	0.02	284	920	13	0.25	4	1	142
CC75821	<10	1	0.09	10	1.61	535	4	0.02	254	940	16	0.09	2	1	77
CC75822	<10	1	0.10	10	1.93	819	5	0.02	761	1010	18	0.10	3	2	82
CC75823	<10	<1	0.12	10	1.88	372	4	0.02	382	920	22	0.07	4	2	63
CC75824	<10	1	0.12	10	1.07	522	5	0.02	66	1010	25	0.06	4	2	44
CC75825	<10	<1	0.12	10	1.29	400	4	0.02	44	970	26	0.07	3	2	48
CC75826	<10	1	0.12	10	0.71	608	5	0.03	43	880	21	0.12	5	2	60
CC75827	<10	<1	0.13	10	2.21	419	8	0.02	50	1110	31	0.05	9	2	45
CC75828	<10	<1	0.10	10	2.93	480	6	0.02	48	1250	30	0.04	6	2	39
CC75829	<10	1	0.11	10	1.42	382	4	0.02	49	1020	17	0.13	3	2	70
CC75830	<10	<1	0.19	10	4.22	613	6	0.02	68	1370	17	0.04	3	3	73
CC75831	10	<1	0.08	10	2.46	880	4	0.02	175	1110	7	0.09	<2	8	74
CC75832	10	<1	0.13	10	2.30	761	3	0.02	147	1100	6	0.10	<2	8	86
CC75833	10	1	0.16	30	1.53	246	8	0.05	57	1680	16	0.44	3	3	212
CC75834	<10	1	0.13	10	0.67	432	7	0.02	44	680	8	0.12	2	1	95
CC75835	<10	1	0.11	10	0.86	681	4	0.02	40	1120	12	0.16	2	1	88
CC75836	<10	1	0.16	10	0.47	969	5	0.02	35	1290	11	0.09	2	1	68
CC75837	<10	1	0.12	10	0.90	951	4	0.02	27	910	11	0.03	<2	2	32
CC75838	<10	1	0.15	10	0.94	1005	5	0.01	30	1170	12	0.05	<2	1	43
CC75839	<10	1	0.09	10	0.74	627	5	0.02	42	990	15	0.06	2	2	47
CC75840	<10	1	0.10	10	0.75	431	6	0.01	37	1100	13	0.09	<2	2	51
CC75841	<10	1	0.23	40	0.86	2070	12	0.01	65	1630	22	0.18	2	1	122
CC75842	10	1	0.08	20	0.91	436	7	0.01	62	550	18	0.03	2	4	20
CC75843	10	1	0.07	10	0.52	204	28	0.01	99	430	13	0.02	5	2	10
CC75844	<10	<1	0.08	10	1.04	468	3	0.02	153	760	14	0.12	2	1	128
CC75845	<10	1	0.10	10	1.09	466	4	0.02	171	830	18	0.10	2	2	91
CC75846	<10	1	0.08	10	0.61	360	4	0.02	102	650	17	0.14	3	2	131
CC75847	<10	<1	0.12	<10	0.54	354	4	0.01	66	700	15	0.12	<2	1	149
CC75848	<10	<1	0.13	10	0.78	801	4	0.01	130	1120	18	0.11	2	2	136
CC75849	<10	1	0.14	10	1.14	247	9	0.01	125	1070	19	0.05	<2	3	80
CC75850	<10	<1	0.09	10	0.74	337	4	0.02	140	800	17	0.13	5	2	118

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10078944

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC75811		<20	0.02	<10	<10	40	<10	3850
CC75812		<20	0.02	<10	10	38	<10	3250
CC75813		<20	0.02	<10	10	34	<10	2640
CC75814		<20	0.03	<10	<10	49	<10	2350
CC75815		<20	0.03	<10	<10	57	<10	1860
CC75816		<20	0.02	<10	<10	28	<10	1050
CC75817		<20	0.03	<10	<10	51	<10	629
CC75818		<20	0.04	<10	<10	63	<10	669
CC75819		<20	0.03	<10	<10	63	<10	430
CC75820		<20	0.02	<10	10	32	<10	2880
CC75821		<20	0.02	<10	<10	48	<10	2790
CC75822		<20	0.02	<10	<10	46	<10	5960
CC75823		<20	0.03	<10	<10	56	<10	3860
CC75824		<20	0.03	<10	<10	71	<10	506
CC75825		<20	0.03	<10	<10	57	<10	334
CC75826		<20	0.02	<10	<10	56	<10	341
CC75827		<20	0.03	<10	<10	72	<10	413
CC75828		<20	0.02	<10	<10	61	<10	257
CC75829		<20	0.03	<10	<10	55	<10	193
CC75830		<20	0.05	<10	<10	63	<10	216
CC75831		<20	0.08	<10	<10	81	<10	174
CC75832		<20	0.13	<10	<10	82	<10	185
CC75833		<20	0.06	<10	<10	54	<10	169
CC75834		<20	0.02	<10	<10	59	<10	204
CC75835		<20	0.03	<10	<10	50	<10	170
CC75836		<20	0.02	<10	<10	40	<10	114
CC75837		<20	0.04	<10	<10	41	<10	81
CC75838		<20	0.03	<10	<10	42	<10	110
CC75839		<20	0.03	<10	<10	58	<10	139
CC75840		<20	0.03	<10	<10	52	<10	179
CC75841		<20	0.04	<10	<10	38	<10	226
CC75842		<20	0.05	<10	<10	93	<10	184
CC75843		<20	0.05	<10	<10	110	<10	606
CC75844		<20	0.02	<10	<10	40	<10	1335
CC75845		<20	0.03	<10	<10	77	<10	1540
CC75846		<20	0.03	<10	10	57	<10	814
CC75847		<20	0.02	<10	10	64	<10	405
CC75848		<20	0.03	<10	10	97	<10	937
CC75849		<20	0.04	<10	<10	136	<10	759
CC75850		<20	0.03	<10	10	49	<10	1825

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10078944

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC75851		0.10	0.015	0.5	0.94	22	<10	350	<0.5	<2	3.13	7.9	10	38	52	1.98
CC75852		0.22	0.008	0.8	1.09	24	<10	420	<0.5	<2	1.99	11.9	12	34	62	2.40
CC75853		0.06	0.018	0.4	0.58	10	<10	370	<0.5	<2	4.46	22.5	6	14	53	1.15
CC75854		0.16	0.019	0.6	1.00	21	<10	290	<0.5	<2	5.86	9.7	7	28	51	1.80
CC75855		0.14	0.004	0.6	1.14	27	<10	500	0.5	<2	3.61	9.0	18	30	50	2.03
CC75856		0.14	0.004	0.5	1.20	29	<10	480	<0.5	<2	3.33	2.9	10	26	44	2.33
CC75857		0.14	0.002	0.5	0.87	22	<10	430	<0.5	<2	8.6	4.0	9	27	35	1.81
CC75858		0.08	0.024	0.4	1.02	24	<10	520	<0.5	<2	3.95	1.9	8	23	39	2.14
CC75859		0.12	0.004	0.6	1.11	25	<10	410	<0.5	<2	5.30	2.3	8	33	45	2.24
CC75860		0.06	<0.001	0.5	0.76	11	<10	450	<0.5	<2	4.16	2.0	7	22	45	1.64
CC75861		0.06	0.007	0.2	0.35	8	<10	310	<0.5	<2	4.66	2.9	3	15	33	0.78
CC75862		0.10	NSS	0.3	0.35	3	<10	300	<0.5	<2	4.19	1.4	3	9	33	0.71
CC75863		0.12	0.007	0.5	0.79	9	<10	290	<0.5	<2	3.66	2.1	6	33	58	1.56
CC75864		0.16	0.006	0.5	0.68	9	<10	250	<0.5	<2	2.87	2.0	5	27	39	1.39
CC75865		0.12	0.010	0.4	0.43	8	<10	660	<0.5	<2	4.74	1.6	3	9	21	0.98
CC75866		0.14	NSS	0.4	0.16	<2	<10	150	<0.5	<2	5.18	1.0	1	8	21	0.23
CC75867		0.12	NSS	0.3	0.15	2	<10	110	<0.5	<2	5.64	2.7	1	2	23	0.29
CC75868		0.10	0.003	0.5	0.55	<2	<10	150	<0.5	<2	3.36	2.0	3	18	46	0.94
CC75869		0.16	0.004	0.3	0.74	9	<10	180	<0.5	<2	2.42	0.8	6	13	33	1.37
CC75870		0.10	<0.001	0.6	0.50	2	<10	100	<0.5	<2	3.74	1.3	2	15	58	0.73
CC75871		0.18	0.002	0.9	1.96	7	<10	250	<0.5	<2	1.04	1.0	12	46	71	2.89
CC75872		0.14	<0.001	0.2	0.22	2	<10	150	<0.5	<2	2.62	3.9	2	6	32	0.34
CC75873		0.26	0.002	0.4	1.63	7	<10	300	<0.5	<2	0.82	4.2	14	50	83	2.41
CC75874		0.12	<0.001	1.0	0.14	2	<10	220	<0.5	<2	3.91	19.4	1	7	21	0.19
CC75877		0.16	0.004	0.6	0.77	18	<10	520	<0.5	<2	3.24	5.5	12	24	56	2.19
CC75878		0.18	<0.001	0.6	0.72	15	<10	380	<0.5	<2	3.46	7.1	11	22	54	1.73
CC75879		0.16	0.005	0.6	0.82	17	<10	480	<0.5	<2	3.30	8.3	12	34	62	2.11
CC75880		0.24	0.004	0.6	0.91	20	<10	530	<0.5	<2	4.29	9.3	12	31	53	2.02
CC75881		0.12	0.007	0.7	0.89	20	<10	490	<0.5	<2	3.69	9.9	11	27	47	1.95
CC75882		0.34	0.026	0.9	1.11	28	<10	840	<0.5	<2	9.4	8.4	12	37	57	2.48
CC75883		0.34	0.005	0.6	1.20	28	<10	740	<0.5	<2	7.1	11.5	14	35	55	2.63
CC75884		0.20	0.002	0.7	1.04	20	<10	450	<0.5	<2	8.4	15.7	16	31	60	2.16
CC75885		0.16	<0.001	0.2	0.83	14	<10	340	<0.5	<2	10.8	12.0	30	19	41	1.73
CC75886		0.30	0.006	0.2	0.85	12	<10	350	<0.5	2	12.7	7.5	16	21	35	1.82
CC75887		0.18	<0.001	0.2	0.89	12	<10	350	<0.5	<2	7.7	10.0	12	22	40	1.98
CC75888		0.18	0.004	0.4	0.81	16	<10	350	<0.5	<2	5.51	5.4	11	26	35	1.96
CC75889		0.20	0.006	0.4	1.04	18	<10	420	<0.5	<2	4.14	5.3	11	27	54	2.39
CC75890		0.18	0.001	0.3	0.93	12	<10	330	<0.5	<2	3.74	4.9	8	28	42	2.05
CC75891		0.16	0.001	0.4	1.01	13	<10	360	<0.5	<2	3.32	2.6	10	30	50	2.21
CC75892		0.18	0.003	0.4	0.86	8	<10	340	<0.5	<2	3.95	3.6	9	26	40	1.94

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 3-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078944

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC75851		<10	<1	0.10	10	0.95	299	4	0.01	137	1000	16	0.10	2	2	106
CC75852		<10	<1	0.10	10	0.79	678	6	0.01	215	1100	20	0.06	4	2	61
CC75853		<10	<1	0.09	<10	0.67	439	2	0.02	240	900	10	0.15	3	1	89
CC75854		<10	1	0.13	<10	1.43	425	2	0.01	337	990	19	0.08	2	2	95
CC75855		<10	<1	0.13	10	1.45	2270	6	0.01	350	1020	18	0.06	6	2	62
CC75856		<10	<1	0.16	10	1.24	704	4	0.02	82	950	21	0.06	3	2	55
CC75857		<10	<1	0.11	10	2.67	522	4	0.02	218	940	23	0.04	3	2	85
CC75858		<10	<1	0.12	10	1.42	451	4	0.02	56	980	21	0.07	<2	2	66
CC75859		<10	<1	0.15	10	3.18	197	4	0.02	123	1150	26	0.02	<2	3	52
CC75860		<10	1	0.09	<10	0.87	410	2	0.02	41	970	12	0.14	<2	1	97
CC75861		<10	<1	0.05	<10	0.58	133	2	0.02	27	750	7	0.16	<2	1	106
CC75862		<10	1	0.04	<10	0.58	133	1	0.02	25	720	6	0.16	3	<1	96
CC75863		<10	<1	0.11	<10	1.00	360	1	0.02	46	1020	11	0.27	<2	1	121
CC75864		<10	<1	0.09	10	0.66	356	3	0.01	30	740	10	0.14	3	1	101
CC75865		<10	<1	0.06	<10	1.14	283	2	0.01	15	1050	11	0.11	<2	<1	93
CC75866		<10	1	0.02	<10	0.20	141	2	0.02	6	660	3	0.15	<2	<1	178
CC75867		<10	1	0.03	<10	0.22	171	5	0.02	7	730	3	0.14	<2	<1	156
CC75868		<10	1	0.10	<10	0.40	340	4	0.02	18	920	5	0.12	<2	1	94
CC75869		<10	<1	0.12	<10	0.60	477	5	0.02	15	820	10	0.07	<2	1	83
CC75870		<10	<1	0.06	<10	0.48	309	4	0.02	21	960	4	0.14	<2	<1	113
CC75871		10	<1	0.14	10	1.41	581	11	0.01	43	880	9	0.02	<2	3	55
CC75872		<10	<1	0.05	<10	0.18	138	57	0.02	31	810	2	0.16	<2	<1	114
CC75873		10	<1	0.10	10	1.34	537	12	0.01	55	1310	10	0.03	<2	3	55
CC75874		<10	<1	0.05	<10	0.09	76	22	0.01	10	870	<2	0.17	<2	<1	160
CC75877		<10	<1	0.08	10	1.08	687	5	0.01	144	910	20	0.05	<2	2	88
CC75878		<10	<1	0.07	<10	0.53	629	3	0.02	148	780	18	0.11	2	1	99
CC75879		<10	<1	0.08	10	0.68	683	3	0.02	184	800	22	0.09	5	2	95
CC75880		<10	<1	0.09	10	1.11	588	5	0.01	182	920	21	0.10	5	2	130
CC75881		<10	<1	0.09	10	0.99	829	4	0.01	180	950	16	0.09	4	2	107
CC75882		<10	<1	0.14	10	2.93	594	9	0.01	282	1210	34	0.03	5	3	115
CC75883		<10	1	0.13	10	2.50	608	9	0.01	239	1270	19	0.04	5	3	97
CC75884		<10	<1	0.10	10	1.77	1295	4	0.01	331	1030	19	0.07	4	2	116
CC75885		<10	<1	0.09	10	1.42	2490	4	0.01	543	880	15	0.12	<2	2	165
CC75886		<10	1	0.08	10	2.17	1720	3	0.01	369	860	16	0.09	<2	2	170
CC75887		<10	1	0.09	10	2.47	818	2	0.01	176	870	20	0.07	<2	2	89
CC75888		<10	1	0.09	10	3.07	503	3	0.01	118	960	19	0.07	<2	2	70
CC75889		<10	<1	0.11	10	2.39	595	5	0.01	69	1040	22	0.07	<2	2	64
CC75890		<10	<1	0.09	10	2.12	358	3	0.01	54	990	18	0.07	<2	2	67
CC75891		<10	1	0.10	10	1.46	531	2	0.01	56	1040	20	0.11	<2	2	80
CC75892		<10	<1	0.10	10	2.04	1145	5	0.01	52	1000	14	0.10	<2	2	85

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CERTIFICATE OF ANALYSIS VA10078944

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC75851		<20	0.03	<10	<10	62	<10	1480
CC75852		<20	0.03	<10	10	64	<10	2000
CC75853		<20	0.02	<10	10	30	<10	2700
CC75854		<20	0.03	<10	<10	48	<10	4200
CC75855		<20	0.03	<10	<10	55	<10	3650
CC75856		<20	0.03	<10	<10	57	<10	945
CC75857		<20	0.03	<10	<10	50	<10	3410
CC75858		<20	0.02	<10	<10	50	<10	473
CC75859		<20	0.03	<10	<10	57	<10	1615
CC75860		<20	0.02	<10	<10	39	<10	158
CC75861		<20	0.01	<10	<10	14	<10	151
CC75862		<20	0.01	<10	<10	18	<10	56
CC75863		<20	0.02	<10	<10	42	<10	197
CC75864		<20	0.02	<10	<10	40	<10	121
CC75865		<20	0.01	<10	<10	25	<10	157
CC75866		<20	<0.01	<10	<10	3	<10	42
CC75867		<20	<0.01	<10	<10	4	<10	114
CC75868		<20	0.01	<10	<10	23	<10	106
CC75869		<20	0.02	<10	<10	38	<10	109
CC75870		<20	0.01	<10	<10	18	<10	62
CC75871		<20	0.05	<10	<10	55	<10	150
CC75872		<20	0.01	<10	<10	7	<10	65
CC75873		<20	0.06	<10	<10	89	<10	309
CC75874		<20	<0.01	<10	10	10	<10	54
CC75877		<20	0.03	<10	<10	61	<10	1320
CC75878		<20	0.02	<10	10	54	<10	1425
CC75879		<20	0.03	<10	10	63	<10	1800
CC75880		<20	0.03	<10	<10	65	<10	1795
CC75881		<20	0.03	<10	<10	62	<10	2050
CC75882		<20	0.05	<10	<10	88	<10	2450
CC75883		<20	0.04	<10	<10	94	<10	2620
CC75884		<20	0.03	<10	<10	59	<10	3370
CC75885		<20	0.02	<10	10	36	10	6160
CC75886		<20	0.02	<10	<10	41	10	4340
CC75887		<20	0.03	<10	<10	45	10	2390
CC75888		<20	0.02	<10	<10	45	<10	1665
CC75889		<20	0.03	<10	<10	59	<10	536
CC75890		<20	0.03	<10	<10	51	<10	368
CC75891		<20	0.03	<10	<10	59	<10	315
CC75892		<20	0.03	<10	<10	48	<10	311

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
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Project: RAU

CERTIFICATE OF ANALYSIS VA10078944

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC75893		0.22	0.002	0.4	0.92	9	<10	340	<0.5	<2	1.84	1.9	8	25	37	2.02
CC75894		0.20	0.009	0.3	0.74	11	<10	520	<0.5	<2	6.08	1.8	7	22	42	1.70
CC75895		0.28	0.006	0.2	0.77	16	<10	620	<0.5	<2	7.4	2.0	6	19	38	1.79
CC75896		0.20	0.004	0.4	0.90	21	<10	420	<0.5	<2	5.25	1.1	8	24	31	2.13
CC75897		0.32	0.007	0.5	1.03	32	<10	480	<0.5	2	3.42	1.1	8	24	32	2.65
CC75898		0.24	0.004	0.3	0.85	19	<10	440	<0.5	<2	3.67	1.0	8	22	32	2.21
CC75899		0.16	0.007	0.2	1.10	16	<10	590	<0.5	<2	3.58	1.3	19	49	50	2.91
CC75900		0.50	0.007	0.4	0.87	16	<10	820	<0.5	<2	7.4	1.7	7	19	44	2.10
CC75901		0.16	0.009	0.4	0.90	9	<10	200	<0.5	<2	1.52	0.7	11	14	55	2.95
CC75902		0.30	0.005	0.2	0.96	9	<10	120	<0.5	2	0.65	0.9	16	14	66	4.31
CC75903		0.24	0.004	0.3	0.72	4	<10	130	<0.5	<2	1.79	1.5	10	12	76	2.35
CC75904		0.24	0.027	1.2	1.02	18	<10	220	<0.5	<2	1.49	1.2	10	21	78	2.88
CC75905		0.28	<0.001	0.4	1.26	14	<10	170	<0.5	<2	0.93	1.2	12	22	93	3.03
CC75906		0.26	0.007	0.7	0.84	8	<10	150	<0.5	<2	2.12	1.4	9	17	57	2.12
CC75907		0.38	0.005	0.6	1.76	<2	<10	130	<0.5	<2	0.30	0.6	23	23	84	5.43
CC75908		0.20	0.005	0.4	1.44	4	<10	210	<0.5	<2	1.32	1.4	17	48	109	2.63
CC75909		0.18	0.002	2.1	0.94	11	<10	500	<0.5	<2	6.29	12.1	6	31	91	1.38
CC75910		0.18	0.001	0.5	0.79	11	<10	370	<0.5	<2	8.2	12.2	11	23	51	1.90
CC75911		0.20	0.007	0.2	0.58	10	<10	310	<0.5	<2	13.7	15.4	9	15	36	1.36
CC75912		0.16	0.003	0.2	0.63	6	<10	260	<0.5	2	13.5	16.6	11	18	38	1.34
CC75913		0.14	0.002	0.4	0.64	12	<10	260	<0.5	<2	11.7	16.3	11	18	34	1.34
CC75914		0.14	0.002	0.3	0.62	10	<10	280	<0.5	<2	10.7	13.9	11	20	41	1.35
CC75915		0.16	0.003	0.3	1.00	20	<10	350	<0.5	<2	7.7	5.8	12	25	46	2.26
CC75916		0.26	0.002	0.3	0.69	12	<10	320	<0.5	<2	10.7	6.3	9	21	43	1.56
CC75917		0.26	0.002	0.2	0.79	10	<10	340	<0.5	<2	6.74	9.8	10	21	39	1.89
CC75918		0.28	0.004	0.3	0.98	15	<10	390	<0.5	<2	3.84	5.2	10	27	45	2.09
CC75919		0.24	0.005	0.2	0.88	16	<10	350	<0.5	<2	5.28	9.5	11	23	40	1.99
CC75920		0.14	<0.001	<0.2	0.76	48	<10	480	<0.5	2	5.23	4.5	32	23	30	4.98
CC75921		0.12	0.004	0.5	0.72	18	<10	320	<0.5	<2	3.98	6.0	11	21	68	1.95
CC75922		0.16	0.004	0.3	0.76	13	<10	410	<0.5	2	4.48	7.6	8	22	51	1.67
CC75923		0.16	0.002	0.5	0.92	13	<10	430	<0.5	2	4.54	16.9	8	19	43	1.86
CC75924		0.28	0.001	0.4	0.83	19	<10	450	<0.5	<2	6.30	15.8	8	19	34	1.79
CC75925		0.16	0.001	0.3	0.79	17	<10	480	<0.5	<2	4.72	27.6	7	20	27	1.56
CC75926		0.36	0.005	0.5	1.03	21	<10	480	<0.5	<2	7.2	1.5	8	20	45	2.01
CC75927		0.36	0.003	0.4	1.02	25	<10	460	<0.5	<2	5.66	1.6	8	22	40	2.18
CC75928		0.14	0.001	0.4	0.99	16	<10	430	<0.5	<2	4.12	1.4	7	29	36	2.04
CC75929		0.22	<0.001	0.4	1.04	22	<10	520	<0.5	<2	2.40	1.1	8	30	33	2.32
CC75930		0.20	0.005	0.6	1.22	21	<10	710	<0.5	<2	2.57	2.2	11	39	55	2.74
CC75931		0.08	0.005	0.4	1.93	11	<10	490	<0.5	<2	2.02	1.3	21	77	53	3.51
CC75932		0.10	0.003	0.6	1.40	12	<10	480	<0.5	<2	2.16	2.0	14	50	56	2.87

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Project: RAU

CERTIFICATE OF ANALYSIS VA10078944

Sample Description	Method Analyte Units LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
CC75893		<10	<1	0.08	10	1.16	352	3	0.01	39	1130	15	0.05	<2	2	39
CC75894		<10	1	0.10	10	3.49	702	4	0.02	33	950	19	0.07	<2	1	67
CC75895		<10	1	0.13	10	4.72	400	5	0.01	27	980	20	0.03	<2	2	57
CC75896		<10	1	0.10	10	3.05	485	4	0.01	27	1110	22	0.03	<2	2	48
CC75897		<10	<1	0.07	10	2.13	471	4	0.01	36	1190	37	0.03	<2	2	40
CC75898		<10	1	0.08	10	1.86	476	4	0.01	30	1040	25	0.04	<2	2	55
CC75899		<10	1	0.07	10	2.12	527	6	0.01	82	1200	15	0.05	<2	3	61
CC75900		<10	1	0.13	10	4.86	479	7	0.01	39	1030	23	0.02	<2	2	59
CC75901		<10	<1	0.09	10	0.58	561	7	0.01	31	1120	16	0.07	<2	1	66
CC75902		<10	<1	0.20	20	0.74	382	8	<0.01	51	1650	15	0.06	<2	2	46
CC75903		<10	<1	0.11	10	0.47	911	6	0.01	32	1370	12	0.09	<2	1	75
CC75904		<10	1	0.15	10	0.77	822	9	0.01	40	1260	16	0.07	2	1	57
CC75905		<10	<1	0.18	10	0.96	764	9	<0.01	45	1750	16	0.03	<2	2	42
CC75906		<10	1	0.13	10	0.70	642	6	<0.01	28	1010	12	0.05	<2	1	69
CC75907		<10	1	0.35	30	1.41	329	12	<0.01	56	1670	21	0.05	<2	2	33
CC75908		<10	1	0.19	10	1.61	741	11	0.01	99	1580	9	0.08	<2	3	81
CC75909		<10	1	0.09	10	0.86	260	8	0.01	114	1290	9	0.17	4	1	219
CC75910		<10	1	0.07	10	1.22	573	3	0.01	282	950	19	0.09	<2	1	129
CC75911		<10	1	0.06	10	1.43	517	3	0.01	258	820	12	0.10	<2	1	193
CC75912		<10	<1	0.07	<10	1.26	759	3	0.01	386	780	14	0.11	<2	1	195
CC75913		<10	1	0.07	10	1.25	836	3	0.01	450	830	14	0.11	<2	1	167
CC75914		<10	<1	0.07	10	1.40	779	3	0.02	398	860	15	0.11	<2	1	154
CC75915		<10	<1	0.10	10	2.44	683	4	0.01	279	1030	23	0.06	<2	2	93
CC75916		<10	<1	0.07	10	2.33	655	4	0.01	312	970	14	0.09	<2	1	132
CC75917		<10	<1	0.07	10	2.66	733	3	0.01	146	970	18	0.06	<2	2	79
CC75918		<10	1	0.10	10	2.01	528	3	0.01	84	990	18	0.08	<2	2	64
CC75919		<10	<1	0.09	10	3.01	635	3	0.01	115	1010	19	0.06	<2	2	68
CC75920		<10	<1	0.09	10	1.44	2900	11	0.01	255	980	14	0.15	<2	1	125
CC75921		<10	1	0.09	10	1.09	1225	5	0.02	91	910	20	0.15	2	1	110
CC75922		<10	<1	0.08	10	2.12	620	4	0.01	76	910	11	0.09	<2	1	63
CC75923		<10	1	0.12	10	1.99	492	3	0.01	85	910	13	0.09	<2	2	69
CC75924		<10	<1	0.11	10	3.32	778	4	0.01	77	880	14	0.05	<2	2	69
CC75925		<10	<1	0.12	10	2.02	615	4	0.01	84	930	13	0.10	2	1	71
CC75926		<10	<1	0.15	10	4.07	513	3	0.01	32	1040	20	0.03	<2	2	65
CC75927		<10	1	0.12	10	3.48	495	4	0.01	37	1030	20	0.03	2	2	51
CC75928		<10	<1	0.10	10	2.36	384	4	0.01	32	960	13	0.05	<2	2	47
CC75929		<10	<1	0.06	10	1.22	408	3	0.01	39	900	12	0.05	<2	2	48
CC75930		<10	1	0.08	10	1.17	596	4	0.01	51	850	17	0.06	<2	2	55
CC75931		10	<1	0.07	10	1.58	658	4	0.01	78	880	10	0.07	<2	5	60
CC75932		<10	<1	0.07	10	1.20	664	4	0.01	70	1020	12	0.08	<2	3	62

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 3-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078944

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC75893		<20	0.03	<10	<10	53	<10	256
CC75894		<20	0.02	<10	<10	54	<10	174
CC75895		<20	0.02	<10	<10	57	<10	199
CC75896		<20	0.02	<10	<10	55	<10	161
CC75897		<20	0.03	<10	<10	72	<10	202
CC75898		<20	0.03	<10	<10	52	<10	195
CC75899		<20	0.05	<10	<10	64	<10	192
CC75900		<20	0.03	<10	<10	63	<10	227
CC75901		<20	0.02	<10	<10	31	<10	106
CC75902		<20	0.03	<10	<10	29	<10	146
CC75903		<20	0.02	<10	<10	27	<10	89
CC75904		<20	0.02	<10	<10	54	<10	141
CC75905		<20	0.04	<10	<10	60	<10	175
CC75906		<20	0.02	<10	<10	36	<10	135
CC75907		<20	0.06	<10	<10	36	<10	136
CC75908		<20	0.07	<10	<10	74	<10	259
CC75909		<20	0.02	<10	<10	172	<10	810
CC75910		<20	0.02	<10	<10	46	10	2820
CC75911		<20	0.02	<10	10	34	10	3510
CC75912		<20	0.02	<10	10	33	10	5140
CC75913		<20	0.02	<10	10	34	10	5400
CC75914		<20	0.02	<10	10	34	10	4870
CC75915		<20	0.02	<10	<10	53	10	2800
CC75916		<20	0.02	<10	<10	40	10	3200
CC75917		<20	0.02	<10	<10	44	<10	2190
CC75918		<20	0.03	<10	<10	53	<10	898
CC75919		<20	0.03	<10	<10	47	<10	1555
CC75920		<20	0.02	<10	10	38	<10	2470
CC75921		<20	0.02	<10	<10	46	<10	701
CC75922		<20	0.02	<10	<10	45	<10	587
CC75923		<20	0.02	<10	<10	51	<10	1135
CC75924		<20	0.02	<10	<10	46	<10	1125
CC75925		<20	0.02	<10	<10	38	<10	1785
CC75926		<20	0.03	<10	<10	48	<10	182
CC75927		<20	0.03	<10	<10	55	<10	204
CC75928		<20	0.03	<10	<10	53	<10	161
CC75929		<20	0.03	<10	<10	59	<10	166
CC75930		<20	0.03	<10	<10	69	<10	209
CC75931		<20	0.07	<10	<10	81	<10	241
CC75932		<20	0.04	<10	<10	71	<10	248

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Project: RAU

Finalized Date: 3-JUL-2010
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CERTIFICATE OF ANALYSIS VA10078944

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC75933		0.38	0.002	0.5	0.82	22	<10	610	<0.5	<2	4.61	1.7	7	18	42	2.22
CC75934		0.32	0.003	0.5	0.75	27	<10	1240	<0.5	<2	4.40	1.8	8	19	39	2.08
CC75935		0.12	0.003	0.4	0.57	10	<10	750	<0.5	<2	4.62	3.0	5	10	51	1.23
CC75936		0.20	0.007	1.2	0.79	10	<10	150	<0.5	<2	1.92	1.7	10	19	56	2.65
CC75937		0.18	0.003	0.3	0.93	6	<10	130	<0.5	<2	2.45	0.8	7	18	53	1.83
CC75938		0.14	0.001	0.2	0.94	10	<10	140	<0.5	<2	2.08	0.7	10	22	53	2.09
CC75939		0.24	0.004	0.5	1.07	4	<10	150	<0.5	<2	1.55	<0.5	11	17	59	3.05
CC75940		0.32	0.004	0.7	1.51	6	<10	190	<0.5	<2	1.35	1.1	21	34	116	3.88
CC75941		0.16	0.001	0.6	1.04	3	<10	290	<0.5	<2	3.68	2.1	8	27	84	1.67
CC75942		0.20	0.002	0.5	0.89	14	<10	230	<0.5	<2	2.51	26.3	8	24	48	1.58
CC75948		0.22	0.001	<0.2	0.54	15	<10	280	<0.5	<2	19.4	14.3	7	14	36	1.07
CC75949		0.18	0.003	0.4	0.61	16	<10	350	<0.5	<2	6.60	7.5	15	16	56	2.43
CC75950		0.20	0.003	0.3	0.59	11	<10	330	<0.5	<2	5.59	3.9	9	16	40	1.73
CC75951		0.16	0.003	0.4	0.66	10	<10	340	<0.5	<2	5.21	5.9	11	20	47	1.63
CC75952		0.16	0.005	0.5	0.84	13	<10	320	<0.5	<2	4.50	7.9	12	22	51	1.93
CC75953		0.14	0.008	0.2	0.66	11	<10	340	<0.5	<2	8.3	7.4	8	24	39	1.42
CC75954		0.24	0.004	0.4	1.02	19	<10	400	<0.5	<2	5.64	8.7	11	23	42	1.94
CC75955		0.16	0.004	0.3	0.80	16	<10	450	<0.5	<2	6.30	11.1	13	21	35	1.70
CC75956		0.12	0.006	0.3	0.59	26	<10	530	<0.5	<2	5.82	9.5	10	13	38	1.35
CC75957		0.22	0.006	0.5	0.89	39	<10	480	<0.5	<2	4.62	10.4	17	20	38	1.75
CC75958		0.24	0.006	0.5	1.21	32	<10	540	0.5	<2	3.44	3.5	14	25	42	2.29
CC75959		0.28	0.004	0.4	1.31	25	<10	660	0.5	<2	4.33	1.5	10	32	43	2.65
CC75960		0.30	0.011	0.4	1.13	20	<10	380	<0.5	<2	8.0	1.2	7	21	43	2.10
CC75961		0.10	0.006	0.5	1.17	20	<10	570	<0.5	<2	2.24	0.8	9	30	31	2.31
CC75962		0.28	0.018	0.3	1.08	22	<10	500	<0.5	2	8.4	1.7	7	21	43	2.14
CC75963		0.16	0.001	0.3	0.86	17	<10	520	<0.5	<2	6.11	0.9	7	27	28	1.89
CC75964		0.12	0.008	0.3	0.86	15	<10	500	<0.5	<2	3.09	3.9	8	26	43	2.06
CC75965		0.16	NSS	0.2	0.61	18	<10	460	<0.5	<2	3.08	5.4	10	22	44	1.83
CC75966		0.14	NSS	0.3	0.48	9	<10	510	<0.5	<2	3.71	10.6	8	13	29	1.40
CC75967		0.14	0.003	0.2	0.63	10	<10	640	<0.5	<2	4.23	1.5	5	17	31	1.41
CC75968		0.14	0.006	0.4	1.03	17	<10	640	<0.5	<2	3.79	1.7	8	21	51	2.16
CC75969		0.26	0.001	<0.2	0.63	20	<10	910	<0.5	<2	4.86	4.5	8	17	34	1.92
CC75970		0.14	0.002	0.6	0.74	14	<10	770	<0.5	<2	2.97	2.1	6	18	41	1.81
CC75971		0.30	<0.001	0.3	0.83	28	<10	1070	<0.5	<2	4.31	4.3	9	24	63	2.54
CC75972		0.10	0.004	0.2	0.84	12	<10	380	<0.5	<2	2.41	1.6	8	16	41	2.03
CC75973		0.16	0.006	1.2	0.81	26	<10	550	<0.5	<2	3.25	7.3	10	22	50	2.23
CC75974		0.30	0.003	0.3	0.54	26	<10	290	<0.5	<2	4.79	7.3	6	15	41	2.58
CC75975		0.16	0.005	0.4	0.40	16	<10	330	<0.5	<2	3.94	7.2	3	12	41	1.35
CC75978		0.24	0.005	0.4	1.07	18	<10	450	<0.5	<2	4.05	7.7	17	27	60	2.14
CC75979		0.20	0.007	0.4	0.96	11	<10	290	<0.5	<2	4.47	5.2	10	25	59	1.67

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
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Project: RAU

CERTIFICATE OF ANALYSIS VA10078944

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC75933		<10	<1	0.06	10	2.94	323	6	0.01	40	1090	19	0.03	<2	2	50
CC75934		<10	<1	0.06	10	2.71	441	5	0.01	42	1050	20	0.03	<2	2	47
CC75935		<10	1	0.04	10	0.59	514	3	0.02	23	930	5	0.13	<2	<1	112
CC75936		<10	<1	0.14	10	0.53	665	8	0.01	38	1870	10	0.04	<2	1	72
CC75937		<10	<1	0.10	10	0.77	591	5	0.01	22	800	5	0.07	<2	1	80
CC75938		<10	<1	0.13	10	0.76	881	4	0.01	22	850	6	0.08	<2	1	77
CC75939		<10	<1	0.11	20	0.89	394	5	0.01	32	1200	9	0.07	<2	1	64
CC75940		<10	1	0.34	10	1.48	775	17	<0.01	79	1910	13	0.11	<2	2	77
CC75941		<10	<1	0.04	<10	1.07	386	9	0.01	51	880	<2	0.18	<2	2	167
CC75942		<10	<1	0.08	10	0.82	332	19	0.01	138	770	7	0.08	4	1	94
CC75948		<10	1	0.05	<10	1.30	455	1	0.01	308	650	10	<0.01	<2	1	247
CC75949		<10	<1	0.06	<10	0.95	2310	5	0.01	412	950	10	0.17	2	1	119
CC75950		<10	<1	0.05	10	1.93	466	4	0.01	136	980	11	0.09	<2	1	86
CC75951		<10	<1	0.07	10	1.26	664	2	0.01	175	830	12	0.11	<2	1	96
CC75952		<10	1	0.09	10	1.53	762	3	0.01	200	920	14	0.13	<2	2	87
CC75953		<10	1	0.07	10	2.11	527	3	0.01	171	910	9	0.10	<2	1	117
CC75954		<10	<1	0.11	10	2.60	246	3	0.01	229	1010	15	0.07	<2	2	67
CC75955		<10	<1	0.10	10	2.38	1195	4	0.01	167	910	11	0.08	<2	1	83
CC75956		<10	<1	0.08	10	1.35	946	3	0.02	218	960	9	0.15	2	1	93
CC75957		<10	<1	0.11	10	1.47	1630	4	0.01	330	900	13	0.10	<2	1	66
CC75958		<10	<1	0.13	10	1.83	1075	4	0.01	185	1050	18	0.05	<2	2	43
CC75959		<10	<1	0.13	10	2.65	514	5	0.02	48	1090	18	0.02	3	3	48
CC75960		<10	1	0.17	10	4.43	489	3	0.01	31	1000	17	0.01	<2	3	69
CC75961		<10	<1	0.11	10	1.07	496	3	0.01	30	850	19	0.05	<2	2	36
CC75962		<10	<1	0.15	10	4.27	508	3	0.02	34	1040	24	0.03	<2	2	76
CC75963		<10	<1	0.11	10	3.31	425	3	0.02	28	1110	19	0.07	<2	2	57
CC75964		<10	<1	0.07	10	0.93	426	3	0.02	56	980	22	0.15	2	2	70
CC75965		<10	<1	0.07	10	1.25	698	4	0.02	59	1030	21	0.14	3	1	62
CC75966		<10	1	0.07	<10	0.72	728	4	0.02	38	1050	17	0.22	3	1	85
CC75967		<10	<1	0.10	10	1.37	368	3	0.02	18	1010	14	0.13	<2	1	76
CC75968		<10	1	0.17	10	1.99	544	4	0.03	32	1320	19	0.08	<2	2	63
CC75969		<10	<1	0.07	10	2.86	454	4	0.02	55	1270	24	0.07	3	2	53
CC75970		<10	1	0.09	10	0.75	294	4	0.02	35	1180	16	0.13	3	1	65
CC75971		<10	1	0.12	10	2.59	427	7	0.02	67	1400	29	0.06	4	2	55
CC75972		<10	1	0.10	10	0.76	493	3	0.03	43	860	19	0.11	2	2	48
CC75973		<10	<1	0.09	10	1.39	959	3	0.02	78	1230	35	0.14	5	2	59
CC75974		<10	1	0.09	10	2.24	672	14	0.02	54	870	24	0.09	5	1	68
CC75975		<10	1	0.07	10	0.84	365	21	0.02	59	790	18	0.13	4	<1	106
CC75978		<10	1	0.10	10	1.69	866	4	0.02	177	1020	20	0.14	3	2	73
CC75979		<10	1	0.10	10	1.40	393	2	0.02	188	990	20	0.18	2	2	87

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
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Project: RAU

Finalized Date: 3-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078944

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC75933		<20	0.03	<10	<10	59	<10	246
CC75934		<20	0.03	<10	<10	64	<10	219
CC75935		<20	0.01	<10	<10	23	<10	105
CC75936		<20	0.02	<10	<10	39	<10	177
CC75937		<20	0.02	<10	<10	43	<10	88
CC75938		<20	0.03	<10	<10	29	<10	72
CC75939		<20	0.03	<10	<10	31	<10	98
CC75940		<20	0.06	<10	<10	57	<10	170
CC75941		<20	0.05	<10	<10	63	<10	190
CC75942		<20	0.03	<10	<10	112	<10	1100
CC75948		<20	0.02	<10	10	30	10	4260
CC75949		<20	0.01	<10	10	30	<10	2520
CC75950		<20	0.02	<10	<10	37	<10	1075
CC75951		<20	0.02	<10	<10	36	<10	1560
CC75952		<20	0.02	<10	<10	44	<10	2200
CC75953		<20	0.02	<10	10	37	<10	1975
CC75954		<20	0.02	<10	<10	52	10	2500
CC75955		<20	0.02	<10	<10	44	<10	1830
CC75956		<20	0.01	<10	<10	32	<10	2810
CC75957		<20	0.02	<10	<10	39	10	4060
CC75958		<20	0.03	<10	<10	54	<10	1915
CC75959		<20	0.04	<10	<10	69	<10	214
CC75960		<20	0.04	<10	<10	49	<10	173
CC75961		<20	0.03	<10	<10	60	<10	170
CC75962		<20	0.03	<10	<10	54	<10	199
CC75963		<20	0.02	<10	<10	52	<10	177
CC75964		<20	0.02	<10	<10	48	<10	370
CC75965		<20	0.02	<10	<10	55	<10	385
CC75966		<20	0.01	<10	<10	31	<10	405
CC75967		<20	0.02	<10	<10	32	<10	163
CC75968		<20	0.03	<10	<10	60	<10	204
CC75969		<20	0.02	<10	<10	58	<10	389
CC75970		<20	0.02	<10	<10	65	<10	247
CC75971		<20	0.02	<10	<10	105	<10	400
CC75972		<20	0.02	<10	<10	39	<10	247
CC75973		<20	0.02	<10	<10	52	<10	521
CC75974		<20	0.01	<10	<10	66	<10	439
CC75975		<20	0.01	<10	<10	69	<10	298
CC75978		<20	0.03	<10	<10	60	<10	1375
CC75979		<20	0.02	<10	<10	45	<10	1720

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
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Project: RAU

CERTIFICATE OF ANALYSIS VA10078944

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC75980		0.18	0.005	0.3	1.03	15	<10	310	<0.5	<2	4.17	5.0	14	24	63	2.16
CC75981		0.28	0.003	<0.2	0.76	13	<10	440	<0.5	<2	4.92	5.6	10	20	36	1.88
CC75982		0.22	0.003	<0.2	0.76	15	<10	390	<0.5	<2	5.84	5.3	10	20	39	1.81
CC75983		0.20	0.005	0.4	1.08	19	<10	500	<0.5	<2	5.33	5.7	13	28	48	2.15
CC75984		0.34	0.007	0.3	0.98	19	<10	540	<0.5	<2	8.2	4.8	13	26	46	2.09
CC75985		0.24	0.006	0.3	1.03	21	<10	530	<0.5	<2	5.83	6.8	11	24	46	2.11
CC75986		0.34	0.005	0.3	1.06	21	<10	430	<0.5	2	8.1	12.2	14	24	46	1.97
CC75987		0.30	0.004	0.2	0.94	29	<10	570	<0.5	<2	8.4	10.7	14	22	43	1.94
CC75988		0.28	0.004	0.2	0.90	23	<10	530	<0.5	2	6.38	7.6	12	20	34	1.77
CC75989		0.22	0.003	<0.2	0.86	31	<10	750	<0.5	<2	7.6	6.5	15	24	31	1.82
CC75990		0.38	<0.001	0.3	1.45	31	<10	870	0.5	<2	3.75	2.3	11	36	52	2.79
CC75991		0.22	0.005	0.3	1.17	25	<10	630	0.5	<2	3.76	1.8	8	27	38	2.30
CC75992		0.16	0.003	0.2	1.01	19	<10	610	<0.5	<2	4.73	2.0	7	22	31	2.14
CC75993		0.24	0.003	0.4	0.80	13	<10	700	<0.5	<2	4.16	16.2	8	19	46	1.87
CC75994		0.14	0.004	0.3	0.81	16	<10	570	<0.5	<2	2.91	4.8	10	21	38	2.13
CC75995		0.14	0.008	0.3	0.83	12	<10	520	<0.5	<2	3.34	2.2	6	21	41	1.86
CC75996		0.24	0.064	0.2	0.66	15	<10	570	<0.5	<2	4.30	5.2	8	17	37	1.81
CC75997		0.18	0.003	0.2	0.62	16	<10	580	<0.5	<2	4.49	3.8	9	17	40	1.87
CC75998		0.16	0.005	0.5	1.30	25	<10	900	0.5	<2	2.57	2.8	10	29	60	2.82
CC75999		0.14	0.007	0.3	1.13	26	<10	550	<0.5	<2	2.15	2.9	8	24	37	2.38
CC76000		0.28	0.001	0.6	1.26	22	<10	580	<0.5	<2	3.31	1.0	12	27	54	2.82
CC76001		0.22	0.004	0.5	1.28	7	<10	480	<0.5	<2	0.73	0.5	15	20	59	3.77
CC76002		0.20	0.012	0.8	0.86	7	<10	220	<0.5	<2	2.74	1.5	10	15	63	2.43
CC76003		0.20	0.003	0.5	1.12	20	<10	1200	<0.5	<2	2.52	5.0	14	23	97	2.50
CC76004		0.26	<0.001	<0.2	1.70	14	<10	300	<0.5	<2	0.63	2.3	18	24	88	3.48
CC76005		0.12	0.004	0.7	0.87	2	<10	280	<0.5	<2	2.02	1.5	11	14	91	1.60
CC76006		0.12	0.005	0.5	0.81	14	<10	340	<0.5	<2	4.73	1.4	10	16	35	2.31
CC76007		0.12	0.003	0.6	0.81	29	<10	280	<0.5	<2	1.55	5.6	9	20	35	2.49
CC76008		0.22	0.002	1.3	0.69	75	<10	410	<0.5	<2	4.88	10.8	11	23	85	3.20
CC76009		0.22	0.003	0.8	0.90	23	<10	510	<0.5	<2	1.49	5.9	9	22	52	2.19
CC76010		0.32	<0.001	0.5	0.87	25	<10	230	<0.5	<2	3.84	4.5	10	19	35	2.48
CC76011		0.32	0.004	0.9	0.83	38	<10	220	<0.5	<2	3.98	3.6	11	22	50	2.96
CC76012		0.24	0.002	0.5	1.68	35	<10	320	0.6	<2	0.58	1.6	10	30	31	3.20
CC76013		0.26	0.002	<0.2	1.59	19	<10	210	<0.5	<2	0.12	0.7	7	26	10	3.14
CC76014		0.40	0.002	0.8	1.09	25	<10	320	<0.5	<2	2.17	2.2	12	24	47	3.00
CC76015		0.36	<0.001	0.4	1.49	22	<10	440	0.5	<2	0.29	2.8	11	27	34	3.36
CC76016		0.30	0.005	<0.2	0.85	11	<10	190	<0.5	<2	0.06	0.7	4	16	12	1.65
CC76017		0.36	0.004	0.6	1.04	26	<10	380	<0.5	<2	0.58	1.0	12	24	54	3.04
CC76018		0.50	0.004	0.6	1.05	16	<10	210	<0.5	<2	4.57	0.8	10	21	35	2.71
CC76019		0.38	0.010	0.4	1.04	19	<10	170	<0.5	<2	4.37	1.0	9	22	31	2.60

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	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC75980		<10	<1	0.11	10	1.24	787	3	0.02	180	890	18	0.13	3	1	80
CC75981		<10	<1	0.08	10	2.03	592	4	0.02	129	930	16	0.09	<2	1	78
CC75982		<10	<1	0.09	10	2.42	699	4	0.02	291	970	17	0.09	<2	1	93
CC75983		<10	<1	0.13	10	2.36	775	4	0.02	198	980	19	0.09	2	2	82
CC75984		<10	1	0.11	10	2.74	688	4	0.02	235	1060	21	0.09	4	2	106
CC75985		<10	<1	0.13	10	3.17	758	4	0.02	146	1000	21	0.06	2	2	62
CC75986		<10	<1	0.13	10	3.06	808	3	0.02	242	1000	21	0.11	3	2	97
CC75987		<10	<1	0.12	10	2.83	1250	4	0.02	283	1010	18	0.08	2	2	97
CC75988		<10	1	0.12	10	2.17	949	3	0.02	233	1000	16	0.10	3	2	77
CC75989		<10	1	0.10	10	1.98	1785	4	0.02	230	980	17	0.10	2	1	93
CC75990		<10	<1	0.17	10	2.42	533	5	0.02	80	1190	26	0.04	3	3	43
CC75991		<10	<1	0.13	10	1.72	446	3	0.02	43	1040	23	0.07	2	2	48
CC75992		<10	1	0.13	10	2.45	574	2	0.02	35	1070	20	0.07	<2	2	52
CC75993		<10	1	0.08	10	1.41	674	2	0.02	90	900	22	0.12	2	2	63
CC75994		<10	1	0.08	10	0.67	769	2	0.02	56	770	23	0.17	3	1	57
CC75995		<10	1	0.08	10	0.87	289	2	0.02	44	1020	21	0.16	<2	1	69
CC75996		<10	<1	0.07	10	2.39	334	3	0.02	61	1210	26	0.08	2	2	56
CC75997		<10	<1	0.08	10	2.41	301	4	0.02	59	1260	20	0.09	2	1	61
CC75998		<10	1	0.09	10	1.21	588	4	0.03	52	1130	30	0.08	3	2	44
CC75999		<10	<1	0.07	10	0.75	512	4	0.02	40	850	19	0.08	3	2	52
CC76000		<10	<1	0.09	10	2.33	444	4	0.02	48	1050	31	0.03	2	3	36
CC76001		<10	<1	0.13	20	0.79	575	4	0.01	41	1080	16	0.08	3	3	56
CC76002		<10	<1	0.17	10	0.92	1080	6	0.01	38	1130	10	0.05	3	1	102
CC76003		<10	<1	0.19	10	1.55	1435	9	0.01	79	1470	12	0.07	4	2	66
CC76004		<10	<1	0.34	20	1.67	2780	5	<0.01	73	1370	12	0.01	<2	2	31
CC76005		<10	<1	0.12	10	0.77	677	2	0.01	45	1060	6	0.11	<2	1	90
CC76006		<10	<1	0.11	10	2.68	542	2	0.02	34	1090	23	0.06	2	2	72
CC76007		<10	<1	0.08	10	0.65	678	18	0.01	58	1200	20	0.07	5	1	53
CC76008		<10	<1	0.11	10	2.77	509	19	0.01	118	1230	40	0.05	12	3	81
CC76009		<10	<1	0.06	10	0.46	965	9	0.01	37	1290	25	0.10	6	2	45
CC76010		<10	<1	0.06	10	2.36	382	3	0.01	47	1020	28	0.04	5	2	46
CC76011		<10	<1	0.10	10	2.70	442	12	0.01	58	1380	52	0.04	12	2	48
CC76012		<10	<1	0.07	10	0.50	262	6	<0.01	46	590	41	0.02	6	3	23
CC76013		10	<1	0.05	10	0.30	172	6	<0.01	18	440	23	0.01	4	2	12
CC76014		<10	<1	0.06	10	1.54	532	6	0.01	47	1350	35	0.03	5	2	35
CC76015		<10	<1	0.07	10	0.40	437	6	<0.01	45	950	29	0.03	5	2	21
CC76016		10	<1	0.04	10	0.11	90	4	<0.01	15	310	17	0.01	2	<1	11
CC76017		<10	<1	0.06	10	0.56	465	6	0.01	62	1130	37	0.03	5	2	31
CC76018		<10	<1	0.06	10	3.30	621	2	0.01	30	810	27	0.02	3	3	40
CC76019		<10	<1	0.07	10	2.89	417	2	0.01	29	860	28	0.02	3	3	42

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10078944

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC75980		<20	0.02	<10	<10	44	<10	1445
CC75981		<20	0.02	<10	<10	46	<10	1230
CC75982		<20	0.02	<10	<10	47	<10	1590
CC75983		<20	0.03	<10	<10	66	<10	1505
CC75984		<20	0.03	<10	<10	58	<10	1430
CC75985		<20	0.03	<10	<10	61	<10	1280
CC75986		<20	0.03	<10	<10	58	<10	2510
CC75987		<20	0.03	<10	<10	56	<10	2840
CC75988		<20	0.02	<10	<10	47	<10	2840
CC75989		<20	0.02	<10	<10	46	<10	2750
CC75990		<20	0.04	<10	<10	78	<10	543
CC75991		<20	0.03	<10	<10	64	<10	238
CC75992		<20	0.03	<10	<10	54	<10	255
CC75993		<20	0.02	<10	<10	55	<10	790
CC75994		<20	0.02	<10	<10	50	<10	413
CC75995		<20	0.02	<10	<10	44	<10	302
CC75996		<20	0.02	<10	<10	53	<10	467
CC75997		<20	0.02	<10	<10	59	<10	415
CC75998		<20	0.03	<10	<10	74	<10	293
CC75999		<20	0.02	<10	<10	125	<10	200
CC76000		<20	0.04	<10	<10	59	<10	194
CC76001		<20	0.03	<10	<10	50	<10	142
CC76002		<20	0.02	<10	<10	50	<10	170
CC76003		<20	0.04	<10	<10	84	<10	344
CC76004		<20	0.06	<10	<10	52	<10	291
CC76005		<20	0.03	<10	<10	23	<10	146
CC76006		<20	0.02	<10	<10	36	<10	209
CC76007		<20	0.02	<10	<10	103	<10	407
CC76008		<20	0.01	<10	<10	117	<10	683
CC76009		<20	0.01	<10	<10	81	<10	270
CC76010		<20	0.02	<10	<10	43	<10	506
CC76011		<20	0.03	<10	<10	58	<10	289
CC76012		<20	0.02	<10	<10	68	<10	176
CC76013		<20	0.03	<10	<10	70	<10	118
CC76014		<20	0.03	<10	<10	50	<10	232
CC76015		<20	0.03	<10	<10	67	<10	231
CC76016		<20	0.03	<10	<10	54	<10	63
CC76017		<20	0.03	<10	<10	51	<10	199
CC76018		<20	0.02	<10	<10	38	<10	132
CC76019		<20	0.03	<10	<10	41	<10	133

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Project: RAU

Finalized Date: 3-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078944

Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
Sample Description LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC76020	0.34	0.002	0.3	1.43	18	<10	150	0.5	<2	3.76	0.6	10	24	26	2.99
CC76021	0.22	0.006	0.8	1.15	25	<10	280	0.5	<2	1.77	3.9	12	25	41	3.05
CC76022	0.20	0.003	0.3	1.29	12	<10	170	<0.5	<2	2.10	1.5	12	29	35	3.45
CC76023	0.22	0.002	0.3	1.30	19	<10	190	<0.5	<2	1.44	1.1	13	25	35	3.95
CC76024	0.26	0.004	<0.2	1.30	14	<10	110	<0.5	<2	1.22	0.9	13	21	31	4.12
CC76025	0.16	0.003	0.6	2.32	17	<10	540	<0.5	<2	0.65	<0.5	23	92	27	3.93
CC76026	0.32	0.006	0.2	1.81	19	<10	150	<0.5	<2	0.09	0.6	28	44	35	4.07
CC76027	0.30	0.003	0.3	2.02	12	<10	170	<0.5	<2	0.08	<0.5	13	45	23	3.83
CC76028	0.20	0.002	<0.2	1.48	8	<10	130	<0.5	<2	0.09	<0.5	8	20	18	2.93
CC76029	0.12	0.007	1.0	1.59	14	<10	250	<0.5	<2	0.41	1.1	11	23	41	3.46
CC76030	0.08	0.011	2.3	1.84	16	<10	580	0.5	<2	0.54	1.7	13	26	57	3.90
CC76031	0.16	0.009	4.9	1.39	15	<10	590	<0.5	<2	0.26	3.4	12	28	43	2.72
CC76032	0.18	0.007	5.0	1.15	30	<10	890	<0.5	<2	0.30	6.6	17	28	49	2.86
CC76033	0.18	0.008	2.6	1.09	22	<10	1140	<0.5	<2	0.48	7.4	9	30	68	2.59
CC76034	0.20	0.010	1.7	0.59	27	<10	1190	<0.5	<2	0.34	2.9	7	27	36	1.87
CC76035	0.22	<0.001	0.8	0.84	21	<10	400	<0.5	<2	0.59	5.8	8	25	43	2.36
CC76036	0.20	0.002	0.6	1.01	23	<10	500	<0.5	2	0.44	3.2	8	28	39	2.59
CC76037	0.10	0.004	0.8	1.12	17	<10	840	0.5	2	1.27	4.7	8	26	62	2.56
CC76038	0.18	<0.001	0.7	1.17	22	<10	640	0.5	<2	0.70	10.8	10	27	59	2.66
CC76039	0.14	<0.001	0.8	1.01	22	<10	760	<0.5	<2	1.03	14.5	8	26	77	2.27
CC76040	0.12	<0.001	0.5	0.85	25	<10	570	<0.5	<2	1.09	13.0	8	22	54	2.15
CC76041	0.12	<0.001	0.5	0.96	20	<10	480	0.5	<2	1.50	10.7	9	23	60	2.36
CC76042	0.20	<0.001	0.4	0.93	21	<10	300	<0.5	<2	0.85	4.1	8	22	43	2.48
CC76043	0.14	0.001	0.5	0.95	23	<10	310	<0.5	<2	1.59	4.1	7	24	65	2.36
CC76044	0.26	<0.001	0.6	0.99	34	<10	280	<0.5	<2	2.01	3.0	9	24	50	2.86
CC76045	0.30	<0.001	0.5	1.15	32	<10	500	<0.5	2	1.49	2.4	9	25	40	2.83
CC76046	0.44	0.002	0.4	1.15	36	<10	300	<0.5	<2	0.38	1.4	7	24	34	2.43
CC76047	0.32	0.003	0.6	1.34	23	<10	270	0.5	2	0.81	1.3	12	28	56	3.11
CC76048	0.24	0.004	0.3	1.46	19	<10	310	0.6	2	0.31	1.2	12	29	55	2.93
CC76049	0.30	<0.001	<0.2	2.04	17	<10	330	0.6	2	0.18	1.6	13	32	28	3.51
CC76050	0.30	<0.001	0.4	1.15	21	<10	300	<0.5	<2	4.01	1.8	10	28	50	3.11
CC76051	0.30	<0.001	0.4	1.12	25	<10	260	<0.5	2	3.14	1.6	9	24	40	2.85
CC76052	0.26	<0.001	0.4	1.05	28	<10	300	<0.5	<2	3.49	1.9	9	23	47	2.67
CC76053	0.30	<0.001	<0.2	0.94	11	<10	170	<0.5	<2	5.27	0.9	8	19	27	2.52
CC76054	0.28	<0.001	<0.2	1.24	17	<10	140	<0.5	<2	1.66	1.1	12	22	38	3.94
CC76055	0.16	<0.001	0.3	1.36	13	<10	180	0.5	<2	1.55	1.3	10	27	37	3.68
CC76056	0.26	<0.001	0.2	1.41	15	<10	180	0.5	<2	1.74	0.8	11	27	39	3.80
CC76057	0.16	<0.001	<0.2	1.20	12	<10	200	<0.5	<2	2.40	0.7	9	22	32	3.32
CC76058	0.18	<0.001	<0.2	1.59	14	<10	470	<0.5	<2	0.06	0.9	8	55	27	3.27
CC76059	0.36	<0.001	<0.2	2.21	13	<10	110	<0.5	<2	0.16	<0.5	17	31	39	4.43

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Project: RAU

Finalized Date: 3-JUL-2010
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CERTIFICATE OF ANALYSIS VA10078944

Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
Sample Description Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC76020	<10	<1	0.07	10	2.61	582	2	0.01	26	650	33	0.02	2	3	29
CC76021	<10	<1	0.07	10	0.63	1210	21	0.01	72	960	20	0.08	4	2	48
CC76022	<10	<1	0.08	10	1.02	523	1	0.01	36	730	15	0.08	2	2	37
CC76023	<10	<1	0.08	20	1.05	589	1	0.01	33	750	28	0.05	4	3	24
CC76024	<10	<1	0.08	20	1.01	652	<1	0.01	25	650	23	0.04	2	2	19
CC76025	10	<1	0.08	20	1.49	734	<1	0.01	61	1350	24	0.06	2	4	37
CC76026	<10	<1	0.08	20	0.73	968	1	<0.01	43	650	25	0.02	2	2	11
CC76027	10	<1	0.07	20	0.75	370	1	<0.01	30	680	27	0.02	2	2	10
CC76028	10	<1	0.08	30	0.46	405	<1	<0.01	17	600	15	0.02	<2	1	9
CC76029	10	<1	0.10	30	0.46	396	1	0.01	42	620	23	0.04	3	2	25
CC76030	<10	<1	0.12	20	0.58	790	3	0.01	46	1170	28	0.06	2	2	34
CC76031	<10	1	0.08	10	0.38	797	6	0.01	69	1370	19	0.07	5	2	27
CC76032	<10	<1	0.07	10	0.28	1410	11	0.01	35	1950	46	0.07	8	2	39
CC76033	<10	1	0.08	10	0.32	417	10	0.01	52	1740	31	0.06	9	2	56
CC76034	<10	<1	0.07	10	0.14	341	22	0.01	44	1850	22	0.05	11	1	58
CC76035	<10	1	0.07	10	0.41	237	8	0.01	46	1330	23	0.03	7	2	72
CC76036	<10	<1	0.08	10	0.39	493	13	0.02	47	1170	31	0.04	4	2	35
CC76037	<10	<1	0.07	10	0.48	655	8	0.02	55	1260	28	0.10	3	2	44
CC76038	<10	<1	0.07	10	0.43	1350	9	0.02	53	1200	29	0.06	3	2	34
CC76039	<10	<1	0.07	10	0.39	706	11	0.02	58	1190	27	0.09	3	2	47
CC76040	<10	<1	0.06	10	0.39	669	10	0.02	55	1050	25	0.07	3	2	43
CC76041	<10	<1	0.07	10	0.48	827	5	0.02	54	920	26	0.08	2	2	37
CC76042	<10	<1	0.06	10	0.43	536	7	0.02	38	1020	28	0.05	3	2	31
CC76043	<10	<1	0.08	10	0.73	210	6	0.02	58	1220	35	0.08	5	2	36
CC76044	<10	<1	0.09	10	1.31	429	10	0.02	55	1400	41	0.05	6	2	38
CC76045	<10	<1	0.08	10	0.91	421	9	0.02	50	1160	40	0.04	5	2	37
CC76046	<10	<1	0.06	10	0.39	196	8	0.02	39	1080	57	0.03	8	2	28
CC76047	<10	<1	0.07	20	0.74	576	8	0.02	56	1040	36	0.04	3	4	30
CC76048	<10	<1	0.06	20	0.52	451	7	0.02	57	970	31	0.03	4	4	27
CC76049	<10	<1	0.07	20	0.56	315	7	0.02	47	630	22	0.03	<2	3	17
CC76050	<10	<1	0.10	10	2.70	427	8	0.02	52	1220	27	0.05	<2	2	39
CC76051	<10	<1	0.08	10	1.96	487	5	0.02	39	930	40	0.04	2	3	34
CC76052	<10	<1	0.07	10	2.10	548	6	0.02	44	1010	37	0.04	3	2	37
CC76053	<10	<1	0.07	10	3.37	556	3	0.02	26	860	23	0.03	<2	3	40
CC76054	<10	<1	0.08	20	1.29	722	2	0.01	34	810	29	0.05	<2	2	23
CC76055	<10	<1	0.10	20	0.97	539	2	0.02	33	890	34	0.06	<2	3	27
CC76056	<10	<1	0.08	20	1.19	643	2	0.02	37	740	33	0.05	<2	3	25
CC76057	<10	<1	0.09	10	1.26	538	2	0.02	26	760	27	0.07	<2	2	38
CC76058	10	<1	0.08	30	0.54	372	2	0.02	29	790	42	0.05	<2	1	10
CC76059	<10	<1	0.07	40	0.90	368	1	0.01	42	450	17	0.01	<2	2	12

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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC76020		<20	0.02	<10	<10	47	<10	119
CC76021		<20	0.02	<10	<10	51	<10	261
CC76022		<20	0.02	<10	<10	30	<10	122
CC76023		<20	0.02	<10	<10	31	<10	160
CC76024		<20	0.02	<10	<10	25	<10	119
CC76025		<20	0.02	<10	<10	55	<10	150
CC76026		<20	0.02	<10	<10	35	<10	290
CC76027		<20	0.01	<10	<10	38	<10	186
CC76028		<20	0.01	<10	<10	30	<10	96
CC76029		<20	0.01	<10	<10	33	<10	189
CC76030		<20	0.01	<10	<10	44	<10	205
CC76031		<20	0.01	<10	<10	47	<10	479
CC76032		<20	0.01	<10	<10	90	<10	323
CC76033		<20	0.01	<10	<10	124	<10	458
CC76034		<20	0.01	<10	<10	208	<10	318
CC76035		<20	0.02	<10	<10	112	<10	360
CC76036		<20	0.02	<10	<10	98	<10	410
CC76037		<20	0.01	<10	<10	68	<10	427
CC76038		<20	0.01	<10	<10	79	<10	503
CC76039		<20	0.01	<10	<10	96	<10	486
CC76040		<20	0.01	<10	<10	84	<10	483
CC76041		<20	0.01	<10	<10	68	<10	396
CC76042		<20	0.01	<10	<10	66	<10	264
CC76043		<20	0.02	<10	<10	56	<10	261
CC76044		<20	0.02	<10	<10	64	<10	267
CC76045		<20	0.03	<10	<10	63	<10	251
CC76046		<20	0.02	<10	<10	63	<10	190
CC76047		<20	0.03	<10	<10	64	<10	200
CC76048		<20	0.03	<10	<10	60	<10	179
CC76049		<20	0.04	<10	<10	75	<10	233
CC76050		<20	0.03	<10	<10	55	<10	250
CC76051		<20	0.02	<10	<10	50	<10	175
CC76052		<20	0.02	<10	<10	49	<10	191
CC76053		<20	0.03	<10	<10	33	<10	115
CC76054		<20	0.02	<10	<10	30	<10	152
CC76055		<20	0.02	<10	<10	38	<10	180
CC76056		<20	0.02	<10	<10	37	<10	154
CC76057		<20	0.02	<10	<10	30	<10	137
CC76058		<20	0.02	<10	<10	52	<10	191
CC76059		<20	0.01	<10	<10	18	<10	132

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 3-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078944

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC76060		0.20	<0.001	<0.2	2.53	13	<10	150	<0.5	<2	0.16	<0.5	13	42	24	4.71
CC76061		0.28	<0.001	0.3	1.97	12	<10	150	<0.5	<2	0.11	<0.5	10	34	17	3.72
CC76062		0.32	<0.001	0.4	1.99	15	<10	170	<0.5	<2	0.08	<0.5	8	31	23	3.65
CC76063		0.28	<0.001	0.6	2.08	14	<10	270	<0.5	<2	0.66	1.4	13	27	31	3.86
CC76064		0.30	0.034	1.0	1.20	5	<10	460	<0.5	<2	0.58	1.6	9	18	30	2.63
CC76065		0.18	0.035	2.0	1.28	9	<10	450	<0.5	<2	0.41	1.5	9	23	35	2.80
CC76066		0.16	NSS	1.8	0.63	12	<10	1810	<0.5	<2	1.29	14.9	11	13	88	1.52
CC76067		0.08	<0.001	1.5	0.33	2	<10	1700	<0.5	<2	0.97	14.0	5	5	57	0.69
CC76068		0.24	<0.001	0.7	1.14	17	<10	550	<0.5	<2	0.55	7.2	7	29	36	2.05

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CERTIFICATE OF ANALYSIS VA10078944

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC76060		10	<1	0.10	10	0.93	541	2	0.02	38	560	20	0.03	<2	2	12
CC76061		10	<1	0.07	20	0.70	387	2	0.01	30	700	21	0.04	<2	2	10
CC76062		10	<1	0.07	20	0.63	323	2	0.01	29	610	21	0.03	<2	2	9
CC76063		<10	<1	0.09	20	0.70	602	2	0.02	41	710	23	0.06	<2	2	30
CC76064		<10	<1	0.07	10	0.41	488	3	0.02	27	760	18	0.09	<2	2	22
CC76065		<10	<1	0.09	20	0.40	507	4	0.02	31	1040	31	0.05	2	2	25
CC76066		<10	<1	0.05	10	0.19	1305	7	0.03	85	1810	25	0.18	5	1	66
CC76067		<10	<1	0.05	10	0.12	539	7	0.04	56	1060	6	0.16	3	1	53
CC76068		<10	1	0.08	10	0.44	174	8	0.02	52	1080	31	0.05	3	3	57

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Finalized Date: 3-JUL-2010
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CERTIFICATE OF ANALYSIS VA10078944

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC76060		<20	0.01	<10	<10	30	<10	169
CC76061		<20	0.01	<10	<10	29	<10	139
CC76062		<20	0.01	<10	<10	36	<10	147
CC76063		<20	0.01	<10	<10	31	<10	198
CC76064		<20	0.01	<10	<10	24	<10	127
CC76065		<20	0.01	<10	<10	49	<10	193
CC76066		<20	0.01	<10	<10	46	<10	469
CC76067		<20	<0.01	<10	<10	15	<10	318
CC76068		<20	0.02	<10	<10	122	<10	610

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 3-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078944

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non-sufficient sample.

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Finalized Date: 2-JUL-2010
Account: RCM

CERTIFICATE VA10078945

Project: RAU

P.O. No.: NOW

This report is for 234 Soil samples submitted to our lab in Vancouver, BC, Canada on 17-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-31	Pulverize split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
PUL-QC	Pulverizing QC Test
SCR-43	Screen to -500um, discard plus
SCR-01	Screen - Save plus fraction

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10078945

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC76070		0.14	0.004	0.2	0.62	14	<10	370	<0.5	2	2.29	4.2	4	18	48	1.33
CC76071		0.12	0.002	0.4	0.83	24	<10	390	<0.5	2	2.50	5.0	7	28	55	1.98
CC76072		0.22	0.005	0.4	1.15	30	<10	250	0.6	4	1.58	11.3	11	27	75	2.86
CC76074		0.12	0.002	<0.2	0.93	20	<10	480	0.5	2	1.39	8.5	8	21	66	1.97
CC76075		0.14	0.001	0.3	0.82	25	<10	360	<0.5	<2	1.54	6.4	8	28	48	2.01
CC76076		0.56	0.004	<0.2	0.92	27	<10	200	<0.5	3	4.46	2.2	10	21	47	2.66
CC76077		0.14	<0.001	0.4	0.61	28	<10	440	<0.5	<2	2.22	2.2	8	16	32	2.11
CC76078		0.26	0.003	0.3	0.79	34	<10	360	<0.5	<2	2.19	3.9	10	30	42	2.48
CC76079		0.32	0.004	0.7	1.01	50	<10	250	0.5	<2	2.69	4.0	11	24	70	3.00
CC76080		0.18	0.003	<0.2	1.58	23	<10	320	0.6	<2	0.13	1.6	13	28	41	3.29
CC76081		0.24	0.002	<0.2	1.39	18	<10	500	0.5	<2	0.75	1.1	12	31	29	2.80
CC76082		0.20	0.003	0.2	1.08	15	<10	440	<0.5	<2	1.40	2.3	9	23	50	2.63
CC76083		0.30	0.005	<0.2	1.01	23	<10	250	<0.5	<2	0.85	1.8	12	24	38	3.25
CC76084		0.16	0.002	<0.2	1.37	20	<10	260	0.5	<2	1.88	1.5	11	42	40	3.13
CC76085		0.20	0.001	<0.2	1.68	18	<10	190	0.6	<2	0.99	1.2	13	33	38	3.97
CC76086		0.14	<0.001	<0.2	1.21	11	<10	140	<0.5	<2	1.36	1.1	10	22	28	3.47
CC76087		0.10	<0.001	0.5	1.25	11	<10	220	<0.5	<2	3.06	1.2	9	50	42	2.55
CC76088		0.26	0.001	<0.2	1.12	14	<10	200	<0.5	<2	2.70	0.7	9	25	33	2.86
CC76089		0.32	0.003	<0.2	1.15	18	<10	130	<0.5	<2	4.85	1.1	12	28	36	3.29
CC76090		0.18	0.002	<0.2	1.36	16	<10	170	<0.5	<2	2.47	0.8	12	38	38	3.50
CC76091		0.22	0.004	<0.2	1.43	24	<10	170	<0.5	2	0.15	0.9	13	85	28	3.66
CC76092		0.28	0.002	<0.2	0.95	23	<10	90	<0.5	2	0.04	<0.5	8	23	23	3.15
CC76093		0.28	0.001	<0.2	2.51	15	<10	160	<0.5	2	0.21	<0.5	18	40	28	4.68
CC76094		0.38	0.003	<0.2	1.77	17	<10	120	0.6	<2	0.11	0.8	17	37	60	3.92
CC76095		0.42	0.004	<0.2	2.22	15	<10	110	0.5	<2	0.15	1.2	15	31	48	4.13
CC76096		0.34	0.003	0.9	1.99	21	<10	580	0.5	<2	0.16	1.2	13	30	55	3.63
CC76097		0.24	0.002	0.8	2.07	21	<10	470	0.5	<2	0.67	2.6	14	32	51	3.87
CC76098		0.14	0.003	1.0	1.60	15	<10	630	0.5	<2	0.65	1.4	12	24	32	2.84
CC76099		0.12	0.008	0.9	1.21	15	<10	540	<0.5	2	1.14	4.9	10	27	36	2.40
CC76100		0.04	<0.001	0.2	0.64	10	<10	870	<0.5	2	1.82	15.4	6	30	55	1.22
CC76101		0.16	0.002	0.3	1.03	31	<10	510	0.5	2	1.07	7.8	12	24	59	2.56
CC76102		0.14	0.003	0.4	1.22	46	<10	360	<0.5	2	0.71	4.5	12	31	32	2.90
CC76103		0.14	0.003	0.3	0.98	24	<10	290	0.6	2	1.43	17.4	12	31	75	2.30
CC76104		0.10	0.012	1.0	0.46	11	<10	320	<0.5	<2	3.90	12.3	5	9	55	1.09
CC76105		0.30	0.003	0.2	1.12	35	<10	240	0.5	<2	0.45	2.2	11	26	48	2.88
CC76106		0.14	0.001	0.3	0.70	26	<10	330	<0.5	<2	2.86	3.9	6	23	45	1.58
CC76107		0.28	0.002	0.5	0.90	23	<10	520	<0.5	<2	1.85	3.4	8	19	42	2.10
CC76108		0.14	0.002	0.5	0.84	11	<10	410	<0.5	<2	2.89	2.8	3	19	40	1.27
CC76109		0.14	0.002	0.5	0.93	21	<10	310	<0.5	2	3.40	1.9	9	31	52	2.42
CC76110		0.18	0.002	0.6	1.05	23	<10	310	<0.5	2	2.88	1.4	9	21	43	2.63

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Project: RAU

CERTIFICATE OF ANALYSIS VA10078945

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC76070		<10	1	0.07	<10	0.40	151	6	0.01	35	840	20	0.12	<2	1	49
CC76071		<10	1	0.09	10	0.72	482	4	<0.01	43	1150	21	0.17	<2	1	43
CC76072		<10	<1	0.11	10	1.14	590	9	<0.01	75	990	28	0.01	<2	3	29
CC76074		<10	<1	0.05	10	0.43	497	5	<0.01	50	980	21	0.07	<2	2	38
CC76075		<10	1	0.06	10	0.48	600	5	<0.01	42	940	29	0.07	2	2	35
CC76076		<10	<1	0.09	10	2.89	563	5	<0.01	41	1030	26	<0.01	3	3	41
CC76077		<10	<1	0.07	10	0.66	237	6	<0.01	38	770	35	0.05	2	1	46
CC76078		<10	<1	0.07	10	0.95	586	9	<0.01	53	1060	37	0.04	4	1	37
CC76079		<10	<1	0.12	10	1.73	472	13	<0.01	67	1450	60	0.02	8	3	41
CC76080		10	<1	0.05	10	0.44	371	9	<0.01	55	510	31	<0.01	<2	3	18
CC76081		10	<1	0.08	10	0.51	445	6	<0.01	34	1160	25	0.02	<2	3	29
CC76082		<10	<1	0.07	10	0.55	232	4	<0.01	39	1180	26	0.05	<2	2	36
CC76083		<10	<1	0.13	10	0.76	460	7	<0.01	51	640	31	0.02	<2	2	26
CC76084		<10	<1	0.14	10	1.04	531	3	0.01	41	950	29	0.05	<2	3	35
CC76085		10	<1	0.14	20	1.14	618	2	<0.01	40	720	30	0.02	<2	3	19
CC76086		<10	<1	0.12	20	0.82	457	1	<0.01	24	730	23	0.03	<2	2	27
CC76087		<10	<1	0.12	10	1.05	453	3	0.03	34	880	18	0.11	<2	2	55
CC76088		<10	<1	0.06	10	1.31	356	2	<0.01	30	810	23	0.04	<2	2	43
CC76089		<10	<1	0.08	10	3.08	500	2	0.01	36	920	26	<0.01	<2	3	51
CC76090		10	1	0.10	10	1.89	495	1	0.01	34	820	26	0.01	2	3	31
CC76091		10	<1	0.13	20	0.58	718	3	<0.01	35	1210	53	0.02	<2	1	13
CC76092		10	<1	0.06	20	0.27	310	3	<0.01	26	610	30	<0.01	<2	1	7
CC76093		10	<1	0.09	20	0.97	682	1	<0.01	41	530	25	<0.01	<2	2	14
CC76094		10	<1	0.08	30	0.61	922	3	<0.01	46	840	25	<0.01	<2	2	15
CC76095		10	<1	0.05	40	0.84	734	2	<0.01	56	640	25	<0.01	<2	2	13
CC76096		<10	<1	0.08	20	0.61	449	5	<0.01	47	770	33	0.01	<2	3	25
CC76097		10	<1	0.10	20	0.71	662	3	<0.01	59	910	28	0.03	<2	3	30
CC76098		<10	1	0.07	10	0.50	822	3	<0.01	35	980	27	0.03	2	2	29
CC76099		<10	<1	0.07	10	0.50	557	3	<0.01	33	1080	27	0.05	<2	2	37
CC76100		<10	1	0.06	<10	0.35	727	4	<0.01	51	1010	13	0.12	<2	1	49
CC76101		<10	<1	0.05	10	0.44	917	6	<0.01	67	970	30	0.05	5	2	35
CC76102		10	1	0.07	10	0.52	345	7	<0.01	61	1030	34	0.02	5	3	34
CC76103		<10	1	0.06	10	0.46	656	9	<0.01	85	900	25	0.07	4	2	39
CC76104		<10	1	0.03	<10	0.62	467	4	0.01	48	840	97	0.17	<2	1	44
CC76105		<10	1	0.06	10	0.48	393	7	<0.01	55	950	37	<0.01	4	3	27
CC76106		<10	1	0.05	<10	0.56	479	3	0.01	28	1110	28	0.13	<2	1	38
CC76107		<10	<1	0.06	10	0.55	579	4	0.02	36	990	33	0.07	5	2	39
CC76108		<10	1	0.07	10	1.21	151	1	0.03	26	1220	30	0.08	4	1	45
CC76109		<10	<1	0.10	10	1.88	366	6	0.02	44	1080	28	0.02	4	2	45
CC76110		<10	<1	0.08	10	1.71	460	6	0.02	45	980	27	0.02	5	2	40

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 2-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078945

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC76070		<20	0.01	<10	<10	48	<10	186
CC76071		<20	0.01	<10	<10	50	<10	308
CC76072		<20	0.02	<10	<10	73	<10	481
CC76074		<20	0.01	<10	<10	66	<10	325
CC76075		<20	0.01	<10	<10	55	<10	302
CC76076		<20	0.03	<10	<10	46	<10	190
CC76077		<20	0.01	<10	<10	48	<10	180
CC76078		<20	0.02	<10	<10	55	<10	267
CC76079		<20	0.02	<10	<10	70	<10	287
CC76080		<20	0.03	<10	<10	76	<10	219
CC76081		<20	0.03	<10	<10	57	<10	150
CC76082		<20	0.02	<10	<10	49	<10	217
CC76083		<20	0.03	<10	<10	68	<10	271
CC76084		<20	0.02	<10	<10	46	<10	201
CC76085		<20	0.02	<10	<10	42	<10	170
CC76086		<20	0.02	<10	<10	31	<10	121
CC76087		<20	0.02	<10	<10	39	<10	137
CC76088		<20	0.03	<10	<10	36	<10	132
CC76089		<20	0.04	<10	<10	37	<10	166
CC76090		<20	0.03	<10	<10	40	<10	136
CC76091		<20	0.02	<10	<10	56	<10	172
CC76092		<20	0.02	<10	<10	44	<10	161
CC76093		<20	0.01	<10	<10	26	<10	161
CC76094		<20	0.02	<10	<10	45	<10	232
CC76095		<20	0.01	<10	<10	29	<10	273
CC76096		<20	0.01	<10	<10	57	<10	251
CC76097		<20	0.01	<10	<10	40	<10	329
CC76098		<20	0.01	<10	<10	54	<10	198
CC76099		<20	0.01	<10	<10	48	<10	250
CC76100		<20	0.01	<10	<10	41	<10	425
CC76101		<20	0.01	<10	<10	77	<10	590
CC76102		<20	0.02	<10	<10	84	<10	730
CC76103		<20	0.02	<10	<10	64	<10	1225
CC76104		<20	0.01	<10	<10	21	<10	639
CC76105		<20	0.03	<10	<10	62	<10	252
CC76106		<20	0.01	<10	<10	37	<10	204
CC76107		<20	0.02	<10	<10	44	<10	251
CC76108		<20	0.02	<10	<10	39	<10	167
CC76109		<20	0.02	<10	<10	51	<10	212
CC76110		<20	0.03	<10	<10	53	<10	204

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10078945

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC76111		0.24	0.003	0.7	0.83	17	<10	290	<0.5	<2	4.13	2.5	9	19	82	2.42
CC76112		0.16	0.001	0.3	0.43	6	<10	560	<0.5	<2	3.91	1.4	4	14	22	0.98
CC76113		0.32	0.001	0.4	0.94	17	<10	180	<0.5	2	4.59	1.3	7	18	25	2.36
CC76114		0.20	0.002	0.4	1.01	18	<10	180	<0.5	<2	3.64	1.4	9	21	32	2.61
CC76115		0.28	0.003	0.6	0.93	21	<10	160	<0.5	<2	4.88	1.6	10	27	41	2.62
CC76116		0.36	0.008	1.3	1.61	23	<10	290	0.6	2	2.28	3.6	13	45	60	3.33
CC76117		0.14	0.001	0.2	0.75	8	<10	230	<0.5	<2	6.41	0.9	6	16	27	1.86
CC76118		0.22	0.001	0.3	1.21	13	<10	250	<0.5	<2	2.34	0.9	8	27	37	2.78
CC76119		0.22	0.002	0.4	1.06	10	<10	240	<0.5	<2	3.40	1.0	8	21	41	2.51
CC76120		0.32	0.001	0.3	1.15	10	<10	190	<0.5	<2	2.79	1.0	9	27	39	2.72
CC76121		0.26	0.006	0.4	1.47	12	<10	220	<0.5	<2	3.21	0.6	10	36	37	3.16
CC76124		0.38	0.003	0.6	1.03	7	<10	70	<0.5	2	0.06	<0.5	3	23	15	1.80
CC76125		0.36	0.004	1.1	2.29	23	<10	260	<0.5	3	0.11	<0.5	13	47	37	4.51
CC76126		0.44	0.005	0.3	2.20	16	<10	320	<0.5	<2	0.18	<0.5	18	36	28	4.24
CC76127		0.28	0.001	0.4	2.18	16	<10	540	<0.5	2	0.27	<0.5	15	36	30	4.10
CC76128		0.26	<0.001	0.5	2.27	11	<10	1140	0.5	2	0.48	0.7	19	40	40	4.02
CC76129		0.14	<0.001	0.3	0.63	2	<10	600	<0.5	<2	2.56	3.3	4	10	57	1.06
CC76130		0.36	0.003	0.8	1.64	13	<10	370	<0.5	2	0.31	1.3	10	24	28	2.97
CC76131		0.16	0.003	1.6	1.82	14	<10	400	<0.5	<2	0.54	2.4	13	31	49	3.53
CC76132		0.12	0.004	0.9	1.34	7	<10	580	<0.5	<2	1.29	5.0	10	18	47	2.35
CC76133		0.12	0.002	0.3	0.24	2	<10	560	<0.5	<2	2.76	5.6	2	3	57	0.45
CC76134		0.12	<0.001	0.5	0.33	3	<10	430	<0.5	<2	2.18	12.9	3	10	37	0.66
CC76135		0.08	<0.001	0.2	0.13	<2	<10	600	<0.5	<2	2.12	10.8	1	2	51	0.24
CC76136		0.14	<0.001	0.3	0.29	2	<10	450	<0.5	<2	3.27	9.6	2	4	91	0.52
CC76137		0.36	0.002	0.4	1.16	50	<10	260	0.5	3	0.57	5.6	13	33	45	3.20
CC76138		0.14	0.006	0.4	1.02	20	<10	410	<0.5	2	1.71	18.3	13	20	58	2.45
CC76139		0.14	0.005	<0.2	0.29	2	<10	190	<0.5	<2	2.24	4.8	1	4	21	0.41
CC76140		0.14	0.021	<0.2	0.20	2	<10	290	<0.5	<2	3.84	5.2	1	4	29	0.30
CC76141		0.22	NSS	0.6	0.38	25	<10	570	<0.5	<2	3.88	6.7	3	10	40	0.82
CC76142		0.24	0.001	0.4	0.25	11	<10	410	<0.5	<2	4.60	2.5	2	9	25	0.47
CC76143		0.44	0.007	0.9	1.12	33	<10	260	<0.5	2	1.87	2.0	20	38	60	4.30
CC76144		0.46	0.041	0.5	0.89	31	<10	260	<0.5	<2	4.43	2.1	8	21	46	2.56
CC76145		0.24	0.004	0.3	0.84	19	<10	260	<0.5	<2	2.86	1.9	7	19	25	2.33
CC76146		0.28	0.009	0.2	1.93	21	<10	370	0.8	<2	0.46	2.4	11	43	22	3.98
CC76147		0.42	0.004	0.2	0.68	18	<10	180	<0.5	<2	6.1	1.2	7	15	25	2.28
CC76148		0.40	0.004	0.2	0.66	14	<10	170	<0.5	<2	6.5	1.3	6	16	31	1.81
CC76149		0.32	0.005	0.2	0.80	19	<10	230	<0.5	<2	4.44	1.6	9	17	38	2.68
CC76150		0.30	0.003	0.5	0.99	23	<10	170	<0.5	<2	4.12	2.1	9	28	45	2.93
CC76151		0.20	0.005	0.3	0.92	13	<10	260	<0.5	<2	2.31	1.6	8	18	29	2.25
CC76152		0.22	0.003	0.3	0.97	15	<10	190	<0.5	<2	3.45	0.9	8	21	29	2.52

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10078945

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC76111		<10	<1	0.08	10	2.48	481	7	0.02	55	1260	21	0.03	4	1	44
CC76112		<10	<1	0.05	<10	0.60	333	3	0.02	17	900	9	0.15	2	<1	62
CC76113		<10	<1	0.07	10	3.05	327	4	0.02	28	840	21	<0.01	4	2	38
CC76114		<10	1	0.09	10	2.09	504	3	0.02	32	970	29	0.05	3	2	39
CC76115		<10	<1	0.08	10	3.40	490	6	0.02	45	1090	31	0.02	5	2	45
CC76116		<10	1	0.09	20	1.65	765	9	0.02	63	1330	36	0.03	4	4	29
CC76117		<10	<1	0.07	10	1.30	424	2	0.03	22	910	15	0.08	2	1	90
CC76118		<10	<1	0.08	10	0.83	395	2	0.02	30	900	20	0.06	2	2	45
CC76119		<10	<1	0.08	10	1.31	491	2	0.02	31	1030	18	0.05	2	2	57
CC76120		<10	<1	0.08	10	1.36	452	2	0.02	34	930	20	0.04	3	2	45
CC76121		<10	<1	0.09	10	1.81	397	2	0.02	38	930	20	0.04	3	3	45
CC76124		<10	<1	0.06	10	0.27	138	1	0.01	14	590	16	0.01	<2	1	6
CC76125		10	<1	0.10	20	0.84	581	2	0.01	48	430	22	<0.01	2	2	11
CC76126		10	<1	0.08	10	0.87	821	1	0.01	42	620	27	<0.01	2	2	13
CC76127		10	<1	0.14	20	0.83	607	2	0.02	41	720	26	0.01	2	3	18
CC76128		10	1	0.17	30	0.77	1630	2	0.03	44	670	31	0.04	2	2	22
CC76129		<10	<1	0.05	40	0.49	320	2	0.03	29	740	7	0.13	2	1	53
CC76130		<10	<1	0.08	20	0.52	473	3	0.02	36	870	25	0.02	2	2	23
CC76131		<10	<1	0.10	20	0.63	566	4	0.02	53	1020	26	0.02	4	2	30
CC76132		<10	<1	0.08	10	0.53	883	2	0.02	42	1030	17	0.08	2	1	34
CC76133		<10	<1	0.03	<10	0.32	187	3	0.03	31	910	4	0.19	3	<1	48
CC76134		<10	1	0.04	<10	0.38	279	3	0.03	26	830	9	0.13	3	1	46
CC76135		<10	1	0.04	<10	0.22	286	6	0.03	39	670	3	0.12	2	<1	46
CC76136		<10	<1	0.03	<10	0.42	292	3	0.03	68	860	4	0.19	2	<1	49
CC76137		<10	<1	0.07	10	0.45	495	9	0.01	79	570	33	0.02	6	3	26
CC76138		<10	<1	0.07	10	0.50	3470	12	0.03	69	1180	25	0.09	5	2	43
CC76139		<10	<1	0.03	<10	0.28	54	6	0.03	8	650	6	0.14	2	1	30
CC76140		<10	1	0.03	<10	0.49	216	5	0.04	8	930	3	0.16	2	<1	42
CC76141		<10	1	0.03	<10	0.45	340	5	0.03	19	1090	19	0.15	7	1	51
CC76142		<10	<1	0.02	<10	0.56	157	6	0.02	13	960	8	0.21	4	<1	53
CC76143		<10	<1	0.33	10	1.01	416	9	0.02	96	1370	47	0.06	9	3	34
CC76144		<10	<1	0.09	10	2.67	434	6	0.02	41	980	42	0.02	8	3	48
CC76145		<10	<1	0.05	10	1.35	464	3	0.01	28	1100	29	0.05	<2	2	33
CC76146		<10	<1	0.07	10	0.63	677	5	0.01	39	630	36	0.03	3	4	16
CC76147		<10	1	0.06	10	3.66	625	4	0.01	25	1040	26	0.05	2	1	46
CC76148		<10	1	0.07	10	3.77	459	2	0.02	26	890	23	0.03	3	2	64
CC76149		<10	<1	0.09	10	2.61	443	5	0.02	41	1110	26	0.06	3	1	44
CC76150		<10	<1	0.08	10	2.37	500	7	0.02	43	990	32	0.06	5	2	41
CC76151		<10	<1	0.06	10	0.69	688	2	0.02	25	1080	23	0.11	<2	1	43
CC76152		<10	1	0.07	10	1.68	552	2	0.02	27	900	25	0.06	<2	2	45

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Project: RAU

CERTIFICATE OF ANALYSIS VA10078945

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC76111		<20	0.02	<10	<10	51	<10	245
CC76112		<20	0.01	<10	<10	22	<10	87
CC76113		<20	0.02	<10	<10	37	<10	163
CC76114		<20	0.02	<10	<10	37	<10	184
CC76115		<20	0.03	<10	<10	44	<10	204
CC76116		<20	0.03	<10	<10	65	<10	265
CC76117		<20	0.01	<10	<10	25	<10	123
CC76118		<20	0.02	<10	<10	37	<10	137
CC76119		<20	0.02	<10	<10	34	<10	125
CC76120		<20	0.03	<10	<10	36	<10	128
CC76121		<20	0.04	<10	<10	41	<10	145
CC76124		<20	0.01	<10	<10	28	<10	54
CC76125		<20	0.01	<10	<10	30	<10	197
CC76126		<20	0.01	<10	<10	25	<10	159
CC76127		<20	0.01	<10	<10	34	<10	163
CC76128		<20	<0.01	<10	<10	24	<10	184
CC76129		<20	<0.01	<10	<10	10	<10	103
CC76130		<20	0.01	<10	<10	45	<10	207
CC76131		<20	0.01	<10	<10	39	<10	269
CC76132		<20	<0.01	<10	<10	26	<10	229
CC76133		<20	<0.01	<10	<10	7	<10	187
CC76134		<20	0.01	<10	<10	19	<10	231
CC76135		<20	<0.01	<10	<10	9	<10	276
CC76136		<20	0.01	<10	<10	8	<10	337
CC76137		<20	0.01	<10	<10	63	<10	607
CC76138		<20	0.01	<10	<10	48	<10	786
CC76139		<20	0.01	<10	<10	10	<10	166
CC76140		<20	0.01	<10	<10	12	<10	92
CC76141		<20	0.01	<10	30	25	<10	105
CC76142		<20	0.01	<10	10	12	<10	64
CC76143		<20	0.10	<10	<10	53	<10	251
CC76144		<20	0.03	<10	<10	51	<10	229
CC76145		<20	0.02	<10	<10	36	<10	210
CC76146		<20	0.02	<10	<10	75	<10	204
CC76147		<20	0.01	<10	<10	32	<10	177
CC76148		<20	0.03	<10	<10	30	<10	132
CC76149		<20	0.02	<10	<10	42	<10	203
CC76150		<20	0.02	<10	<10	48	<10	191
CC76151		<20	0.02	<10	<10	32	<10	160
CC76152		<20	0.02	<10	<10	32	<10	129

***** See Appendix Page for comments regarding this certificate *****

ALS Chemex
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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10078945

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC76153		0.36	0.003	<0.2	1.01	12	<10	190	<0.5	<2	3.20	1.0	10	27	33	2.93
CC76154		0.26	0.003	<0.2	1.52	9	<10	180	<0.5	<2	2.21	0.8	12	46	43	3.55
CC76155		0.22	0.003	0.3	1.43	11	<10	180	<0.5	<2	1.42	0.7	12	43	40	3.36
CC76156		0.26	0.002	<0.2	1.23	12	<10	140	<0.5	<2	1.49	0.6	10	33	30	3.28
CC76157		0.28	0.005	0.2	1.91	24	<10	160	0.5	<2	0.17	<0.5	18	34	57	4.11
CC76158		0.24	0.004	0.3	2.27	26	<10	150	0.6	<2	0.12	0.5	21	34	71	4.98
CC76159		0.34	0.005	0.4	2.01	25	<10	140	<0.5	<2	0.09	<0.5	18	36	42	4.45
CC76160		0.12	0.004	0.2	2.34	16	<10	210	0.5	<2	0.12	<0.5	15	33	43	4.43
CC76161		0.20	0.004	0.3	1.81	15	<10	470	<0.5	<2	0.31	0.6	17	33	33	3.88
CC76162		0.18	0.003	0.2	1.72	16	<10	540	<0.5	<2	0.16	0.6	16	48	32	3.84
CC76163		0.12	0.002	0.2	2.17	12	<10	510	<0.5	<2	0.28	1.0	20	32	35	4.58
CC76164		0.08	0.004	0.5	1.59	10	<10	450	0.5	<2	0.73	2.6	12	27	49	3.13
CC76165		0.14	0.003	1.0	1.74	16	<10	550	0.5	<2	0.71	1.8	13	32	44	3.37
CC76166		0.12	0.004	0.4	1.11	46	<10	240	<0.5	<2	1.05	3.3	13	26	37	3.04
CC76167		0.12	0.004	0.2	1.76	20	<10	240	0.5	<2	0.52	1.2	7	28	10	2.79
CC76168		0.14	0.012	0.5	1.30	41	<10	300	0.6	2	0.74	2.1	10	43	51	2.94
CC76169		0.10	0.017	0.8	0.62	63	<10	230	<0.5	2	4.25	4.7	7	20	44	2.62
CC76170		0.14	0.005	0.3	0.80	27	<10	510	<0.5	<2	4.33	3.3	8	18	39	2.21
CC76171		0.14	0.007	0.6	0.83	47	<10	300	<0.5	<2	4.31	3.0	8	40	49	2.71
CC76172		0.24	0.005	0.3	0.81	19	<10	170	<0.5	<2	6.31	1.5	8	18	37	2.22
CC76173		0.20	0.005	0.5	0.71	37	<10	190	<0.5	<2	5.18	2.5	8	17	41	2.31
CC76174		0.18	0.006	1.0	1.53	22	<10	240	0.6	<2	0.54	1.3	11	27	29	3.20
CC76175		0.06	0.001	<0.2	1.27	18	<10	220	<0.5	<2	2.99	0.8	10	29	37	3.17
CC76176		0.14	0.003	0.2	1.40	14	<10	210	<0.5	<2	2.66	1.0	12	40	45	3.40
CC76177		0.12	0.003	<0.2	1.32	14	<10	200	<0.5	<2	2.93	0.9	12	43	40	3.11
CC76178		0.14	0.002	<0.2	2.29	14	<10	260	0.5	<2	2.24	0.6	18	85	52	4.42
CC76179		0.10	0.002	<0.2	1.54	9	<10	140	<0.5	<2	2.08	0.6	14	55	26	3.36
CC76180		0.14	0.004	0.2	1.39	9	<10	150	<0.5	<2	1.87	0.5	10	32	30	3.48
CC76181		0.20	0.002	0.4	1.35	12	<10	100	<0.5	4	4.01	0.7	12	24	49	3.89
CC76190		0.10	0.007	0.8	1.58	23	<10	740	<0.5	4	0.53	1.0	13	38	36	3.14
CC76191		0.12	0.007	0.8	1.83	14	<10	390	<0.5	3	0.57	0.8	12	33	41	3.17
CC76192		0.18	0.005	0.6	1.32	10	<10	360	<0.5	3	0.85	1.4	10	26	49	2.48
CC76193		0.22	0.203	0.8	1.36	17	<10	370	0.5	4	0.75	1.5	10	26	56	2.92
CC76194		0.32	0.003	0.3	2.13	18	<10	230	0.5	3	0.17	0.8	19	33	43	4.39
CC76195		0.26	0.004	0.4	1.85	14	<10	260	<0.5	3	0.23	0.6	15	30	38	3.68
CC76196		0.26	0.004	0.3	1.61	13	<10	380	<0.5	4	0.43	0.9	12	34	28	3.27
CC76197		0.24	0.003	0.4	1.80	15	<10	540	<0.5	4	0.18	0.7	15	30	25	3.75
CC76198		0.20	0.002	0.4	1.88	10	<10	520	<0.5	4	0.48	1.1	15	29	32	3.62
CC76199		0.26	0.005	1.0	1.17	16	<10	690	<0.5	3	0.82	11.8	9	25	57	2.49
CC76200		0.14	0.009	0.8	0.88	26	<10	450	<0.5	3	1.23	5.8	8	22	62	2.19

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Project: RAU

CERTIFICATE OF ANALYSIS VA10078945

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC76153		<10	1	0.06	10	1.73	602	1	0.01	31	780	23	0.04	<2	2	42
CC76154		<10	<1	0.08	10	1.66	464	1	0.01	44	840	19	0.05	2	4	37
CC76155		<10	<1	0.06	10	1.12	510	1	0.01	41	610	17	0.04	<2	4	29
CC76156		<10	<1	0.07	10	0.91	495	1	0.01	31	500	18	0.05	<2	2	25
CC76157		<10	<1	0.08	20	0.75	708	2	0.02	41	620	30	0.01	<2	3	14
CC76158		10	<1	0.09	40	0.80	936	2	0.02	48	560	19	0.01	<2	3	13
CC76159		10	<1	0.07	30	0.73	979	2	0.01	43	490	16	0.01	<2	2	11
CC76160		10	<1	0.12	30	0.82	518	1	0.02	45	460	14	0.01	<2	3	13
CC76161		<10	<1	0.08	20	0.76	931	1	0.02	39	630	26	0.03	<2	2	17
CC76162		<10	1	0.10	20	0.67	783	2	0.01	39	640	28	0.01	2	2	15
CC76163		<10	<1	0.10	20	0.84	1240	2	0.02	46	510	22	0.03	<2	2	15
CC76164		<10	<1	0.10	40	0.63	825	2	0.03	46	870	24	0.05	<2	2	32
CC76165		<10	<1	0.10	20	0.65	652	3	0.02	45	930	23	0.05	2	2	28
CC76166		<10	<1	0.08	10	0.55	679	7	0.02	65	1060	34	0.05	3	3	35
CC76167		10	<1	0.06	10	0.39	359	4	0.02	22	320	25	0.02	2	2	16
CC76168		<10	<1	0.09	20	0.52	418	7	0.03	49	820	42	0.02	5	3	26
CC76169		<10	1	0.10	10	2.34	578	21	0.03	72	1110	66	0.05	13	2	41
CC76170		<10	1	0.07	10	1.75	632	2	0.02	32	990	41	0.07	6	1	56
CC76171		<10	<1	0.11	10	2.58	442	10	0.02	49	1090	59	0.04	9	2	49
CC76172		<10	<1	0.07	10	4.14	326	4	0.02	32	1010	24	0.02	2	2	39
CC76173		<10	<1	0.07	10	2.95	422	7	0.02	38	980	39	0.03	5	2	55
CC76174		<10	<1	0.06	10	0.57	598	4	0.01	43	1070	31	0.02	3	3	27
CC76175		<10	<1	0.09	10	1.44	591	2	0.02	35	810	24	0.06	2	3	45
CC76176		<10	<1	0.07	10	1.49	487	1	0.02	41	850	22	0.06	<2	3	44
CC76177		<10	1	0.07	10	1.81	525	1	0.02	41	740	20	0.06	<2	3	41
CC76178		10	<1	0.08	10	2.62	578	1	0.02	71	820	15	0.04	<2	6	36
CC76179		<10	<1	0.06	10	1.94	531	<1	0.02	47	660	15	0.03	<2	3	29
CC76180		<10	1	0.07	10	1.14	493	1	0.02	31	690	22	0.05	<2	3	30
CC76181		<10	<1	0.09	20	2.85	600	1	0.01	34	750	29	<0.01	<2	3	49
CC76190		<10	<1	0.08	20	0.66	1135	2	0.02	39	940	26	0.04	<2	3	30
CC76191		10	<1	0.08	20	0.68	505	1	0.01	36	710	18	0.03	<2	3	28
CC76192		<10	<1	0.06	20	0.48	433	1	0.01	29	1120	25	0.07	<2	2	33
CC76193		<10	<1	0.07	30	0.51	654	3	0.01	38	970	29	0.02	<2	2	30
CC76194		10	<1	0.08	40	0.73	940	1	0.01	46	530	17	<0.01	<2	3	13
CC76195		10	<1	0.06	30	0.66	751	1	0.01	41	530	19	<0.01	<2	3	14
CC76196		<10	<1	0.06	20	0.73	692	1	0.01	36	690	24	<0.01	<2	2	19
CC76197		10	<1	0.08	20	0.67	792	2	0.01	37	620	27	0.01	<2	2	15
CC76198		10	<1	0.07	20	0.74	588	1	0.01	41	480	25	0.01	<2	2	20
CC76199		<10	<1	0.06	20	0.44	491	4	0.01	55	1130	53	0.03	<2	2	44
CC76200		<10	<1	0.06	10	0.44	676	5	0.01	47	1060	29	0.05	2	2	40

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10078945

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC76153		<20	0.03	<10	<10	31	<10	113
CC76154		<20	0.05	<10	<10	46	<10	134
CC76155		<20	0.05	<10	<10	44	<10	109
CC76156		<20	0.03	<10	<10	33	<10	97
CC76157		<20	0.01	<10	<10	29	<10	154
CC76158		<20	0.01	<10	<10	28	<10	160
CC76159		<20	0.01	<10	<10	26	<10	144
CC76160		<20	0.01	<10	<10	27	<10	151
CC76161		<20	0.01	<10	<10	28	<10	146
CC76162		<20	0.01	<10	<10	33	<10	181
CC76163		<20	0.01	<10	<10	26	<10	213
CC76164		<20	0.01	<10	<10	40	<10	264
CC76165		<20	0.01	<10	<10	40	<10	234
CC76166		<20	0.01	<10	<10	54	<10	540
CC76167		<20	0.03	<10	<10	73	<10	124
CC76168		<20	0.03	<10	<10	59	<10	226
CC76169		<20	0.02	<10	<10	62	<10	500
CC76170		<20	0.02	<10	<10	39	<10	223
CC76171		<20	0.02	<10	<10	55	<10	259
CC76172		<20	0.02	<10	<10	36	<10	184
CC76173		<20	0.02	<10	<10	42	<10	171
CC76174		<20	0.03	<10	<10	52	<10	130
CC76175		<20	0.03	<10	<10	38	<10	136
CC76176		<20	0.04	<10	<10	41	<10	131
CC76177		<20	0.05	<10	<10	40	<10	111
CC76178		<20	0.11	<10	<10	63	<10	118
CC76179		<20	0.09	<10	<10	41	<10	91
CC76180		<20	0.03	<10	<10	35	<10	111
CC76181		<20	0.03	<10	<10	29	<10	102
CC76190		<20	0.01	<10	<10	37	<10	155
CC76191		<20	0.01	<10	<10	33	<10	146
CC76192		<20	0.02	<10	<10	39	<10	124
CC76193		<20	0.01	<10	<10	51	<10	170
CC76194		<20	0.01	<10	<10	32	<10	155
CC76195		<20	0.01	<10	<10	39	<10	162
CC76196		<20	0.01	<10	<10	30	<10	149
CC76197		<20	0.01	<10	<10	32	<10	170
CC76198		<20	0.01	<10	<10	30	<10	194
CC76199		<20	0.01	<10	<10	77	<10	410
CC76200		<20	0.01	<10	<10	82	<10	337

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Project: RAU

CERTIFICATE OF ANALYSIS VA10078945

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC76201		0.14	0.002	0.8	0.91	24	<10	520	<0.5	4	1.82	4.9	8	22	45	2.05
CC76202		0.30	0.006	0.7	1.04	30	<10	260	0.5	4	1.44	5.0	11	23	73	2.70
CC76203		0.36	0.010	1.0	1.29	83	<10	150	0.5	4	0.56	5.3	12	33	57	3.78
CC76204		0.16	0.012	0.8	0.57	27	<10	210	<0.5	3	3.12	1.3	4	12	33	1.16
CC76205		0.16	0.015	0.6	0.65	37	<10	370	<0.5	3	2.44	3.9	6	16	39	1.73
CC76206		0.22	0.007	0.9	0.82	52	<10	230	<0.5	4	1.68	3.4	8	23	35	2.50
CC76207		0.30	0.002	0.3	0.83	22	<10	310	<0.5	3	3.42	3.2	11	22	34	2.69
CC76208		0.34	0.004	0.3	0.78	17	<10	100	<0.5	3	11.0	0.8	8	16	27	2.02
CC76209		0.32	0.010	2.2	1.23	47	<10	220	<0.5	4	1.58	7.6	8	27	33	2.83
CC76210		0.38	0.006	0.4	1.47	27	<10	310	0.5	3	0.39	0.8	10	30	32	2.82
CC76211		0.24	0.005	0.7	1.28	31	<10	250	<0.5	4	2.21	3.2	7	24	35	2.62
CC76212		0.18	0.004	0.4	1.37	15	<10	210	<0.5	3	1.82	0.9	11	34	38	3.21
CC76213		0.30	0.004	0.5	1.37	21	<10	240	<0.5	3	2.86	0.8	11	36	40	3.16
CC76214		0.18	0.006	0.4	1.18	17	<10	210	<0.5	2	3.74	1.0	10	31	38	2.78
CC76215		0.30	0.004	0.4	1.29	11	<10	160	<0.5	4	3.43	0.6	11	38	34	3.03
CC76216		0.26	0.005	0.3	1.34	9	<10	160	<0.5	4	1.88	0.5	12	34	33	3.32
CC76217		0.18	0.003	0.3	1.08	9	<10	130	<0.5	4	3.59	0.5	8	17	29	3.18
CC76218		0.32	0.003	0.2	1.32	11	<10	100	<0.5	3	3.32	0.6	11	18	39	3.96
CC76219		0.22	0.002	0.3	1.27	10	<10	100	<0.5	4	3.62	<0.5	10	16	39	3.93
CC76223		0.08	0.006	0.4	1.41	13	<10	420	<0.5	4	1.22	1.1	12	24	38	2.67
CC76224		0.14	0.006	0.5	1.63	14	<10	510	<0.5	4	0.60	0.9	13	33	33	3.21
CC76225		0.14	0.005	0.3	1.83	15	<10	390	<0.5	3	0.50	0.7	13	34	34	3.51
CC76226		0.14	0.007	0.4	1.64	16	<10	260	<0.5	5	0.75	0.8	14	27	74	3.26
CC76227		0.14	0.002	0.4	1.64	15	<10	230	<0.5	3	0.34	0.8	13	28	42	3.55
CC76228		0.20	0.004	0.6	1.28	19	<10	310	<0.5	4	1.84	1.6	13	25	61	3.13
CC76229		0.08	NSS	0.5	1.41	16	<10	360	0.5	3	1.02	1.3	11	26	46	2.89
CC76230		0.12	0.003	0.4	1.58	12	<10	370	<0.5	4	0.47	0.8	13	34	24	3.18
CC76231		0.08	0.006	0.6	1.46	14	<10	650	<0.5	3	0.90	2.7	14	29	47	3.07
CC76232		0.12	0.010	0.7	1.43	15	<10	400	<0.5	5	1.42	84.5	11	29	106	2.95
CC76233		0.10	0.019	1.0	1.07	18	<10	540	<0.5	4	1.09	4.6	8	24	46	2.33
CC76234		0.10	0.035	0.9	0.95	20	<10	480	<0.5	4	1.15	4.4	8	21	43	2.22
CC76235		0.10	0.009	0.8	0.96	47	<10	370	0.5	4	0.96	3.5	9	23	46	2.52
CC76236		0.08	0.010	0.8	0.90	31	<10	500	<0.5	3	1.74	5.2	11	40	60	2.26
CC76237		0.10	0.017	0.7	1.03	40	<10	370	<0.5	4	1.19	2.6	16	24	34	2.86
CC76238		0.20	0.011	0.4	0.87	38	<10	190	<0.5	4	0.52	2.6	10	22	42	2.85
CC76239		0.08	0.007	0.4	1.12	27	<10	270	<0.5	4	1.38	2.6	11	24	44	2.69
CC76240		0.08	0.010	0.7	0.95	42	<10	260	<0.5	4	1.50	2.7	10	22	49	2.77
CC76241		0.14	0.005	0.7	0.93	34	<10	270	<0.5	3	1.84	4.2	10	21	60	2.59
CC76242		0.14	0.007	0.4	0.71	28	<10	210	<0.5	3	3.75	2.0	8	17	32	2.24
CC76243		0.26	0.010	1.1	0.91	58	<10	220	<0.5	3	4.29	3.7	10	25	64	2.96

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10078945

Sample Description	Method Analyte Units LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
CC76201		<10	<1	0.06	10	0.51	682	3	0.02	53	1060	27	0.09	2	2	47
CC76202		<10	<1	0.09	10	0.81	878	5	0.01	78	1000	39	0.02	2	3	33
CC76203		<10	<1	0.08	10	0.45	656	18	0.01	76	1420	97	0.02	11	3	27
CC76204		<10	<1	0.04	10	0.54	201	10	0.02	27	900	20	0.13	2	1	40
CC76205		<10	<1	0.05	10	0.63	387	7	0.02	32	970	36	0.09	5	1	37
CC76206		<10	<1	0.06	10	0.90	348	9	0.01	46	1130	65	0.02	8	2	37
CC76207		<10	<1	0.16	10	1.91	470	4	0.01	51	1000	28	0.06	<2	2	49
CC76208		<10	<1	0.09	10	6.33	535	1	0.01	20	620	27	<0.01	<2	2	75
CC76209		<10	<1	0.06	10	0.88	290	9	0.01	46	940	76	0.01	5	3	29
CC76210		<10	<1	0.06	20	0.53	430	4	0.01	35	960	36	<0.01	<2	3	23
CC76211		<10	<1	0.05	10	0.73	442	4	0.01	33	950	44	0.04	<2	2	37
CC76212		<10	<1	0.08	10	1.17	726	1	0.01	38	940	26	0.04	<2	3	33
CC76213		<10	<1	0.08	10	1.71	683	2	0.01	38	980	31	0.05	<2	3	42
CC76214		<10	<1	0.07	10	2.25	635	1	0.01	35	850	27	0.03	<2	3	42
CC76215		<10	<1	0.06	10	2.42	560	<1	0.01	36	760	21	0.02	<2	3	36
CC76216		<10	<1	0.06	10	1.29	540	<1	0.01	32	710	20	0.04	<2	3	31
CC76217		<10	<1	0.09	10	1.65	469	<1	0.01	19	680	18	0.06	<2	2	58
CC76218		<10	<1	0.09	20	2.47	537	1	0.01	24	790	24	<0.01	<2	2	40
CC76219		<10	<1	0.09	20	2.31	649	<1	0.01	20	760	20	0.02	<2	2	48
CC76223		<10	<1	0.08	10	0.62	749	<1	0.03	31	760	15	0.07	<2	2	34
CC76224		<10	<1	0.08	20	0.67	981	1	0.01	37	810	21	0.01	<2	2	23
CC76225		10	<1	0.07	20	0.74	615	1	0.01	38	600	21	0.01	<2	2	20
CC76226		<10	<1	0.08	30	0.66	576	1	0.02	32	440	22	0.02	<2	2	20
CC76227		<10	<1	0.09	30	0.62	742	2	0.01	37	740	20	<0.01	<2	3	19
CC76228		<10	<1	0.09	20	1.29	1120	2	0.02	51	930	26	0.01	<2	2	26
CC76229		<10	<1	0.08	20	0.61	709	1	0.02	38	810	23	0.05	<2	3	27
CC76230		<10	<1	0.08	20	0.72	661	1	0.01	35	740	24	0.02	<2	2	20
CC76231		<10	<1	0.09	20	0.63	817	1	0.02	42	880	25	0.07	<2	2	28
CC76232		<10	<1	0.08	20	0.60	634	12	0.02	464	1050	25	0.05	<2	2	35
CC76233		<10	<1	0.07	20	0.48	539	3	0.02	50	1070	60	0.05	<2	2	47
CC76234		<10	<1	0.07	10	0.45	541	3	0.02	42	1050	36	0.04	<2	2	37
CC76235		<10	<1	0.07	10	0.46	958	5	0.02	53	950	37	0.03	2	2	32
CC76236		<10	<1	0.07	10	0.49	1450	4	0.02	66	1040	28	0.08	<2	2	42
CC76237		<10	<1	0.07	10	0.49	1490	7	0.01	44	1110	33	0.07	<2	2	34
CC76238		<10	<1	0.08	10	0.44	364	6	0.01	60	850	39	0.01	<2	3	24
CC76239		<10	<1	0.09	10	0.58	636	4	0.02	56	690	36	0.05	<2	3	31
CC76240		<10	<1	0.09	10	0.53	609	5	0.01	43	980	46	0.06	4	2	32
CC76241		<10	<1	0.08	10	0.69	683	5	0.01	50	1100	45	0.06	3	2	35
CC76242		<10	<1	0.06	10	2.24	621	3	0.01	26	1180	31	0.04	<2	2	40
CC76243		<10	<1	0.10	10	2.88	489	15	0.02	58	1310	96	0.03	9	2	54

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1016-510 W HASTINGS ST
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Project: RAU

CERTIFICATE OF ANALYSIS VA10078945

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC76201		<20	0.01	<10	<10	54	<10	408
CC76202		<20	0.03	<10	<10	49	<10	392
CC76203		<20	0.03	<10	<10	78	<10	360
CC76204		<20	0.01	<10	<10	28	<10	113
CC76205		<20	0.01	<10	10	36	<10	189
CC76206		<20	0.02	<10	<10	54	<10	302
CC76207		<20	0.04	<10	<10	42	<10	247
CC76208		<20	0.02	<10	<10	25	<10	110
CC76209		<20	0.03	<10	<10	64	<10	243
CC76210		<20	0.03	<10	<10	56	<10	147
CC76211		<20	0.02	<10	<10	52	<10	199
CC76212		<20	0.03	<10	<10	41	<10	137
CC76213		<20	0.03	<10	<10	44	<10	153
CC76214		<20	0.03	<10	<10	37	<10	134
CC76215		<20	0.05	<10	<10	37	<10	107
CC76216		<20	0.04	<10	<10	35	<10	95
CC76217		<20	0.02	<10	<10	22	<10	79
CC76218		<20	0.02	<10	<10	26	<10	96
CC76219		<20	0.02	<10	<10	22	<10	86
CC76223		<20	0.01	<10	<10	26	<10	120
CC76224		<20	0.01	<10	<10	33	<10	158
CC76225		<20	0.01	<10	<10	35	<10	172
CC76226		<20	0.01	<10	<10	37	<10	139
CC76227		<20	0.02	<10	<10	41	<10	158
CC76228		<20	0.02	<10	<10	40	<10	193
CC76229		<20	0.01	<10	<10	36	<10	187
CC76230		<20	0.01	<10	<10	31	<10	157
CC76231		<20	0.01	<10	<10	29	<10	185
CC76232		<20	0.01	<10	<10	62	10	3970
CC76233		<20	0.01	<10	<10	77	<10	388
CC76234		<20	0.01	<10	<10	62	<10	306
CC76235		<20	0.01	<10	<10	74	<10	301
CC76236		<20	0.02	<10	<10	59	<10	468
CC76237		<20	0.01	<10	<10	53	<10	330
CC76238		<20	0.02	<10	<10	46	<10	310
CC76239		<20	0.02	<10	<10	50	<10	340
CC76240		<20	0.01	<10	<10	51	<10	281
CC76241		<20	0.02	<10	<10	45	<10	275
CC76242		<20	0.02	<10	<10	35	<10	169
CC76243		<20	0.03	<10	<10	56	<10	298

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10078945

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC76244		0.14	0.036	0.6	0.71	43	<10	310	<0.5	3	2.93	2.8	8	18	35	2.19
CC76245		0.14	0.006	0.3	1.16	25	<10	280	<0.5	4	1.38	1.4	5	20	19	2.45
CC76246		0.14	0.005	0.6	0.62	38	<10	240	<0.5	3	4.08	1.7	8	16	31	1.98
CC76247		0.24	0.010	0.8	0.72	42	<10	190	<0.5	4	5.17	1.9	8	18	50	2.20
CC76248		0.10	0.009	0.5	1.42	17	<10	160	0.5	5	1.51	0.7	12	33	45	3.70
CC76249		0.14	0.003	0.3	1.23	13	<10	120	<0.5	4	3.05	0.6	11	31	34	3.21
CC76250		0.14	0.008	0.3	1.29	10	<10	100	<0.5	4	2.31	0.5	10	18	36	3.86
CC76251		0.14	0.006	0.3	1.22	9	<10	90	<0.5	3	2.50	<0.5	10	17	31	3.71
CC76252		0.16	0.015	0.3	1.31	11	<10	100	<0.5	4	2.42	<0.5	11	17	38	3.96
CC76253		0.14	0.003	0.4	1.14	9	<10	80	<0.5	4	3.98	<0.5	9	15	34	3.47
CC76254		0.18	0.003	0.3	1.34	11	<10	80	<0.5	3	3.03	<0.5	10	17	39	3.99
CC76256		0.20	0.006	0.3	1.60	16	<10	320	<0.5	3	0.43	1.0	14	31	40	3.63
CC76257		0.12	NSS	0.5	1.48	12	<10	350	<0.5	4	1.05	0.9	13	26	39	2.95
CC76258		0.14	0.006	0.6	1.38	12	<10	440	<0.5	4	0.45	1.7	14	26	31	2.87
CC76259		0.22	0.006	0.7	1.40	13	<10	410	<0.5	4	0.73	1.3	12	27	55	3.09
CC76260		0.12	0.010	1.0	1.44	15	<10	410	0.5	4	0.85	2.1	13	28	63	3.03
CC76261		0.04	0.008	0.9	1.18	22	<10	480	<0.5	4	1.74	1.5	11	24	45	3.06
CC76262		0.12	0.009	0.5	0.94	20	<10	380	<0.5	3	1.55	3.8	10	24	48	2.55
CC76263		0.14	0.006	0.5	0.97	15	<10	350	<0.5	3	1.75	2.2	8	21	43	2.38
CC76264		0.14	0.009	0.6	1.20	19	<10	350	0.5	3	1.00	2.5	11	25	49	2.88
CC76265		0.12	0.004	0.6	1.66	13	<10	530	0.5	4	0.70	2.0	13	32	42	3.19
CC76266		0.12	0.007	0.5	1.41	24	<10	520	<0.5	4	1.02	2.9	12	28	41	3.17
CC76267		0.16	0.003	0.7	1.36	22	<10	490	<0.5	3	1.44	20.4	11	25	57	2.79
CC76268		0.12	0.094	0.7	0.76	33	<10	780	<0.5	4	1.56	4.6	7	20	43	2.09
CC76269		0.06	<0.001	0.8	1.00	32	<10	540	<0.5	4	1.18	4.8	8	23	45	2.31
CC76270		0.12	0.078	0.8	0.86	55	<10	310	<0.5	4	2.63	3.4	10	20	52	2.40
CC76271		0.10	<0.001	0.7	0.82	62	<10	350	<0.5	4	1.12	3.7	11	20	38	2.95
CC76272		0.12	0.002	0.7	0.81	45	<10	250	<0.5	4	0.84	2.0	11	19	27	2.73
CC76273		0.10	NSS	0.6	1.01	26	<10	270	0.5	4	1.92	2.2	10	21	54	2.45
CC76274		0.08	NSS	1.2	0.62	59	<10	250	<0.5	4	1.74	2.7	4	13	56	1.60
CC76275		0.16	0.007	0.9	0.66	69	<10	230	<0.5	4	3.40	3.7	10	22	44	2.83
CC76276		0.10	0.014	0.8	0.71	42	<10	300	<0.5	4	2.12	2.4	7	21	32	2.24
CC76277		0.12	0.014	0.7	0.83	42	<10	230	<0.5	3	4.94	3.1	7	19	36	2.38
CC76278		0.24	0.007	0.3	1.22	49	<10	140	<0.5	4	0.35	1.8	8	25	28	3.21
CC76279		0.18	0.006	0.7	1.24	56	<10	340	0.5	3	0.70	2.9	11	27	49	3.06
CC76280		0.10	0.005	0.5	1.32	37	<10	310	0.5	3	0.91	1.4	12	27	26	3.08
CC76281		0.10	<0.001	0.6	1.19	24	<10	310	<0.5	3	3.15	1.6	9	27	47	2.97
CC76282		0.14	0.001	0.3	1.23	12	<10	100	<0.5	3	3.47	<0.5	12	21	35	3.77
CC76283		0.16	0.002	0.3	1.18	14	<10	110	<0.5	3	3.17	<0.5	10	21	34	3.30
CC76284		0.12	0.001	<0.2	1.71	40	<10	130	<0.5	<2	2.19	0.5	27	88	46	4.01

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Project: RAU

CERTIFICATE OF ANALYSIS VA10078945

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC76244		<10	<1	0.07	10	0.77	551	8	0.02	41	1000	53	0.08	3	1	53
CC76245		<10	<1	0.06	10	0.48	277	4	0.01	21	520	30	0.01	<2	2	28
CC76246		<10	<1	0.06	10	2.28	491	7	0.01	37	1010	52	0.03	3	2	50
CC76247		<10	<1	0.06	10	3.46	433	8	0.01	44	2210	50	<0.01	6	2	47
CC76248		<10	<1	0.09	10	1.09	815	1	0.01	37	990	29	0.05	<2	3	27
CC76249		<10	<1	0.08	10	2.16	626	<1	0.02	28	790	22	0.09	<2	3	40
CC76250		<10	<1	0.09	20	1.75	619	<1	0.02	20	750	20	0.10	<2	2	34
CC76251		<10	<1	0.09	20	1.84	636	<1	0.02	20	720	20	0.10	<2	2	32
CC76252		<10	<1	0.10	20	1.93	658	<1	0.02	22	730	22	0.09	<2	2	28
CC76253		<10	<1	0.09	10	2.46	594	<1	0.02	18	680	21	0.08	<2	2	42
CC76254		<10	<1	0.09	20	2.42	327	<1	0.02	19	730	23	0.07	<2	3	33
CC76256		<10	<1	0.08	20	0.67	710	1	0.02	38	670	28	0.05	<2	2	19
CC76257		<10	<1	0.09	10	0.63	692	<1	0.03	32	710	21	0.10	<2	2	28
CC76258		<10	<1	0.07	20	0.51	954	1	0.02	30	720	23	0.08	<2	2	23
CC76259		<10	<1	0.07	20	0.61	534	2	0.02	41	1020	25	0.07	<2	2	24
CC76260		<10	<1	0.08	20	0.60	858	2	0.03	52	780	23	0.08	<2	3	25
CC76261		<10	1	0.09	10	0.61	694	2	0.04	37	970	23	0.13	<2	2	34
CC76262		<10	<1	0.09	10	0.69	805	3	0.02	50	950	30	0.09	<2	2	29
CC76263		<10	<1	0.07	10	0.60	504	2	0.03	39	720	26	0.11	<2	2	26
CC76264		<10	<1	0.08	20	0.58	970	3	0.02	43	940	29	0.10	<2	3	25
CC76265		<10	<1	0.08	20	0.69	551	2	0.04	48	610	32	0.07	<2	3	21
CC76266		<10	<1	0.08	20	0.61	741	2	0.04	49	960	31	0.07	<2	2	25
CC76267		<10	<1	0.07	20	0.67	640	3	0.04	95	940	28	0.09	<2	2	34
CC76268		<10	<1	0.07	10	0.71	418	8	0.04	47	1040	64	0.08	<2	1	45
CC76269		<10	<1	0.08	20	0.48	586	3	0.04	44	1150	56	0.09	<2	2	43
CC76270		<10	<1	0.07	10	1.35	1015	3	0.04	50	1060	41	0.09	4	2	36
CC76271		<10	<1	0.07	10	0.46	1405	6	0.04	60	910	34	0.08	2	2	32
CC76272		<10	<1	0.07	10	0.40	907	5	0.03	43	660	32	0.07	<2	2	25
CC76273		<10	<1	0.08	10	0.59	651	2	0.04	55	810	30	0.12	<2	2	33
CC76274		<10	<1	0.06	10	0.27	184	23	0.04	43	920	51	0.11	3	1	49
CC76275		<10	<1	0.09	10	2.17	396	14	0.03	57	1360	100	0.06	11	2	46
CC76276		<10	1	0.08	10	0.58	236	5	0.04	35	1170	58	0.13	5	1	50
CC76277		<10	<1	0.09	10	2.86	645	9	0.04	39	1020	44	0.09	2	2	55
CC76278		<10	<1	0.06	10	0.41	363	11	0.02	40	650	53	0.04	6	2	19
CC76279		<10	<1	0.05	10	0.49	936	10	0.03	55	1240	70	0.06	4	3	30
CC76280		<10	<1	0.06	10	0.54	489	5	0.04	31	930	45	0.07	<2	3	31
CC76281		<10	<1	0.09	10	1.77	382	4	0.04	33	1120	35	0.13	<2	2	40
CC76282		<10	<1	0.09	20	2.47	694	<1	0.03	27	810	24	0.07	<2	2	39
CC76283		<10	<1	0.08	10	2.15	604	<1	0.03	25	770	21	0.08	<2	3	37
CC76284		<10	<1	0.09	10	1.67	637	1	0.02	116	760	20	0.05	<2	4	38

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 2-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078945

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC76244		<20	0.02	<10	10	39	<10	254
CC76245		<20	0.03	<10	<10	59	<10	132
CC76246		<20	0.02	<10	<10	40	<10	198
CC76247		<20	0.02	<10	<10	42	<10	212
CC76248		<20	0.03	<10	<10	40	<10	127
CC76249		<20	0.03	<10	<10	33	<10	97
CC76250		<20	0.02	<10	<10	24	<10	89
CC76251		<20	0.02	<10	<10	23	<10	86
CC76252		<20	0.02	<10	<10	24	<10	88
CC76253		<20	0.02	<10	<10	21	<10	81
CC76254		<20	0.02	<10	<10	23	<10	84
CC76256		<20	0.01	<10	<10	36	<10	154
CC76257		<20	0.01	<10	<10	33	<10	145
CC76258		<20	0.01	<10	<10	31	<10	130
CC76259		<20	0.01	<10	<10	38	<10	192
CC76260		<20	0.02	<10	<10	41	<10	201
CC76261		<20	0.01	<10	<10	41	<10	211
CC76262		<20	0.01	<10	<10	59	<10	277
CC76263		<20	0.01	<10	<10	42	<10	244
CC76264		<20	0.01	<10	<10	45	<10	234
CC76265		<20	0.01	<10	<10	38	<10	221
CC76266		<20	0.01	<10	<10	41	<10	259
CC76267		<20	0.01	<10	<10	42	<10	967
CC76268		<20	0.01	<10	<10	88	<10	414
CC76269		<20	0.01	<10	<10	70	<10	346
CC76270		<20	0.01	<10	<10	50	<10	328
CC76271		<20	0.01	<10	<10	52	<10	397
CC76272		<20	0.01	<10	<10	49	<10	297
CC76273		<20	0.01	<10	<10	41	<10	288
CC76274		<20	0.02	<10	10	47	<10	145
CC76275		<20	0.02	<10	<10	58	<10	332
CC76276		<20	0.02	<10	<10	47	<10	192
CC76277		<20	0.02	<10	<10	51	<10	229
CC76278		<20	0.04	<10	<10	72	<10	173
CC76279		<20	0.02	<10	<10	59	<10	241
CC76280		<20	0.03	<10	<10	59	<10	174
CC76281		<20	0.02	<10	<10	41	<10	179
CC76282		<20	0.02	<10	<10	27	<10	97
CC76283		<20	0.02	<10	<10	27	<10	91
CC76284		<20	0.02	<10	<10	40	<10	108

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 2-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078945

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC76285		0.10	0.002	0.3	1.50	13	<10	120	0.5	4	2.09	<0.5	13	21	44	4.53
CC76286		0.28	0.002	0.3	1.18	7	<10	80	<0.5	3	4.02	<0.5	11	15	37	3.75
CC76287		0.18	0.001	0.3	1.40	9	<10	120	<0.5	2	3.04	<0.5	10	17	42	3.96
CC76289		0.14	0.002	0.6	1.58	15	<10	480	<0.5	3	0.75	0.6	13	37	35	3.10
CC76290		0.10	0.013	0.5	1.53	20	<10	350	<0.5	3	0.79	<0.5	14	30	45	3.50
CC76291		0.10	0.002	0.5	1.48	14	<10	380	<0.5	3	1.24	1.1	12	26	49	3.00
CC76292		0.10	0.004	0.3	1.40	15	<10	300	<0.5	3	0.78	1.0	13	24	43	3.41
CC76293		0.06	0.001	0.4	1.19	10	<10	540	<0.5	3	1.46	2.1	10	22	50	2.38
CC76294		0.26	<0.001	0.9	0.98	22	<10	440	<0.5	3	2.06	3.8	10	23	63	2.62
CC76295		0.16	<0.001	0.7	1.04	20	<10	470	<0.5	4	1.36	2.4	11	24	47	2.95
CC76296		0.20	0.012	0.5	1.00	20	<10	370	0.5	4	1.44	5.2	9	25	60	2.52
CC76297		0.18	0.004	0.5	0.90	19	<10	220	<0.5	4	3.07	2.9	9	23	43	2.40
CC76298		0.18	0.004	0.6	1.23	23	<10	340	<0.5	4	1.10	2.2	11	31	39	2.97
CC76299		0.14	0.004	0.5	1.20	16	<10	470	<0.5	4	1.57	2.0	10	26	46	2.40
CC76300		0.18	0.047	0.5	1.09	32	<10	350	<0.5	4	1.15	2.7	9	22	35	2.51
CC76301		0.16	0.005	1.1	0.71	97	<10	330	<0.5	3	5.52	3.6	6	15	38	1.73
CC76302		0.10	0.003	0.6	1.26	46	<10	550	<0.5	<2	1.68	3.2	11	23	66	2.59
CC76303		0.14	0.005	0.4	1.17	73	<10	440	<0.5	5	1.70	8.7	10	22	47	2.58
CC76304		0.16	0.006	0.6	1.09	41	<10	370	0.5	<2	1.60	2.5	14	23	47	3.44
CC76305		0.10	NSS	1.2	0.86	125	<10	440	<0.5	2	2.35	10.2	31	13	52	7.94
CC76306		0.06	<0.001	1.1	0.50	34	<10	450	<0.5	<2	2.74	1.6	3	11	24	1.07
CC76307		0.12	NSS	<0.2	0.09	4	<10	140	<0.5	3	3.66	1.7	1	2	11	0.23
CC76308		0.38	0.013	1.3	0.71	55	<10	190	<0.5	2	4.41	4.2	9	22	72	2.55
CC76309		0.20	0.002	0.4	0.43	28	<10	350	<0.5	2	6.37	3.1	6	13	31	1.45
CC76310		0.28	0.005	0.4	1.07	61	<10	350	<0.5	<2	1.81	2.7	10	23	39	2.65
CC76311		0.14	0.004	0.7	1.01	34	<10	200	<0.5	<2	1.30	1.9	6	22	29	2.29
CC76312		0.10	0.011	0.5	0.57	42	<10	350	<0.5	<2	2.82	1.6	6	16	27	1.66
CC76313		0.16	0.003	0.3	0.99	16	<10	210	<0.5	<2	2.35	1.8	8	20	36	2.60
CC76314		0.18	0.001	0.2	1.33	21	<10	160	<0.5	<2	2.94	0.8	14	39	43	3.21
CC76315		0.36	<0.001	0.2	1.12	16	<10	110	<0.5	<2	3.55	0.5	13	21	47	3.55
CC76316		0.34	0.010	0.3	1.18	8	<10	100	<0.5	<2	3.06	0.5	10	16	41	3.62
CC76317		0.36	<0.001	0.3	1.21	9	<10	80	<0.5	<2	3.78	<0.5	11	18	37	3.71
CC76318		0.44	0.001	<0.2	1.39	11	<10	100	<0.5	<2	4.41	0.5	12	20	45	4.11
CC76319		0.50	0.001	<0.2	1.20	9	<10	70	<0.5	<2	5.33	<0.5	11	16	40	3.89

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10078945

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC76285		<10	<1	0.10	20	1.66	829	<1	0.03	28	690	24	0.08	<2	3	27
CC76286		<10	<1	0.08	20	2.92	729	<1	0.03	19	720	23	0.07	<2	2	41
CC76287		<10	1	0.10	10	2.05	600	<1	0.03	20	720	22	0.09	<2	2	35
CC76289		<10	<1	0.07	20	0.71	840	1	0.04	36	950	31	0.10	<2	3	26
CC76290		<10	<1	0.08	20	0.65	690	1	0.04	37	780	28	0.09	<2	2	24
CC76291		<10	<1	0.08	20	0.64	755	<1	0.04	38	900	20	0.12	<2	2	30
CC76292		<10	<1	0.09	30	0.56	640	2	0.04	34	750	25	0.09	<2	2	24
CC76293		<10	<1	0.08	20	0.54	616	<1	0.04	35	690	18	0.11	<2	2	35
CC76294		<10	<1	0.07	20	1.21	518	5	0.03	48	1040	31	0.08	<2	2	35
CC76295		<10	<1	0.08	10	0.52	2280	4	0.03	46	990	26	0.11	<2	2	30
CC76296		<10	<1	0.07	10	0.60	679	3	0.03	76	940	28	0.08	<2	3	27
CC76297		<10	<1	0.07	10	1.95	653	3	0.03	42	1020	30	0.07	<2	3	32
CC76298		<10	<1	0.07	10	0.65	795	2	0.03	43	990	33	0.11	<2	2	26
CC76299		<10	<1	0.06	10	0.60	512	1	0.03	36	980	27	0.15	<2	2	32
CC76300		<10	<1	0.06	20	0.52	485	4	0.03	45	840	27	0.10	<2	2	29
CC76301		<10	<1	0.06	10	3.41	446	2	0.04	31	920	55	0.11	5	1	47
CC76302		<10	1	0.05	10	0.61	944	3	<0.01	54	940	27	0.10	2	2	30
CC76303		<10	1	0.07	10	0.62	576	4	0.01	55	800	44	0.08	<2	2	35
CC76304		<10	1	0.07	10	0.56	936	6	0.01	57	1130	34	0.10	5	3	34
CC76305		<10	1	0.03	<10	0.34	2630	22	0.01	44	1220	30	0.13	5	1	42
CC76306		<10	<1	0.04	<10	0.38	348	10	0.01	21	1050	41	0.13	<2	1	62
CC76307		<10	1	0.01	<10	0.50	69	11	0.02	3	660	2	0.17	<2	<1	42
CC76308		<10	<1	0.07	10	2.58	406	12	<0.01	61	1250	75	0.05	9	2	50
CC76309		<10	1	0.04	<10	2.70	824	12	0.01	30	950	43	0.12	2	1	59
CC76310		<10	<1	0.05	10	0.84	403	12	<0.01	54	820	61	0.04	8	2	41
CC76311		<10	1	0.05	10	0.44	204	7	0.01	33	1000	46	0.06	5	2	31
CC76312		<10	<1	0.06	10	0.57	439	8	0.01	36	1050	41	0.12	3	1	59
CC76313		<10	<1	0.07	10	0.91	501	3	<0.01	26	990	23	0.13	<2	2	37
CC76314		<10	1	0.09	10	1.57	550	1	0.01	56	950	19	0.08	<2	3	45
CC76315		<10	<1	0.06	10	2.35	660	1	<0.01	39	900	19	0.04	<2	3	38
CC76316		<10	<1	0.07	10	1.85	619	<1	<0.01	24	880	22	0.05	<2	3	38
CC76317		<10	<1	0.07	20	2.76	739	<1	<0.01	23	760	26	0.03	<2	3	35
CC76318		<10	<1	0.08	20	2.90	782	1	<0.01	26	820	25	0.03	<2	3	43
CC76319		<10	1	0.06	20	3.37	685	<1	<0.01	21	750	21	0.02	<2	3	46

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VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10078945

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC76285		<20	0.02	<10	<10	27	<10	92
CC76286		<20	0.02	<10	<10	22	<10	83
CC76287		<20	0.02	<10	<10	25	<10	91
CC76289		<20	0.01	<10	<10	37	<10	153
CC76290		<20	0.01	<10	<10	37	<10	145
CC76291		<20	0.01	<10	<10	35	<10	167
CC76292		<20	0.01	<10	<10	34	<10	161
CC76293		<20	0.01	<10	<10	31	<10	161
CC76294		<20	0.01	<10	<10	64	<10	310
CC76295		<20	0.01	<10	<10	47	<10	246
CC76296		<20	0.02	<10	<10	71	<10	415
CC76297		<20	0.02	<10	<10	52	<10	255
CC76298		<20	0.02	<10	<10	50	<10	272
CC76299		<20	0.01	<10	<10	37	<10	218
CC76300		<20	0.01	<10	<10	37	<10	403
CC76301		<20	0.01	<10	<10	45	<10	289
CC76302		<20	0.01	<10	10	35	<10	298
CC76303		<20	0.01	<10	<10	46	<10	542
CC76304		<20	0.01	<10	<10	48	<10	397
CC76305		<20	0.02	<10	10	40	<10	176
CC76306		<20	0.02	<10	10	29	<10	108
CC76307		<20	<0.01	<10	<10	3	<10	54
CC76308		<20	0.02	<10	<10	51	<10	291
CC76309		<20	0.01	<10	10	24	<10	158
CC76310		<20	0.02	<10	<10	67	<10	240
CC76311		<20	0.02	<10	<10	52	<10	141
CC76312		<20	0.01	<10	<10	36	<10	207
CC76313		<20	0.02	<10	<10	28	<10	127
CC76314		<20	0.02	<10	<10	33	<10	123
CC76315		<20	0.01	<10	<10	26	<10	96
CC76316		<20	0.01	<10	<10	24	<10	110
CC76317		<20	0.02	<10	<10	24	<10	91
CC76318		<20	0.02	<10	<10	28	<10	104
CC76319		<20	0.02	<10	<10	22	<10	85

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 2-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078945

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non-sufficient sample.

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 3-JUL-2010
Account: RCM

CERTIFICATE VA10078946

Project: RAU

P.O. No.: NOW

This report is for 193 Soil samples submitted to our lab in Vancouver, BC, Canada on 17-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-31	Pulverize split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
PUL-QC	Pulverizing QC Test
SCR-43	Screen to -500um, discard plus
SCR-01	Screen - Save plus fraction

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 3-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078946

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC76322		0.10	0.003	0.4	1.02	14	<10	420	0.5	3	1.10	1.3	8	25	29	3.16
CC76323		0.12	0.003	0.5	1.40	16	<10	400	<0.5	3	1.11	0.8	11	31	26	3.02
CC76324		0.08	0.003	0.5	1.39	15	<10	370	0.5	2	1.08	1.2	11	27	49	3.33
CC76325		0.10	0.002	0.3	1.39	16	<10	350	<0.5	3	0.86	1.0	12	26	37	3.18
CC76326		0.08	0.005	0.4	1.58	12	<10	390	0.5	3	0.82	1.2	14	28	58	3.32
CC76327		0.08	0.003	0.7	1.19	18	<10	430	0.5	3	0.56	1.4	12	24	43	3.15
CC76328		0.08	0.004	0.9	1.33	18	<10	350	0.5	2	1.31	2.8	12	28	68	3.09
CC76329		0.08	0.008	0.4	1.10	21	<10	370	0.6	2	1.11	5.1	10	30	56	2.65
CC76330		0.10	0.004	0.7	1.38	19	<10	390	0.6	3	1.28	3.6	11	35	59	3.04
CC76331		0.10	0.004	0.6	1.44	22	<10	330	0.5	3	1.23	2.7	15	44	48	3.24
CC76332		0.10	0.002	0.5	1.70	21	<10	440	0.5	4	2.16	2.4	15	52	47	3.39
CC76333		0.12	0.006	0.4	1.35	31	<10	290	<0.5	<2	1.27	2.1	13	37	45	2.86
CC76334		0.14	0.007	0.5	1.01	39	<10	240	<0.5	<2	3.54	3.3	8	19	39	2.42
CC76335		0.08	0.005	0.4	1.36	35	<10	350	<0.5	<2	1.19	3.0	11	25	43	2.88
CC76336		0.08	0.014	1.0	1.20	120	<10	310	<0.5	<2	3.18	2.6	9	22	39	2.87
CC76337		0.18	0.007	0.8	1.02	59	<10	310	<0.5	<2	2.65	3.6	8	18	56	2.42
CC76338		0.10	0.012	0.8	1.29	58	<10	360	<0.5	2	1.72	3.5	11	23	48	2.77
CC76339		0.16	0.020	1.4	0.83	98	<10	290	<0.5	<2	1.19	4.0	9	26	47	2.60
CC76340		0.24	0.011	1.2	0.70	70	<10	150	<0.5	<2	3.29	4.7	8	21	59	2.51
CC76341		0.14	0.007	1.4	0.94	79	<10	260	<0.5	<2	1.25	3.1	8	25	40	2.98
CC76342		0.20	0.007	1.6	1.48	104	<10	220	0.5	<2	1.62	8.0	11	27	52	3.48
CC76343		0.12	0.002	0.4	1.77	35	<10	410	<0.5	2	1.75	2.3	8	30	32	3.80
CC76344		0.16	0.002	0.2	1.21	13	<10	210	<0.5	<2	1.41	1.0	13	22	30	3.38
CC76345		0.18	0.002	<0.2	1.08	13	<10	110	<0.5	<2	2.46	0.6	9	19	37	3.23
CC76346		0.16	0.002	0.2	1.22	11	<10	110	<0.5	<2	3.14	0.5	10	17	42	3.57
CC76347		0.10	0.002	<0.2	1.24	11	<10	120	<0.5	2	3.34	0.5	10	16	41	3.23
CC76348		0.24	0.002	<0.2	1.19	10	<10	100	<0.5	<2	5.63	0.7	10	16	42	3.47
CC76349		0.22	0.001	<0.2	1.25	8	<10	70	<0.5	<2	4.20	0.5	11	15	40	3.91
CC76350		0.12	0.003	<0.2	1.48	5	<10	70	<0.5	<2	2.11	0.6	9	16	48	4.19
CC76351		0.24	0.002	<0.2	1.30	9	<10	70	<0.5	<2	5.03	<0.5	9	16	41	3.89
CC76355		0.36	0.003	0.2	1.43	20	<10	300	<0.5	<2	0.57	0.9	14	27	33	3.72
CC76356		0.24	0.004	0.3	1.48	13	<10	300	<0.5	<2	0.75	0.9	12	28	40	3.39
CC76357		0.20	0.003	0.4	1.51	16	<10	300	0.5	<2	0.92	1.0	14	28	52	3.28
CC76358		0.22	0.003	0.3	1.45	12	<10	310	<0.5	<2	0.85	0.7	11	27	47	3.18
CC76359		0.16	0.003	0.4	1.24	12	<10	410	<0.5	<2	1.11	1.1	11	23	39	2.97
CC76360		0.18	0.003	0.5	1.58	12	<10	460	<0.5	<2	0.62	1.1	10	27	59	3.23
CC76361		0.18	0.002	0.3	1.10	17	<10	340	<0.5	2	2.20	2.9	11	28	41	2.71
CC76362		0.24	0.003	0.2	1.12	19	<10	320	<0.5	<2	1.20	2.7	11	32	40	2.71
CC76363		0.16	0.004	0.5	1.37	20	<10	350	0.5	2	1.56	2.4	12	40	50	2.95
CC76364		0.20	0.004	0.2	2.01	15	<10	440	<0.5	<2	1.91	1.6	18	83	56	3.84

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CERTIFICATE OF ANALYSIS VA10078946

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC76322		<10	<1	0.09	20	0.50	565	1	0.02	25	590	17	0.07	<2	2	35
CC76323		<10	<1	0.09	20	0.63	789	1	0.01	32	810	23	0.05	<2	2	33
CC76324		<10	<1	0.12	20	0.60	739	2	0.02	39	840	22	0.06	<2	3	32
CC76325		<10	<1	0.09	20	0.57	719	1	0.01	34	810	22	0.05	2	2	27
CC76326		<10	<1	0.10	30	0.58	856	2	0.01	40	810	22	0.05	3	3	26
CC76327		<10	<1	0.10	20	0.45	732	4	0.01	41	980	25	0.05	2	2	24
CC76328		<10	<1	0.11	20	0.69	782	3	0.02	48	940	29	0.07	2	3	30
CC76329		<10	<1	0.10	10	0.56	858	3	0.01	82	810	29	0.05	2	3	24
CC76330		<10	<1	0.12	20	0.75	632	3	0.01	60	1030	36	0.06	3	4	31
CC76331		<10	<1	0.10	20	0.91	849	3	0.01	62	1000	35	0.05	3	4	29
CC76332		<10	1	0.12	20	1.35	953	2	0.02	61	1020	28	0.07	3	4	49
CC76333		<10	1	0.07	10	0.82	628	5	0.02	69	1000	42	0.06	6	3	32
CC76334		<10	1	0.09	10	2.17	516	4	0.02	49	930	29	0.05	5	2	38
CC76335		<10	<1	0.09	20	0.60	712	3	0.02	55	880	31	0.06	4	2	29
CC76336		<10	1	0.12	10	1.81	601	4	0.02	48	1140	56	0.07	9	2	38
CC76337		<10	1	0.09	10	1.17	594	4	0.02	49	1030	111	0.13	6	2	33
CC76338		<10	<1	0.12	10	0.72	671	3	0.02	50	1010	58	0.09	4	2	30
CC76339		<10	<1	0.10	10	0.44	363	19	0.02	65	1470	137	0.06	16	2	53
CC76340		<10	1	0.10	10	2.16	337	15	0.01	65	1300	98	0.04	13	2	46
CC76341		<10	<1	0.11	10	0.55	332	22	0.02	57	1230	156	0.06	13	2	44
CC76342		<10	<1	0.11	10	0.99	701	16	0.02	65	1370	136	0.05	14	3	34
CC76343		<10	1	0.13	10	1.17	414	4	0.02	26	690	28	0.07	5	3	31
CC76344		<10	<1	0.09	20	0.88	2080	1	0.02	30	900	31	0.08	<2	3	31
CC76345		<10	<1	0.08	20	1.70	653	1	0.01	26	780	24	0.06	<2	3	32
CC76346		<10	1	0.12	20	2.11	343	1	0.02	23	830	36	0.07	<2	3	42
CC76347		<10	1	0.12	10	1.73	729	1	0.02	22	720	28	0.08	<2	2	48
CC76348		<10	1	0.11	20	3.06	854	1	0.02	25	740	25	0.02	<2	3	56
CC76349		<10	<1	0.11	20	2.64	811	1	0.02	21	720	22	0.03	<2	2	43
CC76350		<10	<1	0.13	20	1.61	504	<1	0.01	18	630	18	0.06	3	3	26
CC76351		<10	<1	0.10	20	2.92	670	<1	0.01	20	740	21	0.03	<2	3	47
CC76355		<10	<1	0.06	20	0.62	833	3	0.01	34	720	27	0.04	<2	2	21
CC76356		<10	1	0.08	20	0.66	661	2	0.02	37	790	24	0.05	<2	3	23
CC76357		<10	1	0.09	20	0.64	820	1	0.02	38	800	24	0.06	<2	2	26
CC76358		<10	<1	0.07	20	0.62	477	1	0.02	35	790	22	0.06	<2	2	26
CC76359		<10	1	0.08	20	0.55	673	2	0.02	32	720	22	0.07	2	2	25
CC76360		<10	<1	0.08	20	0.57	523	2	0.02	42	790	24	0.05	<2	3	22
CC76361		<10	1	0.08	10	1.28	900	4	0.02	60	910	28	0.06	4	3	33
CC76362		<10	<1	0.07	10	0.71	670	3	0.01	62	680	29	0.05	3	3	25
CC76363		<10	1	0.10	10	0.99	627	4	0.02	64	900	30	0.06	<2	3	30
CC76364		<10	<1	0.06	10	2.04	780	3	0.02	81	670	21	0.06	3	6	32

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CERTIFICATE OF ANALYSIS VA10078946

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC76322		<20	0.02	<10	<10	33	<10	127
CC76323		<20	0.02	<10	<10	38	<10	146
CC76324		<20	0.02	<10	<10	41	<10	186
CC76325		<20	0.01	<10	<10	40	<10	168
CC76326		<20	0.01	<10	<10	40	<10	164
CC76327		<20	0.01	<10	<10	59	<10	224
CC76328		<20	0.02	<10	<10	51	<10	231
CC76329		<20	0.02	<10	<10	116	<10	462
CC76330		<20	0.02	<10	<10	80	<10	393
CC76331		<20	0.03	<10	<10	68	<10	311
CC76332		<20	0.03	<10	<10	63	<10	280
CC76333		<20	0.02	<10	<10	59	<10	441
CC76334		<20	0.01	<10	<10	35	<10	428
CC76335		<20	0.01	<10	<10	40	<10	531
CC76336		<20	0.01	<10	<10	40	<10	437
CC76337		<20	0.01	<10	<10	33	<10	419
CC76338		<20	0.01	<10	<10	45	<10	428
CC76339		<20	0.02	<10	<10	80	<10	386
CC76340		<20	0.02	<10	<10	58	<10	409
CC76341		<20	0.02	<10	<10	70	<10	431
CC76342		<20	0.02	<10	<10	64	<10	461
CC76343		<20	0.02	<10	<10	44	<10	160
CC76344		<20	0.02	<10	<10	31	<10	109
CC76345		<20	0.02	<10	<10	26	<10	87
CC76346		<20	0.01	<10	<10	28	<10	107
CC76347		<20	0.01	<10	<10	27	<10	98
CC76348		<20	0.02	<10	<10	29	<10	107
CC76349		<20	0.02	<10	<10	22	<10	83
CC76350		<20	0.01	<10	<10	22	<10	103
CC76351		<20	0.02	<10	<10	24	<10	90
CC76355		<20	0.01	<10	<10	38	<10	136
CC76356		<20	0.01	<10	<10	38	<10	155
CC76357		<20	0.01	<10	<10	35	<10	157
CC76358		<20	0.01	<10	<10	34	<10	146
CC76359		<20	0.01	<10	<10	35	<10	160
CC76360		<20	0.01	<10	<10	37	<10	183
CC76361		<20	0.02	<10	<10	60	<10	333
CC76362		<20	0.02	<10	<10	75	<10	328
CC76363		<20	0.03	<10	<10	68	<10	322
CC76364		<20	0.07	<10	<10	90	<10	220

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Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC76365		0.24	0.004	0.2	1.22	23	<10	260	<0.5	<2	4.03	2.3	12	42	46	2.96
CC76366		0.24	0.004	0.5	1.15	22	<10	290	<0.5	<2	3.62	5.4	11	33	48	2.75
CC76367		0.16	0.004	0.5	1.33	24	<10	380	<0.5	<2	1.67	3.0	14	35	40	3.00
CC76368		0.18	0.005	0.4	1.09	41	<10	260	<0.5	<2	1.28	2.1	10	23	29	2.73
CC76369		0.18	0.006	0.3	0.99	44	<10	240	<0.5	<2	3.51	2.9	9	19	33	2.48
CC76370		0.26	0.007	0.4	0.91	31	<10	180	<0.5	<2	6.08	1.5	6	17	32	1.95
CC76371		0.24	0.005	0.3	0.94	26	<10	190	<0.5	<2	5.63	2.0	8	19	40	2.55
CC76372		0.16	0.002	0.2	0.67	36	<10	140	<0.5	2	1.67	0.6	9	13	24	2.96
CC76373		0.30	0.006	0.8	0.94	51	<10	400	<0.5	3	1.17	2.4	10	23	48	2.95
CC76374		0.44	0.006	0.5	0.95	33	<10	240	<0.5	2	5.96	2.1	9	21	45	2.69
CC76375		0.28	0.006	1.2	0.93	54	<10	390	<0.5	3	2.51	2.7	7	22	46	2.56
CC76376		0.32	0.005	0.7	1.16	56	<10	200	0.5	2	2.20	3.9	10	22	48	3.31
CC76377		0.30	0.016	1.5	1.62	92	<10	350	0.6	4	3.13	4.1	15	51	74	3.89
CC76378		0.28	0.010	0.9	1.12	51	<10	280	<0.5	6	0.64	3.0	9	25	39	2.57
CC76379		0.26	0.005	0.9	1.17	78	<10	200	<0.5	3	1.03	3.1	12	45	40	3.13
CC76380		0.20	0.003	0.4	1.35	15	<10	200	<0.5	2	1.83	2.3	11	25	36	3.40
CC76381		0.26	0.002	0.2	1.23	18	<10	150	<0.5	3	2.58	1.0	12	25	42	3.36
CC76382		0.28	0.002	0.3	1.21	14	<10	120	<0.5	3	4.63	0.6	13	19	41	3.79
CC76383		0.44	0.002	<0.2	1.14	14	<10	130	<0.5	3	6.02	0.6	11	18	40	3.44
CC76384		0.26	0.002	0.3	1.34	11	<10	90	<0.5	3	2.87	<0.5	12	18	39	4.03
CC76385		0.30	0.002	0.3	1.41	14	<10	110	<0.5	3	4.01	<0.5	11	20	40	3.94
CC76386		0.34	0.002	0.2	1.29	11	<10	90	<0.5	3	5.02	<0.5	12	18	42	4.02
CC76387		0.16	0.001	0.2	1.36	9	<10	90	<0.5	3	3.57	<0.5	11	17	41	4.02
CC76388		0.08	0.004	0.5	1.50	17	<10	390	<0.5	2	1.11	1.0	13	39	34	3.03
CC76389		0.06	0.003	0.5	1.48	15	<10	370	<0.5	<2	0.95	1.0	14	37	39	3.21
CC76390		0.04	0.002	0.5	1.18	16	<10	430	<0.5	2	1.93	1.0	12	24	45	2.73
CC76391		0.08	0.004	0.4	1.24	10	<10	410	<0.5	2	1.76	1.1	11	23	42	2.67
CC76392		0.02	0.006	0.3	1.26	11	<10	360	<0.5	2	1.49	1.1	11	26	33	2.77
CC76393		0.04	0.003	0.6	1.23	12	<10	490	<0.5	2	1.40	1.4	11	24	46	2.93
CC76394		0.10	0.004	0.7	1.23	22	<10	440	0.5	2	1.52	4.2	12	30	65	2.98
CC76395		0.04	0.005	0.4	1.46	23	<10	410	0.6	<2	1.34	2.0	14	39	57	3.13
CC76396		0.04	0.004	0.4	1.30	24	<10	360	0.5	2	1.78	2.1	13	37	50	3.22
CC76397		0.06	0.011	0.4	2.14	22	<10	400	<0.5	3	1.38	1.4	22	100	61	4.20
CC76398		0.08	0.004	0.4	1.67	25	<10	370	<0.5	3	1.81	1.9	18	67	43	3.54
CC76399		0.10	0.004	0.4	1.51	26	<10	360	<0.5	3	1.93	2.0	17	58	40	3.32
CC76400		0.10	0.006	0.9	1.25	25	<10	300	<0.5	2	2.88	6.9	12	35	45	2.91
CC76401		0.08	0.005	0.6	1.05	22	<10	270	<0.5	3	4.46	2.6	9	27	33	2.46
CC76402		0.16	0.005	0.6	0.96	28	<10	260	<0.5	4	4.49	3.3	10	24	43	2.38
CC76403		0.10	0.005	0.6	1.25	36	<10	370	<0.5	2	2.32	3.2	11	24	40	2.81
CC76404		0.12	0.007	0.5	1.13	36	<10	270	<0.5	3	3.54	2.2	10	22	42	2.73

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 3-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078946

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC76365		<10	1	0.08	10	2.65	982	4	0.02	58	950	31	0.03	3	4	50
CC76366		<10	<1	0.08	10	2.17	647	3	0.02	49	930	76	0.06	3	3	42
CC76367		<10	<1	0.09	10	0.82	781	2	0.02	50	860	61	0.08	3	3	34
CC76368		<10	<1	0.08	10	0.62	688	4	0.02	42	1140	45	0.06	5	2	28
CC76369		<10	1	0.08	10	2.09	543	4	0.02	45	1010	30	0.05	3	2	40
CC76370		<10	<1	0.07	10	3.88	237	2	0.02	30	1130	65	0.06	3	2	37
CC76371		<10	<1	0.08	10	3.74	599	4	0.02	38	950	56	0.02	3	3	39
CC76372		<10	<1	0.11	10	0.50	518	3	<0.01	31	720	41	0.08	4	2	20
CC76373		<10	<1	0.08	10	0.46	572	5	<0.01	45	1070	59	0.10	5	2	36
CC76374		<10	<1	0.13	10	3.64	633	6	0.01	42	980	43	0.02	5	3	68
CC76375		<10	<1	0.07	10	0.89	303	10	0.01	43	940	84	0.07	8	2	47
CC76376		<10	<1	0.07	10	1.22	422	12	<0.01	56	910	78	0.04	9	3	35
CC76377		<10	1	0.11	10	2.00	643	18	<0.01	91	1250	172	0.03	12	5	61
CC76378		<10	<1	0.06	10	0.44	257	9	<0.01	48	1110	91	0.02	6	3	35
CC76379		<10	<1	0.07	10	0.75	445	15	<0.01	68	740	130	0.04	10	2	33
CC76380		<10	<1	0.10	10	0.96	720	2	<0.01	28	760	26	0.08	<2	3	35
CC76381		<10	<1	0.09	20	1.54	724	1	<0.01	38	840	25	0.06	2	3	35
CC76382		<10	1	0.11	20	2.99	1210	1	0.01	29	830	24	0.03	3	3	52
CC76383		<10	<1	0.10	20	3.57	1115	1	0.01	27	780	23	0.01	2	3	66
CC76384		<10	<1	0.09	20	2.15	844	1	<0.01	24	760	22	0.03	<2	3	32
CC76385		<10	<1	0.11	20	2.67	769	1	0.01	25	810	22	0.03	<2	3	43
CC76386		<10	<1	0.09	20	3.11	993	<1	0.01	24	760	21	0.03	<2	3	55
CC76387		<10	<1	0.12	20	2.33	512	<1	<0.01	21	760	20	0.05	<2	3	40
CC76388		<10	<1	0.09	20	0.75	939	1	0.01	36	720	27	0.06	2	3	33
CC76389		<10	<1	0.11	20	0.71	681	1	0.01	38	800	25	0.04	2	3	28
CC76390		<10	<1	0.09	20	0.65	727	1	0.02	38	860	21	0.08	<2	2	37
CC76391		<10	1	0.10	20	0.61	897	1	0.02	32	800	21	0.09	<2	2	35
CC76392		<10	<1	0.11	20	0.57	772	<1	0.03	29	620	23	0.08	<2	2	34
CC76393		<10	<1	0.11	20	0.56	709	2	0.02	36	900	22	0.07	<2	2	30
CC76394		<10	<1	0.10	20	0.67	884	3	0.01	71	930	34	0.07	2	3	31
CC76395		<10	1	0.10	20	0.77	682	3	0.02	74	580	34	0.05	3	4	29
CC76396		<10	<1	0.11	10	0.94	815	3	0.01	59	790	35	0.05	3	3	33
CC76397		10	<1	0.09	10	1.78	737	3	0.02	107	990	25	0.06	4	5	29
CC76398		<10	<1	0.09	10	1.41	642	2	0.01	71	820	30	0.06	4	5	38
CC76399		<10	<1	0.08	10	1.39	667	3	0.01	74	710	25	0.05	3	5	40
CC76400		<10	<1	0.10	10	1.26	707	2	0.01	51	970	130	0.12	3	3	49
CC76401		<10	<1	0.09	10	2.67	721	2	0.01	42	1140	56	0.06	2	2	42
CC76402		<10	<1	0.08	10	2.52	484	3	0.01	44	1170	44	0.07	6	2	37
CC76403		<10	<1	0.11	10	0.78	766	2	0.01	49	910	35	0.10	3	2	38
CC76404		<10	<1	0.10	10	1.94	861	3	0.01	49	1130	56	0.06	4	2	36

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Project: RAU

Finalized Date: 3-JUL-2010
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CERTIFICATE OF ANALYSIS VA10078946

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC76365		<20	0.04	<10	<10	60	<10	247
CC76366		<20	0.02	<10	<10	45	<10	513
CC76367		<20	0.02	<10	<10	50	<10	396
CC76368		<20	0.01	<10	<10	43	<10	395
CC76369		<20	0.01	<10	<10	36	<10	471
CC76370		<20	0.01	<10	<10	33	<10	294
CC76371		<20	0.02	<10	<10	40	<10	278
CC76372		<20	0.01	<10	<10	25	<10	167
CC76373		<20	0.01	<10	<10	64	<10	259
CC76374		<20	0.02	<10	<10	45	<10	217
CC76375		<20	0.02	<10	<10	52	<10	265
CC76376		<20	0.02	<10	<10	57	<10	241
CC76377		<20	0.05	<10	<10	83	<10	408
CC76378		<20	0.03	<10	<10	60	<10	361
CC76379		<20	0.05	<10	<10	66	<10	348
CC76380		<20	0.02	<10	<10	36	<10	167
CC76381		<20	0.02	<10	<10	33	<10	130
CC76382		<20	0.02	<10	<10	32	<10	115
CC76383		<20	0.02	<10	<10	33	<10	115
CC76384		<20	0.02	<10	<10	28	<10	92
CC76385		<20	0.02	<10	<10	30	<10	108
CC76386		<20	0.02	<10	<10	26	<10	94
CC76387		<20	0.01	<10	<10	23	<10	84
CC76388		<20	0.02	<10	<10	42	<10	132
CC76389		<20	0.02	<10	<10	43	<10	165
CC76390		<20	0.01	<10	<10	42	<10	176
CC76391		<20	0.01	<10	<10	36	<10	129
CC76392		<20	0.01	<10	<10	35	<10	143
CC76393		<20	0.01	<10	<10	41	<10	179
CC76394		<20	0.02	<10	<10	71	<10	379
CC76395		<20	0.02	<10	<10	84	<10	364
CC76396		<20	0.03	<10	<10	63	<10	296
CC76397		<20	0.05	<10	<10	82	<10	311
CC76398		<20	0.05	<10	<10	76	<10	304
CC76399		<20	0.05	<10	<10	71	<10	340
CC76400		<20	0.02	<10	<10	47	<10	812
CC76401		<20	0.02	<10	<10	44	<10	401
CC76402		<20	0.02	<10	<10	45	<10	352
CC76403		<20	0.01	<10	<10	38	<10	475
CC76404		<20	0.01	<10	10	42	<10	358

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CERTIFICATE OF ANALYSIS VA10078946

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC76406		0.08	0.004	0.5	0.89	28	<10	230	<0.5	2	2.53	1.5	9	17	27	2.38
CC76407		0.08	0.002	<0.2	0.33	32	<10	120	<0.5	3	2.44	0.7	40	6	27	2.00
CC76408		0.20	0.007	0.7	0.85	52	<10	230	<0.5	3	3.48	2.8	8	21	40	2.70
CC76409		0.14	0.007	1.0	0.83	53	<10	220	<0.5	<2	4.67	3.1	9	23	44	2.82
CC76410		0.08	0.004	0.5	0.64	31	<10	240	<0.5	<2	2.83	3.3	7	16	38	2.09
CC76411		0.08	<0.001	0.3	0.28	10	<10	250	<0.5	<2	3.88	1.9	2	6	18	0.68
CC76412		0.10	0.006	0.6	0.40	28	<10	430	<0.5	<2	3.87	5.8	5	12	62	1.31
CC76413		0.06	0.001	0.4	0.28	10	<10	320	<0.5	<2	4.70	2.4	2	5	33	0.53
CC76414		0.10	0.001	0.3	1.13	17	<10	130	<0.5	<2	4.27	0.9	8	18	44	2.74
CC76415		0.36	0.004	0.4	1.12	16	<10	130	<0.5	<2	4.07	0.9	10	20	40	3.36
CC76416		0.12	0.003	0.3	1.15	11	<10	120	<0.5	<2	3.56	0.7	10	19	41	3.11
CC76417		0.14	0.002	0.3	1.00	13	<10	100	<0.5	<2	5.25	0.7	10	18	37	3.18
CC76418		0.18	0.002	<0.2	1.30	11	<10	80	<0.5	<2	3.32	0.5	11	19	40	3.90
CC76419		0.28	0.002	<0.2	1.23	12	<10	60	<0.5	<2	4.34	0.7	12	17	41	4.17
CC76420		0.16	0.003	0.2	1.34	13	<10	80	<0.5	<2	5.91	0.5	13	19	48	4.35
CC76421		0.04	0.002	0.4	1.33	13	<10	90	<0.5	<2	3.60	0.5	13	19	52	4.08
CC76422		0.06	0.004	0.4	0.97	24	<10	250	<0.5	<2	2.92	1.5	8	19	27	2.23
CC76423		0.10	0.003	0.7	1.18	38	<10	240	0.5	<2	1.50	2.1	12	23	37	3.22
CC76424		0.10	0.002	0.4	0.81	29	<10	170	<0.5	<2	2.99	1.6	9	17	27	2.48
CC76425		0.02	0.004	0.4	0.49	18	<10	280	<0.5	<2	3.78	1.5	5	10	38	1.27
CC76426		0.06	0.007	0.5	0.95	47	<10	230	<0.5	<2	1.09	2.7	9	25	40	2.65
CC76427		0.08	0.004	0.5	0.66	35	<10	220	<0.5	<2	1.53	1.7	7	22	40	2.21
CC76428		0.06	0.005	0.7	0.91	29	<10	210	<0.5	<2	2.42	2.6	9	25	48	2.60
CC76429		0.10	0.003	0.6	1.22	23	<10	270	<0.5	<2	1.97	2.4	10	26	53	3.14
CC76430		0.14	0.003	0.3	1.10	16	<10	140	<0.5	<2	3.87	1.0	10	21	37	3.10
CC76431		0.10	0.004	0.4	1.15	19	<10	220	0.5	<2	4.45	1.0	10	21	42	3.15
CC76432		0.06	0.003	0.5	1.24	15	<10	150	0.5	<2	4.61	0.9	9	21	44	3.08
CC76433		0.20	0.006	0.3	0.97	13	<10	100	<0.5	<2	8.1	0.7	10	18	38	3.23
CC76434		0.32	0.003	0.8	1.37	16	<10	130	0.5	<2	4.49	3.1	12	23	115	3.90
CC76435		0.34	0.005	0.4	1.24	11	<10	130	<0.5	<2	5.97	0.7	12	23	43	3.64
CC76436		0.20	0.003	0.4	1.44	10	<10	120	0.5	<2	5.31	1.0	13	22	59	4.21
CC76437		0.26	0.005	<0.2	1.33	14	<10	100	<0.5	<2	4.99	0.7	13	23	47	4.11
CC76438		0.18	0.002	0.2	1.50	12	<10	120	0.5	<2	3.33	0.9	12	23	60	4.46
CC76439		0.08	0.004	<0.2	1.74	17	<10	460	0.6	<2	1.12	1.2	12	56	37	3.61
CC76440		0.02	0.006	0.8	1.96	19	<10	360	0.6	<2	1.24	2.0	11	42	64	3.42
CC76441		0.14	0.004	0.2	1.57	18	<10	320	0.5	<2	0.85	1.1	12	45	33	3.43
CC76442		0.02	0.007	0.7	2.08	24	<10	570	0.7	<2	1.25	2.5	12	45	73	4.01
CC76443		0.12	0.002	0.4	1.44	17	<10	350	0.5	<2	1.02	1.2	12	40	36	3.26
CC76444		0.10	0.004	0.6	1.73	14	<10	390	0.6	<2	0.86	1.2	12	35	44	3.53
CC76445		0.10	0.003	0.6	1.47	13	<10	440	0.6	<2	1.47	1.8	12	45	62	3.17

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	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC76406		<10	<1	0.11	10	0.62	482	2	0.01	30	1000	40	0.12	2	1	33
CC76407		<10	<1	0.11	10	0.40	3370	2	0.01	463	720	27	0.11	3	1	30
CC76408		<10	<1	0.12	10	1.91	379	12	0.01	48	930	56	0.04	8	2	48
CC76409		<10	1	0.10	10	2.96	485	11	0.01	55	1220	67	0.03	6	2	38
CC76410		<10	<1	0.09	10	0.63	666	10	0.02	39	1040	33	0.11	4	1	45
CC76411		<10	1	0.03	<10	0.56	160	3	0.03	11	910	10	0.19	<2	<1	52
CC76412		<10	<1	0.05	<10	0.62	324	3	0.02	33	1000	51	0.17	2	<1	55
CC76413		<10	<1	0.02	<10	0.57	113	3	0.03	20	960	16	0.21	<2	<1	64
CC76414		<10	<1	0.12	10	1.60	710	1	0.01	26	830	19	0.08	<2	2	51
CC76415		<10	<1	0.08	10	2.75	866	1	0.01	28	890	26	0.02	<2	3	37
CC76416		<10	<1	0.11	10	2.05	806	1	0.01	26	830	22	0.05	<2	3	41
CC76417		<10	<1	0.09	10	3.31	976	<1	0.01	23	790	23	0.03	<2	2	45
CC76418		<10	<1	0.11	20	2.36	791	<1	0.01	26	820	25	0.03	<2	3	34
CC76419		<10	<1	0.09	20	3.18	860	<1	0.01	23	770	22	0.02	<2	3	42
CC76420		<10	<1	0.13	20	3.33	1120	<1	0.01	25	810	18	0.01	<2	3	55
CC76421		<10	1	0.14	10	2.28	924	<1	0.01	27	910	19	0.05	<2	3	43
CC76422		<10	<1	0.10	10	1.25	429	2	0.02	30	980	35	0.09	<2	2	33
CC76423		10	<1	0.13	10	0.63	975	3	0.02	44	850	51	0.07	2	3	30
CC76424		<10	<1	0.10	10	1.50	574	2	0.02	37	990	37	0.07	<2	2	31
CC76425		<10	<1	0.05	<10	0.68	609	3	0.03	27	830	29	0.12	<2	1	48
CC76426		<10	<1	0.10	10	0.51	331	7	0.01	47	1070	59	0.03	4	2	33
CC76427		<10	<1	0.11	10	0.45	488	11	0.02	44	780	36	0.06	4	1	30
CC76428		<10	<1	0.11	10	1.23	355	7	0.02	43	1080	39	0.06	2	2	30
CC76429		<10	<1	0.11	10	0.88	673	5	0.01	46	960	35	0.12	<2	2	34
CC76430		<10	<1	0.09	10	2.36	889	1	0.01	29	900	27	0.05	<2	3	41
CC76431		10	1	0.10	10	2.75	994	1	0.01	31	920	27	0.04	<2	3	43
CC76432		10	1	0.13	10	2.56	602	<1	0.02	28	880	26	0.05	<2	3	46
CC76433		<10	1	0.10	10	5.30	1130	<1	0.01	23	780	23	0.01	<2	2	52
CC76434		10	<1	0.18	10	3.18	1185	<1	0.01	27	860	33	0.05	<2	3	41
CC76435		<10	<1	0.18	10	4.00	1315	<1	0.01	26	810	25	0.02	<2	3	49
CC76436		10	1	0.24	10	3.45	1180	<1	0.02	29	790	25	0.02	<2	3	48
CC76437		10	<1	0.19	20	3.45	1115	1	0.01	26	820	21	0.02	<2	3	47
CC76438		<10	1	0.21	20	2.35	1225	<1	0.01	25	870	23	0.05	<2	3	41
CC76439		10	<1	0.32	30	0.77	809	2	0.05	39	850	27	0.03	<2	3	39
CC76440		<10	<1	0.32	20	0.77	767	1	0.05	35	610	32	0.06	<2	4	37
CC76441		<10	<1	0.21	30	0.68	648	1	0.02	36	790	22	0.03	<2	3	31
CC76442		10	<1	0.36	20	0.66	794	3	0.07	41	770	39	0.07	<2	4	39
CC76443		<10	<1	0.17	20	0.57	667	2	0.03	38	850	24	0.04	<2	3	28
CC76444		10	<1	0.26	30	0.59	602	2	0.04	34	800	28	0.04	<2	3	29
CC76445		<10	<1	0.22	20	0.70	681	2	0.03	56	930	26	0.06	<2	3	34

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 3-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078946

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC76406		<20	0.01	<10	10	33	<10	239
CC76407		<20	<0.01	<10	20	10	<10	346
CC76408		<20	0.02	<10	<10	61	<10	246
CC76409		<20	0.02	<10	<10	60	<10	327
CC76410		<20	0.01	<10	<10	48	<10	231
CC76411		<20	0.01	<10	<10	11	<10	84
CC76412		<20	0.01	<10	10	23	<10	189
CC76413		<20	0.01	<10	10	10	<10	70
CC76414		<20	0.01	<10	<10	30	<10	134
CC76415		<20	0.02	<10	<10	36	<10	134
CC76416		<20	0.02	<10	<10	32	<10	128
CC76417		<20	0.02	<10	<10	29	<10	101
CC76418		<20	0.02	<10	<10	30	<10	107
CC76419		<20	0.02	<10	<10	28	<10	92
CC76420		<20	0.03	<10	<10	31	<10	89
CC76421		<20	0.02	<10	<10	29	<10	115
CC76422		<20	0.01	<10	<10	32	<10	264
CC76423		<20	0.02	<10	<10	43	<10	352
CC76424		<20	0.01	<10	<10	32	<10	248
CC76425		<20	0.01	<10	<10	24	<10	163
CC76426		<20	0.02	<10	<10	62	<10	265
CC76427		<20	0.01	<10	<10	56	<10	211
CC76428		<20	0.02	<10	<10	52	<10	227
CC76429		<20	0.02	<10	<10	36	<10	188
CC76430		<20	0.02	<10	<10	36	<10	144
CC76431		<20	0.02	<10	<10	38	<10	148
CC76432		<20	0.02	<10	<10	35	<10	157
CC76433		<20	0.03	<10	<10	31	<10	121
CC76434		<20	0.02	<10	<10	38	<10	249
CC76435		<20	0.02	<10	<10	34	<10	112
CC76436		<20	0.03	<10	<10	35	<10	121
CC76437		<20	0.02	<10	<10	34	<10	102
CC76438		<20	0.02	<10	<10	36	<10	110
CC76439		<20	0.03	<10	<10	62	<10	144
CC76440		<20	0.02	<10	<10	55	<10	191
CC76441		<20	0.02	<10	<10	49	<10	148
CC76442		<20	0.02	<10	<10	87	<10	250
CC76443		<20	0.02	<10	<10	53	<10	168
CC76444		<20	0.02	<10	<10	60	<10	178
CC76445		<20	0.02	<10	<10	53	<10	250

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Project: RAU

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CERTIFICATE OF ANALYSIS VA10078946

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC76446		0.06	0.002	0.6	1.57	23	<10	380	0.5	<2	1.38	3.9	12	44	50	3.38
CC76447		0.06	0.004	0.4	1.62	22	<10	480	0.6	<2	1.85	2.6	13	78	45	4.20
CC76448		0.06	0.002	0.3	1.63	25	<10	410	0.5	<2	1.50	1.6	15	62	54	3.88
CC76449		0.06	0.003	0.4	1.84	21	<10	360	0.5	<2	1.62	1.6	16	80	58	3.74
CC76450		0.04	0.004	0.6	1.61	38	<10	300	0.6	<2	1.89	2.4	14	43	46	3.74
CC76451		0.06	0.003	0.5	1.25	29	<10	290	<0.5	<2	2.20	2.1	12	55	39	3.07
CC76452		0.16	0.004	0.5	0.90	25	<10	190	<0.5	<2	6.05	3.2	9	26	34	2.34
CC76453		0.14	0.005	0.8	1.01	26	<10	240	<0.5	<2	4.79	2.8	8	33	43	2.27
CC76454		0.10	0.003	0.5	1.12	22	<10	210	<0.5	<2	4.61	2.6	7	25	40	2.20
CC76455		0.14	0.003	0.3	1.83	16	<10	390	0.6	<2	0.62	1.3	13	37	48	3.68
CC76456		0.04	0.005	0.4	1.56	17	<10	460	0.6	<2	1.52	1.6	12	59	46	3.22
CC76457		0.08	0.003	0.4	1.66	17	<10	430	0.6	<2	1.11	1.3	11	37	44	3.34
CC76458		0.04	0.003	0.3	1.55	15	<10	370	0.5	<2	1.43	1.3	11	59	40	3.03
CC76459		0.14	0.015	0.5	1.40	15	<10	350	<0.5	<2	1.29	1.4	11	31	45	2.98
CC76460		0.14	0.005	0.5	1.26	14	<10	400	0.5	<2	1.58	1.7	10	39	48	2.72
CC76461		0.10	0.004	0.6	1.40	15	<10	370	0.5	<2	2.85	1.7	11	30	49	2.88
CC76462		0.06	0.006	0.6	1.54	13	<10	450	0.5	2	1.56	3.2	11	55	48	3.03
CC76463		0.06	0.007	0.5	1.69	22	<10	390	0.6	<2	1.63	3.1	14	48	61	3.56
CC76464		0.08	0.004	0.3	2.08	20	<10	420	0.6	<2	1.62	1.5	17	78	43	3.97
CC76465		0.04	0.005	0.4	1.93	22	<10	410	0.5	<2	1.54	2.1	17	63	54	3.86
CC76466		0.08	0.005	0.4	1.14	29	<10	240	<0.5	<2	1.98	6.3	16	48	36	3.08
CC76467		0.06	0.006	0.4	1.44	41	<10	300	0.6	<2	1.11	2.5	22	35	37	4.23
CC76468		0.08	0.004	0.4	1.47	25	<10	290	0.5	<2	2.56	1.8	13	50	38	3.34
CC76469		0.06	0.006	0.8	1.44	26	<10	260	0.5	<2	3.49	2.7	10	40	43	3.26
CC76470		0.10	0.005	0.4	0.91	24	<10	210	<0.5	<2	6.22	2.7	8	33	29	2.22
CC76471		0.04	0.007	0.4	1.67	37	<10	310	0.6	<2	1.35	2.5	12	32	29	3.47
CC76472		0.18	0.008	0.9	1.14	44	<10	280	<0.5	<2	3.12	1.8	10	36	50	3.24
CC76473		0.18	0.003	0.3	2.43	19	<10	210	0.7	<2	0.30	0.9	12	37	21	3.58
CC76474		0.10	0.006	0.8	1.75	45	<10	210	0.7	<2	2.59	3.2	15	67	46	3.86
CC76475		0.10	0.001	<0.2	1.21	35	<10	370	<0.5	<2	2.49	2.9	18	38	42	3.79
CC76476		0.10	0.005	0.5	1.27	29	<10	260	0.5	<2	4.30	2.6	12	28	37	3.70
CC76477		0.08	0.002	0.2	1.48	21	<10	180	0.5	<2	2.00	1.9	12	44	43	3.60
CC76478		0.12	0.008	0.2	1.44	18	<10	190	0.5	<2	3.44	1.0	10	35	40	3.34
CC76479		0.08	0.002	0.3	1.33	12	<10	180	0.5	<2	4.62	0.7	9	24	37	3.09
CC76480		0.12	0.003	0.3	1.12	11	<10	120	<0.5	<2	5.35	0.8	9	25	38	3.18
CC76481		0.12	0.003	0.4	1.04	14	<10	170	<0.5	<2	8.0	0.7	12	18	45	2.81
CC76482		0.12	0.004	0.3	1.01	11	<10	150	<0.5	<2	8.9	0.5	10	21	31	2.61
CC76483		0.22	0.004	0.3	1.15	6	<10	150	<0.5	<2	9.0	<0.5	12	18	44	2.83
CC76484		0.20	0.005	0.3	1.17	10	<10	180	<0.5	<2	6.60	<0.5	13	23	43	2.93
CC76485		0.30	0.004	0.3	1.32	11	<10	120	<0.5	<2	8.3	<0.5	11	17	39	3.37

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CERTIFICATE OF ANALYSIS VA10078946

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC76446		10	<1	0.26	20	0.74	706	4	0.04	58	770	35	0.06	<2	4	32
CC76447		<10	<1	0.28	10	1.02	2570	4	0.04	73	950	45	0.06	<2	4	39
CC76448		<10	<1	0.23	20	1.33	857	4	0.03	67	990	32	0.04	<2	5	28
CC76449		10	<1	0.18	10	1.27	693	4	0.02	76	880	32	0.06	<2	5	33
CC76450		<10	<1	0.32	20	1.09	785	5	0.03	76	720	46	0.05	<2	4	31
CC76451		<10	<1	0.20	10	1.03	641	3	0.01	62	850	44	0.07	<2	3	39
CC76452		<10	<1	0.16	10	3.71	618	3	0.01	38	1060	77	0.06	<2	2	42
CC76453		10	<1	0.15	10	2.52	604	3	0.02	44	1050	48	0.08	2	2	41
CC76454		10	<1	0.16	10	2.74	429	2	0.02	35	1110	53	0.06	2	3	33
CC76455		10	<1	0.24	30	0.70	553	2	0.03	42	860	27	0.02	<2	4	28
CC76456		10	<1	0.24	20	0.71	963	1	0.04	41	830	24	0.06	<2	4	40
CC76457		<10	<1	0.25	20	0.69	893	2	0.04	37	880	25	0.05	<2	3	38
CC76458		10	<1	0.24	20	0.71	761	1	0.04	38	640	22	0.06	<2	3	41
CC76459		10	<1	0.18	20	0.67	609	1	0.03	38	920	22	0.08	<2	3	37
CC76460		<10	<1	0.17	20	0.61	643	1	0.03	37	860	24	0.07	<2	2	33
CC76461		<10	<1	0.21	10	1.50	839	1	0.03	49	970	29	0.07	<2	3	36
CC76462		10	<1	0.22	20	0.69	639	2	0.04	57	660	24	0.08	<2	3	36
CC76463		<10	<1	0.22	10	0.92	1075	3	0.04	79	880	32	0.08	<2	4	36
CC76464		10	<1	0.24	10	1.35	700	3	0.03	70	810	30	0.06	<2	5	37
CC76465		10	1	0.25	10	1.14	736	5	0.04	90	920	32	0.07	2	5	40
CC76466		<10	<1	0.20	10	1.12	709	7	0.02	164	970	31	0.06	6	3	28
CC76467		<10	<1	0.23	20	0.63	1245	7	0.02	209	820	44	0.05	<2	4	28
CC76468		<10	<1	0.26	10	1.41	655	3	0.02	84	900	41	0.07	<2	4	40
CC76469		<10	<1	0.27	10	2.03	462	3	0.03	46	1050	113	0.08	<2	4	40
CC76470		<10	<1	0.14	10	3.87	886	3	0.02	34	1160	35	0.06	3	2	37
CC76471		10	<1	0.29	20	0.68	894	3	0.03	44	570	54	0.06	<2	4	30
CC76472		<10	<1	0.17	10	2.04	366	8	0.01	50	1060	159	0.04	13	3	32
CC76473		10	<1	0.12	20	0.53	397	2	0.01	35	610	30	0.01	<2	4	18
CC76474		<10	<1	0.24	20	1.63	659	8	0.02	59	1170	100	0.05	4	4	30
CC76475		<10	<1	0.58	20	1.79	446	8	<0.01	94	1370	28	0.04	<2	2	37
CC76476		10	1	0.25	10	2.88	1000	7	0.02	40	1080	43	0.04	<2	3	40
CC76477		<10	<1	0.22	20	1.21	791	2	0.02	38	870	36	0.07	<2	3	32
CC76478		10	<1	0.21	10	2.35	609	1	0.02	29	910	27	0.05	<2	3	36
CC76479		<10	<1	0.22	10	2.39	721	1	0.02	26	800	25	0.06	<2	3	44
CC76480		<10	<1	0.16	10	3.52	1055	<1	0.01	24	820	27	0.03	<2	3	43
CC76481		<10	<1	0.19	10	4.50	1625	1	0.04	24	730	30	0.04	<2	3	68
CC76482		<10	<1	0.19	10	4.64	1100	1	0.03	19	640	28	0.04	<2	2	85
CC76483		<10	<1	0.20	10	4.75	1165	1	0.03	22	730	24	0.02	<2	3	81
CC76484		<10	<1	0.19	10	4.31	1115	1	0.03	22	760	24	0.03	<2	3	64
CC76485		<10	<1	0.22	10	4.05	982	1	0.03	19	650	22	0.02	<2	3	90

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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC76446		<20	0.04	<10	<10	104	<10	431
CC76447		<20	0.04	<10	<10	70	<10	443
CC76448		<20	0.08	<10	<10	88	<10	244
CC76449		<20	0.04	<10	<10	79	<10	308
CC76450		<20	0.03	<10	<10	72	<10	561
CC76451		<20	0.03	<10	<10	51	<10	352
CC76452		<20	0.02	<10	<10	42	<10	382
CC76453		<20	0.02	<10	<10	42	<10	334
CC76454		<20	0.02	<10	<10	46	<10	340
CC76455		<20	0.03	<10	<10	59	<10	161
CC76456		<20	0.03	<10	<10	54	<10	169
CC76457		<20	0.03	<10	<10	57	<10	161
CC76458		<20	0.03	<10	<10	50	<10	153
CC76459		<20	0.02	<10	<10	43	<10	150
CC76460		<20	0.01	<10	<10	40	<10	168
CC76461		<20	0.02	<10	<10	44	<10	249
CC76462		<20	0.02	<10	<10	64	<10	323
CC76463		<20	0.03	<10	<10	83	<10	362
CC76464		<20	0.04	<10	<10	80	<10	373
CC76465		<20	0.04	<10	<10	80	<10	406
CC76466		<20	0.03	<10	<10	52	<10	1190
CC76467		<20	0.03	<10	<10	60	<10	1440
CC76468		<20	0.02	<10	<10	54	<10	627
CC76469		<20	0.03	<10	<10	59	<10	576
CC76470		<20	0.02	<10	<10	46	<10	309
CC76471		<20	0.02	<10	<10	59	<10	388
CC76472		<20	0.03	<10	<10	47	<10	220
CC76473		<20	0.05	<10	<10	69	<10	121
CC76474		<20	0.03	<10	<10	64	<10	235
CC76475		<20	0.09	<10	<10	100	<10	296
CC76476		<20	0.03	<10	<10	60	<10	213
CC76477		<20	0.02	<10	<10	47	<10	152
CC76478		<20	0.02	<10	<10	47	<10	158
CC76479		<20	0.02	<10	<10	40	<10	132
CC76480		<20	0.03	<10	<10	34	<10	117
CC76481		<20	0.02	<10	<10	30	<10	114
CC76482		<20	0.02	<10	<10	27	<10	102
CC76483		<20	0.03	<10	<10	32	<10	107
CC76484		<20	0.02	<10	<10	31	<10	113
CC76485		<20	0.02	<10	<10	27	<10	88

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 3-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078946

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC76486		0.24	0.002	0.2	1.24	10	<10	130	<0.5	<2	8.7	<0.5	14	23	48	3.54
CC76487		0.34	0.005	0.2	1.43	11	<10	130	<0.5	<2	5.36	<0.5	14	21	54	4.14
CC76488		0.20	0.005	0.3	1.82	14	<10	300	0.6	<2	0.65	0.6	15	40	58	3.24
CC76489		0.20	0.004	0.4	1.68	13	<10	310	0.5	<2	1.28	0.7	14	31	57	2.81
CC76490		0.24	0.004	0.4	1.32	12	<10	330	<0.5	<2	1.10	0.8	12	31	37	2.74
CC76491		0.24	0.005	0.4	1.32	14	<10	330	<0.5	<2	1.02	0.8	12	27	30	2.81
CC76492		0.20	0.066	0.4	1.14	13	<10	460	<0.5	<2	1.67	1.1	10	38	33	2.74
CC76493		0.40	0.006	0.3	1.22	18	<10	290	<0.5	<2	0.93	1.3	12	26	34	3.13
CC76494		0.26	0.007	0.5	1.32	22	<10	430	<0.5	<2	4.81	1.3	12	41	46	2.98
CC76495		0.24	0.005	0.6	1.49	18	<10	450	0.5	<2	3.15	1.5	12	31	48	3.17
CC76496		0.24	0.005	0.5	1.30	20	<10	410	<0.5	<2	1.93	3.1	13	44	49	2.90
CC76497		0.24	0.007	0.4	1.42	20	<10	320	<0.5	<2	1.78	1.2	15	42	43	3.07
CC76498		0.18	0.005	0.3	1.28	18	<10	290	<0.5	<2	1.68	2.0	13	50	41	2.76
CC76499		0.18	0.007	0.3	1.20	28	<10	250	<0.5	<2	1.56	8.2	19	35	40	2.98
CC76500		0.20	0.006	0.2	1.10	24	<10	220	<0.5	<2	2.60	2.1	14	37	30	2.73
CC76501		0.24	0.005	0.4	1.23	28	<10	270	0.5	<2	2.90	1.6	13	28	38	3.10
CC76502		0.20	0.005	0.8	1.13	22	<10	240	<0.5	<2	3.71	3.1	12	38	39	2.74
CC76503		0.26	0.006	0.6	1.17	27	<10	270	<0.5	<2	2.69	2.5	11	25	37	2.64
CC76504		0.22	0.008	0.7	1.22	34	<10	320	0.5	<2	2.18	3.4	12	34	51	2.76
CC76505		0.26	0.007	1.4	1.10	56	<10	230	<0.5	<2	2.43	3.3	13	30	40	3.42
CC76506		0.20	0.013	0.3	0.30	18	<10	150	<0.5	<2	3.62	1.2	4	18	18	0.94
CC76507		0.18	0.017	0.3	0.97	20	<10	180	<0.5	<2	2.93	1.4	8	20	29	2.66
CC76508		0.24	0.004	0.4	1.12	19	<10	170	<0.5	<2	2.72	1.5	10	30	34	2.86
CC76509		0.30	0.005	0.4	1.26	17	<10	230	0.5	<2	4.67	0.8	12	21	42	3.15
CC76510		0.46	0.004	0.4	1.09	15	<10	170	<0.5	<2	6.64	0.8	12	23	50	3.01
CC76511		0.42	0.005	0.4	1.19	13	<10	150	<0.5	<2	5.85	<0.5	12	21	39	3.11
CC76512		0.40	0.004	0.4	0.85	12	<10	170	<0.5	<2	10.3	0.5	11	19	30	2.55
CC76513		0.12	0.003	0.3	1.13	11	<10	180	<0.5	<2	8.6	0.5	10	20	30	2.60
CC76514		0.50	0.004	0.3	1.01	8	<10	150	<0.5	<2	9.4	0.5	11	19	34	2.79
CC76515		0.40	0.003	0.3	1.11	11	<10	130	<0.5	<2	9.5	<0.5	11	17	35	2.87
CC76516		0.38	0.004	0.3	1.11	9	<10	80	<0.5	<2	6.34	<0.5	13	18	44	3.29
CC76517		0.44	0.004	0.3	1.30	11	<10	120	<0.5	<2	5.35	<0.5	13	22	64	3.34
CC76518		0.26	0.005	0.3	1.51	9	<10	150	<0.5	<2	3.37	<0.5	14	28	53	3.76

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1016-510 W HASTINGS ST
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Project: RAU

Finalized Date: 3-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078946

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC76486		<10	<1	0.23	10	4.38	1475	1	0.03	24	740	22	0.01	<2	3	87
CC76487		<10	<1	0.20	20	3.58	1260	1	0.03	25	790	23	0.02	<2	3	64
CC76488		<10	<1	0.14	40	0.64	761	2	0.03	28	830	30	0.03	<2	4	26
CC76489		<10	1	0.15	20	0.72	678	2	0.04	30	820	23	0.05	<2	3	33
CC76490		<10	1	0.11	20	0.62	708	2	0.03	32	750	23	0.03	<2	3	31
CC76491		<10	<1	0.13	20	0.61	656	2	0.03	28	690	21	0.04	<2	3	30
CC76492		<10	<1	0.14	20	0.59	570	3	0.04	33	700	18	0.06	<2	2	40
CC76493		<10	<1	0.12	20	0.57	525	3	0.03	40	900	24	0.02	<2	2	26
CC76494		<10	<1	0.16	10	2.99	718	3	0.04	48	940	36	0.06	2	3	49
CC76495		<10	<1	0.17	20	1.83	908	3	0.04	48	940	30	0.05	2	3	37
CC76496		<10	<1	0.13	10	0.97	844	4	0.03	68	930	32	0.05	3	3	33
CC76497		<10	<1	0.11	10	0.91	571	3	0.03	53	820	30	0.07	2	3	36
CC76498		<10	<1	0.11	10	0.83	483	4	0.03	64	630	24	0.08	2	3	30
CC76499		<10	<1	0.13	10	0.72	837	7	0.03	127	740	30	0.07	4	3	29
CC76500		<10	<1	0.14	10	0.87	788	5	0.03	162	700	30	0.07	3	2	39
CC76501		<10	<1	0.17	10	1.46	754	5	0.03	98	810	40	0.05	2	3	38
CC76502		<10	1	0.13	10	2.02	725	3	0.03	46	930	91	0.06	3	3	42
CC76503		<10	<1	0.13	10	1.34	740	3	0.03	45	1030	50	0.06	2	2	29
CC76504		<10	<1	0.16	10	0.71	995	3	0.03	55	940	55	0.10	4	3	34
CC76505		<10	1	0.21	10	1.22	699	9	0.03	49	1120	172	0.06	20	3	36
CC76506		<10	<1	0.09	<10	0.65	220	10	0.03	18	710	15	0.15	2	<1	67
CC76507		<10	<1	0.15	10	1.41	522	4	0.03	28	850	33	0.07	3	2	42
CC76508		<10	<1	0.15	10	1.37	633	3	0.03	30	800	30	0.07	2	2	41
CC76509		<10	<1	0.16	10	2.44	1150	1	0.03	27	790	35	0.05	<2	3	54
CC76510		<10	<1	0.16	10	4.37	1360	1	0.03	32	770	29	0.01	<2	3	57
CC76511		<10	<1	0.17	10	4.02	1055	1	0.03	23	780	26	0.03	<2	3	52
CC76512		<10	<1	0.14	10	5.01	1370	1	0.03	19	650	25	0.02	<2	2	95
CC76513		<10	<1	0.23	10	3.77	1000	1	0.04	20	720	21	0.05	2	3	105
CC76514		<10	1	0.16	10	5.25	1255	1	0.03	21	700	27	0.02	<2	2	78
CC76515		<10	1	0.18	10	5.49	1095	1	0.03	20	670	24	0.01	<2	2	78
CC76516		<10	<1	0.15	10	4.03	1150	1	0.02	20	760	21	0.03	<2	2	83
CC76517		<10	<1	0.19	10	3.27	1030	1	0.03	42	730	24	0.06	<2	3	59
CC76518		<10	<1	0.21	10	1.94	1235	1	0.03	28	810	18	0.09	<2	3	54

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Project: RAU

Finalized Date: 3-JUL-2010
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CERTIFICATE OF ANALYSIS VA10078946

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC76486		<20	0.03	<10	<10	31	<10	90
CC76487		<20	0.02	<10	<10	33	<10	96
CC76488		<20	0.02	<10	<10	50	<10	139
CC76489		<20	0.02	<10	<10	42	<10	141
CC76490		<20	0.02	<10	<10	40	<10	133
CC76491		<20	0.02	<10	<10	41	<10	137
CC76492		<20	0.02	<10	<10	44	<10	146
CC76493		<20	0.02	<10	<10	44	<10	194
CC76494		<20	0.02	<10	<10	45	<10	222
CC76495		<20	0.02	<10	<10	49	<10	249
CC76496		<20	0.02	<10	<10	70	<10	357
CC76497		<20	0.02	<10	<10	58	<10	241
CC76498		<20	0.02	<10	<10	48	<10	237
CC76499		<20	0.02	<10	<10	48	<10	869
CC76500		<20	0.01	<10	<10	38	<10	1250
CC76501		<20	0.02	<10	<10	45	<10	606
CC76502		<20	0.02	<10	<10	45	<10	391
CC76503		<20	0.01	<10	<10	43	<10	353
CC76504		<20	0.01	<10	<10	41	<10	386
CC76505		<20	0.02	<10	<10	52	<10	265
CC76506		<20	0.01	<10	<10	15	<10	98
CC76507		<20	0.01	<10	<10	38	<10	131
CC76508		<20	0.02	<10	<10	34	<10	140
CC76509		<20	0.02	<10	<10	36	<10	140
CC76510		<20	0.03	<10	<10	34	<10	125
CC76511		<20	0.02	<10	<10	32	<10	119
CC76512		<20	0.02	<10	<10	28	<10	102
CC76513		<20	0.02	<10	<10	32	<10	113
CC76514		<20	0.02	<10	<10	28	<10	115
CC76515		<20	0.02	<10	<10	27	<10	108
CC76516		<20	0.02	<10	<10	25	<10	90
CC76517		<20	0.03	<10	<10	33	<10	123
CC76518		<20	0.02	<10	<10	32	<10	94

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Finalized Date: 3-JUL-2010
Account: RCM

CERTIFICATE VA10078947

Project: RAU

P.O. No.: NOW

This report is for 263 Soil samples submitted to our lab in Vancouver, BC, Canada on 17-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-31	Pulverize split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
PUL-QC	Pulverizing QC Test
SCR-43	Screen to -500um, discard plus
SCR-01	Screen - Save plus fraction

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS VA10078947

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC76521		0.08	NSS	0.3	0.92	10	<10	360	<0.5	<2	2.56	1.3	10	21	45	1.98
CC76522		0.12	0.009	0.4	1.39	13	<10	380	0.5	<2	1.61	1.0	11	32	51	2.78
CC76523		0.10	NSS	7.1	1.29	38	<10	330	<0.5	2	1.56	29.3	12	28	870	3.04
CC76524		0.08	0.030	10.6	1.41	50	<10	150	0.5	7	1.44	62.5	12	28	913	3.41
CC76525		0.18	NSS	0.8	1.16	16	<10	530	<0.5	<2	0.92	3.0	10	29	78	2.99
CC76526		0.14	0.008	1.0	1.22	15	<10	410	<0.5	<2	1.70	4.0	11	27	80	2.89
CC76527		0.16	0.006	0.3	0.97	19	<10	240	<0.5	2	11.4	1.2	10	23	44	2.35
CC76528		0.14	0.006	0.6	1.32	18	<10	370	<0.5	<2	5.07	2.3	12	33	62	3.14
CC76529		0.08	0.010	0.5	0.69	11	<10	450	<0.5	<2	5.75	2.2	7	19	70	1.62
CC76530		0.16	0.007	0.4	1.24	17	<10	400	<0.5	2	2.82	2.4	11	36	48	2.89
CC76531		0.08	0.007	0.5	1.39	19	<10	450	<0.5	<2	2.85	3.4	14	43	58	3.18
CC76532		0.06	0.008	0.6	1.50	25	<10	400	0.5	2	2.64	3.0	18	46	93	3.60
CC76533		0.08	0.008	0.4	1.24	24	<10	340	<0.5	<2	2.14	4.9	17	38	52	3.20
CC76534		0.14	0.009	0.4	1.18	25	<10	260	0.5	2	4.89	2.0	11	24	44	2.75
CC76535		0.16	0.007	0.8	1.27	30	<10	310	0.5	<2	2.95	3.8	12	35	46	3.09
CC76536		0.08	0.023	0.2	0.28	7	<10	230	<0.5	<2	4.19	2.5	3	7	35	0.61
CC76537		0.08	0.007	0.8	1.43	25	<10	340	0.6	2	2.27	4.1	11	36	64	3.02
CC76538		0.10	0.010	0.2	0.77	18	<10	180	<0.5	<2	4.66	1.3	6	18	21	1.77
CC76539		0.06	0.010	0.2	0.78	28	<10	230	<0.5	<2	2.39	1.9	7	16	28	2.25
CC76540		0.06	0.011	0.4	0.77	43	<10	300	<0.5	<2	2.25	1.7	11	16	22	2.60
CC76541		0.24	0.001	0.7	0.75	54	<10	230	<0.5	2	4.52	4.6	10	20	60	2.86
CC76542		0.14	0.008	0.5	1.11	60	<10	330	0.5	<2	1.21	1.8	11	24	37	3.26
CC76543		0.22	0.007	0.4	0.59	32	<10	670	<0.5	<2	5.54	2.5	7	16	30	2.47
CC76544		0.24	0.007	0.2	0.88	17	<10	200	<0.5	<2	9.7	1.0	9	18	32	2.48
CC76545		0.12	0.009	<0.2	0.92	9	<10	160	<0.5	<2	9.0	0.8	9	18	32	2.22
CC76546		0.20	0.006	0.2	0.91	14	<10	230	<0.5	<2	9.5	1.0	10	18	35	2.51
CC76547		0.22	0.008	0.2	0.92	12	<10	140	<0.5	2	7.9	0.7	9	18	41	2.54
CC76548		0.06	0.009	<0.2	0.93	7	<10	170	<0.5	<2	11.0	0.7	8	15	25	2.16
CC76549		0.08	0.006	0.2	0.99	8	<10	120	<0.5	<2	7.6	<0.5	11	14	33	3.20
CC76550		0.16	0.008	<0.2	0.79	11	<10	120	<0.5	<2	8.0	0.8	9	16	35	2.62
CC76551		0.20	0.009	<0.2	0.85	14	<10	160	<0.5	2	6.71	0.8	9	17	36	2.77
CC76552		0.22	0.007	<0.2	0.96	10	<10	170	<0.5	<2	5.27	0.8	11	19	42	2.97
CC76553		0.10	0.007	<0.2	1.18	14	<10	140	<0.5	<2	4.54	0.6	10	21	42	3.23
CC76554		0.16	0.012	0.3	1.15	12	<10	240	<0.5	<2	1.18	0.7	12	28	33	2.56
CC76555		0.18	0.007	0.4	1.14	11	<10	280	<0.5	<2	1.67	0.8	11	27	33	2.48
CC76556		0.14	0.007	0.3	1.16	14	<10	300	<0.5	<2	1.23	0.8	11	26	33	2.72
CC76557		0.10	0.007	0.4	1.27	13	<10	390	<0.5	<2	1.48	1.3	11	29	44	2.77
CC76558		0.12	0.009	0.5	1.20	17	<10	450	<0.5	<2	1.29	2.7	12	28	46	2.88
CC76559		0.14	0.008	0.3	1.09	13	<10	370	<0.5	<2	1.73	2.0	8	26	56	2.60
CC76560		0.24	0.010	0.5	1.28	22	<10	390	0.5	2	1.17	1.8	12	31	55	3.34

***** See Appendix Page for comments regarding this certificate *****

ALS Chemex
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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 3-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078947

Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
Sample Description Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC76521	<10	<1	0.12	10	0.58	912	1	0.03	31	810	14	0.13	<2	2	44
CC76522	10	<1	0.13	20	0.67	902	<1	0.02	37	830	21	0.08	<2	3	34
CC76523	<10	<1	0.15	10	0.67	742	<1	0.02	27	630	467	0.76	2	3	29
CC76524	<10	<1	0.22	20	0.55	556	1	0.03	27	750	783	1.15	3	3	32
CC76525	<10	<1	0.14	20	0.58	505	2	0.01	44	940	48	0.07	<2	3	31
CC76526	<10	<1	0.16	20	0.70	766	1	0.02	43	900	69	0.11	<2	3	31
CC76527	10	<1	0.20	10	6.19	1085	1	0.01	34	770	32	0.02	<2	3	78
CC76528	10	<1	0.20	10	2.80	1040	1	0.02	50	930	48	0.09	<2	3	45
CC76529	<10	<1	0.11	10	1.59	544	1	0.01	32	780	34	0.16	<2	1	51
CC76530	10	<1	0.14	20	1.74	525	2	0.01	57	1000	36	0.06	<2	3	30
CC76531	10	<1	0.17	10	1.51	812	2	0.02	73	970	42	0.08	<2	4	39
CC76532	10	<1	0.20	10	1.41	957	4	0.02	116	1020	48	0.07	<2	4	38
CC76533	<10	<1	0.17	10	0.81	800	5	0.02	174	840	43	0.09	5	3	35
CC76534	<10	<1	0.21	10	3.07	581	2	0.01	101	890	45	0.02	2	3	37
CC76535	<10	<1	0.15	10	1.46	872	2	0.01	56	1070	118	0.08	3	4	35
CC76536	<10	<1	0.06	<10	0.53	673	2	0.01	30	900	14	0.21	<2	<1	45
CC76537	<10	<1	0.19	10	1.06	648	2	0.02	58	1200	85	0.11	<2	4	32
CC76538	<10	<1	0.08	10	2.47	377	<1	0.01	27	1030	39	0.08	<2	2	33
CC76539	<10	<1	0.08	10	0.53	389	1	0.01	32	830	36	0.18	<2	2	33
CC76540	<10	<1	0.07	10	0.54	2090	6	0.01	30	960	40	0.12	2	1	34
CC76541	<10	<1	0.08	10	2.80	593	10	<0.01	56	1300	67	0.02	7	3	34
CC76542	<10	<1	0.08	10	0.50	483	10	0.01	42	960	52	0.05	6	3	28
CC76543	<10	<1	0.08	10	3.11	444	5	0.01	38	1120	43	0.07	2	2	51
CC76544	<10	<1	0.12	10	4.47	993	1	0.01	24	760	28	0.02	<2	3	89
CC76545	<10	<1	0.13	10	4.24	766	<1	0.01	22	740	23	0.05	<2	3	80
CC76546	<10	<1	0.12	10	3.82	1550	<1	0.01	24	750	23	0.06	<2	2	88
CC76547	<10	<1	0.12	10	4.41	994	<1	0.01	23	800	23	0.05	<2	2	71
CC76548	<10	<1	0.14	10	3.04	1015	<1	0.01	19	720	19	0.13	<2	2	115
CC76549	<10	<1	0.13	10	3.69	3070	<1	<0.01	19	700	19	0.06	<2	2	79
CC76550	<10	<1	0.09	10	3.90	1085	<1	<0.01	20	720	21	0.20	<2	2	73
CC76551	<10	<1	0.10	10	3.53	1360	<1	<0.01	22	780	22	0.05	<2	2	66
CC76552	<10	<1	0.10	10	3.15	1095	<1	<0.01	26	800	25	0.05	<2	3	57
CC76553	<10	<1	0.15	10	2.57	817	<1	<0.01	26	810	23	0.07	<2	3	70
CC76554	<10	<1	0.08	10	0.54	685	<1	0.01	24	670	21	0.07	<2	2	32
CC76555	<10	<1	0.08	10	0.63	788	<1	0.01	26	700	20	0.08	<2	2	37
CC76556	<10	<1	0.08	20	0.58	712	<1	0.01	26	750	23	0.06	<2	2	28
CC76557	10	<1	0.10	10	0.70	620	1	0.01	37	880	20	0.07	<2	3	31
CC76558	<10	<1	0.10	20	0.63	743	2	0.01	48	820	22	0.06	<2	3	30
CC76559	<10	<1	0.08	10	0.64	334	1	0.01	42	800	23	0.09	<2	2	27
CC76560	10	<1	0.08	20	0.78	358	2	<0.01	59	910	30	0.05	2	3	21

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Project: RAU

CERTIFICATE OF ANALYSIS VA10078947

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC76521		<20	0.01	<10	<10	29	<10	104
CC76522		<20	0.02	<10	<10	41	<10	133
CC76523		<20	0.02	<10	<10	38	<10	3290
CC76524		<20	0.02	<10	<10	46	<10	6700
CC76525		<20	0.03	<10	<10	55	<10	391
CC76526		<20	0.02	<10	<10	45	<10	478
CC76527		<20	0.04	<10	<10	38	<10	197
CC76528		<20	0.02	<10	<10	46	<10	351
CC76529		<20	0.01	<10	<10	24	<10	236
CC76530		<20	0.04	<10	<10	64	<10	363
CC76531		<20	0.04	<10	<10	66	<10	446
CC76532		<20	0.03	<10	<10	64	<10	478
CC76533		<20	0.02	<10	<10	55	<10	1130
CC76534		<20	0.03	<10	<10	46	<10	596
CC76535		<20	0.02	<10	<10	53	<10	547
CC76536		<20	0.01	<10	<10	10	<10	200
CC76537		<20	0.02	<10	<10	60	<10	493
CC76538		<20	0.01	<10	<10	30	<10	266
CC76539		<20	0.01	<10	10	27	<10	260
CC76540		<20	0.01	<10	<10	33	<10	277
CC76541		<20	0.02	<10	<10	46	<10	267
CC76542		<20	0.02	<10	<10	49	<10	201
CC76543		<20	0.02	<10	<10	44	<10	257
CC76544		<20	0.03	<10	<10	35	<10	128
CC76545		<20	0.03	<10	<10	31	<10	129
CC76546		<20	0.02	<10	<10	31	<10	123
CC76547		<20	0.02	<10	<10	30	<10	136
CC76548		<20	0.02	<10	<10	22	<10	118
CC76549		<20	0.02	<10	<10	23	<10	88
CC76550		<20	0.03	<10	<10	27	<10	101
CC76551		<20	0.02	<10	<10	30	<10	115
CC76552		<20	0.03	<10	<10	34	<10	115
CC76553		<20	0.02	<10	<10	34	<10	130
CC76554		<20	0.02	<10	<10	38	<10	90
CC76555		<20	0.02	<10	<10	37	<10	121
CC76556		<20	0.02	<10	<10	39	<10	117
CC76557		<20	0.02	<10	<10	40	<10	178
CC76558		<20	0.02	<10	<10	46	<10	284
CC76559		<20	0.02	<10	<10	38	<10	207
CC76560		<20	0.02	<10	<10	50	<10	271

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1016-510 W HASTINGS ST
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Project: RAU

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Account: RCM

CERTIFICATE OF ANALYSIS VA10078947

Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Sample Description Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC76561	0.24	0.007	0.3	1.32	20	<10	320	<0.5	<2	5.15	1.2	17	51	50	3.30
CC76562	0.16	0.007	0.2	1.04	21	<10	300	<0.5	<2	4.61	1.0	13	41	36	2.93
CC76563	0.38	0.008	0.3	1.26	25	<10	310	<0.5	2	6.42	1.6	13	33	47	3.09
CC76564	0.14	0.009	0.4	1.16	21	<10	740	<0.5	<2	4.95	1.5	12	35	35	4.19
CC76565	0.20	0.008	0.4	1.21	21	<10	370	<0.5	<2	1.99	2.6	13	39	54	3.14
CC76566	0.12	NSS	0.6	1.13	20	<10	710	<0.5	2	2.48	6.8	22	36	57	3.03
CC76567	0.30	0.009	0.7	1.34	27	<10	250	<0.5	2	3.39	3.4	12	37	46	3.30
CC76568	0.22	0.008	0.5	0.98	56	<10	170	<0.5	<2	4.11	2.3	11	23	36	2.85
CC76569	0.18	0.008	0.4	0.98	26	<10	200	<0.5	<2	4.96	2.1	9	23	38	2.32
CC76570	0.46	0.002	0.5	0.88	46	<10	200	<0.5	2	5.83	2.9	9	20	47	2.73
CC76571	0.12	0.008	0.6	1.22	24	<10	280	0.5	<2	1.52	3.1	9	45	39	2.58
CC76572	0.20	0.008	0.5	1.00	48	<10	270	<0.5	<2	3.25	2.9	12	22	37	3.12
CC76573	0.16	0.008	0.7	1.48	20	<10	350	0.5	2	1.08	2.1	13	43	35	2.54
CC76574	0.32	0.007	0.4	1.65	36	<10	260	0.6	<2	1.09	0.9	11	30	26	3.42
CC76575	0.24	0.011	0.6	1.06	41	<10	310	0.5	<2	4.04	3.0	9	30	58	2.79
CC76576	0.38	0.007	0.2	0.95	17	<10	230	<0.5	2	7.1	1.1	9	19	35	2.43
CC76577	0.50	0.006	0.2	0.85	12	<10	180	<0.5	<2	8.1	0.9	8	19	32	2.32
CC76578	0.34	0.006	<0.2	0.83	15	<10	190	<0.5	<2	7.7	0.7	8	15	33	2.52
CC76579	0.52	0.008	0.2	1.03	28	<10	310	<0.5	<2	6.37	1.7	9	25	39	2.60
CC76580	0.42	0.008	0.3	1.00	23	<10	320	<0.5	<2	7.0	1.7	9	21	39	2.49
CC76581	0.44	0.007	<0.2	1.15	10	<10	170	<0.5	<2	5.33	0.7	10	24	35	2.84
CC76582	0.24	0.006	0.2	1.07	15	<10	220	<0.5	<2	5.39	1.2	12	20	37	2.72
CC76583	0.40	0.008	0.3	1.19	17	<10	210	0.5	<2	5.94	0.8	10	28	44	3.04
CC76584	0.52	0.008	<0.2	0.99	16	<10	190	<0.5	<2	5.86	1.0	10	19	38	2.67
CC76585	0.36	0.006	<0.2	0.90	12	<10	180	<0.5	<2	7.00	1.0	9	22	39	2.54
CC76586	0.56	0.007	<0.2	0.89	14	<10	160	<0.5	<2	9.0	1.1	10	18	39	2.57
CC76587	0.06	0.021	0.2	1.57	10	<10	320	0.5	<2	1.74	1.0	11	78	39	3.00
CC76588	0.08	0.015	0.2	1.43	8	<10	340	0.5	<2	1.66	0.9	10	30	33	2.72
CC76589	0.06	NSS	0.4	1.32	12	<10	370	<0.5	<2	1.65	1.0	12	52	39	2.78
CC76590	0.06	0.008	0.3	1.46	14	<10	380	0.5	<2	1.20	1.3	12	32	44	3.03
CC76591	0.08	0.007	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC76592	0.08	0.034	0.3	1.30	14	<10	440	<0.5	<2	1.53	1.5	11	27	45	3.07
CC76593	0.08	0.004	0.4	1.28	12	<10	440	<0.5	<2	1.78	1.3	9	60	47	2.86
CC76594	0.10	0.007	0.3	1.21	19	<10	380	<0.5	<2	5.75	1.6	14	38	44	3.15
CC76595	0.16	0.006	0.2	1.27	19	<10	330	<0.5	<2	4.65	1.3	13	50	42	3.04
CC76596	0.10	0.006	0.3	1.33	20	<10	300	0.5	2	4.43	1.3	13	36	48	3.05
CC76597	0.18	0.004	0.4	1.47	24	<10	520	0.5	<2	4.50	2.1	15	47	51	3.39
CC76598	0.14	0.004	0.5	1.25	15	<10	380	<0.5	<2	2.96	1.8	11	33	49	2.83
CC76599	0.14	0.005	0.5	1.48	27	<10	490	0.5	<2	1.87	5.0	32	67	53	3.79
CC76600	0.12	0.003	0.4	1.22	60	<10	200	0.5	<2	4.98	2.1	12	26	38	3.00

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CERTIFICATE OF ANALYSIS VA10078947

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
CC76561		<10	<1	0.10	10	3.02	956	4	0.01	74	1090	26	0.07	<2	4	54
CC76562		<10	<1	0.09	10	2.62	692	2	0.01	55	1010	25	0.07	<2	3	44
CC76563		<10	<1	0.15	10	3.60	798	2	0.01	51	950	37	0.02	2	4	63
CC76564		<10	<1	0.13	10	3.06	903	2	0.01	50	1080	27	0.07	<2	3	42
CC76565		<10	<1	0.09	10	1.04	625	3	0.01	78	1060	30	0.08	2	3	32
CC76566		<10	<1	0.09	10	0.86	5680	14	0.01	246	1140	32	0.11	4	3	42
CC76567		<10	1	0.12	10	2.08	505	2	0.01	59	1110	104	0.08	3	4	34
CC76568		<10	<1	0.09	10	2.39	670	2	0.01	77	990	75	0.04	2	3	36
CC76569		<10	<1	0.12	10	3.03	378	1	0.01	47	920	52	0.06	<2	3	39
CC76570		<10	<1	0.10	10	3.50	786	7	<0.01	59	1010	56	0.02	4	3	59
CC76571		<10	<1	0.14	10	0.66	329	1	0.01	46	1010	58	0.09	<2	3	29
CC76572		<10	<1	0.12	10	1.66	838	3	0.01	50	1010	60	0.07	3	3	27
CC76573		10	<1	0.18	20	0.64	783	1	0.01	44	990	57	0.08	2	3	28
CC76574		<10	<1	0.10	10	0.83	328	3	0.01	36	780	38	0.03	<2	4	20
CC76575		<10	<1	0.13	10	2.10	759	5	0.01	46	1060	59	0.05	5	3	47
CC76576		<10	<1	0.12	10	4.01	474	1	0.01	25	840	30	0.03	<2	3	64
CC76577		<10	<1	0.11	10	4.15	706	<1	0.01	21	780	26	0.07	<2	2	74
CC76578		<10	<1	0.10	10	4.05	752	1	0.02	20	740	22	0.02	2	2	73
CC76579		<10	<1	0.13	10	3.31	731	4	0.02	33	810	38	0.01	4	3	74
CC76580		<10	<1	0.14	10	3.39	694	5	0.02	33	820	35	0.01	5	3	79
CC76581		<10	<1	0.14	10	3.28	996	<1	0.02	22	850	23	0.09	<2	3	66
CC76582		<10	<1	0.13	10	3.20	1075	1	0.02	28	840	30	0.06	<2	3	60
CC76583		<10	<1	0.14	10	3.59	964	1	0.02	27	840	28	0.02	3	3	55
CC76584		<10	<1	0.11	10	3.48	1045	<1	0.01	26	760	28	0.03	2	3	54
CC76585		<10	<1	0.12	10	4.29	768	1	0.02	24	770	27	0.04	<2	3	73
CC76586		<10	<1	0.12	10	4.71	1245	<1	0.02	26	770	27	0.04	2	3	80
CC76587		<10	<1	0.21	20	0.78	840	1	0.04	29	660	19	0.08	<2	3	43
CC76588		<10	<1	0.17	20	0.70	748	<1	0.03	26	510	20	0.07	<2	3	39
CC76589		<10	<1	0.14	20	0.65	1120	1	0.03	29	670	20	0.07	2	3	36
CC76590		<10	<1	0.16	20	0.66	656	1	0.03	38	760	21	0.06	<2	3	28
CC76591		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC76592		<10	<1	0.18	20	0.61	735	1	0.04	38	850	20	0.06	2	3	33
CC76593		<10	<1	0.16	10	0.62	581	2	0.03	46	770	21	0.07	<2	2	32
CC76594		<10	<1	0.17	10	3.73	1320	5	0.03	65	1010	24	0.03	2	3	53
CC76595		<10	<1	0.16	10	2.83	990	3	0.02	54	940	27	0.05	3	3	45
CC76596		<10	<1	0.18	10	2.85	910	3	0.03	51	940	33	0.04	2	4	42
CC76597		10	<1	0.21	10	2.80	4610	5	0.03	67	980	35	0.05	3	4	45
CC76598		<10	<1	0.12	20	1.66	491	2	0.02	59	980	29	0.06	2	3	34
CC76599		<10	1	0.17	10	1.01	2990	10	0.03	174	1090	37	0.07	4	4	36
CC76600		<10	<1	0.19	10	3.04	733	3	0.02	117	950	53	0.04	5	3	44

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 3-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078947

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC76561		<20	0.05	<10	<10	54	<10	308
CC76562		<20	0.05	<10	<10	51	<10	209
CC76563		<20	0.04	<10	<10	51	<10	224
CC76564		<20	0.03	<10	<10	51	<10	237
CC76565		<20	0.03	<10	<10	58	<10	383
CC76566		<20	0.02	<10	<10	47	<10	748
CC76567		<20	0.02	<10	<10	48	<10	644
CC76568		<20	0.03	<10	<10	42	<10	637
CC76569		<20	0.02	<10	<10	40	<10	383
CC76570		<20	0.03	<10	<10	46	<10	350
CC76571		<20	0.02	<10	<10	50	<10	328
CC76572		<20	0.01	<10	<10	45	<10	385
CC76573		<20	0.02	<10	<10	54	<10	374
CC76574		<20	0.02	<10	<10	61	<10	195
CC76575		<20	0.02	<10	<10	50	<10	233
CC76576		<20	0.03	<10	<10	38	<10	137
CC76577		<20	0.03	<10	<10	31	<10	108
CC76578		<20	0.02	<10	<10	30	<10	107
CC76579		<20	0.03	<10	<10	44	<10	166
CC76580		<20	0.03	<10	<10	44	<10	173
CC76581		<20	0.02	<10	<10	35	<10	130
CC76582		<20	0.02	<10	<10	40	<10	132
CC76583		<20	0.03	<10	<10	42	<10	143
CC76584		<20	0.03	<10	<10	37	<10	129
CC76585		<20	0.03	<10	<10	36	<10	121
CC76586		<20	0.03	<10	<10	35	<10	124
CC76587		<20	0.03	<10	<10	48	<10	131
CC76588		<20	0.02	<10	<10	42	<10	128
CC76589		<20	0.02	<10	<10	41	<10	117
CC76590		<20	0.03	<10	<10	48	<10	158
CC76591		NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC76592		<20	0.02	<10	<10	50	<10	196
CC76593		<20	0.02	<10	<10	45	<10	173
CC76594		<20	0.05	<10	<10	51	<10	238
CC76595		<20	0.04	<10	<10	54	<10	211
CC76596		<20	0.04	<10	<10	57	<10	202
CC76597		<20	0.03	<10	<10	56	<10	267
CC76598		<20	0.03	<10	<10	57	<10	313
CC76599		<20	0.03	<10	<10	70	<10	608
CC76600		<20	0.03	<10	<10	48	<10	618

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Project: RAU

CERTIFICATE OF ANALYSIS VA10078947

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC76601		0.08	0.003	0.2	1.15	42	<10	210	0.5	2	5.10	1.5	10	41	35	2.73
CC76602		0.10	0.005	0.3	1.24	42	<10	340	0.5	<2	2.83	1.6	10	45	39	2.79
CC76603		0.20	0.005	0.6	1.33	49	<10	280	0.6	2	1.87	2.5	12	29	55	3.31
CC76604		0.22	0.007	0.4	0.80	38	<10	200	<0.5	<2	3.51	2.3	8	19	39	2.38
CC76605		0.22	0.011	0.4	0.94	29	<10	220	<0.5	<2	2.82	2.7	10	31	41	2.56
CC76606		0.14	0.005	0.4	0.83	33	<10	200	<0.5	<2	2.69	2.2	9	19	27	2.53
CC76607		0.22	0.004	0.3	1.00	34	<10	210	<0.5	<2	1.68	2.1	11	21	35	2.80
CC76608		0.28	0.004	0.2	0.82	27	<10	240	<0.5	<2	5.23	2.2	7	24	37	2.35
CC76609		0.44	0.005	<0.2	0.94	22	<10	240	<0.5	<2	6.77	1.4	8	18	36	2.48
CC76610		0.22	0.010	0.2	0.94	25	<10	260	<0.5	<2	6.26	1.5	8	19	37	2.56
CC76611		0.30	0.004	0.4	1.04	31	<10	230	0.5	<2	4.37	1.8	10	26	41	2.79
CC76612		0.26	0.005	0.2	0.97	15	<10	160	<0.5	<2	5.51	1.0	8	19	32	2.68
CC76613		0.36	0.011	0.2	0.99	23	<10	250	0.5	<2	5.51	1.4	10	20	38	2.73
CC76614		0.32	0.004	0.3	1.17	38	<10	320	0.5	<2	5.77	2.3	10	28	47	2.79
CC76615		0.26	0.003	0.2	1.14	26	<10	320	0.5	<2	4.62	1.4	10	23	42	2.92
CC76616		0.18	0.005	<0.2	1.02	18	<10	230	<0.5	<2	5.99	1.2	11	21	38	2.74
CC76617		0.14	0.003	0.2	1.01	13	<10	190	<0.5	<2	5.67	0.9	9	29	36	2.58
CC76618		0.46	0.003	<0.2	0.99	15	<10	160	<0.5	<2	6.50	1.0	11	20	38	2.80
CC76619		0.16	0.004	<0.2	0.98	17	<10	140	<0.5	<2	5.29	0.8	11	19	36	3.26
CC76620		0.14	0.004	<0.2	1.72	18	<10	260	0.5	<2	1.49	0.8	15	48	49	3.52
CC76621		0.14	0.003	0.3	1.18	15	<10	290	<0.5	<2	1.61	0.9	11	26	41	2.53
CC76622		0.12	0.005	0.5	1.34	14	<10	510	0.5	<2	1.57	2.3	14	36	56	2.93
CC76623		0.18	<0.001	0.7	1.57	23	<10	430	0.5	<2	1.14	2.0	17	45	71	3.71
CC76624		0.18	0.002	0.2	1.00	15	<10	400	<0.5	<2	1.18	1.3	10	24	30	2.68
CC76625		0.16	0.004	0.4	1.11	11	<10	360	<0.5	<2	1.20	1.8	11	27	46	2.61
CC76626		0.12	0.006	0.3	0.98	12	<10	350	<0.5	<2	0.85	0.8	9	24	32	2.50
CC76627		0.18	0.002	0.2	1.03	16	<10	360	<0.5	<2	1.47	1.5	10	25	32	2.85
CC76628		0.16	0.004	0.3	1.37	22	<10	400	0.5	<2	5.03	1.5	13	34	50	3.15
CC76629		0.14	0.003	0.3	1.48	26	<10	300	0.5	<2	2.15	0.9	14	40	39	3.67
CC76630		0.12	0.003	0.2	1.32	22	<10	320	0.5	<2	3.43	1.2	12	35	40	3.16
CC76631		0.24	0.005	0.4	1.34	26	<10	530	<0.5	<2	3.45	2.4	15	39	61	3.63
CC76632		0.22	0.004	0.4	1.25	20	<10	260	<0.5	<2	2.30	2.1	13	36	56	3.12
CC76633		0.12	0.003	<0.2	0.81	495	<10	140	<0.5	<2	13.7	1.2	24	16	25	2.82
CC76634		0.08	0.005	0.4	1.04	52	<10	240	<0.5	<2	3.56	2.4	11	25	40	2.82
CC76635		0.18	0.005	0.5	1.27	52	<10	270	0.5	<2	0.61	2.0	12	30	36	3.36
CC76636		0.12	0.005	0.3	1.23	33	<10	320	0.5	<2	1.84	2.6	10	32	46	2.69
CC76637		0.30	0.004	0.5	1.34	43	<10	350	0.6	<2	0.91	2.2	16	30	41	3.47
CC76638		0.22	0.005	0.5	1.41	42	<10	390	0.6	<2	0.56	2.1	19	29	48	3.36
CC76639		0.52	0.006	0.5	0.54	56	<10	200	<0.5	<2	5.82	3.6	6	15	41	2.01
CC76640		0.48	0.003	0.3	0.91	23	<10	300	<0.5	<2	8.0	1.9	8	19	39	2.40

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
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Project: RAU

Finalized Date: 3-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078947

Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
Sample Description LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC76601	<10	<1	0.21	10	3.10	780	2	0.03	48	920	36	0.03	5	3	49
CC76602	<10	<1	0.17	10	1.18	597	2	0.03	60	930	38	0.07	4	3	46
CC76603	<10	<1	0.13	10	1.24	525	5	0.02	69	1020	68	0.04	6	4	30
CC76604	<10	1	0.07	10	2.02	944	5	0.01	49	1060	58	0.05	<2	2	32
CC76605	<10	<1	0.09	10	1.51	749	2	0.02	48	1030	62	0.05	<2	3	28
CC76606	<10	<1	0.09	10	1.29	745	2	0.02	38	990	58	0.06	<2	2	29
CC76607	<10	<1	0.08	10	0.92	615	3	0.01	38	880	56	0.03	2	2	25
CC76608	<10	<1	0.11	10	2.97	507	5	0.02	34	860	45	0.04	2	2	53
CC76609	<10	<1	0.12	10	3.33	674	3	0.02	30	750	34	<0.01	<2	3	70
CC76610	<10	<1	0.12	10	3.23	691	4	0.02	33	760	41	<0.01	2	3	68
CC76611	<10	<1	0.11	10	2.67	761	4	0.02	38	770	47	<0.01	2	3	42
CC76612	<10	<1	0.12	10	3.50	542	1	0.02	25	840	30	0.03	<2	3	61
CC76613	<10	<1	0.11	10	3.23	1050	2	0.02	31	830	33	0.02	<2	3	51
CC76614	<10	1	0.14	10	2.97	695	7	0.02	47	870	58	0.02	5	3	80
CC76615	<10	1	0.12	10	2.83	619	3	0.02	37	900	39	0.04	3	3	55
CC76616	<10	<1	0.11	10	3.64	1115	2	0.02	35	830	29	0.03	3	3	66
CC76617	<10	<1	0.12	10	3.30	745	1	0.02	28	900	28	0.08	2	3	87
CC76618	<10	1	0.10	10	4.30	1365	1	0.02	31	890	30	0.03	2	3	64
CC76619	<10	1	0.10	10	3.45	1140	2	0.02	31	780	26	0.03	<2	3	55
CC76620	10	<1	0.12	30	1.27	414	2	0.02	43	890	27	0.02	3	4	28
CC76621	<10	<1	0.07	20	0.63	918	2	0.02	34	790	20	0.07	2	2	40
CC76622	<10	<1	0.09	10	0.76	1025	3	0.02	62	910	22	0.08	4	3	36
CC76623	<10	1	0.11	10	0.87	873	4	0.02	88	1030	25	0.06	5	4	31
CC76624	<10	1	0.07	20	0.71	583	3	0.02	43	1050	19	0.04	2	2	30
CC76625	<10	1	0.08	20	0.59	756	2	0.02	47	870	22	0.06	2	2	27
CC76626	<10	<1	0.06	20	0.52	371	2	0.01	36	620	21	0.05	2	2	24
CC76627	<10	<1	0.07	20	0.96	581	3	0.02	45	950	20	0.04	3	2	28
CC76628	<10	1	0.14	10	2.75	759	4	0.02	52	970	33	0.02	2	4	62
CC76629	<10	1	0.12	20	1.47	682	4	0.02	51	780	41	0.04	4	4	41
CC76630	<10	1	0.12	20	2.26	869	3	0.02	47	1030	31	0.03	3	3	40
CC76631	<10	<1	0.09	10	2.14	1295	5	0.02	85	990	35	0.05	3	4	42
CC76632	<10	<1	0.09	10	1.26	645	4	0.02	75	1030	30	0.07	3	3	33
CC76633	<10	<1	0.09	10	2.07	1620	4	0.02	470	840	33	0.10	21	2	123
CC76634	<10	<1	0.12	10	1.89	678	6	0.02	77	1010	57	0.05	6	3	54
CC76635	<10	<1	0.09	10	0.55	701	6	0.01	61	1000	67	0.02	6	3	28
CC76636	<10	1	0.12	10	0.69	1260	4	0.02	66	1060	62	0.10	5	3	40
CC76637	<10	<1	0.08	10	0.60	1620	5	0.01	66	1210	78	0.04	5	3	27
CC76638	<10	<1	0.09	10	0.50	1600	5	0.02	63	1210	65	0.05	5	4	25
CC76639	<10	<1	0.07	10	3.17	416	15	0.02	49	1040	71	0.02	12	2	81
CC76640	<10	<1	0.12	10	3.57	656	7	0.02	39	820	43	0.02	6	3	95

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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC76601		<20	0.03	<10	<10	47	<10	266
CC76602		<20	0.02	<10	<10	45	<10	312
CC76603		<20	0.02	<10	<10	57	<10	444
CC76604		<20	0.01	<10	<10	43	<10	319
CC76605		<20	0.01	<10	<10	41	<10	391
CC76606		<20	<0.01	<10	<10	38	<10	340
CC76607		<20	<0.01	<10	<10	42	<10	298
CC76608		<20	0.01	<10	<10	39	<10	199
CC76609		<20	0.01	<10	<10	40	<10	158
CC76610		<20	0.01	<10	<10	42	<10	169
CC76611		<20	0.01	<10	<10	47	<10	189
CC76612		<20	0.01	<10	<10	36	<10	149
CC76613		<20	0.01	<10	<10	39	<10	158
CC76614		<20	0.02	<10	<10	49	<10	225
CC76615		<20	0.02	<10	<10	42	<10	179
CC76616		<20	0.02	<10	<10	37	<10	147
CC76617		<20	0.02	<10	<10	36	<10	146
CC76618		<20	0.03	<10	<10	35	<10	135
CC76619		<20	0.03	<10	<10	34	<10	117
CC76620		<20	0.03	<10	<10	52	<10	163
CC76621		<20	0.02	<10	<10	36	<10	133
CC76622		<20	0.02	<10	<10	51	<10	226
CC76623		<20	0.02	<10	<10	65	<10	364
CC76624		<20	0.02	<10	<10	42	<10	214
CC76625		<20	0.02	<10	<10	37	<10	186
CC76626		<20	0.01	<10	<10	39	<10	148
CC76627		<20	0.02	<10	<10	41	<10	199
CC76628		<20	0.03	<10	<10	49	<10	212
CC76629		<20	0.03	<10	<10	57	<10	212
CC76630		<20	0.03	<10	<10	51	<10	177
CC76631		<20	0.03	<10	<10	56	<10	366
CC76632		<20	0.02	<10	<10	46	<10	335
CC76633		<20	0.01	<10	<10	26	<10	1640
CC76634		<20	0.02	<10	<10	47	<10	399
CC76635		<20	0.02	<10	<10	57	<10	366
CC76636		<20	0.02	<10	<10	46	<10	458
CC76637		<20	0.01	<10	<10	51	<10	400
CC76638		<20	0.02	<10	<10	52	<10	342
CC76639		<20	0.02	<10	<10	44	<10	285
CC76640		<20	0.02	<10	<10	39	<10	188

***** See Appendix Page for comments regarding this certificate *****

ALS Chemex
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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 3-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078947

Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Sample Description Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC76641	0.24	0.004	0.2	1.09	27	<10	250	0.5	<2	1.95	1.3	9	22	28	2.76
CC76642	0.40	0.003	0.2	0.87	13	<10	190	<0.5	<2	6.82	0.8	7	18	29	2.16
CC76643	0.34	0.002	<0.2	0.92	14	<10	160	<0.5	<2	5.61	0.9	7	18	30	2.21
CC76644	0.20	0.003	<0.2	0.87	19	<10	240	<0.5	2	7.9	1.5	8	18	31	1.87
CC76645	0.48	0.003	0.3	1.08	27	<10	270	0.5	<2	7.45	1.7	10	21	40	2.57
CC76646	0.24	0.011	0.4	1.24	34	<10	290	0.6	<2	6.28	2.0	11	24	47	2.91
CC76647	0.28	0.004	0.3	1.16	35	<10	300	0.5	<2	4.79	2.0	9	23	44	2.81
CC76648	0.30	0.004	0.3	1.25	25	<10	270	0.5	<2	4.01	1.4	11	25	42	3.01
CC76649	0.22	0.002	<0.2	1.07	23	<10	220	<0.5	<2	5.99	1.0	12	22	38	3.38
CC76650	0.28	0.003	0.2	0.88	14	<10	140	<0.5	<2	5.98	0.9	10	18	54	2.66
CC76651	0.22	0.003	0.3	1.05	16	<10	190	<0.5	2	3.95	1.5	11	21	40	2.55
CC76652	0.44	0.003	0.2	0.94	17	<10	110	<0.5	<2	9.2	0.6	11	23	41	2.74
CC76653	0.12	0.005	0.3	1.47	15	<10	460	0.5	<2	1.35	1.6	18	32	50	3.48
CC76654	0.10	0.012	0.4	1.57	10	<10	400	0.5	<2	1.19	1.2	12	41	53	3.07
CC76655	0.14	0.007	0.3	1.28	11	<10	450	0.5	<2	1.76	1.9	12	30	46	2.79
CC76656	0.10	0.011	0.3	1.07	17	<10	520	<0.5	<2	1.04	1.3	10	27	27	2.93
CC76657	0.12	0.003	0.4	1.04	17	<10	350	<0.5	<2	2.01	2.5	11	25	45	2.63
CC76658	0.16	0.003	0.2	1.04	12	<10	350	<0.5	2	1.40	2.3	11	25	40	2.55
CC76659	0.12	0.004	0.4	1.33	14	<10	340	0.5	<2	1.09	1.7	10	29	55	2.67
CC76660	0.08	0.003	0.3	1.03	15	<10	300	<0.5	<2	1.62	1.9	10	25	39	2.51
CC76661	0.10	0.003	0.2	1.08	14	<10	390	<0.5	<2	2.09	1.5	11	27	37	2.71
CC76662	0.14	0.004	0.3	1.46	16	<10	260	0.5	<2	4.88	1.3	12	38	50	3.02
CC76663	0.14	0.003	0.2	1.41	23	<10	410	0.6	<2	2.57	1.7	15	37	51	3.30
CC76664	0.18	0.004	0.2	1.37	19	<10	300	0.6	<2	7.7	1.3	11	25	44	2.94
CC76665	0.10	0.003	0.4	1.54	18	<10	380	0.5	<2	2.31	2.9	15	42	59	3.41
CC76666	0.24	0.004	0.4	0.98	133	<10	210	<0.5	<2	4.99	1.9	15	21	39	2.71
CC76667	0.08	0.006	0.4	1.09	43	<10	250	<0.5	<2	2.21	2.9	13	27	42	3.17
CC76668	0.16	0.033	0.5	0.77	35	<10	270	<0.5	<2	3.34	2.6	8	18	40	2.19
CC76669	0.06	0.006	0.5	1.25	32	<10	230	0.5	<2	1.17	1.7	6	28	42	2.63
CC76670	0.08	0.004	0.3	1.07	18	<10	220	<0.5	<2	1.23	1.8	6	25	36	1.76
CC76671	0.32	0.006	0.5	0.89	32	<10	150	<0.5	<2	5.25	1.8	8	19	40	2.63
CC76672	0.28	0.003	0.5	0.72	44	<10	140	<0.5	<2	6.36	2.7	9	19	45	2.78
CC76673	0.22	0.002	0.2	1.11	21	<10	360	0.5	<2	8.8	1.5	9	20	39	2.46
CC76674	0.24	0.004	0.2	0.90	22	<10	260	<0.5	<2	7.5	1.3	10	19	44	2.50
CC76675	0.22	0.004	0.3	1.19	27	<10	270	0.5	<2	6.25	1.6	9	23	41	2.76
CC76676	0.32	0.001	0.3	0.96	26	<10	300	<0.5	<2	8.8	1.3	8	18	35	2.37
CC76677	0.22	<0.001	<0.2	0.85	16	<10	220	<0.5	<2	8.5	1.0	7	16	30	2.18
CC76678	0.28	0.003	0.3	1.16	23	<10	260	0.5	2	8.1	1.4	9	21	41	2.62
CC76679	0.20	0.003	0.3	1.31	28	<10	430	0.6	<2	4.87	1.9	10	24	43	2.98
CC76680	0.12	0.003	0.2	1.07	23	<10	180	<0.5	<2	6.25	1.1	9	21	35	2.74

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Project: RAU

Finalized Date: 3-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078947

Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
Sample Description LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC76641	<10	1	0.11	10	0.83	557	4	0.02	34	770	43	0.08	3	2	37
CC76642	<10	1	0.10	10	3.95	543	2	0.02	28	830	26	0.03	3	3	72
CC76643	<10	<1	0.10	10	3.59	433	2	0.02	26	800	29	0.05	3	3	55
CC76644	<10	1	0.11	10	3.82	420	4	0.02	32	890	41	0.05	6	3	92
CC76645	<10	1	0.14	10	3.39	711	5	0.02	38	770	44	0.01	5	3	93
CC76646	<10	<1	0.15	10	3.20	808	6	0.02	47	920	56	0.01	6	4	81
CC76647	<10	1	0.14	10	2.70	737	5	0.02	43	900	50	0.03	5	3	56
CC76648	<10	<1	0.12	10	2.46	957	3	0.02	40	980	41	0.04	4	3	49
CC76649	<10	<1	0.12	10	3.66	1340	2	0.02	36	880	28	0.04	3	3	64
CC76650	<10	<1	0.08	10	4.04	987	4	0.02	46	900	42	0.05	3	3	55
CC76651	<10	<1	0.09	10	1.91	1055	1	0.02	34	1010	31	0.08	2	2	75
CC76652	<10	1	0.11	10	5.53	1165	1	0.02	34	950	23	0.03	2	3	85
CC76653	<10	<1	0.12	20	0.75	1850	2	0.03	45	910	28	0.06	2	3	34
CC76654	<10	<1	0.14	20	0.84	851	2	0.03	50	1030	22	0.06	3	4	32
CC76655	<10	<1	0.11	20	0.69	974	2	0.03	47	850	23	0.09	2	3	38
CC76656	<10	<1	0.10	20	0.69	674	4	0.02	41	1180	19	0.04	2	2	33
CC76657	<10	1	0.10	20	1.08	862	3	0.02	56	1010	25	0.05	3	3	38
CC76658	<10	<1	0.09	20	0.60	667	2	0.02	49	860	22	0.06	2	2	31
CC76659	<10	1	0.09	20	0.64	440	1	0.02	41	950	25	0.06	2	3	30
CC76660	<10	1	0.10	20	0.64	719	2	0.03	44	860	24	0.09	<2	2	32
CC76661	<10	1	0.09	10	0.88	661	3	0.02	43	880	23	0.07	3	2	33
CC76662	<10	1	0.15	20	3.54	810	2	0.02	53	1050	36	0.02	3	4	51
CC76663	<10	<1	0.13	10	1.45	1925	4	0.02	56	1050	39	0.06	4	4	42
CC76664	<10	<1	0.20	20	3.42	812	3	0.02	40	800	38	0.02	3	4	93
CC76665	<10	<1	0.13	20	1.51	989	3	0.03	83	1050	37	0.06	3	4	31
CC76666	<10	1	0.10	10	3.16	1425	6	0.02	180	1030	47	0.05	9	3	53
CC76667	<10	<1	0.12	10	1.09	928	7	0.02	66	1220	71	0.07	6	3	38
CC76668	<10	1	0.06	10	1.72	511	7	0.02	42	1060	47	0.04	7	2	40
CC76669	<10	<1	0.12	10	0.59	262	4	0.02	39	1030	63	0.07	5	3	31
CC76670	<10	1	0.10	10	0.56	263	3	0.02	35	970	50	0.06	4	3	28
CC76671	<10	1	0.08	10	3.44	514	5	0.02	40	1130	46	0.04	5	3	42
CC76672	<10	<1	0.12	10	3.08	470	9	0.02	44	1080	58	0.04	8	2	95
CC76673	<10	1	0.17	10	3.77	693	4	0.02	36	790	35	0.03	3	4	114
CC76674	<10	<1	0.09	10	3.79	810	2	0.02	34	780	38	0.04	4	3	82
CC76675	<10	<1	0.15	10	3.41	753	4	0.02	39	870	41	0.04	4	3	76
CC76676	<10	<1	0.12	10	3.77	641	4	0.02	33	770	32	0.02	3	3	98
CC76677	<10	1	0.11	10	3.87	617	3	0.02	30	710	29	0.02	4	3	91
CC76678	<10	1	0.15	10	3.51	700	4	0.02	37	790	41	0.01	4	4	96
CC76679	<10	<1	0.16	20	3.11	743	4	0.02	42	930	47	0.02	4	4	54
CC76680	<10	1	0.12	10	3.95	620	2	0.02	31	870	31	0.03	3	3	66

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 3-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078947

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC76641		<20	0.01	<10	<10	43	<10	179
CC76642		<20	0.02	<10	<10	33	<10	127
CC76643		<20	0.02	<10	<10	34	<10	141
CC76644		<20	0.03	<10	<10	38	<10	158
CC76645		<20	0.02	<10	<10	41	<10	187
CC76646		<20	0.02	<10	<10	50	<10	224
CC76647		<20	0.02	<10	<10	47	<10	226
CC76648		<20	0.02	<10	<10	46	<10	187
CC76649		<20	0.02	<10	<10	37	<10	146
CC76650		<20	0.03	<10	<10	33	<10	125
CC76651		<20	0.02	<10	<10	35	<10	157
CC76652		<20	0.03	<10	<10	32	<10	116
CC76653		<20	0.03	<10	<10	49	<10	153
CC76654		<20	0.03	<10	<10	55	<10	190
CC76655		<20	0.02	<10	<10	45	<10	192
CC76656		<20	0.03	<10	<10	54	<10	202
CC76657		<20	0.03	<10	<10	45	<10	261
CC76658		<20	0.02	<10	<10	42	<10	244
CC76659		<20	0.02	<10	<10	43	<10	201
CC76660		<20	0.02	<10	<10	37	<10	196
CC76661		<20	0.02	<10	<10	44	<10	210
CC76662		<20	0.04	<10	<10	54	<10	214
CC76663		<20	0.03	<10	<10	54	<10	194
CC76664		<20	0.02	<10	<10	47	<10	179
CC76665		<20	0.03	<10	<10	59	<10	376
CC76666		<20	0.02	<10	<10	39	<10	698
CC76667		<20	0.02	<10	<10	51	<10	433
CC76668		<20	0.02	<10	<10	40	<10	190
CC76669		<20	0.02	<10	<10	49	<10	345
CC76670		<20	0.02	<10	<10	45	<10	252
CC76671		<20	0.02	<10	<10	38	<10	195
CC76672		<20	0.02	<10	<10	41	<10	220
CC76673		<20	0.02	<10	<10	41	<10	169
CC76674		<20	0.02	<10	<10	37	<10	148
CC76675		<20	0.02	<10	<10	45	<10	197
CC76676		<20	0.03	<10	<10	38	<10	155
CC76677		<20	0.02	<10	<10	33	<10	133
CC76678		<20	0.02	<10	<10	42	<10	179
CC76679		<20	0.02	<10	<10	49	<10	220
CC76680		<20	0.03	<10	<10	40	<10	152

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Project: RAU

CERTIFICATE OF ANALYSIS VA10078947

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC76681		0.16	0.003	0.3	1.27	30	<10	290	0.6	<2	7.8	1.7	10	25	43	2.84
CC76682		0.18	0.005	0.3	1.27	33	<10	300	0.6	<2	7.9	1.8	10	23	44	2.84
CC76683		0.24	0.004	0.4	1.19	31	<10	320	0.5	<2	6.38	1.8	10	23	44	2.83
CC76684		0.16	0.002	0.3	0.98	18	<10	180	<0.5	<2	7.0	0.8	10	21	33	2.50
CC76685		0.12	0.003	<0.2	0.97	12	<10	160	<0.5	<2	5.44	1.0	8	19	36	2.32
CC76686		0.14	0.003	0.3	1.23	16	<10	770	<0.5	2	1.69	2.2	13	28	43	2.96
CC76687		0.18	0.002	0.3	1.22	17	<10	390	<0.5	3	2.28	1.7	12	30	42	2.94
CC76688		0.12	0.003	0.4	1.15	14	<10	390	<0.5	<2	1.26	1.7	12	28	41	2.73
CC76689		0.22	0.003	0.4	1.15	16	<10	410	<0.5	<2	2.39	1.9	12	27	48	2.80
CC76690		0.18	0.004	0.2	1.03	15	<10	320	<0.5	2	2.68	1.5	10	25	33	2.70
CC76691		0.10	0.003	0.4	1.09	18	<10	340	<0.5	3	2.80	2.1	12	28	44	2.87
CC76692		0.12	0.004	0.4	1.02	14	<10	330	<0.5	2	1.80	2.2	11	25	46	2.55
CC76693		0.10	0.003	0.4	1.10	14	<10	400	<0.5	2	1.69	2.2	12	26	45	2.70
CC76694		0.10	0.006	0.4	1.22	25	<10	330	0.5	2	2.73	1.9	14	32	36	3.21
CC76695		0.14	0.006	0.4	1.44	29	<10	380	0.6	<2	2.73	2.1	13	34	54	3.25
CC76696		0.28	0.002	0.2	0.71	15	<10	150	<0.5	2	9.7	0.5	7	14	26	2.12
CC76697		0.24	0.005	0.2	1.18	22	<10	260	0.5	3	4.49	1.1	14	27	42	3.36
CC76698		0.12	0.003	0.3	1.12	17	<10	370	0.5	<2	3.98	1.1	9	24	41	2.51
CC76699		0.28	0.003	0.4	0.96	25	<10	260	<0.5	2	8.0	1.5	9	19	38	2.47
CC76700		0.18	0.004	0.6	1.03	51	<10	320	0.5	3	6.02	3.0	10	23	48	2.74
CC76701		0.26	0.009	0.5	0.76	57	<10	190	<0.5	2	4.52	3.5	9	20	49	2.50
CC76702		0.12	0.004	0.5	0.82	36	<10	250	<0.5	3	4.72	2.0	8	20	37	2.41
CC76703		0.26	0.008	0.3	0.91	37	<10	220	<0.5	<2	6.54	2.5	9	20	42	2.55
CC76704		0.26	0.001	0.2	1.54	36	<10	260	0.6	2	0.29	1.4	11	33	28	3.41
CC76705		0.22	0.003	0.3	1.35	22	<10	260	0.5	2	1.69	1.1	8	25	30	2.84
CC76706		0.34	0.007	0.3	0.87	29	<10	220	<0.5	2	7.3	1.6	9	19	36	2.34
CC76707		0.24	0.003	0.2	0.82	17	<10	170	<0.5	2	6.94	0.6	10	25	37	2.47
CC76708		0.28	0.002	0.3	0.75	15	<10	190	<0.5	2	9.8	0.5	10	17	33	2.32
CC76709		0.22	0.003	0.3	0.84	19	<10	310	<0.5	2	7.8	1.1	9	18	32	2.20
CC76710		0.28	0.001	0.2	0.86	19	<10	210	<0.5	2	7.4	1.0	10	18	30	2.76
CC76711		0.24	0.005	0.4	1.04	29	<10	260	0.5	2	8.3	1.4	10	20	38	2.57
CC76712		0.28	0.013	0.3	0.95	20	<10	240	0.5	<2	8.9	1.1	8	18	33	2.42
CC76713		0.24	0.003	0.3	0.94	25	<10	260	<0.5	<2	8.6	1.3	8	18	34	2.37
CC76714		0.24	0.004	0.4	0.96	31	<10	270	<0.5	3	8.8	1.9	8	19	38	2.45
CC76715		0.26	0.002	0.3	0.89	27	<10	190	<0.5	2	9.4	1.5	8	18	35	2.30
CC76716		0.26	0.005	0.2	0.81	19	<10	250	<0.5	<2	9.4	1.0	7	16	30	2.14
CC76717		0.24	0.002	0.3	1.12	24	<10	250	0.5	2	7.7	1.4	9	20	37	2.62
CC76719		0.08	0.006	0.4	1.21	17	<10	350	0.5	<2	1.64	1.4	12	27	49	2.99
CC76720		0.18	0.005	0.3	1.23	20	<10	320	<0.5	3	3.43	1.9	16	32	41	3.65
CC76721		0.16	0.003	0.4	1.11	14	<10	370	<0.5	2	1.69	1.4	10	27	37	2.64

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10078947

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC76681		<10	<1	0.17	20	3.52	753	5	0.02	42	820	49	0.02	5	4	93
CC76682		<10	1	0.17	20	3.41	757	5	0.02	42	820	48	0.02	5	4	94
CC76683		<10	<1	0.14	10	3.19	766	4	0.02	42	820	48	0.02	6	4	78
CC76684		<10	1	0.10	10	3.73	689	1	0.02	32	850	28	0.04	3	3	68
CC76685		<10	<1	0.10	10	3.60	527	1	0.02	26	850	28	0.07	2	3	62
CC76686		<10	<1	0.13	20	0.79	5340	3	0.03	56	1040	25	0.04	<2	3	41
CC76687		<10	<1	0.11	10	1.28	961	1	0.02	42	820	26	0.04	<2	3	34
CC76688		<10	<1	0.09	10	0.66	744	1	0.02	40	800	23	0.04	<2	3	30
CC76689		<10	<1	0.11	10	1.26	767	1	0.01	48	870	23	0.03	<2	3	37
CC76690		<10	<1	0.09	20	1.64	603	1	0.01	39	1040	19	0.02	<2	2	39
CC76691		<10	<1	0.11	10	1.64	782	1	0.02	48	960	25	0.04	<2	3	38
CC76692		<10	<1	0.09	10	0.84	805	1	0.01	50	910	21	0.05	<2	2	34
CC76693		<10	<1	0.10	10	0.66	1540	1	0.02	54	900	22	0.08	<2	2	34
CC76694		<10	<1	0.13	10	1.70	1265	2	0.02	49	1090	29	0.04	<2	3	36
CC76695		10	<1	0.14	10	1.88	676	2	0.02	50	1170	47	0.02	3	4	46
CC76696		<10	<1	0.09	10	4.47	763	<1	0.01	20	700	19	<0.01	<2	2	88
CC76697		<10	<1	0.13	10	2.91	808	2	0.01	49	1020	34	0.01	<2	4	44
CC76698		<10	<1	0.15	10	1.87	590	1	0.02	36	880	31	0.08	<2	3	49
CC76699		<10	<1	0.12	10	3.45	693	4	0.01	33	790	40	<0.01	<2	3	90
CC76700		<10	<1	0.14	10	2.84	638	11	0.01	47	970	69	0.01	7	3	84
CC76701		<10	<1	0.08	10	2.92	513	13	0.01	53	1080	73	<0.01	9	2	48
CC76702		<10	<1	0.09	10	2.80	524	7	0.01	38	1020	51	0.02	4	2	46
CC76703		<10	<1	0.11	10	3.28	701	7	0.01	39	910	48	<0.01	3	3	74
CC76704		<10	<1	0.07	20	0.48	467	5	<0.01	43	810	49	<0.01	3	4	21
CC76705		10	<1	0.08	10	1.17	398	2	0.02	29	810	33	0.01	<2	3	27
CC76706		<10	<1	0.10	10	3.58	623	3	0.01	32	860	43	<0.01	2	3	78
CC76707		<10	<1	0.08	10	4.01	871	<1	0.01	25	780	24	0.01	<2	3	66
CC76708		<10	<1	0.09	10	4.43	870	<1	0.01	24	740	24	0.01	<2	3	92
CC76709		<10	<1	0.10	10	3.72	696	1	0.01	28	730	38	0.01	<2	3	79
CC76710		<10	<1	0.09	10	4.10	807	<1	0.01	26	790	29	0.02	<2	3	70
CC76711		<10	<1	0.14	10	3.53	707	3	0.01	35	770	45	<0.01	<2	3	91
CC76712		<10	<1	0.13	10	3.85	670	2	0.01	28	720	35	<0.01	<2	3	94
CC76713		10	<1	0.12	10	3.80	666	3	0.01	29	720	36	<0.01	2	3	94
CC76714		<10	<1	0.13	10	3.84	666	4	0.01	34	780	45	<0.01	3	3	98
CC76715		<10	<1	0.11	10	4.07	676	3	0.01	29	750	36	<0.01	2	3	99
CC76716		<10	<1	0.09	10	4.22	642	1	0.01	24	690	28	<0.01	<2	3	98
CC76717		<10	<1	0.13	10	3.53	734	1	0.01	31	780	37	0.01	<2	3	84
CC76719		<10	<1	0.11	10	0.68	497	<1	0.01	39	830	23	0.08	<2	3	48
CC76720		<10	<1	0.10	20	2.21	783	2	0.01	48	1010	24	0.03	<2	3	43
CC76721		<10	<1	0.10	10	0.72	711	<1	0.02	38	880	22	0.06	<2	2	34

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VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 3-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078947

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC76681		<20	0.02	<10	<10	47	<10	199
CC76682		<20	0.02	<10	<10	48	<10	204
CC76683		<20	0.02	<10	<10	47	<10	204
CC76684		<20	0.02	<10	<10	36	<10	139
CC76685		<20	0.02	<10	<10	33	<10	120
CC76686		<20	0.02	<10	<10	42	<10	166
CC76687		<20	0.02	<10	<10	49	<10	198
CC76688		<20	0.02	<10	<10	44	<10	195
CC76689		<20	0.02	<10	<10	42	<10	218
CC76690		<20	0.02	<10	<10	42	<10	205
CC76691		<20	0.02	<10	<10	45	<10	222
CC76692		<20	0.02	<10	<10	39	<10	234
CC76693		<20	0.01	<10	<10	37	<10	243
CC76694		<20	0.02	<10	<10	49	<10	240
CC76695		<20	0.04	<10	<10	60	<10	232
CC76696		<20	0.02	<10	<10	27	<10	110
CC76697		<20	0.02	<10	<10	46	<10	184
CC76698		<20	0.01	<10	<10	39	<10	193
CC76699		<20	0.02	<10	<10	40	<10	180
CC76700		<20	0.03	<10	<10	54	<10	285
CC76701		<20	0.02	<10	<10	49	<10	309
CC76702		<20	0.02	<10	<10	43	<10	230
CC76703		<20	0.03	<10	<10	44	<10	221
CC76704		<20	0.03	<10	<10	64	<10	205
CC76705		<20	0.02	<10	<10	48	<10	129
CC76706		<20	0.02	<10	<10	39	<10	179
CC76707		<20	0.02	<10	<10	34	<10	123
CC76708		<20	0.03	<10	<10	31	<10	122
CC76709		<20	0.02	<10	<10	35	<10	144
CC76710		<20	0.02	<10	<10	35	<10	135
CC76711		<20	0.02	<10	<10	41	<10	179
CC76712		<20	0.01	<10	<10	37	<10	152
CC76713		<20	0.02	<10	<10	37	<10	166
CC76714		<20	0.02	<10	<10	41	<10	198
CC76715		<20	0.02	<10	<10	36	<10	167
CC76716		<20	0.02	<10	<10	33	<10	136
CC76717		<20	0.01	<10	<10	41	<10	172
CC76719		<20	0.02	<10	<10	41	<10	169
CC76720		<20	0.02	<10	<10	49	<10	202
CC76721		<20	0.02	<10	<10	42	<10	199

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 3-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078947

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC76722		0.18	0.008	0.3	1.08	5	<10	290	<0.5	2	1.74	1.4	7	28	37	2.12
CC76723		0.10	0.005	0.4	1.37	22	<10	370	0.5	3	2.44	1.7	14	33	51	3.25
CC76724		0.18	0.003	0.4	1.08	17	<10	370	<0.5	2	1.95	2.5	13	26	46	2.80
CC76725		0.12	0.006	0.4	1.02	14	<10	310	<0.5	2	2.52	1.9	10	26	40	2.51
CC76726		0.10	0.003	0.4	1.33	10	<10	340	0.5	3	1.59	1.8	11	33	48	2.40
CC76727		0.18	0.005	0.4	1.34	25	<10	450	0.6	3	2.95	1.5	12	29	45	2.97
CC76728		0.12	0.004	0.4	1.31	31	<10	300	0.6	2	5.55	1.7	12	27	47	3.05
CC76729		0.24	0.003	0.2	1.00	15	<10	300	0.5	2	9.4	0.9	9	19	35	2.46
CC76730		0.20	0.003	0.3	0.78	11	<10	190	<0.5	2	8.1	0.5	8	16	30	2.13
CC76731		0.16	0.005	0.4	1.03	37	<10	230	<0.5	2	4.66	1.4	10	25	39	2.62
CC76732		0.16	0.004	0.4	0.79	46	<10	200	<0.5	<2	3.59	1.8	9	20	41	2.51
CC76733		0.18	0.003	0.3	1.04	35	<10	210	0.5	3	3.50	1.7	10	22	37	2.77
CC76734		0.20	0.003	0.3	0.90	27	<10	320	<0.5	2	6.56	1.7	8	20	37	2.31
CC76735		0.12	0.003	0.2	1.02	20	<10	390	0.5	2	2.94	1.0	9	20	27	2.44
CC76736		0.26	0.004	0.3	0.95	21	<10	250	<0.5	3	7.24	1.4	9	19	34	2.48
CC76737		0.38	0.006	0.2	0.76	19	<10	280	<0.5	2	9.6	1.0	7	15	29	2.08
CC76738		0.30	0.006	0.2	0.75	20	<10	220	<0.5	2	6.81	1.0	8	16	30	2.06
CC76739		0.16	0.003	0.3	0.91	23	<10	320	<0.5	<2	5.58	1.4	8	19	36	2.38
CC76740		0.28	0.002	0.2	0.85	21	<10	200	<0.5	2	6.68	1.1	8	18	31	2.30
CC76741		0.24	0.003	<0.2	0.77	13	<10	260	<0.5	3	9.6	0.7	7	15	28	2.03
CC76742		0.22	0.002	0.4	1.05	18	<10	190	0.5	2	5.92	0.6	8	19	29	2.54
CC76743		0.22	0.002	0.3	0.77	14	<10	170	<0.5	2	9.3	0.8	7	16	28	2.09
CC76744		0.10	0.002	0.2	0.90	17	<10	260	<0.5	<2	5.02	1.1	8	18	29	2.21
CC76745		0.18	0.001	<0.2	0.63	11	<10	210	<0.5	2	10.5	0.7	6	13	24	1.83
CC76746		0.26	0.003	0.2	0.72	14	<10	220	<0.5	2	9.3	0.5	7	15	24	2.03
CC76747		0.16	0.002	<0.2	0.76	13	<10	250	<0.5	3	7.29	<0.5	7	15	24	2.16
CC76748		0.26	<0.001	0.2	0.69	13	<10	140	<0.5	2	8.2	0.5	7	14	19	2.06
CC76749		0.20	0.001	0.2	0.69	12	<10	190	<0.5	2	9.0	0.7	7	14	22	1.99
CC76750		0.22	0.006	0.2	0.66	12	<10	160	<0.5	3	9.5	0.6	7	13	24	1.96
CC76751		0.22	0.001	0.3	0.78	15	<10	200	<0.5	2	6.25	0.6	8	16	26	2.30
CC76752		0.14	0.011	0.2	1.22	14	<10	270	<0.5	3	0.79	<0.5	12	29	19	3.14
CC76753		0.08	0.003	0.6	1.30	44	<10	770	0.6	2	1.09	4.3	31	35	47	6.56
CC76754		0.10	0.003	0.3	1.15	17	<10	420	<0.5	<2	1.63	1.3	13	28	30	3.08
CC76755		0.10	0.004	0.4	1.39	19	<10	450	0.5	2	1.32	2.3	17	31	44	3.28
CC76756		0.10	0.002	0.3	1.16	18	<10	380	0.5	3	3.03	2.4	13	27	54	2.90
CC76757		0.10	0.002	0.3	1.19	18	<10	360	<0.5	<2	1.13	1.2	12	28	38	2.86
CC76758		0.16	0.005	0.4	1.11	21	<10	340	<0.5	2	0.67	2.3	13	30	34	3.27
CC76759		0.10	0.004	0.3	1.28	26	<10	290	0.5	<2	2.06	1.5	13	29	45	3.58
CC76760		0.14	0.003	0.3	1.29	18	<10	310	0.6	<2	1.27	1.3	12	26	42	2.90
CC76761		0.08	0.002	0.2	1.11	16	<10	350	0.5	<2	3.49	1.1	9	20	36	2.39

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CERTIFICATE OF ANALYSIS VA10078947

Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
Sample Description Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC76722	<10	<1	0.10	20	1.03	279	<1	0.01	35	990	23	0.04	<2	3	34
CC76723	10	<1	0.13	10	1.65	1335	2	0.02	56	940	34	0.02	<2	4	33
CC76724	<10	<1	0.10	20	1.07	1055	2	0.02	52	980	26	0.04	<2	3	36
CC76725	<10	<1	0.09	10	1.44	804	1	0.02	46	970	24	0.05	<2	2	36
CC76726	<10	<1	0.14	10	0.89	796	<1	0.02	59	990	29	0.07	<2	3	32
CC76727	<10	<1	0.15	10	1.77	665	2	0.02	41	950	42	0.03	3	3	40
CC76728	<10	<1	0.18	10	2.88	838	3	0.02	42	880	49	<0.01	2	4	67
CC76729	10	<1	0.15	10	3.94	742	1	0.01	26	730	29	<0.01	<2	3	96
CC76730	<10	<1	0.09	10	3.78	656	<1	0.01	21	670	22	<0.01	<2	3	70
CC76731	<10	<1	0.10	10	2.89	290	1	0.01	68	900	36	0.06	3	3	45
CC76732	<10	<1	0.09	10	2.23	546	8	0.01	45	850	64	<0.01	6	2	44
CC76733	<10	<1	0.12	10	2.22	752	4	0.01	39	920	47	0.01	3	3	40
CC76734	<10	<1	0.12	10	3.30	573	6	0.02	35	830	43	<0.01	4	3	83
CC76735	<10	<1	0.10	10	1.21	689	1	0.02	27	570	35	0.04	<2	3	42
CC76736	<10	<1	0.12	10	3.64	748	3	0.01	30	780	37	<0.01	<2	3	84
CC76737	<10	<1	0.10	10	4.10	620	2	0.01	24	700	29	<0.01	<2	3	97
CC76738	<10	<1	0.09	10	3.64	601	2	0.01	26	710	30	<0.01	<2	2	70
CC76739	<10	<1	0.12	10	2.93	706	2	0.02	31	810	37	0.03	<2	3	58
CC76740	<10	<1	0.09	10	3.71	572	1	0.01	28	740	31	<0.01	<2	3	58
CC76741	<10	<1	0.09	10	3.93	601	<1	0.01	21	630	23	0.01	<2	2	99
CC76742	<10	<1	0.12	10	2.83	702	<1	0.01	26	630	32	0.01	<2	3	64
CC76743	<10	<1	0.09	10	4.23	639	<1	0.01	22	680	26	0.01	<2	2	92
CC76744	<10	<1	0.11	10	2.59	549	1	0.02	24	780	29	0.04	<2	2	51
CC76745	<10	<1	0.08	10	4.70	598	<1	0.02	18	620	20	0.01	<2	2	101
CC76746	<10	<1	0.08	10	3.99	593	<1	0.01	20	600	22	0.01	<2	2	92
CC76747	<10	<1	0.07	10	3.58	612	<1	0.01	20	580	22	0.02	<2	2	73
CC76748	<10	<1	0.07	10	4.36	609	<1	0.01	19	640	21	0.02	<2	2	72
CC76749	<10	<1	0.08	10	4.35	618	<1	0.01	19	650	21	0.01	<2	2	86
CC76750	<10	<1	0.07	10	4.51	609	<1	0.01	21	620	21	0.01	<2	2	90
CC76751	<10	<1	0.08	10	3.96	919	<1	0.01	22	700	24	0.01	<2	2	49
CC76752	<10	<1	0.10	30	0.64	527	<1	0.01	26	1020	24	0.01	<2	3	31
CC76753	<10	<1	0.11	10	0.72	4490	8	0.02	64	1040	26	0.04	2	4	34
CC76754	<10	<1	0.11	20	0.78	1215	1	0.02	39	1070	24	0.04	<2	3	36
CC76755	<10	<1	0.14	10	0.72	1885	2	0.02	58	1020	27	0.05	<2	3	35
CC76756	10	<1	0.12	10	1.68	1050	1	0.02	52	1020	28	0.03	<2	3	41
CC76757	<10	<1	0.09	20	0.63	862	1	0.02	49	820	25	0.03	<2	3	31
CC76758	<10	<1	0.10	20	0.61	1765	3	0.02	64	1000	24	0.02	<2	3	24
CC76759	<10	<1	0.13	10	1.30	563	3	0.03	42	940	49	0.06	<2	4	33
CC76760	<10	<1	0.11	10	0.82	604	2	0.02	40	800	40	0.05	<2	3	27
CC76761	<10	<1	0.15	10	1.34	546	2	0.03	30	800	27	0.09	<2	2	50

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 3-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078947

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC76722		<20	0.02	<10	<10	46	<10	178
CC76723		<20	0.03	<10	<10	53	<10	231
CC76724		<20	0.02	<10	<10	42	<10	228
CC76725		<20	0.02	<10	<10	40	<10	207
CC76726		<20	0.02	<10	<10	48	<10	278
CC76727		<20	0.02	<10	<10	51	<10	200
CC76728		<20	0.02	<10	<10	52	<10	213
CC76729		<20	0.02	<10	<10	37	<10	145
CC76730		<20	0.02	<10	<10	30	<10	121
CC76731		<20	0.02	<10	<10	42	<10	346
CC76732		<20	0.02	<10	<10	45	<10	222
CC76733		<20	0.02	<10	<10	46	<10	198
CC76734		<20	0.03	<10	<10	41	<10	192
CC76735		<20	0.01	<10	<10	40	<10	133
CC76736		<20	0.02	<10	<10	39	<10	171
CC76737		<20	0.02	<10	<10	32	<10	135
CC76738		<20	0.02	<10	<10	33	<10	145
CC76739		<20	0.02	<10	<10	37	<10	188
CC76740		<20	0.02	<10	<10	35	<10	150
CC76741		<20	0.02	<10	<10	31	<10	113
CC76742		<20	0.02	<10	<10	37	<10	136
CC76743		<20	0.02	<10	<10	31	<10	124
CC76744		<20	0.01	<10	<10	34	<10	175
CC76745		<20	0.02	<10	<10	27	<10	105
CC76746		<20	0.01	<10	<10	29	<10	104
CC76747		<20	0.01	<10	<10	30	<10	101
CC76748		<20	0.01	<10	<10	27	<10	102
CC76749		<20	0.02	<10	<10	28	<10	112
CC76750		<20	0.02	<10	<10	26	<10	102
CC76751		<20	0.01	<10	<10	31	<10	121
CC76752		<20	0.03	<10	<10	45	<10	142
CC76753		<20	0.02	<10	<10	63	<10	351
CC76754		<20	0.02	<10	<10	49	<10	195
CC76755		<20	0.02	<10	<10	51	<10	250
CC76756		<20	0.02	<10	<10	46	<10	224
CC76757		<20	0.02	<10	<10	46	<10	182
CC76758		<20	0.02	<10	<10	53	<10	225
CC76759		<20	0.02	<10	<10	51	<10	216
CC76760		<20	0.02	<10	<10	48	<10	180
CC76761		<20	0.01	<10	<10	39	<10	185

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 3-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078947

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC76762		0.22	0.004	<0.2	1.11	18	<10	210	0.5	<2	5.76	1.0	10	21	38	2.62
CC76763		0.26	0.004	<0.2	1.04	11	<10	270	<0.5	<2	4.94	0.8	9	19	35	2.51
CC76764		0.18	0.004	0.3	1.21	47	<10	260	0.5	<2	2.59	2.0	12	28	42	2.91
CC76765		0.20	0.003	0.3	0.88	20	<10	220	<0.5	<2	5.26	1.0	7	17	31	2.31
CC76766		0.20	0.004	0.3	0.95	30	<10	210	<0.5	<2	3.82	1.4	10	25	35	2.67
CC76767		0.22	0.002	0.2	0.82	15	<10	200	<0.5	<2	5.62	0.8	6	16	26	2.22
CC76768		0.34	0.002	0.2	0.99	21	<10	240	<0.5	<2	6.17	1.2	9	20	37	2.51
CC76769		0.20	0.003	0.3	1.00	20	<10	270	<0.5	<2	4.01	1.7	9	20	37	2.31
CC76770		0.12	0.005	0.2	0.85	14	<10	220	<0.5	<2	6.71	0.8	8	16	27	2.24
CC76771		0.28	0.003	0.3	1.05	24	<10	260	<0.5	<2	4.86	1.6	9	21	41	2.63
CC76772		0.22	0.001	<0.2	0.77	17	<10	240	<0.5	<2	6.40	0.9	6	15	24	2.04
CC76773		0.16	0.002	<0.2	0.82	18	<10	240	<0.5	<2	5.23	1.6	9	17	30	2.10
CC76774		0.20	0.005	<0.2	0.80	11	<10	170	<0.5	<2	8.6	0.7	7	15	26	2.10
CC76775		0.26	0.001	0.2	0.84	12	<10	150	<0.5	<2	6.05	0.6	9	15	24	2.50
CC76776		0.22	0.002	<0.2	0.77	10	<10	220	<0.5	<2	8.0	0.7	6	15	25	2.04
CC76777		0.26	0.001	0.3	0.87	12	<10	230	<0.5	<2	7.0	0.8	8	17	29	2.16
CC76778		0.24	0.002	0.2	0.86	6	<10	140	<0.5	<2	5.62	0.5	6	16	28	1.71
CC76779		0.24	0.001	<0.2	0.72	9	<10	170	<0.5	<2	7.2	<0.5	7	14	18	2.06
CC76780		0.24	0.001	<0.2	0.75	11	<10	190	<0.5	<2	7.3	0.5	6	14	22	1.99
CC76781		0.26	0.001	<0.2	0.80	12	<10	190	<0.5	<2	6.81	0.6	7	15	25	2.14
CC76782		0.20	0.002	0.2	0.83	7	<10	130	<0.5	<2	5.62	<0.5	6	15	24	2.14
CC76783		0.10	0.002	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC76784		0.18	0.001	<0.2	0.74	10	<10	210	<0.5	<2	7.8	0.5	7	14	23	2.03

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 3-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078947

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC76762		<10	<1	0.14	10	3.19	721	2	0.03	33	750	33	0.03	2	3	56
CC76763		<10	<1	0.11	10	2.87	806	1	0.03	28	720	28	0.04	<2	3	41
CC76764		<10	<1	0.12	10	1.45	567	3	0.03	77	870	40	0.08	<2	3	36
CC76765		<10	<1	0.08	10	3.15	580	3	0.03	30	780	34	0.03	2	3	47
CC76766		<10	<1	0.11	10	2.42	740	6	0.03	39	890	45	0.03	5	3	37
CC76767		<10	<1	0.08	10	3.38	466	2	0.03	26	730	30	0.04	3	2	46
CC76768		<10	<1	0.12	10	3.25	648	4	0.03	33	720	36	0.03	2	3	60
CC76769		<10	<1	0.11	10	2.32	542	5	0.03	36	890	42	0.05	4	3	42
CC76770		<10	<1	0.10	10	3.58	574	2	0.03	27	700	28	0.03	<2	2	60
CC76771		<10	<1	0.11	10	2.95	673	4	0.03	36	880	40	0.03	2	3	46
CC76772		<10	<1	0.08	10	3.50	478	2	0.03	24	710	27	0.04	<2	2	51
CC76773		<10	<1	0.09	10	2.77	649	3	0.03	29	810	33	0.05	<2	2	50
CC76774		<10	<1	0.10	10	3.98	605	1	0.03	22	640	22	0.02	<2	2	90
CC76775		<10	<1	0.07	10	3.74	908	1	0.03	26	640	25	0.03	<2	2	43
CC76776		<10	<1	0.09	10	3.87	601	1	0.03	23	630	24	0.03	2	2	70
CC76777		<10	<1	0.09	10	3.53	648	1	0.03	25	680	27	0.03	<2	2	62
CC76778		<10	<1	0.08	10	3.56	334	<1	0.03	22	640	25	0.03	<2	3	39
CC76779		<10	<1	0.07	10	4.14	559	1	0.02	17	630	20	0.03	<2	2	59
CC76780		<10	<1	0.08	10	3.89	513	1	0.03	21	660	21	0.03	<2	2	65
CC76781		<10	<1	0.08	10	3.62	590	1	0.03	21	640	21	0.03	2	2	55
CC76782		<10	<1	0.08	10	3.54	537	1	0.03	22	650	22	0.04	2	2	38
CC76783		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC76784		<10	<1	0.08	10	3.88	568	1	0.03	20	620	20	0.04	<2	2	74

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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 3-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078947

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC76762		<20	0.02	<10	<10	42	<10	160
CC76763		<20	0.02	<10	<10	36	<10	133
CC76764		<20	0.02	<10	<10	45	<10	436
CC76765		<20	0.02	<10	<10	36	<10	150
CC76766		<20	0.02	<10	<10	46	<10	203
CC76767		<20	0.02	<10	<10	33	<10	143
CC76768		<20	0.02	<10	<10	39	<10	159
CC76769		<20	0.02	<10	<10	42	<10	193
CC76770		<20	0.02	<10	<10	33	<10	127
CC76771		<20	0.02	<10	<10	42	<10	186
CC76772		<20	0.02	<10	<10	31	<10	127
CC76773		<20	0.02	<10	<10	34	<10	146
CC76774		<20	0.02	<10	<10	32	<10	110
CC76775		<20	0.02	<10	<10	31	<10	112
CC76776		<20	0.02	<10	<10	30	<10	109
CC76777		<20	0.02	<10	<10	33	<10	119
CC76778		<20	0.02	<10	<10	32	<10	116
CC76779		<20	0.02	<10	<10	29	<10	100
CC76780		<20	0.02	<10	<10	29	<10	113
CC76781		<20	0.01	<10	<10	30	<10	104
CC76782		<20	0.01	<10	<10	30	<10	105
CC76783		NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC76784		<20	0.01	<10	<10	27	<10	100

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Project: RAU

Finalized Date: 3-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078947

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non-sufficient sample.

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 30-JUN-2010
Account: RCM

CERTIFICATE VA10078948

Project: RAU

P.O. No.: BATCH 6

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 17-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10078948

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA26 Au ppm 0.01	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
I074681		5.44	0.01	1.56	4.62	361	1740	1.30	0.38	10.90	36.2	60.9	52.8	27	9.38	46.1
I074682		4.80	<0.01	0.13	4.58	154	2280	0.86	0.06	21.3	0.86	64.2	53.2	31	9.68	33.6
I074683		5.98	<0.01	<0.01	6.41	7	1050	1.33	0.01	14.60	0.09	102.0	51.3	42	17.05	8.6
I074684		6.32	0.04	0.13	0.65	84	270	0.25	1.10	26.1	0.11	9.18	2.6	16	0.70	4.4
I074685		7.20	0.06	0.10	0.75	169	350	0.27	3.59	25.0	0.19	8.60	3.8	16	0.78	4.4
I074686		4.92	0.06	0.24	0.23	257	150	0.10	1.69	30.4	0.94	9.02	1.6	7	0.25	6.0
I074687		3.80	0.09	1.08	1.00	1000	5750	0.37	4.49	21.7	2.92	9.79	4.8	18	1.17	6.2
I074688		3.02	0.09	0.40	1.11	790	530	0.44	1.75	25.2	0.38	11.30	2.7	16	1.10	3.7
I074689		0.28	0.38	6.41	4.64	2.3	70	1.08	1.12	1.24	0.03	16.25	7.7	29	16.95	12.7
I074690		2.78	0.12	0.70	2.07	1020	1110	0.65	4.13	28.9	0.42	16.35	6.8	35	2.48	11.5
I074691		3.20	0.83	46.9	2.13	5190	2520	0.63	60.7	5.73	9.67	31.6	22.8	44	2.23	46.0
I074692		1.98	0.93	>100	1.96	5410	2630	0.61	58.8	6.90	9.84	30.0	22.8	42	2.11	66.9
I074693		4.30	0.06	0.96	7.54	812	1340	2.44	31.1	3.04	1.21	119.0	30.6	59	18.60	31.9
I074694		3.32	0.31	0.47	5.85	1645	1030	1.21	53.4	7.81	1.93	58.8	87.4	36	17.10	33.8
I074695		5.18	<0.01	0.07	0.09	14	30	0.07	0.18	20.6	0.07	1.37	1.5	2	0.19	1.8
I074696		4.52	0.02	0.41	5.26	751	760	1.10	0.22	20.3	0.56	75.5	23.6	33	6.10	23.9
I074697		4.28	0.01	0.31	4.37	694	870	1.02	0.12	23.3	0.28	65.9	33.2	26	4.92	21.1
I074698		5.08	0.02	0.47	4.73	735	960	0.86	16.65	19.95	0.45	67.3	40.1	26	5.65	31.7
I074699		6.04	0.01	0.54	5.33	252	860	1.20	10.20	16.70	0.24	77.7	37.8	34	11.95	32.0
I074700		5.64	<0.01	0.52	6.22	12	980	1.19	0.12	14.40	0.10	94.5	50.0	41	13.55	13.4
I074701		5.94	<0.01	0.75	7.60	1.1	690	1.47	0.10	9.54	0.06	111.0	56.4	52	15.85	23.6
I074702		5.70	0.01	0.93	8.80	1.1	790	1.77	0.08	6.75	0.06	141.5	59.0	66	14.40	19.1
I074703		5.30	<0.01	0.68	6.75	5	560	1.09	0.09	13.00	0.08	99.2	46.6	43	12.40	25.6
I074704		0.28	0.41	1.70	0.16	5270	50	0.06	71.1	15.80	2.01	13.35	1.7	6	0.36	15.3
I074705		4.98	<0.01	0.52	6.42	17	580	1.22	0.40	11.90	0.07	101.0	49.4	44	13.30	27.1
I074706		5.22	0.01	0.51	6.29	15	530	1.29	0.29	12.20	0.07	88.2	40.6	40	16.25	11.1
I074707		5.42	<0.01	0.56	5.85	8	580	0.95	0.14	14.05	0.08	89.9	43.0	38	17.85	7.1
I074708		5.52	0.01	0.55	6.15	6	710	1.00	0.28	11.75	0.05	99.7	52.9	40	18.05	8.6
I074709		5.90	0.01	0.56	7.39	<0.2	930	1.38	1.06	9.52	0.04	118.0	69.3	49	11.10	9.4
I074710		5.70	<0.01	0.46	6.05	<5	740	1.15	1.13	15.40	0.04	87.4	50.1	40	8.38	13.6
I074711		5.94	0.02	0.49	6.38	6	880	1.15	2.01	13.45	0.04	96.3	55.5	43	13.75	16.3
I074712		5.36	<0.01	0.48	6.71	6	910	1.35	2.13	13.10	0.03	99.0	39.6	43	9.90	27.4
I074713		4.30	0.01	0.01	0.09	<5	20	0.06	0.05	19.90	0.06	1.56	1.5	1	0.17	1.8
I074714		4.40	0.03	0.57	4.45	667	1290	1.07	11.90	19.45	0.51	70.1	36.1	28	4.74	65.2
I074715		2.40	0.05	0.58	5.11	894	1240	0.90	0.15	17.20	0.45	82.5	43.3	33	5.27	29.7
I074716		2.44	0.05	0.93	8.89	3740	1630	1.93	0.25	1.47	1.21	117.5	78.8	72	15.60	44.5

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 30-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078948

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I074681		5.90	12.95	0.19	0.3	0.061	1.97	26.0	4.5	3.03	5280	0.22	0.03	14.8	95.7	1980
I074682		3.71	12.90	0.16	0.2	0.039	1.57	27.8	29.1	1.40	1120	0.30	0.07	29.7	84.6	3050
I074683		5.71	17.35	0.22	0.3	0.040	2.76	44.3	36.6	2.79	869	0.16	0.13	39.6	85.6	1420
I074684		0.91	2.02	0.05	0.3	0.076	0.32	6.3	6.2	5.32	471	0.12	<0.01	2.9	10.3	210
I074685		1.45	2.87	0.06	0.4	0.042	0.38	5.3	7.4	5.92	659	0.30	<0.01	3.5	12.5	190
I074686		1.53	1.16	0.05	0.1	0.168	0.11	5.2	1.5	1.60	1040	0.36	<0.01	1.1	5.4	90
I074687		3.48	4.07	0.08	0.5	0.027	0.39	5.8	4.0	5.82	2590	0.81	0.07	4.0	14.8	300
I074688		2.37	3.66	0.08	0.6	0.020	0.57	7.6	10.2	4.53	917	0.37	0.01	5.4	5.9	350
I074689		1.90	13.75	0.10	1.4	0.018	3.15	9.0	10.0	0.59	272	9.34	1.20	2.3	7.8	410
I074690		2.39	6.81	0.08	1.5	0.030	1.00	10.8	16.9	1.74	2220	0.43	0.02	11.8	10.2	770
I074691		27.9	8.93	0.56	1.1	0.073	0.87	17.8	4.7	0.32	1880	35.5	0.02	21.9	59.3	1580
I074692		28.9	8.22	0.54	1.0	0.076	0.82	17.5	4.0	0.31	2080	70.7	0.02	48.6	60.6	1510
I074693		12.60	25.6	0.33	2.4	0.071	3.92	60.2	27.9	1.63	1380	0.90	0.07	27.3	82.7	3310
I074694		15.15	22.0	0.36	1.6	0.070	2.37	29.9	22.9	1.73	3070	0.86	0.06	20.7	135.5	3410
I074695		0.48	0.40	0.19	<0.1	<0.005	0.04	0.7	1.4	12.40	197	0.23	0.01	0.4	<0.2	220
I074696		3.51	13.90	0.16	1.0	0.067	2.26	35.5	13.5	1.06	891	0.29	0.05	29.7	46.6	1860
I074697		4.05	11.65	0.17	0.3	0.058	1.94	32.1	12.2	1.11	955	0.17	0.06	25.6	56.8	2480
I074698		4.55	12.75	0.17	0.3	0.072	1.89	33.1	15.2	1.42	1290	0.17	0.07	33.9	55.8	2060
I074699		5.20	13.65	0.19	0.5	0.050	2.28	37.8	28.8	2.00	1080	0.17	0.06	42.3	71.9	2040
I074700		6.02	16.00	0.23	0.2	0.038	2.44	47.0	26.2	2.18	832	0.16	0.19	53.4	108.5	1820
I074701		7.42	22.0	0.29	0.4	0.041	2.87	53.3	32.4	2.36	728	0.19	0.27	67.6	131.0	1120
I074702		8.33	24.4	0.33	0.6	0.052	3.32	68.2	40.5	2.17	752	0.22	0.33	79.4	143.0	1280
I074703		7.46	17.55	0.25	0.3	0.043	2.86	48.9	33.7	1.97	1080	0.21	0.21	59.8	110.0	1730
I074704		10.90	1.13	0.25	0.1	0.106	0.06	5.6	2.0	8.31	4560	2.20	0.02	1.6	4.4	140
I074705		7.43	17.25	0.24	0.2	0.050	2.79	48.2	44.2	1.88	1160	0.18	0.20	57.7	106.0	1460
I074706		6.56	16.90	0.22	0.2	0.049	2.71	42.7	45.9	1.83	1200	0.17	0.23	54.9	98.7	1560
I074707		6.66	16.05	0.22	0.1	0.051	2.74	44.0	48.1	1.75	1370	0.12	0.20	51.8	100.5	2680
I074708		7.12	17.05	0.24	0.3	0.051	2.70	48.4	59.2	1.73	1340	0.16	0.18	54.3	100.5	1790
I074709		7.45	22.4	0.28	0.4	0.040	2.80	57.2	47.4	1.88	1010	0.15	0.34	46.8	128.0	1210
I074710		5.81	15.50	0.20	0.3	0.032	2.12	42.4	29.3	1.74	867	0.11	0.30	31.0	94.8	1930
I074711		6.15	19.00	0.24	0.4	0.044	2.81	47.5	32.0	2.04	726	0.17	0.23	34.1	105.0	1770
I074712		5.37	18.35	0.21	0.5	0.029	2.67	48.5	26.1	1.83	506	0.14	0.27	37.6	98.0	2050
I074713		0.43	0.42	0.18	<0.1	<0.005	0.04	0.8	1.3	11.95	187	0.08	0.01	0.5	<0.2	220
I074714		4.68	13.20	0.19	0.4	0.088	1.75	33.7	17.5	1.30	1340	0.18	0.03	38.0	68.3	2320
I074715		5.33	13.80	0.19	0.3	0.064	1.96	41.2	20.6	1.26	1360	0.19	0.03	44.2	74.1	2640
I074716		14.40	24.9	0.41	0.5	0.102	3.98	57.6	26.5	1.83	1520	0.36	0.08	68.6	163.0	2600

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Project: RAU

Finalized Date: 30-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078948

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I074681		991	150.0	0.005	0.88	12.80	10.6	2	9.7	47.6	0.90	<0.05	2.7	0.600	2.09	1.7
I074682		117.5	56.0	<0.002	0.63	6.15	9.5	1	1.8	115.0	1.86	<0.05	2.7	1.025	1.15	0.6
I074683		3.1	76.6	<0.002	0.02	0.17	12.7	1	2.3	83.3	2.53	<0.05	4.0	1.455	1.03	0.4
I074684		4.5	13.2	<0.002	0.02	1.30	1.6	1	0.3	101.0	0.17	<0.05	0.5	0.094	0.09	0.3
I074685		9.4	16.0	0.002	0.02	1.52	1.7	1	0.4	80.5	0.21	<0.05	0.6	0.106	0.13	0.4
I074686		45.3	5.3	<0.002	0.04	1.00	1.0	1	0.2	120.0	0.06	<0.05	0.2	0.028	0.06	0.2
I074687		82.6	24.8	<0.002	0.15	1.50	2.1	2	0.6	164.0	0.25	<0.05	0.8	0.111	0.37	0.7
I074688		3.8	19.7	<0.002	0.02	1.09	2.7	1	0.6	56.7	0.33	<0.05	1.1	0.131	0.16	0.6
I074689		11.9	680	<0.002	0.01	0.65	6.9	1	1.0	51.3	0.23	<0.05	1.0	0.227	5.25	0.6
I074690		4.9	36.6	<0.002	0.02	2.18	4.1	1	1.4	37.9	0.78	<0.05	2.1	0.264	0.55	1.4
I074691		177.5	36.7	0.002	0.09	12.55	3.7	2	1.3	20.3	0.31	0.20	1.9	0.126	0.61	3.2
I074692		171.5	32.6	0.003	0.07	12.25	3.6	2	1.3	20.5	0.38	0.18	1.8	0.176	0.58	3.1
I074693		7.5	228	0.002	0.91	1.21	16.7	2	7.4	93.5	1.60	0.09	4.8	0.979	2.37	3.2
I074694		35.2	86.7	<0.002	0.24	2.09	12.5	2	5.6	43.6	1.27	<0.05	3.6	0.729	0.96	2.9
I074695		1.4	1.6	<0.002	0.02	<0.05	0.4	1	<0.2	41.3	<0.05	<0.05	<0.2	0.007	<0.02	0.6
I074696		7.7	69.3	0.002	0.05	1.10	11.7	2	1.7	71.5	1.82	<0.05	3.1	0.972	0.58	1.1
I074697		3.2	61.9	<0.002	0.02	0.76	9.8	2	1.2	91.5	1.55	<0.05	2.5	0.857	0.40	0.7
I074698		3.9	52.6	0.002	0.01	0.57	10.7	2	1.8	76.3	2.11	<0.05	2.7	1.105	0.36	0.6
I074699		3.0	69.9	<0.002	0.03	0.38	11.4	2	2.2	69.7	2.61	<0.05	3.2	1.375	0.80	0.6
I074700		3.0	61.3	0.002	0.03	0.11	13.4	2	2.4	91.9	3.28	<0.05	3.9	1.675	0.78	0.3
I074701		2.9	76.6	<0.002	0.05	0.10	16.0	3	3.2	80.6	4.03	<0.05	4.8	2.07	0.88	0.5
I074702		3.3	91.1	<0.002	0.04	0.14	18.8	3	4.4	87.5	4.92	<0.05	5.8	2.51	0.93	0.5
I074703		3.5	85.5	<0.002	0.14	0.09	14.1	3	3.6	100.0	3.56	<0.05	4.0	1.845	0.91	0.3
I074704		100.0	4.4	0.002	8.62	3.07	0.6	1	3.2	105.5	0.05	0.12	0.6	0.016	0.07	0.3
I074705		2.8	90.0	<0.002	0.32	0.10	13.7	3	4.0	103.0	3.35	<0.05	4.0	1.770	0.91	0.3
I074706		2.2	98.4	<0.002	0.15	0.08	13.0	3	4.5	95.4	3.19	<0.05	3.8	1.680	1.07	0.2
I074707		2.4	102.0	0.002	0.12	0.07	12.1	2	4.6	99.6	3.25	<0.05	3.8	1.595	1.16	0.2
I074708		1.8	103.0	<0.002	0.32	0.08	13.0	2	5.4	77.4	3.32	0.06	3.9	1.685	1.17	0.3
I074709		3.3	109.5	<0.002	1.73	0.10	15.2	2	11.4	101.0	2.88	0.23	5.0	1.460	0.92	0.4
I074710		2.5	86.9	<0.002	1.88	0.08	11.6	2	9.7	126.0	1.91	0.27	3.8	0.954	0.70	0.3
I074711		2.2	129.5	0.002	2.04	0.09	13.0	2	13.5	114.0	2.07	0.26	3.9	1.005	1.00	0.3
I074712		2.3	122.0	<0.002	2.18	0.10	13.1	2	14.6	95.5	2.29	0.21	4.1	1.110	0.82	0.3
I074713		1.2	1.7	<0.002	0.02	<0.05	0.4	1	<0.2	41.8	<0.05	<0.05	0.2	0.007	<0.02	0.8
I074714		4.3	55.8	0.002	0.02	0.67	10.1	2	2.0	84.3	2.32	<0.05	2.8	1.160	0.26	0.6
I074715		3.6	60.2	<0.002	0.01	0.38	10.9	2	2.0	63.7	2.59	<0.05	3.1	1.345	0.26	0.6
I074716		4.4	165.0	0.002	0.01	0.94	19.3	3	3.7	27.4	4.23	0.07	5.4	2.35	1.39	1.7

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Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Ag-OG62 Ag ppm 1	Zn-OG62 Zn % 0.001
I074681		106	62.6	12.7	>10000	13.5		1.245
I074682		114	6.2	13.4	344	4.3		
I074683		159	2.3	13.0	55	6.0		
I074684		13	0.9	6.2	18	13.2		
I074685		16	145.5	4.7	62	16.5		
I074686		4	5.4	6.6	208	5.1		
I074687		18	3.5	5.3	648	20.7		
I074688		22	1.6	7.1	106	21.1		
I074689		49	0.3	9.5	24	44.5		
I074690		57	3.8	8.8	121	48.0		
I074691		92	62.8	21.1	1310	37.5		
I074692		91	66.4	21.5	1360	35.6	120	
I074693		238	7.6	21.4	176	87.4		
I074694		171	8.6	16.3	1100	57.4		
I074695		4	0.2	0.9	16	0.6		
I074696		136	1.6	15.7	183	31.2		
I074697		111	2.9	13.5	97	12.8		
I074698		125	1.5	12.8	98	11.4		
I074699		146	5.0	14.9	78	17.6		
I074700		170	0.4	16.7	54	7.2		
I074701		206	0.4	16.2	69	14.0		
I074702		250	0.4	18.5	75	20.5		
I074703		183	0.3	16.9	67	8.2		
I074704		8	129.5	5.4	429	3.3		
I074705		177	0.6	15.6	57	6.9		
I074706		168	0.5	15.9	50	5.7		
I074707		157	0.2	17.2	49	5.6		
I074708		170	0.2	16.1	50	9.0		
I074709		184	0.6	16.7	36	13.8		
I074710		137	0.9	13.6	21	9.5		
I074711		152	0.7	15.9	21	12.1		
I074712		157	1.7	15.2	14	14.4		
I074713		4	0.1	0.9	14	0.5		
I074714		122	2.7	14.4	137	13.0		
I074715		135	0.9	15.8	145	9.5		
I074716		251	4.4	20.8	932	18.0		

***** See Appendix Page for comments regarding this certificate *****

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Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 30-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078948

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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Finalized Date: 1-JUL-2010
Account: RCM

CERTIFICATE VA10078949

Project: RAU

P.O. No.: BATCH 7

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 17-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LOG-23	Pulp Login - Rcvd with Barcode
CRU-31	Fine crushing - 70% <2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Project: RAU

Finalized Date: 1-JUL-2010
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CERTIFICATE OF ANALYSIS VA10078949

Method / Analyte / Units / LOR / Sample Description	WEI-21 Recvd Wt. kg 0.02	Au-AA26 Au ppm 0.01	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
I074717	1.84	0.06	0.57	9.69	2920	2650	3.22	1.64	0.20	4.05	44.6	15.9	81	8.26	17.7
I074718	0.84	0.04	11.30	0.89	>10000	640	0.43	8.55	0.42	30.5	29.4	8.4	14	2.80	34.7
I074719	1.42	0.02	1.86	9.58	5740	2330	2.49	4.98	0.69	7.48	90.3	11.7	50	9.97	55.7
I074720	2.20	0.18	9.35	0.62	>10000	6500	0.39	13.10	0.34	22.4	24.1	6.9	9	1.69	13.2
I074721	2.70	0.06	6.35	0.97	>10000	9810	0.56	5.58	0.34	24.2	32.1	7.5	12	1.67	12.9
I074722	7.64	<0.01	0.03	0.07	30	50	<0.05	0.05	20.6	0.13	1.37	1.1	2	0.15	2.2
I074723	3.92	<0.01	0.66	8.31	943	1560	2.45	0.62	0.68	2.13	138.5	19.8	85	41.8	3.7
I074724	5.98	<0.01	0.24	9.21	115.0	1730	2.43	0.07	0.52	0.29	101.5	22.5	75	24.5	5.1
I074725	0.26	1.38	0.65	4.97	70.1	100	1.27	1.35	1.00	0.13	15.60	25.0	149	24.8	456
I074726	6.70	<0.01	0.14	4.85	55	960	1.08	0.08	20.5	0.19	68.9	29.4	32	5.78	35.4
I074727	7.22	<0.01	0.11	5.66	22	1020	1.26	0.03	20.0	0.10	77.8	20.9	37	8.47	16.9
I074728	7.72	<0.01	0.09	5.05	43	1180	1.14	0.05	20.2	0.08	65.6	38.1	31	6.87	34.5
I074729	5.96	<0.01	<0.01	5.12	64	1090	1.12	0.14	20.1	0.12	71.9	32.3	31	14.35	24.9
I074730	2.92	0.01	0.21	7.08	390	1690	1.58	0.88	13.55	0.13	104.0	32.6	41	28.0	39.2
I074731	4.08	0.01	0.20	2.65	60	790	0.78	1.82	16.30	0.04	30.6	11.6	26	6.32	20.0
I074732	2.00	0.01	0.28	2.74	62	850	0.81	1.84	15.75	0.05	26.2	12.6	24	6.04	35.1
I074733	7.22	<0.01	0.06	0.13	17	140	0.22	0.08	19.95	0.06	2.59	1.2	8	0.93	3.3
I074734	8.16	<0.01	0.04	0.06	22	110	0.19	0.08	20.4	0.04	1.74	1.0	3	0.37	2.1
I074735	5.36	<0.01	0.18	5.77	<5	690	1.28	1.25	16.25	0.03	89.5	46.8	38	15.45	18.9
I074736	5.44	<0.01	0.18	6.07	7	890	1.24	0.87	13.75	0.04	95.2	45.5	38	28.4	19.1
I074737	5.14	0.01	0.21	6.14	<5	920	1.29	1.56	18.75	0.04	99.4	46.0	43	27.2	20.5
I074738	5.60	0.01	0.23	5.91	<5	740	1.01	1.52	16.55	0.02	90.7	39.3	37	15.50	4.0
I074739	5.36	<0.01	0.31	8.29	1.6	1100	1.68	2.45	8.64	0.05	136.5	48.0	53	27.1	13.2
I074740	5.70	<0.01	0.43	8.85	<0.2	1140	1.93	2.62	7.67	0.05	151.0	59.1	53	22.5	19.4
I074741	5.30	0.01	0.48	8.49	<0.2	1000	1.72	2.54	7.87	0.07	154.5	67.9	47	26.8	18.8
I074742	4.72	<0.01	0.35	7.71	3.4	1130	1.69	2.49	9.60	0.05	116.5	52.6	43	26.3	12.3
I074743	5.38	0.01	0.21	5.64	5	760	0.90	1.75	15.60	<0.02	89.6	54.0	32	28.4	7.0
I074744	4.36	<0.01	<0.01	0.08	<5	20	0.06	0.02	20.9	0.06	1.55	1.4	2	0.20	2.2
I074745	2.60	<0.01	0.27	8.18	421	1300	0.81	1.44	3.65	0.22	28.4	46.0	251	46.7	30.0
I074746	1.98	<0.01	0.23	7.64	1450	1500	0.72	1.89	3.93	2.17	28.5	56.7	245	40.8	53.8
I074748	0.26	1.31	0.59	5.12	77.0	90	1.17	1.60	0.98	0.13	16.40	24.9	153	27.7	454
I074749	0.66	<0.01	0.09	8.29	1520	2860	1.06	0.47	4.35	5.19	35.4	64.7	285	42.7	57.7
I074750	5.30	<0.01	0.02	0.17	140	60	0.16	7.70	20.4	1.53	4.08	2.2	4	1.05	8.3
I074751	6.26	0.01	0.05	0.15	547	40	0.19	0.64	18.45	3.82	6.05	3.5	5	0.38	25.3
I074752	1.86	<0.01	0.19	0.44	2090	20	0.29	0.78	10.85	9.43	12.30	5.5	22	0.19	81.7
I074747	1.52	0.01	0.28	7.83	5020	1600	0.95	5.83	0.86	8.18	29.0	61.2	273	27.7	51.8

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Project: RAU

CERTIFICATE OF ANALYSIS VA10078949

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I074717		8.75	46.9	0.21	0.8	0.134	4.55	25.6	21.8	0.56	369	1.21	0.14	21.3	45.1	540
I074718		47.7	3.89	0.60	0.4	0.083	0.26	23.8	1.5	0.10	3120	2.96	0.01	1.7	28.2	540
I074719		14.15	21.0	0.41	7.1	0.300	1.56	48.7	45.3	0.92	1160	5.85	0.06	12.9	193.5	570
I074720		>50	2.32	0.96	0.2	0.116	0.19	15.3	1.1	0.11	3110	1.47	0.02	1.1	32.4	340
I074721		46.9	3.40	1.03	0.2	0.115	0.28	20.2	1.5	0.09	2760	1.31	0.03	2.0	30.4	590
I074722		0.56	0.26	<0.05	<0.1	<0.005	0.03	0.7	1.0	12.20	224	0.21	0.01	0.2	2.0	180
I074723		17.70	27.8	0.40	0.2	0.136	4.90	61.4	49.6	1.15	851	0.55	0.08	67.7	98.2	2630
I074724		12.95	26.3	0.30	0.2	0.126	5.14	48.1	56.9	1.18	563	0.49	0.39	73.9	91.8	1070
I074725		2.12	14.45	0.13	1.6	0.045	3.60	9.1	7.6	0.38	312	5.04	1.20	3.3	467	460
I074726		4.29	14.35	0.17	0.5	0.069	2.27	34.5	10.9	0.77	738	0.29	0.26	35.7	63.0	2240
I074727		4.83	15.75	0.18	0.3	0.083	2.61	37.9	11.4	0.82	479	0.17	0.26	42.6	64.8	1730
I074728		3.85	15.60	0.16	0.5	0.068	2.15	31.6	8.5	1.14	745	0.17	0.11	36.2	65.1	2260
I074729		2.61	16.35	0.16	0.5	0.065	2.43	35.0	13.3	1.35	796	0.23	0.09	33.7	64.2	2250
I074730		5.07	20.4	0.10	1.0	0.041	3.42	50.0	27.2	4.77	1080	1.77	0.06	30.1	69.4	3030
I074731		1.59	7.46	<0.05	1.6	0.011	1.13	15.5	9.1	9.99	400	5.56	0.07	12.3	35.2	1220
I074732		1.82	7.58	<0.05	1.8	0.013	1.17	13.3	8.9	9.47	398	6.30	0.06	13.7	44.0	1270
I074733		0.13	0.47	0.16	0.1	<0.005	0.07	1.5	4.1	12.30	198	0.46	0.01	0.7	0.4	180
I074734		0.11	0.32	0.19	<0.1	<0.005	0.02	1.2	3.5	12.65	171	0.12	0.01	0.2	<0.2	110
I074735		5.96	15.80	0.13	0.4	0.043	2.34	42.3	28.5	1.77	705	0.15	0.27	22.5	99.3	2140
I074736		5.39	17.90	0.13	0.3	0.056	3.06	46.8	41.4	2.38	716	0.12	0.22	23.5	101.0	2010
I074737		5.33	18.25	0.12	0.4	0.049	2.97	48.0	43.5	2.62	759	0.11	0.27	25.7	104.0	2540
I074738		5.62	17.90	0.12	0.7	0.029	2.43	41.3	29.9	2.07	675	0.13	0.41	25.8	98.2	2590
I074739		7.15	26.6	0.19	0.6	0.025	3.65	66.1	37.1	2.47	339	0.21	0.56	33.4	150.5	1300
I074740		8.18	29.7	0.27	0.5	0.028	3.93	72.9	44.6	2.60	279	0.19	0.69	36.6	165.5	1380
I074741		8.85	25.8	0.28	0.5	0.028	4.16	76.2	43.6	2.70	298	0.15	0.55	31.4	150.0	1870
I074742		7.69	23.4	0.19	0.6	0.027	3.47	56.6	36.7	2.49	373	0.15	0.71	28.2	131.5	1670
I074743		6.54	16.25	0.13	0.3	0.021	2.64	43.1	28.4	2.40	628	0.10	0.57	19.8	100.5	2430
I074744		0.46	0.31	0.10	<0.1	<0.005	0.03	0.7	1.3	12.80	192	0.18	0.01	0.3	<0.2	170
I074745		8.24	21.8	0.15	0.4	0.061	5.09	14.7	58.3	3.80	514	0.32	0.09	7.1	215	840
I074746		7.95	20.8	0.15	0.4	0.047	4.91	14.7	54.1	4.26	696	0.61	0.09	7.3	240	870
I074748		2.00	14.50	0.19	2.1	0.043	3.53	10.1	9.3	0.37	294	5.57	1.22	3.0	460	430
I074749		4.73	21.2	0.11	0.5	0.065	5.10	18.0	56.1	4.06	806	0.39	0.09	11.2	193.5	850
I074750		1.08	0.63	<0.05	<0.1	0.024	0.08	2.6	3.7	12.45	417	0.12	0.01	0.2	5.3	30
I074751		3.70	0.33	<0.05	<0.1	0.028	0.03	3.8	3.5	11.75	460	0.23	0.01	0.1	12.6	20
I074752		12.75	2.29	0.16	<0.1	0.533	0.01	7.1	2.7	9.53	508	0.38	0.01	0.1	28.1	90
I074747		10.00	17.85	0.11	0.7	0.035	4.94	15.6	47.5	4.41	410	0.97	0.10	4.7	165.5	960

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Project: RAU

Finalized Date: 1-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078949

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I074717		8.1	148.5	<0.002	0.04	2.22	23.6	1	3.2	33.8	1.20	0.06	4.7	0.693	1.08	1.4
I074718		53.9	14.6	<0.002	0.06	4.54	2.5	1	0.4	25.5	0.08	0.10	1.0	0.050	0.29	3.0
I074719		323	83.6	0.005	0.05	23.1	20.5	4	4.9	47.2	0.91	0.13	12.8	0.340	3.08	4.1
I074720		94.6	8.0	0.005	0.19	9.12	2.5	1	0.7	35.6	0.05	<0.05	0.8	0.035	0.24	3.0
I074721		63.4	13.2	0.004	0.30	8.48	4.6	2	1.2	52.6	0.10	0.06	0.6	0.060	0.27	2.6
I074722		1.5	1.5	<0.002	0.01	<0.05	0.5	1	<0.2	40.9	<0.05	<0.05	<0.2	<0.005	<0.02	0.4
I074723		9.8	345	<0.002	0.01	3.04	20.1	2	6.9	72.2	4.02	0.06	6.1	2.05	3.45	2.0
I074724		1.7	155.0	<0.002	<0.01	1.00	21.8	2	4.1	38.0	4.67	<0.05	6.6	2.48	1.57	0.3
I074725		168.5	930	<0.002	0.30	2.54	3.9	1	3.0	53.0	2.14	0.17	2.2	0.093	7.92	0.8
I074726		4.7	62.5	<0.002	0.03	0.98	11.4	1	1.4	173.5	2.30	<0.05	3.5	1.180	0.25	0.5
I074727		3.2	68.2	<0.002	0.01	0.97	13.5	1	1.7	182.0	2.71	<0.05	4.0	1.410	0.33	0.2
I074728		2.5	49.6	<0.002	0.12	0.58	12.1	1	1.5	122.5	2.33	<0.05	3.3	1.185	0.29	0.3
I074729		1.7	93.9	0.019	0.31	0.47	12.3	2	2.0	108.5	1.83	<0.05	3.4	0.927	0.98	0.9
I074730		3.0	199.5	<0.002	<0.01	3.15	14.5	2	3.8	44.4	1.95	0.05	3.9	1.075	1.84	1.3
I074731		3.3	62.3	<0.002	<0.01	1.99	5.6	3	1.5	73.8	0.79	0.05	2.2	0.429	0.57	4.2
I074732		3.6	58.6	0.002	0.03	2.21	5.9	3	1.6	72.3	0.87	0.05	1.9	0.476	0.56	4.6
I074733		1.7	4.5	<0.002	<0.01	0.50	0.6	2	<0.2	73.5	<0.05	<0.05	<0.2	0.019	0.08	1.4
I074734		1.1	1.2	<0.002	<0.01	0.45	0.3	2	<0.2	70.4	<0.05	<0.05	<0.2	<0.005	0.03	0.9
I074735		1.5	136.0	<0.002	2.17	0.08	11.5	2	9.8	116.0	1.42	0.24	3.1	0.745	1.11	0.3
I074736		2.1	232	<0.002	1.46	0.29	12.3	2	7.2	85.1	1.46	0.17	3.4	0.895	2.09	0.3
I074737		1.8	242	<0.002	1.81	0.10	12.5	2	9.4	114.5	1.58	0.19	3.5	0.851	2.13	0.3
I074738		3.6	164.5	<0.002	2.04	0.10	11.1	2	12.3	148.0	1.63	0.27	3.5	0.814	1.32	0.3
I074739		5.4	273	<0.002	2.98	0.26	16.5	2	17.8	107.5	2.07	0.27	5.0	1.055	2.32	0.4
I074740		5.3	272	<0.002	3.41	0.21	17.9	2	19.9	125.0	2.30	0.38	5.3	1.115	2.16	0.4
I074741		6.3	298	<0.002	3.53	0.23	16.7	2	16.4	117.0	2.00	0.33	5.1	0.951	2.43	0.3
I074742		6.0	276	<0.002	2.93	0.16	14.1	2	15.1	129.0	1.77	0.32	4.3	0.892	2.18	0.4
I074743		2.1	239	<0.002	2.37	0.10	10.5	2	9.9	136.5	1.25	0.33	3.2	0.617	2.14	0.2
I074744		1.3	1.8	<0.002	<0.01	<0.05	0.4	2	<0.2	44.8	<0.05	<0.05	<0.2	<0.005	<0.02	0.7
I074745		2.1	377	<0.002	3.37	1.28	27.7	2	9.4	46.6	0.36	0.22	1.4	0.462	3.95	0.6
I074746		2.2	385	0.002	2.20	1.33	25.9	2	6.7	41.4	0.38	0.20	1.5	0.447	3.71	0.4
I074748		170.5	890	<0.002	0.30	2.55	3.7	1	3.3	53.2	2.42	0.16	2.2	0.081	8.35	0.8
I074749		2.0	310	0.002	0.08	1.52	27.9	2	7.3	39.5	0.63	0.05	1.7	0.626	3.67	0.5
I074750		5.2	16.1	<0.002	0.08	0.41	0.9	2	0.3	43.6	<0.05	<0.05	0.2	0.006	0.16	0.3
I074751		14.2	5.0	<0.002	<0.01	0.81	1.0	2	0.2	50.3	<0.05	<0.05	<0.2	<0.005	0.11	0.8
I074752		71.7	1.1	<0.002	0.06	2.12	2.5	2	0.7	25.5	<0.05	<0.05	0.4	<0.005	0.10	2.8
I074747		9.2	435	<0.002	2.35	2.02	20.9	2	5.3	32.1	0.23	0.18	1.6	0.376	3.78	1.5

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 1-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078949

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
I074717		211	11.6	9.9	488	33.0
I074718		43	45.7	26.0	3750	13.0
I074719		201	123.5	29.3	5130	221
I074720		24	81.5	19.9	3680	7.9
I074721		34	77.1	24.5	3680	4.7
I074722		2	0.3	0.9	22	<0.5
I074723		181	46.7	24.5	822	1.5
I074724		193	1.9	14.1	142	4.8
I074725		22	8.2	4.1	135	63.2
I074726		124	0.6	16.2	73	21.3
I074727		134	0.6	22.3	71	4.7
I074728		128	0.3	15.6	37	20.2
I074729		124	0.6	16.7	48	22.4
I074730		166	10.0	17.7	94	31.2
I074731		151	1.7	9.1	14	62.6
I074732		142	1.8	9.8	13	67.3
I074733		12	0.2	1.6	11	3.3
I074734		7	0.1	1.1	11	1.3
I074735		118	0.9	17.5	15	13.0
I074736		133	1.6	17.3	26	11.8
I074737		130	2.7	17.7	18	11.3
I074738		124	1.2	15.7	11	20.1
I074739		175	1.4	19.9	25	18.8
I074740		186	2.0	19.3	15	16.9
I074741		170	2.0	22.1	19	12.4
I074742		153	1.2	21.4	17	21.3
I074743		111	0.9	19.6	12	10.0
I074744		3	0.1	0.9	16	<0.5
I074745		182	3.0	12.9	60	12.5
I074746		175	2.7	16.1	226	10.6
I074748		21	9.2	4.0	134	80.9
I074749		187	3.1	18.0	570	15.8
I074750		6	0.9	3.1	221	1.4
I074751		8	1.2	5.3	863	0.6
I074752		17	3.7	9.3	2660	0.5
I074747		179	2.7	10.0	948	20.9

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 1-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10078949

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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VANCOUVER BC V6B 1L8

Finalized Date: 29-JUN-2010
Account: RCM

CERTIFICATE VA10079580

Project: RAU

P.O. No.: BATCH 9

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 17-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Project: RAU

Finalized Date: 29-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10079580

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA26 Au ppm 0.01	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
I074789		6.38	0.09	0.59	0.54	583	30	0.11	301	10.60	0.06	5.20	1.5	5	5.91	11.8
I074790		5.90	0.16	0.29	0.08	588	10	0.06	114.5	13.25	0.05	5.60	0.8	2	0.85	6.2
I074791		7.02	0.29	0.67	0.14	873	10	0.14	229	10.15	0.08	4.82	1.4	2	1.35	10.5
I074792		3.24	0.21	0.56	1.53	716	110	0.23	163.5	9.07	0.07	9.11	3.4	13	1.28	13.8
I074793		7.26	0.08	0.69	0.20	561	10	0.09	353	8.69	0.09	5.73	1.0	5	2.55	22.9
I074794		6.48	2.41	0.80	0.06	1240	10	0.06	222	11.40	0.09	6.51	0.8	1	0.53	3.0
I074795		6.20	0.49	0.27	0.20	689	10	0.42	334	12.05	0.04	5.34	1.5	3	1.48	7.0
I074796		4.88	0.03	0.26	0.07	449	110	0.13	89.8	15.05	0.06	5.82	1.2	1	0.49	14.5
I074797		0.28	0.39	6.81	5.33	1.8	140	1.04	1.40	1.42	0.02	19.55	9.4	30	20.6	13.7
I074798		6.30	0.05	1.64	0.07	578	10	0.06	68.7	15.25	0.06	7.40	1.3	1	0.44	2.3
I074799		5.98	0.08	5.81	0.06	1140	10	<0.05	100.5	15.25	0.10	5.52	1.0	1	0.29	13.8
I074800		4.36	<0.01	0.02	0.07	6	30	0.08	0.35	21.2	0.07	1.33	1.3	<1	0.15	1.7
I074801		6.40	0.15	11.75	0.08	1700	10	0.06	115.5	14.10	0.14	5.84	1.5	1	0.46	8.8
I074802		5.80	0.07	2.49	0.27	665	20	0.10	41.2	16.55	0.08	6.72	1.4	1	0.77	4.4
I074803		5.80	0.13	1.47	0.73	664	110	0.19	68.0	15.55	0.08	13.70	2.4	2	2.37	8.2
I074804		5.92	0.09	0.26	0.17	555	10	0.06	90.1	15.75	0.06	6.77	0.9	1	0.86	3.0
I074805		6.00	0.21	0.12	0.11	1480	10	0.05	661	15.75	0.06	14.75	0.7	1	0.88	2.4
I074806		6.20	0.44	0.06	0.18	1480	30	0.28	844	15.50	0.07	36.4	0.9	1	0.83	3.2
I074807		6.08	0.47	0.06	0.28	801	40	0.07	214	14.85	0.06	31.0	1.1	1	2.11	1.8
I074808		6.94	0.67	0.28	0.16	3380	10	0.07	192.0	9.03	0.04	145.5	1.0	2	1.01	2.8
I074809		4.24	<0.01	0.01	0.06	6	10	0.09	0.92	20.6	0.06	1.43	1.2	1	0.12	1.9
I074810		2.74	0.08	0.12	2.99	525	200	0.70	33.3	12.20	0.05	53.9	1.2	8	6.49	2.2
I074811		3.28	0.04	<0.01	8.18	125.5	770	1.99	6.46	0.85	<0.02	106.5	2.9	44	5.91	7.7
I074812		5.92	0.22	0.06	0.75	1200	90	0.21	115.5	13.90	0.19	13.40	1.3	4	4.90	2.8
I074813		5.88	0.22	0.08	0.23	611	30	0.08	149.5	15.65	0.10	11.90	1.0	1	2.07	2.6
I074814		6.40	0.15	0.06	0.15	7400	20	0.06	94.1	16.60	0.10	8.21	1.2	<1	1.08	2.1
I074815		6.14	0.11	0.07	0.24	828	30	0.07	115.0	15.80	0.08	12.35	1.1	1	2.31	2.0
I074816		6.02	0.28	0.12	0.10	1020	10	0.05	104.5	16.20	0.46	13.35	0.8	1	0.49	2.2
I074817		2.54	0.05	0.11	0.06	525	10	0.09	7.01	19.45	0.65	4.84	1.4	2	0.15	1.6
I074818		2.86	0.18	0.09	0.06	724	10	0.05	31.8	16.20	0.45	8.76	1.4	<1	0.35	2.0
I074819		5.72	0.03	0.04	0.16	113	40	0.10	2.90	20.2	0.03	5.07	1.0	2	0.86	1.5
I074820		5.56	0.12	0.11	0.08	550	20	0.05	59.0	15.30	0.04	5.03	0.9	<1	0.38	3.7
I074821		2.38	0.09	0.19	0.13	774	20	0.05	80.3	12.45	0.23	8.91	1.3	<1	0.46	3.0
I074822		2.46	0.03	0.10	0.05	439	20	<0.05	19.75	18.80	0.56	8.13	1.1	1	0.37	2.1
I074823		5.60	0.01	0.23	0.14	134	10	0.12	2.44	19.65	1.08	9.75	2.1	1	0.40	8.7
I074824		0.28	8.96	24.1	5.61	6.8	30	1.43	1.10	1.52	0.03	6.14	8.7	38	64.9	18.4

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 29-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10079580

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I074789		21.7	3.84	0.36	0.2	0.032	0.40	2.2	3.4	6.17	1040	0.16	0.02	1.8	2.5	160
I074790		14.25	0.80	0.27	<0.1	0.053	0.04	2.3	1.7	7.26	1480	0.08	0.01	0.4	<0.2	40
I074791		22.0	1.30	0.40	0.1	0.057	0.08	1.8	1.8	5.87	1320	0.11	0.01	0.8	0.5	90
I074792		18.50	4.15	0.31	0.4	0.056	0.28	3.9	3.4	5.29	1200	0.19	0.50	1.9	4.4	210
I074793		28.7	1.76	0.46	0.2	0.049	0.18	2.0	1.9	4.98	950	0.09	0.01	3.9	1.2	120
I074794		18.95	0.72	0.32	0.1	0.063	0.03	2.9	1.4	6.58	2010	0.07	0.01	0.7	<0.2	90
I074795		15.05	1.88	0.28	0.1	0.046	0.09	2.0	1.8	7.50	1560	0.06	0.02	1.3	<0.2	80
I074796		12.80	0.79	0.20	<0.1	0.058	0.03	2.3	1.4	8.74	1970	0.06	0.01	0.4	<0.2	40
I074797		2.11	17.35	0.12	1.5	0.022	3.02	10.9	8.2	0.65	299	10.60	1.31	2.5	8.4	470
I074798		11.00	0.76	0.20	<0.1	0.104	0.03	2.8	1.5	8.55	2780	0.05	0.01	0.3	<0.2	70
I074799		12.25	0.76	0.24	<0.1	0.635	0.03	2.4	1.4	8.48	4210	0.06	0.01	0.4	<0.2	70
I074800		0.47	0.33	0.14	<0.1	0.006	0.03	0.7	1.1	12.70	205	0.08	0.01	0.4	<0.2	240
I074801		15.10	0.98	0.25	0.1	0.890	0.04	2.3	1.7	7.70	5000	0.05	0.01	0.4	<0.2	80
I074802		9.58	1.89	0.15	0.2	0.180	0.11	2.6	1.8	9.19	3210	0.07	0.01	1.1	<0.2	100
I074803		8.95	4.17	0.18	0.6	0.444	0.46	6.9	3.3	8.69	3960	0.07	0.02	6.4	4.9	190
I074804		9.27	1.24	0.18	0.1	0.066	0.07	2.9	1.8	8.67	2520	0.05	0.01	0.6	<0.2	110
I074805		9.93	1.12	0.23	0.1	0.056	0.06	8.1	2.3	8.77	2690	0.10	0.01	0.4	<0.2	120
I074806		12.10	1.49	0.31	0.1	0.053	0.09	23.3	2.4	8.57	2760	0.06	0.01	1.0	0.9	140
I074807		11.00	2.03	0.20	0.2	0.062	0.18	20.1	3.7	8.30	2620	0.05	0.01	1.5	1.8	160
I074808		20.6	1.68	0.40	0.1	0.051	0.08	105.5	1.5	5.95	1770	0.07	0.01	1.1	1.2	150
I074809		0.46	0.32	0.16	<0.1	<0.005	0.02	0.7	0.9	12.25	194	0.05	0.01	0.2	<0.2	200
I074810		7.18	14.65	0.18	1.3	0.058	1.73	36.0	12.6	7.51	2090	0.15	0.03	18.8	1.8	260
I074811		2.94	36.1	0.21	1.6	0.069	4.59	64.6	71.0	0.90	99	0.44	0.08	78.0	14.1	620
I074812		10.10	4.61	0.21	0.5	0.065	0.52	6.4	4.2	8.25	1980	0.13	0.02	4.7	1.7	480
I074813		10.20	1.67	0.19	0.2	0.079	0.16	5.5	2.7	8.84	2670	0.06	0.01	1.5	<0.2	120
I074814		10.10	1.18	0.21	0.2	0.090	0.09	3.6	2.5	9.15	2780	0.06	0.01	1.2	<0.2	130
I074815		10.65	1.65	0.19	0.2	0.099	0.16	6.2	3.4	8.85	2850	0.06	0.01	1.6	<0.2	150
I074816		9.21	0.67	0.10	<0.1	0.106	0.05	7.4	2.0	9.15	2380	0.09	0.01	0.3	<0.2	110
I074817		3.17	0.27	<0.05	<0.1	0.046	0.02	3.2	1.8	11.75	878	0.30	0.01	0.2	0.3	80
I074818		9.68	0.57	0.13	0.1	0.246	0.03	3.5	1.9	8.73	3180	0.16	0.01	0.3	1.3	130
I074819		2.26	0.71	<0.05	0.1	0.025	0.11	3.6	3.5	12.00	760	0.08	0.01	0.7	<0.2	130
I074820		9.79	0.56	0.13	<0.1	0.060	0.04	2.4	1.8	8.96	1410	0.08	0.01	0.3	<0.2	100
I074821		15.65	0.96	0.23	0.1	0.120	0.03	3.5	1.8	8.06	2870	0.22	0.01	0.4	1.5	180
I074822		6.90	0.46	0.08	<0.1	0.088	0.02	3.6	2.1	9.73	2830	0.34	0.01	0.2	<0.2	150
I074823		2.87	0.41	<0.05	0.1	0.032	0.03	5.2	2.0	11.90	711	0.26	0.01	0.3	2.4	160
I074824		2.24	15.35	<0.05	1.0	0.021	3.71	2.6	19.6	0.68	312	15.40	1.24	1.8	14.2	640

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 29-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10079580

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I074789		3.9	80.5	0.003	>10.0	2.48	1.1	8	0.7	57.5	0.08	0.35	0.3	0.028	0.43	0.3
I074790		3.1	9.3	<0.002	>10.0	1.66	1.0	5	0.5	82.0	<0.05	0.17	<0.2	<0.005	0.07	0.1
I074791		5.5	16.1	<0.002	>10.0	2.50	1.2	6	1.6	66.5	<0.05	0.39	<0.2	0.010	0.10	0.1
I074792		5.2	18.7	<0.002	>10.0	2.20	3.7	5	1.8	138.0	0.09	0.28	0.5	0.086	0.13	0.3
I074793		5.3	38.7	<0.002	>10.0	3.57	0.9	7	3.1	52.4	0.20	0.82	0.3	0.041	0.18	0.4
I074794		6.6	5.1	0.005	>10.0	3.22	0.8	5	0.8	84.4	<0.05	0.17	<0.2	0.007	0.07	0.5
I074795		4.6	17.1	0.002	>10.0	3.41	1.0	4	3.8	77.7	0.06	0.34	<0.2	0.016	0.10	0.2
I074796		3.3	5.4	0.006	>10.0	1.44	0.9	3	1.1	93.0	<0.05	0.12	<0.2	<0.005	0.07	0.1
I074797		13.0	650	<0.002	0.04	0.71	7.8	2	1.1	66.4	0.20	<0.05	1.1	0.256	6.39	0.6
I074798		4.8	5.0	<0.002	>10.0	1.46	0.9	2	0.9	103.5	<0.05	0.10	<0.2	<0.005	0.05	0.1
I074799		11.2	3.6	0.002	>10.0	3.16	0.4	2	6.8	97.3	<0.05	0.13	<0.2	<0.005	0.04	0.1
I074800		1.4	1.6	<0.002	0.05	<0.05	0.4	2	<0.2	57.9	<0.05	<0.05	<0.2	<0.005	<0.02	0.4
I074801		19.7	5.6	0.004	>10.0	5.42	0.7	3	3.7	92.6	<0.05	0.19	<0.2	0.005	0.06	0.1
I074802		6.9	15.7	0.003	9.72	1.35	0.7	2	1.8	109.5	0.06	0.08	0.3	0.011	0.10	0.3
I074803		5.1	50.2	0.002	8.70	2.28	1.2	2	2.7	113.0	0.40	0.09	1.6	0.041	0.24	0.7
I074804		3.7	12.5	0.005	9.73	1.41	0.5	2	0.6	113.0	<0.05	0.10	0.2	0.008	0.10	0.2
I074805		5.2	10.6	0.006	>10.0	6.06	1.2	4	3.8	120.5	<0.05	0.33	0.2	0.008	0.09	2.3
I074806		5.7	8.4	0.004	>10.0	8.71	1.1	5	3.6	114.5	0.05	0.39	0.5	0.009	0.09	0.5
I074807		3.6	16.8	0.002	>10.0	3.09	0.7	3	0.7	118.5	0.07	0.14	0.5	0.016	0.15	0.7
I074808		4.3	12.9	0.002	>10.0	5.38	0.5	6	0.5	77.8	<0.05	0.30	0.6	0.013	0.12	1.8
I074809		1.3	1.2	<0.002	0.06	0.05	0.4	2	<0.2	50.7	<0.05	<0.05	<0.2	<0.005	<0.02	1.1
I074810		2.8	130.5	<0.002	7.27	1.45	1.6	2	3.0	88.3	0.89	0.06	3.1	0.116	0.70	2.0
I074811		1.0	152.0	<0.002	3.02	0.60	5.7	2	7.4	12.8	3.67	0.05	11.1	0.469	0.88	1.3
I074812		3.1	61.8	0.005	>10.0	2.26	1.2	3	3.1	97.7	0.24	0.16	0.6	0.056	0.44	0.8
I074813		5.1	22.7	<0.002	>10.0	2.42	0.8	3	1.1	119.0	0.07	0.10	0.2	0.015	0.15	0.3
I074814		4.3	9.8	0.002	9.72	3.01	0.6	3	0.7	127.0	0.05	0.17	0.2	0.011	0.08	0.3
I074815		4.1	18.7	0.003	>10.0	3.01	0.6	4	0.9	119.5	0.09	0.09	0.4	0.017	0.14	0.4
I074816		16.2	5.1	<0.002	8.88	7.36	0.6	3	0.5	94.4	<0.05	0.06	<0.2	0.005	0.08	0.1
I074817		38.3	1.7	<0.002	1.07	2.02	0.4	3	0.3	39.9	<0.05	<0.05	<0.2	<0.005	0.03	0.2
I074818		4.2	2.7	0.005	7.23	1.70	0.5	3	0.6	95.2	<0.05	<0.05	<0.2	<0.005	0.09	0.3
I074819		1.6	7.0	0.002	2.00	0.58	0.6	2	0.2	46.5	<0.05	<0.05	0.2	0.014	0.07	0.1
I074820		2.2	2.7	0.002	9.96	2.28	0.5	6	0.3	58.7	<0.05	<0.05	<0.2	<0.005	0.05	0.1
I074821		7.3	2.5	<0.002	>10.0	2.97	0.6	9	0.4	85.0	<0.05	0.07	<0.2	0.008	0.06	0.4
I074822		5.7	1.8	<0.002	3.48	1.86	0.9	4	0.4	92.8	<0.05	<0.05	<0.2	<0.005	0.05	0.2
I074823		55.3	3.8	<0.002	1.78	3.81	0.6	3	1.0	43.5	<0.05	<0.05	<0.2	0.006	0.10	0.2
I074824		5.6	1580	<0.002	0.02	0.77	8.0	1	1.0	60.2	0.21	<0.05	0.6	0.256	13.65	0.2

***** See Appendix Page for comments regarding this certificate *****

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 29-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10079580

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
I074789		13	107.0	6.6	10	10.4
I074790		7	52.3	8.1	12	1.7
I074791		8	39.7	7.4	12	2.9
I074792		32	22.5	9.5	20	12.1
I074793		9	5.4	6.8	14	9.9
I074794		7	257	7.3	14	2.5
I074795		10	76.2	10.3	11	4.7
I074796		6	284	9.7	13	1.6
I074797		54	0.6	12.2	24	57.2
I074798		5	66.3	9.1	12	1.5
I074799		4	49.1	6.1	21	1.6
I074800		2	0.2	1.0	15	<0.5
I074801		5	204	7.3	16	3.3
I074802		5	209	7.7	15	7.0
I074803		9	71.7	8.7	19	25.2
I074804		4	217	6.6	13	3.2
I074805		6	337	8.6	12	4.3
I074806		5	167.0	6.7	15	4.9
I074807		7	103.5	6.9	14	8.7
I074808		7	85.8	5.8	7	6.2
I074809		1	0.3	1.0	12	<0.5
I074810		18	27.4	8.3	15	54.8
I074811		64	15.7	16.7	13	70.3
I074812		20	252	11.2	27	23.9
I074813		9	18.5	9.7	17	7.3
I074814		6	57.4	8.4	16	6.3
I074815		10	148.5	10.0	16	8.5
I074816		9	25.6	7.3	92	1.5
I074817		5	1.0	4.1	141	1.3
I074818		8	178.5	7.8	54	1.7
I074819		6	125.0	3.4	6	3.3
I074820		10	44.5	4.5	12	1.3
I074821		14	19.4	9.5	34	2.4
I074822		11	7.8	8.5	82	1.1
I074823		8	2.0	5.2	457	1.8
I074824		54	0.4	8.5	28	32.0

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VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 29-JUN-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10079580

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 3-JUL-2010
Account: RCM

CERTIFICATE VA10079582

Project: RAU

P.O. No.: BATCH 8

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 17-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

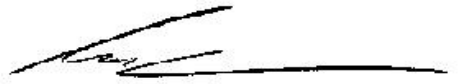
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LOG-23	Pulp Login - Rcvd with Barcode
CRU-31	Fine crushing - 70% <2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 
Colin Ramshaw, Vancouver Laboratory Manager

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Project: RAU

Finalized Date: 3-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10079582

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA26 Au ppm 0.01	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
I074753		2.64	0.01	0.05	0.18	436	30	0.29	0.35	16.90	7.92	5.72	6.7	3	0.17	25.9
I074754		3.86	0.01	0.03	0.10	161	20	0.18	0.56	17.45	3.11	4.93	3.4	7	0.23	7.3
I074755		4.02	<0.01	<0.01	0.07	5	10	0.07	0.02	20.9	0.08	1.30	1.2	1	0.16	1.9
I074756		1.42	0.01	0.02	0.10	18	10	0.09	0.13	17.65	1.26	9.51	1.5	4	0.35	1.6
I074757		2.02	0.01	0.01	0.07	13	10	0.12	0.16	20.1	0.36	4.99	1.2	2	0.37	1.4
I074758		5.00	0.01	0.02	0.12	44	10	0.17	0.77	19.70	0.67	2.78	1.9	4	0.59	1.8
I074759		0.28	1.82	0.19	0.25	>10000	20	0.14	266	12.65	0.21	14.65	2.5	8	1.02	25.7
I074760		2.54	0.26	0.04	0.18	340	20	0.15	10.80	18.40	1.42	2.94	2.6	2	0.98	5.5
I074761		5.02	0.01	0.03	0.18	34	40	0.19	11.85	16.25	0.37	2.54	1.6	13	1.32	2.2
I074762		5.48	0.02	0.04	0.14	39	40	0.18	12.25	18.90	0.20	2.79	3.2	7	1.03	3.6
I074763		5.00	0.01	0.04	0.07	39	40	0.16	6.95	19.85	0.22	4.13	1.2	2	0.58	1.7
I074764		5.56	0.02	0.24	0.49	25	230	0.30	49.4	18.35	0.42	6.52	2.7	21	3.53	2.2
I074765		2.28	0.01	0.06	0.26	11	90	0.18	3.18	18.65	0.03	3.81	1.0	8	2.15	1.0
I074766		4.96	0.19	0.50	1.71	57	580	0.82	32.5	17.50	0.19	7.78	4.4	52	4.00	8.8
I074767		5.76	0.17	0.88	1.23	146	410	0.67	312	16.35	0.21	12.05	2.9	19	4.20	7.8
I074768		5.86	0.10	0.68	2.41	242	350	1.33	338	13.65	0.04	15.60	5.7	26	4.48	7.2
I074769		5.68	0.07	0.32	2.25	179	460	1.24	167.5	15.20	0.04	15.30	6.0	21	4.63	5.8
I074770		4.52	0.48	1.94	1.89	105	300	1.10	123.0	16.20	1.95	12.10	5.1	18	2.01	9.2
I074771		5.64	1.08	7.77	2.67	75	220	1.48	131.5	14.25	4.09	36.3	15.4	63	6.62	31.8
I074772		3.52	0.01	3.64	6.83	64.9	790	3.88	27.2	7.68	14.15	101.5	23.5	323	8.10	54.1
I074773		5.08	0.11	<0.01	10.40	10.7	1900	5.02	0.42	2.63	0.03	138.5	18.1	241	25.3	10.0
I074774		5.88	0.03	0.62	9.34	48.8	1730	4.58	1.24	2.67	10.20	122.5	10.6	95	10.35	35.8
I074775		4.14	<0.01	<0.01	0.10	<5	20	0.08	0.07	20.9	0.08	1.77	1.3	<1	0.14	1.8
I074776		2.94	0.01	<0.01	10.10	11.3	2700	4.76	0.62	1.56	0.05	183.0	52.4	86	25.4	1.7
I074777		4.94	<0.01	<0.01	9.53	12.7	2310	4.03	0.71	2.43	0.04	141.0	15.5	60	18.85	8.8
I074778		2.20	<0.01	<0.01	9.36	10.3	2270	4.51	0.61	2.29	0.08	138.5	16.9	63	20.1	7.7
I074779		5.82	0.04	<0.01	9.73	11.5	2470	4.19	0.20	3.05	0.02	137.0	32.6	112	30.0	6.8
I074780		5.88	0.06	<0.01	8.36	5360	290	4.40	1.49	2.76	0.02	95.4	19.4	123	11.40	7.1
I074781		5.74	0.05	<0.01	8.41	1935	390	4.40	1.94	2.62	<0.02	115.0	11.7	80	11.95	6.5
I074782		2.70	0.01	<0.01	8.14	64.2	240	3.89	3.46	1.54	<0.02	146.5	12.4	67	6.55	4.1
I074783		3.04	0.01	0.70	9.17	42.2	350	2.26	37.8	0.70	<0.02	128.5	14.5	69	11.85	15.5
I074784		0.28	1.60	0.28	0.27	>10000	30	0.10	262	12.65	0.19	13.10	2.6	9	1.02	23.6
I074785		6.06	0.07	0.52	0.70	248	40	0.22	247	7.94	0.02	8.86	8.5	8	5.94	37.9
I074786		7.54	1.40	0.22	0.41	2130	20	0.12	487	4.73	0.02	3.50	0.9	1	4.69	4.9
I074787		7.46	0.61	0.30	0.05	1810	<10	<0.05	693	4.69	0.04	3.82	2.4	15	0.38	12.4
I074788		8.14	0.24	0.73	0.24	1095	20	0.09	385	1.62	0.04	2.68	2.8	7	2.28	31.0

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Project: RAU

Finalized Date: 3-JUL-2010
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CERTIFICATE OF ANALYSIS VA10079582

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I074753		4.41	0.40	0.08	<0.1	0.019	0.01	3.4	6.9	11.65	875	0.18	0.01	0.2	18.7	20
I074754		2.65	0.49	0.07	<0.1	0.016	0.01	2.7	6.8	11.10	528	0.30	0.02	0.1	10.8	10
I074755		0.44	0.33	0.05	<0.1	<0.005	0.03	0.6	2.6	12.55	198	0.07	0.01	0.3	<0.2	240
I074756		1.00	0.66	0.08	0.1	0.008	0.01	4.8	2.4	11.75	519	0.36	0.01	0.2	4.8	10
I074757		0.37	0.49	0.08	<0.1	0.006	0.02	3.2	7.7	11.90	496	1.71	0.02	0.2	<0.2	10
I074758		0.96	0.78	0.06	<0.1	0.006	0.05	1.5	6.9	12.10	359	0.33	0.02	0.3	<0.2	10
I074759		15.25	1.96	0.22	0.2	0.075	0.10	6.9	4.5	7.24	3230	4.36	0.01	1.6	8.0	210
I074760		2.79	0.84	<0.05	0.1	0.008	0.07	1.6	3.3	11.30	357	0.33	0.02	0.4	3.6	10
I074761		0.57	0.84	<0.05	0.1	0.006	0.11	1.5	9.6	9.32	377	0.87	0.01	0.4	3.1	10
I074762		0.84	0.82	0.06	0.1	0.007	0.08	1.7	8.9	11.10	377	3.29	0.02	0.3	5.0	10
I074763		1.08	0.46	0.06	<0.1	0.010	0.04	2.5	9.3	11.75	565	1.65	0.02	0.2	<0.2	20
I074764		1.13	2.12	0.07	0.3	0.012	0.33	3.5	9.4	10.65	461	0.56	0.01	2.5	3.2	50
I074765		0.64	1.31	<0.05	0.1	0.013	0.21	2.1	7.4	11.05	431	0.36	0.01	1.3	<0.2	20
I074766		4.79	7.58	0.11	0.6	0.288	0.80	3.6	21.2	8.76	2600	0.65	0.03	5.5	15.2	60
I074767		5.64	6.74	0.11	0.5	0.180	0.71	4.7	11.4	8.48	4810	0.36	0.01	3.7	6.3	110
I074768		7.16	13.45	0.14	1.1	0.107	1.27	6.0	21.3	7.40	5060	0.68	0.02	7.9	13.1	250
I074769		5.92	14.00	0.12	1.2	0.068	1.23	6.6	20.7	8.10	4940	0.81	0.02	8.5	15.3	310
I074770		6.69	11.50	0.12	1.0	2.57	0.85	5.3	11.8	7.02	12050	0.62	0.03	7.2	10.4	320
I074771		7.04	14.10	0.13	1.1	0.512	1.29	17.7	17.3	6.69	7040	0.48	0.03	12.9	26.2	1200
I074772		5.24	28.9	0.16	1.2	1.345	3.35	53.9	32.2	3.07	4610	3.75	0.08	31.2	105.5	1900
I074773		6.96	31.9	0.24	0.4	0.114	5.94	77.6	63.1	1.28	943	7.19	0.10	78.2	129.5	3060
I074774		5.88	29.4	0.22	0.5	0.653	5.17	67.1	39.0	1.30	2820	0.22	0.09	70.4	73.9	3940
I074775		0.43	0.54	0.07	<0.1	0.006	0.04	0.9	2.2	12.40	200	0.06	0.01	0.5	<0.2	210
I074776		6.89	34.6	0.23	1.0	0.097	6.12	101.5	60.9	1.03	514	5.14	0.11	123.5	53.0	2580
I074777		5.75	30.6	0.20	0.8	0.136	5.50	73.3	44.9	1.60	766	0.89	0.12	96.1	37.6	3220
I074778		5.46	33.1	0.24	0.7	0.141	5.54	73.8	48.4	1.57	742	1.08	0.12	103.0	40.1	3260
I074779		4.84	31.0	0.24	0.6	0.088	5.59	72.8	88.3	1.68	526	1.72	0.10	87.0	68.0	4230
I074780		5.38	39.1	0.22	1.2	0.091	4.87	46.2	117.0	1.23	253	0.39	0.09	49.2	45.6	4540
I074781		5.10	38.5	0.20	1.2	0.074	5.10	57.5	108.0	1.22	244	0.47	0.10	80.3	37.5	2100
I074782		6.25	34.7	0.24	1.1	0.067	4.62	72.6	137.0	0.92	77	0.70	0.08	80.5	26.9	3180
I074783		10.95	31.5	0.31	2.3	0.050	5.41	62.4	55.4	2.08	61	0.89	0.10	80.9	21.9	1390
I074784		15.00	1.70	0.28	0.2	0.119	0.11	6.4	2.0	7.07	3200	4.44	0.01	1.7	7.2	200
I074785		24.7	3.92	0.17	0.5	0.026	0.47	4.0	12.7	5.74	739	0.17	0.02	6.6	5.8	240
I074786		29.2	2.38	0.24	0.3	0.007	0.31	1.7	7.6	2.39	328	0.09	0.01	2.5	2.1	110
I074787		27.9	0.85	0.32	0.1	0.018	0.02	1.9	4.4	3.12	465	0.15	0.01	0.5	<0.2	80
I074788		16.25	2.09	0.61	0.2	0.037	0.24	1.2	1.4	1.62	261	0.14	0.01	2.1	3.4	70

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 3-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10079582

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I074753		16.9	1.8	<0.002	0.03	1.74	0.9	1	0.3	33.1	<0.05	<0.05	<0.2	<0.005	0.13	1.0
I074754		4.4	1.8	<0.002	0.05	0.99	0.6	1	0.4	45.8	<0.05	<0.05	<0.2	<0.005	0.10	0.5
I074755		1.5	1.4	<0.002	0.01	0.05	0.2	1	<0.2	48.6	<0.05	<0.05	0.2	<0.005	<0.02	0.7
I074756		3.5	1.7	0.002	0.09	0.20	0.6	1	0.3	57.8	<0.05	<0.05	<0.2	<0.005	0.21	0.8
I074757		2.2	4.3	<0.002	0.03	0.26	0.3	1	0.2	45.2	<0.05	<0.05	<0.2	<0.005	0.07	0.3
I074758		2.0	8.3	<0.002	0.33	1.19	0.3	1	0.2	32.8	<0.05	<0.05	0.2	0.006	0.06	0.4
I074759		7.9	14.9	0.002	>10.0	10.60	0.7	2	2.1	93.4	0.07	0.27	0.5	0.022	0.21	0.6
I074760		1.4	14.0	<0.002	2.11	0.39	0.6	3	0.3	27.8	<0.05	<0.05	0.3	0.011	0.08	0.4
I074761		2.0	15.4	0.003	0.20	0.76	0.6	1	0.4	39.4	<0.05	<0.05	0.2	0.010	0.13	0.7
I074762		2.0	13.6	0.010	0.60	0.91	0.4	1	0.2	44.2	<0.05	<0.05	0.2	0.006	0.14	0.7
I074763		2.1	6.5	0.004	0.98	0.30	0.4	1	0.2	57.9	<0.05	<0.05	<0.2	<0.005	0.06	0.3
I074764		22.4	61.7	<0.002	1.27	2.25	2.2	1	0.6	50.5	0.13	0.23	0.5	0.065	0.40	0.5
I074765		1.9	37.8	<0.002	0.61	0.31	0.8	1	0.2	42.8	0.07	0.06	0.2	0.030	0.22	0.2
I074766		7.4	72.3	<0.002	3.90	1.98	6.0	1	5.5	96.4	0.33	0.12	1.0	0.165	0.51	0.8
I074767		8.7	51.3	<0.002	4.95	7.36	3.7	2	3.5	98.5	0.22	0.19	1.2	0.084	0.48	0.8
I074768		6.5	77.4	<0.002	7.09	6.43	4.8	3	8.8	89.8	0.48	0.33	3.0	0.151	0.69	1.9
I074769		6.0	72.9	0.002	5.22	4.49	5.0	2	5.6	106.0	0.50	0.23	2.8	0.151	0.73	2.5
I074770		98.6	72.3	0.003	2.59	3.85	3.6	1	11.3	86.6	0.46	0.11	2.1	0.123	0.56	1.8
I074771		204	140.0	0.002	4.40	5.01	7.9	1	15.2	83.5	0.69	0.23	2.5	0.242	0.92	1.7
I074772		339	240	<0.002	1.39	11.30	26.7	1	51.8	51.1	1.84	0.07	6.2	0.717	1.31	1.9
I074773		3.9	205	0.002	0.43	0.52	28.2	2	12.8	77.2	4.23	<0.05	8.1	1.340	2.04	0.6
I074774		322	246	<0.002	1.27	8.40	15.8	2	54.3	72.3	3.81	0.05	10.1	0.725	1.66	0.6
I074775		2.1	2.2	<0.002	0.01	0.05	0.4	1	0.3	49.7	<0.05	<0.05	<0.2	0.005	<0.02	0.7
I074776		3.2	267	0.002	1.58	0.57	13.5	2	12.7	93.7	7.11	0.06	16.7	0.925	2.28	0.7
I074777		2.6	240	0.002	1.33	0.54	13.2	1	15.1	79.2	5.51	0.06	12.1	0.902	1.87	0.9
I074778		3.1	257	0.002	1.19	0.60	14.0	2	16.8	82.1	5.75	0.06	13.0	0.856	2.06	0.9
I074779		1.7	225	<0.002	0.60	0.28	17.9	2	6.3	86.2	5.21	<0.05	10.1	1.080	1.93	0.5
I074780		1.4	137.0	<0.002	4.72	1.13	19.8	1	9.1	59.2	2.57	0.10	7.0	0.639	1.23	1.1
I074781		1.4	161.0	<0.002	4.49	0.67	15.7	2	10.7	44.1	4.65	0.06	9.8	0.669	1.27	0.9
I074782		1.8	166.0	<0.002	7.07	0.43	13.4	1	8.4	31.7	4.70	<0.05	10.5	0.747	0.96	0.7
I074783		3.0	249	<0.002	7.68	1.17	7.3	3	12.9	20.6	4.42	0.23	13.4	0.502	1.31	1.6
I074784		7.6	13.5	0.002	>10.0	9.74	0.8	2	2.0	85.3	0.08	0.24	0.5	0.024	0.21	0.4
I074785		3.3	75.5	<0.002	>10.0	2.06	1.0	6	2.2	30.2	0.32	0.49	1.0	0.056	0.43	0.8
I074786		4.4	49.7	<0.002	>10.0	6.04	0.5	6	0.5	18.7	0.11	0.50	0.7	0.025	0.34	0.5
I074787		5.6	4.2	<0.002	>10.0	10.75	1.3	5	2.8	22.4	<0.05	0.44	<0.2	<0.005	<0.02	<0.1
I074788		5.0	37.3	<0.002	>10.0	4.93	0.5	11	1.3	17.2	0.10	0.84	0.3	0.028	0.19	0.3

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 3-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10079582

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	As-OG62
	Analyte	V	W	Y	Zn	Zr	As
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
I074753		8	0.6	5.0	1490	0.5	
I074754		10	1.0	3.6	715	0.6	
I074755		3	0.1	1.0	21	<0.5	
I074756		12	0.5	5.2	233	1.6	
I074757		10	1.2	3.7	41	0.7	
I074758		6	0.5	1.6	106	1.5	
I074759		9	53.2	7.4	63	6.3	2.83
I074760		4	0.8	1.5	162	2.6	
I074761		18	0.7	2.8	42	2.1	
I074762		13	1.7	1.7	45	1.7	
I074763		10	2.2	2.8	18	0.9	
I074764		12	1.4	5.0	127	10.0	
I074765		8	0.6	2.3	9	4.4	
I074766		27	21.1	6.5	62	23.6	
I074767		19	3.0	16.4	59	21.0	
I074768		29	77.5	20.6	19	43.2	
I074769		29	135.5	17.9	27	48.4	
I074770		24	313	13.8	526	39.0	
I074771		57	171.5	24.6	979	47.3	
I074772		235	15.3	28.9	3230	48.8	
I074773		231	5.9	26.2	43	14.5	
I074774		117	7.5	23.4	2400	21.8	
I074775		3	0.1	1.0	19	0.6	
I074776		122	3.5	26.3	36	44.3	
I074777		111	5.5	22.0	38	31.4	
I074778		111	5.3	22.7	43	30.7	
I074779		134	4.2	28.5	31	24.8	
I074780		176	8.4	19.4	13	49.7	
I074781		135	9.9	18.8	11	46.7	
I074782		96	10.3	40.4	8	49.0	
I074783		91	8.8	18.5	13	101.0	
I074784		7	55.2	6.3	64	6.9	2.84
I074785		14	42.3	5.1	11	14.4	
I074786		6	9.3	2.8	7	9.6	
I074787		3	13.5	3.4	8	1.4	
I074788		<1	16.2	2.5	24	9.3	

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 3-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10079582

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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To: **ATAC RESOURCES LTD.**
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Finalized Date: 8-JUL-2010
Account: RCM

CERTIFICATE VA10082195

Project: RAU

P.O. No.: RTI

This report is for 196 Soil samples submitted to our lab in Vancouver, BC, Canada on 21-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-31	Pulverize split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
PUL-QC	Pulverizing QC Test
SCR-43	Screen to -500um, discard plus
SCR-01	Screen - Save plus fraction

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Project: RAU

CERTIFICATE OF ANALYSIS VA10082195

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC77435		0.24	<0.001	<0.2	2.45	4	<10	180	<0.5	<2	3.63	<0.5	22	100	37	4.24
CC77436		0.18	<0.001	<0.2	1.82	7	<10	120	<0.5	<2	9.9	<0.5	20	82	36	3.61
CC77437		0.22	<0.001	0.2	0.72	13	<10	140	0.5	<2	6.64	0.7	14	14	24	2.97
CC77438		0.18	<0.001	0.3	0.29	9	<10	440	<0.5	<2	14.1	1.1	6	7	13	1.53
CC77439		0.22	0.002	0.4	0.37	5	<10	120	<0.5	<2	13.1	1.8	5	7	12	1.44
CC77440		0.14	<0.001	0.3	0.82	8	<10	140	0.7	<2	6.51	1.6	9	15	21	2.29
CC77441		0.14	<0.001	0.4	1.40	20	<10	160	0.7	<2	0.69	1.1	10	23	15	3.08
CC77442		0.24	<0.001	0.3	1.28	19	<10	190	0.7	2	2.25	1.6	10	20	23	2.89
CC77443		0.22	<0.001	0.3	1.44	22	<10	190	0.5	3	1.48	4.4	9	22	17	2.80
CC77444		0.20	<0.001	0.4	1.44	27	<10	180	0.6	2	0.74	1.6	9	25	15	3.10
CC77445		0.18	<0.001	0.3	1.25	26	<10	250	0.5	2	1.36	1.9	9	21	16	2.83
CC77446		0.26	<0.001	0.4	1.22	23	<10	190	0.6	<2	2.00	0.9	8	22	19	2.88
CC77447		0.26	<0.001	0.3	1.15	20	<10	230	0.5	<2	2.92	1.1	9	20	21	2.75
CC77448		0.22	<0.001	0.3	1.70	42	<10	270	0.7	5	0.65	1.1	11	29	17	3.53
CC77449		0.16	0.001	0.4	1.53	35	<10	230	0.7	3	0.78	1.4	10	28	22	3.24
CC77450		0.10	<0.001	0.5	1.28	27	<10	210	0.6	3	1.39	0.7	8	23	17	2.99
CC77451		0.16	<0.001	0.2	1.73	48	<10	310	0.7	2	1.13	0.8	9	28	14	3.48
CC77452		0.16	0.001	0.4	1.16	62	<10	170	<0.5	2	4.26	1.0	11	31	22	3.19
CC77453		0.24	0.001	0.3	1.50	95	<10	240	0.8	<2	1.52	3.3	11	29	19	4.83
CC77454		0.22	0.002	0.2	1.15	19	<10	210	<0.5	2	1.95	0.8	8	24	24	2.63
CC77455		0.20	0.002	0.3	1.16	30	<10	220	<0.5	<2	4.60	1.0	9	25	22	2.46
CC77456		0.16	0.005	0.4	1.59	59	<10	250	0.7	4	1.26	0.8	11	30	25	3.25
CC77457		0.20	0.007	0.4	1.33	48	<10	210	0.7	3	0.72	0.9	11	28	23	3.19
CC77458		0.18	0.004	0.3	1.15	20	<10	180	0.5	2	2.06	0.9	8	22	23	2.66
CC77459		0.20	0.008	0.4	1.13	29	<10	240	0.5	3	1.46	1.1	9	23	26	2.77
CC77460		0.34	0.014	<0.2	0.59	34	<10	160	<0.5	<2	10.1	0.7	5	10	17	1.73
CC77461		0.24	0.011	0.4	0.42	35	<10	90	<0.5	<2	15.1	1.2	4	11	13	1.24
CC77462		0.22	0.018	0.5	0.60	66	<10	380	<0.5	2	11.8	2.2	4	13	19	2.03
CC77463		0.22	0.006	0.4	1.07	27	<10	320	0.5	3	5.54	1.3	8	22	20	2.58
CC77464		0.22	0.007	<0.2	0.21	24	<10	60	<0.5	<2	16.5	0.6	3	7	8	0.75
CC77465		0.16	0.004	0.7	0.61	25	<10	670	<0.5	2	10.9	4.2	5	12	14	2.23
CC77466		0.14	0.012	0.3	0.94	21	<10	510	0.5	<2	5.01	1.7	9	19	23	2.30
CC77467		0.16	0.002	0.2	1.60	17	<10	230	0.6	<2	1.05	1.2	12	32	16	3.14
CC77468		0.14	0.005	0.3	1.27	21	<10	180	0.6	<2	2.36	1.2	16	31	23	3.61
CC77469		0.10	0.003	0.4	0.65	10	<10	450	<0.5	<2	2.44	0.9	12	18	29	2.85
CC77470		0.14	0.003	0.4	1.09	18	<10	250	0.6	<2	2.28	1.1	13	27	22	3.43
CC77471		0.10	0.003	0.4	0.55	24	<10	170	<0.5	<2	5.18	1.7	12	17	23	4.29
CC77472		0.12	0.003	1.1	0.53	29	<10	390	0.5	<2	2.53	2.9	12	19	20	3.99
CC77473		0.14	0.004	0.7	1.12	19	<10	350	<0.5	<2	5.10	2.6	14	45	23	3.77
CC77474		0.18	0.002	0.3	2.31	14	<10	340	0.5	<2	1.57	2.0	23	109	39	4.73

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
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Project: RAU

CERTIFICATE OF ANALYSIS VA10082195

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC77435		<10	<1	0.08	10	2.42	568	<1	0.01	77	470	17	0.03	2	4	54
CC77436		<10	<1	0.42	10	1.67	635	1	0.01	74	760	10	0.02	<2	4	97
CC77437		<10	1	0.06	20	3.40	613	1	0.02	40	680	66	0.05	<2	2	43
CC77438		<10	<1	0.05	10	8.68	1005	1	0.02	23	510	39	0.06	2	1	85
CC77439		<10	<1	0.04	10	8.14	1570	1	0.02	19	680	64	0.09	4	1	87
CC77440		<10	<1	0.04	10	3.35	1320	<1	0.03	20	1220	29	0.14	<2	1	50
CC77441		<10	<1	0.06	20	0.54	766	1	0.01	22	520	38	0.06	<2	2	14
CC77442		<10	1	0.08	10	1.11	1810	1	0.02	27	1110	56	0.15	<2	1	23
CC77443		<10	<1	0.06	10	0.80	1170	1	0.02	21	840	41	0.07	2	2	15
CC77444		<10	<1	0.07	10	0.52	569	1	0.01	26	730	38	0.04	<2	2	17
CC77445		<10	<1	0.06	10	0.68	949	1	0.01	22	1090	46	0.07	<2	2	18
CC77446		<10	1	0.07	20	1.32	769	1	0.02	28	720	42	0.04	<2	2	21
CC77447		<10	<1	0.07	10	1.87	1030	1	0.02	26	980	35	0.04	2	2	29
CC77448		<10	<1	0.07	10	0.59	1215	<1	0.02	24	760	115	0.04	<2	3	16
CC77449		<10	<1	0.08	20	0.57	781	<1	0.02	28	1080	80	0.07	<2	3	17
CC77450		<10	<1	0.07	10	0.71	736	1	0.02	24	820	38	0.06	<2	2	23
CC77451		<10	<1	0.06	10	0.54	1085	1	0.02	22	920	53	0.08	2	2	19
CC77452		<10	<1	0.11	10	2.65	925	1	0.02	35	880	58	0.08	<2	2	39
CC77453		<10	<1	0.06	20	0.83	1895	1	0.02	29	1050	66	0.08	<2	2	19
CC77454		<10	<1	0.07	10	1.28	482	<1	0.02	27	850	32	0.04	<2	3	28
CC77455		<10	<1	0.07	10	3.07	730	<1	0.02	28	780	44	0.04	3	3	32
CC77456		<10	<1	0.08	20	0.75	736	1	0.02	31	1050	70	0.08	<2	3	21
CC77457		<10	1	0.07	20	0.49	1010	1	0.02	30	1170	76	0.06	<2	3	18
CC77458		<10	1	0.08	10	1.11	671	1	0.02	28	890	40	0.08	<2	2	24
CC77459		<10	<1	0.09	10	0.76	607	1	0.02	30	1100	50	0.08	<2	2	24
CC77460		<10	<1	0.05	10	6.43	601	1	0.02	18	920	28	0.04	3	1	53
CC77461		<10	<1	0.03	10	9.58	971	1	0.02	12	530	71	0.04	2	1	58
CC77462		<10	1	0.05	10	7.59	1430	1	0.02	17	710	252	0.04	2	1	47
CC77463		<10	<1	0.08	10	3.67	756	1	0.02	25	880	73	0.03	<2	3	39
CC77464		<10	<1	0.02	10	10.30	342	1	0.02	10	310	20	<0.01	<2	1	74
CC77465		<10	<1	0.04	10	6.80	3410	2	0.03	20	960	263	0.10	<2	1	50
CC77466		<10	<1	0.06	10	2.30	1055	1	0.02	32	1620	74	0.15	<2	1	31
CC77467		<10	<1	0.05	10	0.65	1045	1	0.02	28	1000	69	0.08	<2	2	15
CC77468		10	<1	0.06	10	1.04	1210	<1	0.02	37	1510	74	0.11	<2	2	23
CC77469		<10	<1	0.07	10	0.51	587	<1	0.02	38	1280	52	0.16	<2	2	28
CC77470		<10	<1	0.07	20	0.89	963	<1	0.02	29	1700	63	0.13	<2	2	23
CC77471		<10	<1	0.08	20	2.61	953	<1	0.02	36	1640	130	0.12	<2	2	33
CC77472		<10	<1	0.09	20	0.85	1540	<1	0.02	36	1290	220	0.15	<2	2	25
CC77473		<10	<1	0.08	20	3.20	1535	<1	0.03	51	880	169	0.09	4	3	33
CC77474		10	<1	0.09	10	2.22	1300	<1	0.02	90	790	126	0.08	<2	6	26

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1016-510 W HASTINGS ST
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Project: RAU

CERTIFICATE OF ANALYSIS VA10082195

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC77435		<20	0.06	<10	<10	54	<10	117
CC77436		<20	0.10	<10	<10	46	<10	74
CC77437		<20	0.02	<10	<10	19	<10	180
CC77438		<20	0.01	<10	<10	9	<10	237
CC77439		<20	0.01	<10	<10	12	<10	392
CC77440		<20	0.01	<10	<10	22	<10	313
CC77441		<20	0.02	<10	<10	42	<10	160
CC77442		<20	0.01	<10	<10	34	<10	226
CC77443		<20	0.02	<10	<10	45	<10	418
CC77444		<20	0.02	<10	<10	44	<10	235
CC77445		<20	0.01	<10	<10	42	<10	255
CC77446		<20	0.02	<10	<10	40	<10	209
CC77447		<20	0.02	<10	<10	37	<10	178
CC77448		<20	0.02	<10	<10	56	<10	298
CC77449		<20	0.02	<10	<10	51	<10	291
CC77450		<20	0.02	<10	<10	41	<10	149
CC77451		<20	0.02	<10	<10	56	<10	207
CC77452		<20	0.02	<10	<10	38	<10	272
CC77453		<20	0.02	<10	<10	56	<10	1040
CC77454		<20	0.03	<10	<10	39	<10	170
CC77455		<20	0.03	<10	<10	39	<10	225
CC77456		<20	0.02	<10	<10	57	<10	276
CC77457		<20	0.02	<10	<10	60	<10	253
CC77458		<20	0.02	<10	<10	35	<10	212
CC77459		<20	0.02	<10	<10	35	<10	244
CC77460		<20	0.01	<10	<10	24	<10	146
CC77461		<20	0.01	<10	<10	31	<10	388
CC77462		<20	0.01	<10	<10	41	10	626
CC77463		<20	0.02	<10	<10	44	<10	326
CC77464		<20	0.01	<10	10	16	<10	144
CC77465		<20	0.01	<10	<10	36	<10	699
CC77466		<20	0.01	<10	<10	31	<10	380
CC77467		<20	0.02	<10	<10	51	<10	351
CC77468		<20	0.02	<10	<10	45	<10	410
CC77469		<20	0.01	<10	<10	20	<10	299
CC77470		<20	0.02	<10	<10	39	<10	344
CC77471		<20	0.01	<10	<10	25	<10	502
CC77472		<20	0.01	<10	<10	28	<10	871
CC77473		<20	0.02	<10	<10	36	<10	923
CC77474		<20	0.06	<10	<10	62	<10	535

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 8-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10082195

Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
Sample Description LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC77475	0.10	0.001	<0.2	2.25	10	<10	310	<0.5	<2	2.56	1.0	21	108	37	4.02
CC77476	0.16	0.002	<0.2	1.92	7	<10	270	<0.5	<2	2.01	0.8	17	85	31	3.70
CC77477	0.12	0.002	<0.2	1.76	13	<10	240	<0.5	<2	2.58	0.5	16	66	28	3.79
CC77478	0.18	0.001	0.4	2.50	6	<10	90	<0.5	<2	3.39	<0.5	19	109	39	4.08
CC77479	0.22	0.001	<0.2	2.27	7	<10	160	<0.5	<2	7.7	<0.5	21	109	46	3.86
CC77480	0.24	<0.001	<0.2	1.82	4	<10	60	<0.5	<2	12.2	<0.5	17	87	38	3.33
CC77481	0.20	0.002	<0.2	0.55	7	<10	40	<0.5	<2	14.2	<0.5	9	17	17	1.96
CC77482	0.18	0.004	0.5	0.54	10	<10	110	0.5	<2	12.4	1.0	8	12	14	1.65
CC77483	0.18	0.008	0.3	0.27	5	<10	70	<0.5	2	17.1	1.0	7	8	9	1.63
CC77484	0.20	0.002	0.4	0.28	11	<10	80	<0.5	<2	15.1	1.2	8	8	13	1.70
CC77485	0.16	0.002	0.7	0.35	10	<10	100	<0.5	<2	13.9	1.5	8	9	13	1.78
CC77486	0.20	0.002	0.2	0.46	11	<10	60	0.5	<2	12.5	0.6	8	12	29	1.89
CC77487	0.16	0.005	1.0	0.56	20	<10	240	<0.5	<2	13.6	1.8	5	8	13	1.66
CC77488	0.16	0.003	0.5	0.46	9	<10	200	<0.5	<2	13.7	2.1	6	7	12	1.57
CC77489	0.38	0.002	<0.2	2.58	5	<10	40	<0.5	<2	14.5	<0.5	19	114	41	3.49
CC77490	0.16	0.001	<0.2	0.55	<2	<10	60	<0.5	<2	16.4	<0.5	8	10	13	1.81
CC77491	0.18	0.002	0.3	0.94	11	<10	130	0.6	<2	8.8	1.5	8	16	16	2.03
CC77492	0.24	0.002	0.3	0.55	14	<10	60	0.5	<2	10.9	0.8	9	12	20	1.83
CC77493	0.22	0.002	0.2	0.24	10	<10	80	<0.5	<2	14.4	0.7	5	6	9	1.34
CC77494	0.16	0.003	0.2	1.09	14	<10	130	0.8	<2	3.51	0.8	9	18	18	2.63
CC77495	0.16	0.005	0.5	0.52	17	<10	170	0.5	<2	13.4	1.6	8	9	14	1.79
CC77496	0.10	0.002	0.3	0.65	10	<10	150	<0.5	<2	10.9	1.3	6	9	13	1.43
CC77497	0.10	0.009	1.2	0.45	14	<10	150	<0.5	<2	14.1	1.7	4	8	12	1.33
CC77498	0.22	0.003	0.3	1.28	18	<10	210	0.6	<2	2.02	1.1	9	23	19	2.79
CC77499	0.20	0.004	0.3	0.81	17	<10	130	<0.5	<2	9.3	1.0	6	17	14	1.90
CC77500	0.22	0.010	0.3	0.65	13	<10	80	<0.5	<2	13.3	1.0	6	15	13	1.29
CC77501	0.16	0.020	0.5	0.46	44	<10	110	<0.5	<2	10.9	1.4	8	13	17	1.71
CC77502	0.18	0.007	0.5	0.58	22	<10	310	<0.5	<2	9.2	1.9	11	13	24	2.55
CC77506	0.20	0.004	0.4	1.12	26	<10	150	0.5	3	3.99	1.1	8	21	13	2.81
CC77507	0.26	0.002	<0.2	0.06	2	<10	10	<0.5	<2	18.1	<0.5	<1	1	<1	0.08
CC77508	0.22	0.002	0.2	2.05	14	<10	170	0.7	<2	0.92	0.5	8	28	13	3.19
CC77509	0.20	0.007	0.4	1.37	37	<10	180	0.6	3	1.42	0.9	11	24	20	2.96
CC77510	0.20	0.011	0.4	1.25	36	<10	170	0.6	3	4.04	1.3	10	19	19	2.69
CC77511	0.28	0.006	0.3	0.93	25	<10	130	<0.5	2	3.96	1.5	7	16	16	2.04
CC77512	0.16	0.007	0.5	1.48	32	<10	210	0.6	2	1.76	1.2	11	25	25	2.96
CC77513	0.18	0.003	0.3	1.43	18	<10	230	0.6	<2	1.24	0.9	10	24	17	2.76
CC77514	0.28	0.007	0.2	0.71	26	<10	110	<0.5	2	7.9	0.9	5	14	14	1.75
CC77515	0.20	0.014	0.6	1.13	29	<10	190	0.5	3	4.14	1.5	10	20	22	2.90
CC77516	0.22	0.004	0.3	0.60	26	<10	80	<0.5	<2	12.6	0.8	6	15	16	1.64
CC77517	0.28	0.004	0.2	0.26	19	<10	40	<0.5	<2	15.2	<0.5	3	8	9	0.96

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	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC77475		<10	<1	0.09	10	2.40	948	<1	0.02	88	760	44	0.08	<2	5	27
CC77476		<10	<1	0.09	10	1.57	635	<1	0.02	72	690	25	0.11	<2	4	20
CC77477		<10	<1	0.10	10	1.97	534	<1	0.02	57	630	32	0.07	<2	4	20
CC77478		10	<1	0.08	10	3.26	442	<1	0.02	72	830	14	0.05	<2	4	37
CC77479		10	<1	0.08	10	2.97	414	<1	0.02	78	780	12	0.03	<2	5	85
CC77480		<10	<1	0.07	10	3.13	298	<1	0.01	69	590	7	0.02	<2	4	153
CC77481		<10	<1	0.09	10	3.81	375	<1	0.02	25	450	14	0.04	<2	2	175
CC77482		<10	<1	0.05	10	7.34	760	<1	0.02	20	510	32	0.04	<2	1	73
CC77483		<10	1	0.08	10	10.05	1495	<1	0.02	20	280	46	0.03	3	1	92
CC77484		<10	<1	0.05	10	8.42	1680	1	0.02	25	300	58	0.03	2	1	108
CC77485		<10	<1	0.06	10	8.28	2260	1	0.02	25	480	55	0.06	<2	1	113
CC77486		<10	<1	0.05	10	7.49	767	1	0.02	24	590	25	0.07	<2	2	96
CC77487		<10	<1	0.05	10	8.05	4020	<1	0.03	14	600	51	0.06	<2	1	92
CC77488		<10	<1	0.06	10	8.10	3140	2	0.03	14	640	66	0.06	<2	1	87
CC77489		10	<1	0.09	10	3.82	378	<1	0.01	74	690	6	0.02	<2	4	214
CC77490		<10	1	0.14	10	3.28	298	<1	0.02	21	250	15	0.02	<2	2	155
CC77491		<10	<1	0.05	10	5.18	1450	<1	0.02	19	730	106	0.09	<2	1	46
CC77492		<10	<1	0.06	10	6.51	543	1	0.02	24	560	92	0.05	5	2	89
CC77493		<10	<1	0.04	10	8.71	800	<1	0.03	15	370	27	0.06	2	1	75
CC77494		<10	<1	0.08	10	1.71	1100	2	0.03	23	1120	32	0.14	<2	1	38
CC77495		<10	<1	0.06	10	8.05	2660	2	0.02	22	530	70	0.04	<2	1	84
CC77496		<10	<1	0.07	10	6.26	1840	1	0.03	15	870	39	0.09	<2	1	76
CC77497		<10	<1	0.06	10	8.43	1920	<1	0.03	12	550	113	0.06	<2	1	61
CC77498		<10	<1	0.07	10	1.17	966	1	0.02	28	970	43	0.08	<2	2	20
CC77499		<10	<1	0.08	10	5.58	1000	<1	0.02	18	720	33	0.06	<2	1	36
CC77500		<10	<1	0.04	10	8.04	757	<1	0.03	12	740	31	0.06	3	1	38
CC77501		<10	<1	0.04	10	6.47	765	3	0.02	26	740	34	0.07	2	1	48
CC77502		<10	<1	0.08	10	5.29	745	2	0.03	36	1660	130	0.09	2	2	56
CC77506		<10	<1	0.07	10	2.43	610	2	0.02	25	920	59	0.03	<2	2	27
CC77507		<10	<1	0.01	10	11.70	98	1	0.02	4	330	<2	<0.01	<2	<1	30
CC77508		10	<1	0.05	10	0.61	563	1	0.02	18	1460	28	0.08	<2	2	15
CC77509		<10	1	0.06	20	0.99	840	1	0.02	28	1010	93	0.02	<2	3	18
CC77510		<10	<1	0.07	20	2.37	770	1	0.02	24	1240	69	0.05	<2	2	26
CC77511		<10	<1	0.07	10	2.10	769	1	0.02	20	1000	77	0.07	2	2	21
CC77512		<10	<1	0.05	20	1.16	724	1	0.02	29	940	76	0.03	<2	2	17
CC77513		<10	<1	0.04	10	0.84	631	2	0.02	23	770	27	0.03	<2	2	15
CC77514		<10	<1	0.06	10	4.71	531	1	0.02	19	870	79	0.03	2	2	33
CC77515		<10	<1	0.07	20	2.24	880	2	0.02	30	1280	97	0.07	2	2	28
CC77516		<10	<1	0.05	10	7.55	854	3	0.02	20	1100	50	0.04	<2	1	52
CC77517		<10	1	0.04	10	9.12	590	3	0.02	14	590	23	0.03	<2	1	64

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 8-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10082195

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC77475		<20	0.05	<10	<10	56	<10	210
CC77476		<20	0.07	<10	<10	47	<10	145
CC77477		<20	0.04	<10	<10	40	<10	147
CC77478		<20	0.09	<10	<10	58	<10	101
CC77479		<20	0.11	<10	<10	55	<10	84
CC77480		<20	0.07	<10	<10	41	<10	64
CC77481		<20	0.01	<10	<10	8	<10	72
CC77482		<20	0.01	<10	<10	13	<10	243
CC77483		<20	0.01	<10	<10	6	<10	242
CC77484		<20	0.01	<10	<10	6	<10	260
CC77485		<20	0.01	<10	<10	7	<10	317
CC77486		<20	0.01	<10	<10	11	<10	180
CC77487		<20	0.01	<10	<10	15	<10	326
CC77488		<20	0.01	<10	<10	10	<10	473
CC77489		<20	0.17	<10	<10	60	<10	68
CC77490		<20	0.01	<10	<10	5	<10	69
CC77491		<20	0.02	<10	<10	25	<10	310
CC77492		<20	0.01	<10	<10	14	<10	257
CC77493		<20	0.01	<10	<10	5	<10	185
CC77494		<20	0.01	<10	<10	29	<10	227
CC77495		<20	0.01	<10	10	14	<10	426
CC77496		<20	0.01	<10	<10	13	<10	347
CC77497		<20	0.01	<10	<10	10	<10	337
CC77498		<20	0.01	<10	<10	37	<10	219
CC77499		<20	0.01	<10	<10	31	<10	169
CC77500		<20	0.01	<10	10	44	<10	178
CC77501		<20	0.01	<10	<10	30	<10	307
CC77502		<20	0.01	<10	<10	26	<10	392
CC77506		<20	0.02	<10	<10	36	<10	288
CC77507		<20	<0.01	<10	<10	2	<10	16
CC77508		<20	0.03	<10	<10	59	<10	160
CC77509		<20	0.03	<10	<10	49	<10	265
CC77510		<20	0.02	<10	<10	40	<10	285
CC77511		<20	0.02	<10	<10	34	<10	279
CC77512		<20	0.02	<10	<10	50	<10	264
CC77513		<20	0.02	<10	<10	48	<10	113
CC77514		<20	0.02	<10	<10	31	<10	262
CC77515		<20	0.02	<10	<10	38	<10	330
CC77516		<20	0.01	<10	<10	47	<10	146
CC77517		<20	0.01	<10	<10	22	<10	74

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1016-510 W HASTINGS ST
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Project: RAU

CERTIFICATE OF ANALYSIS VA10082195

Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
Sample Description LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC77518	0.24	0.004	<0.2	0.33	34	<10	60	<0.5	2	14.7	0.6	4	10	8	1.04
CC77519	0.14	0.058	0.7	0.38	72	<10	510	<0.5	44	3.50	2.3	12	11	28	3.03
CC77520	0.18	0.021	1.3	0.42	59	<10	1060	<0.5	5	10.9	4.0	10	10	21	3.23
CC77521	0.18	0.006	1.4	0.81	36	<10	1370	<0.5	2	5.43	4.6	18	17	38	3.42
CC77522	0.10	NSS	0.3	0.85	14	<10	310	0.5	<2	4.29	0.9	16	20	22	2.98
CC77523	0.18	0.005	0.5	0.60	17	<10	280	<0.5	2	5.37	1.3	18	15	37	3.79
CC77524	0.14	0.003	1.1	1.08	22	<10	510	0.5	2	1.87	1.8	17	22	24	4.19
CC77525	0.22	0.012	1.7	1.00	46	<10	600	0.8	2	5.66	6.5	10	22	27	4.41
CC77526	0.18	0.006	3.3	0.66	55	<10	830	0.6	3	10.7	39.3	5	12	22	5.62
CC77527	0.12	0.001	0.6	1.84	16	<10	670	0.6	2	3.31	1.9	21	45	36	3.35
CC77528	0.22	0.002	0.4	1.29	24	<10	180	0.6	<2	4.60	0.9	10	19	20	3.31
CC77529	0.32	0.002	0.2	1.80	20	<10	220	0.7	<2	0.69	<0.5	10	30	23	3.35
CC77530	0.20	0.001	0.2	4.30	<2	<10	240	<0.5	<2	1.63	<0.5	38	229	53	6.22
CC77531	0.30	0.002	<0.2	1.76	5	<10	200	<0.5	<2	9.9	<0.5	20	96	55	3.84
CC77532	0.16	0.002	<0.2	1.00	9	<10	150	0.5	2	2.41	0.8	13	17	20	2.79
CC77533	0.18	0.011	0.6	0.69	13	<10	200	0.6	<2	14.4	1.2	8	11	14	1.74
CC77551	0.20	0.009	0.2	0.52	27	<10	90	<0.5	3	13.4	0.8	4	10	11	1.51
CC77552	0.14	0.017	0.2	0.70	20	<10	90	<0.5	5	11.8	0.8	5	12	11	1.68
CC77553	0.16	0.007	0.3	1.66	23	<10	150	0.6	9	1.84	0.8	10	26	14	3.29
CC77554	0.14	0.013	0.2	0.66	29	<10	120	<0.5	3	10.7	1.1	6	13	14	1.83
CC77555	0.22	0.048	0.3	0.49	20	<10	80	<0.5	3	12.7	1.4	4	10	9	1.37
CC77556	0.16	0.006	0.3	1.04	28	<10	140	0.5	3	4.12	1.1	7	17	18	2.13
CC77557	0.10	0.002	0.2	0.93	18	<10	110	<0.5	<2	8.1	0.9	6	16	12	1.78
CC77558	0.20	0.004	0.2	0.82	25	<10	110	<0.5	2	6.31	0.8	6	16	19	1.99
CC77559	0.06	0.001	0.2	1.15	19	<10	210	0.5	<2	2.15	1.1	8	21	20	2.68
CC77560	0.16	0.010	0.2	0.19	39	<10	40	<0.5	<2	17.1	0.8	3	5	7	0.78
CC77561	0.08	0.007	0.3	0.57	36	<10	240	<0.5	2	6.72	2.3	12	13	29	3.18
CC77562	0.14	0.015	1.2	0.70	54	<10	320	<0.5	<2	4.40	9.3	16	14	29	3.88
CC77563	0.14	NSS	0.4	0.30	36	<10	1700	<0.5	<2	8.0	2.9	5	9	15	1.64
CC77564	0.10	0.014	0.5	0.64	22	<10	390	<0.5	<2	2.24	1.8	8	15	21	2.64
CC77565	0.12	0.018	1.1	0.80	27	<10	490	0.5	3	2.10	3.0	12	22	28	3.52
CC77566	0.10	0.005	0.4	0.53	18	<10	1210	<0.5	6	11.7	1.3	8	12	16	2.43
CC77567	0.16	0.004	0.3	0.81	19	<10	440	<0.5	5	10.5	1.2	12	15	22	3.49
CC77568	0.22	0.006	1.7	0.73	24	<10	1540	<0.5	3	9.5	4.4	13	14	28	4.36
CC77569	0.10	0.005	<0.2	0.71	15	<10	250	<0.5	<2	12.8	0.6	18	12	17	4.62
CC77570	0.24	0.008	0.5	1.20	25	<10	270	0.7	2	3.72	1.7	10	24	22	4.01
CC77571	0.14	0.004	0.7	1.47	23	<10	440	0.5	2	5.83	2.4	13	46	25	3.63
CC77572	0.10	0.005	1.0	0.82	27	<10	340	<0.5	2	11.0	4.9	7	23	17	2.66
CC77573	0.08	<0.001	0.2	0.76	15	<10	210	<0.5	<2	4.01	1.0	10	14	26	2.05
CC77574	0.20	0.002	0.4	1.63	23	<10	230	0.8	2	1.42	0.8	11	28	20	3.69

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1016-510 W HASTINGS ST
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Project: RAU

CERTIFICATE OF ANALYSIS VA10082195

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC77518		<10	1	0.03	10	8.79	588	4	0.03	21	560	31	0.03	<2	1	62
CC77519		<10	1	0.08	10	0.93	638	2	0.03	29	1780	238	0.18	6	1	29
CC77520		<10	1	0.19	10	6.32	1095	2	0.03	31	1560	366	0.24	6	2	102
CC77521		<10	<1	0.10	20	3.10	1060	2	0.03	51	2060	497	0.10	7	2	54
CC77522		<10	<1	0.10	20	1.56	877	2	0.02	47	2750	63	0.16	<2	1	38
CC77523		<10	<1	0.12	20	3.00	666	2	0.02	50	1630	109	0.08	3	3	49
CC77524		<10	<1	0.17	20	0.84	1140	2	0.02	43	1270	226	0.09	3	3	35
CC77525		<10	<1	0.09	20	3.41	3360	5	0.03	47	1070	285	0.11	5	2	44
CC77526		<10	1	0.06	20	5.95	15300	4	0.04	51	810	1300	0.10	11	1	82
CC77527		<10	1	0.27	10	1.04	2300	1	0.06	67	1520	84	0.18	2	3	36
CC77528		<10	<1	0.16	20	0.67	639	1	0.02	33	710	49	0.04	<2	2	67
CC77529		<10	1	0.08	20	0.64	596	2	0.02	31	710	28	0.01	2	3	18
CC77530		10	<1	0.23	10	4.20	583	1	0.02	184	580	3	0.05	2	12	21
CC77531		<10	1	0.58	10	1.63	467	1	0.02	100	670	9	<0.01	<2	6	77
CC77532		<10	1	0.10	10	0.59	657	2	0.02	34	1060	15	0.16	<2	1	29
CC77533		<10	<1	0.08	20	8.29	1350	4	0.01	26	840	56	0.04	2	1	119
CC77551		<10	<1	0.06	10	8.27	447	1	0.03	16	730	59	<0.01	<2	1	45
CC77552		<10	<1	0.05	10	6.95	515	1	0.03	18	780	43	0.03	<2	1	38
CC77553		<10	<1	0.08	20	1.09	750	2	0.03	26	1130	76	0.07	<2	2	17
CC77554		<10	<1	0.07	10	6.48	520	1	0.03	20	830	49	0.02	<2	1	44
CC77555		<10	1	0.03	10	7.87	451	1	0.02	16	620	79	<0.01	3	1	41
CC77556		<10	1	0.08	10	2.33	689	2	0.03	19	1080	78	0.10	<2	1	23
CC77557		<10	1	0.05	10	4.62	756	1	0.03	15	1290	24	0.09	<2	1	34
CC77558		<10	<1	0.05	10	3.95	652	1	0.02	22	930	47	0.07	2	1	28
CC77559		<10	<1	0.08	10	0.63	898	1	0.03	22	1410	53	0.17	<2	1	25
CC77560		<10	<1	0.02	10	10.75	472	1	0.02	11	270	70	<0.01	2	1	63
CC77561		<10	<1	0.08	10	3.49	640	1	0.03	36	2120	100	0.14	3	1	45
CC77562		<10	<1	0.09	10	2.21	1130	<1	0.02	36	1970	277	0.13	8	1	50
CC77563		<10	1	0.05	10	3.92	776	<1	0.03	18	1340	194	0.22	3	1	75
CC77564		<10	<1	0.10	10	0.61	457	<1	0.03	27	1060	153	0.19	<2	1	28
CC77565		<10	<1	0.12	20	0.65	1945	<1	0.02	39	1790	187	0.14	2	2	28
CC77566		<10	<1	0.12	20	6.97	825	<1	0.03	24	820	121	0.09	3	2	94
CC77567		<10	<1	0.17	20	3.39	780	<1	0.02	34	980	75	0.06	<2	3	263
CC77568		<10	1	0.15	20	3.10	2490	<1	0.03	41	1020	444	0.09	3	3	229
CC77569		<10	<1	0.28	20	0.77	846	<1	0.02	46	750	41	0.15	<2	4	466
CC77570		<10	<1	0.12	20	2.13	1340	1	0.02	31	890	89	0.09	3	2	34
CC77571		<10	<1	0.14	20	4.10	1715	1	0.03	49	860	183	0.09	<2	3	41
CC77572		<10	1	0.10	10	6.93	2470	1	0.03	33	690	244	0.08	3	2	66
CC77573		<10	<1	0.12	10	0.67	1045	<1	0.03	35	1010	40	0.17	2	1	35
CC77574		<10	<1	0.11	20	0.97	1390	1	0.02	32	700	47	0.05	3	4	26

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Project: RAU

Finalized Date: 8-JUL-2010
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CERTIFICATE OF ANALYSIS VA10082195

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC77518		<20	0.01	<10	<10	20	<10	126
CC77519		<20	0.01	<10	10	18	<10	759
CC77520		<20	0.01	<10	<10	21	<10	1120
CC77521		<20	0.01	<10	<10	30	<10	1225
CC77522		<20	0.01	<10	10	34	<10	230
CC77523		<20	0.01	<10	<10	25	<10	486
CC77524		<20	0.02	<10	<10	32	<10	575
CC77525		<20	0.01	<10	<10	49	<10	1400
CC77526		<20	0.01	<10	<10	75	<10	5070
CC77527		<20	0.02	<10	<10	36	<10	574
CC77528		<20	0.01	<10	<10	29	<10	200
CC77529		<20	0.02	<10	<10	48	<10	111
CC77530		<20	0.24	<10	<10	108	<10	108
CC77531		<20	0.14	<10	<10	43	<10	80
CC77532		<20	0.01	<10	<10	25	<10	96
CC77533		<20	0.01	<10	<10	20	<10	322
CC77551		<20	0.02	<10	<10	23	<10	228
CC77552		<20	0.02	<10	<10	28	<10	172
CC77553		<20	0.02	<10	<10	53	<10	207
CC77554		<20	0.02	<10	<10	30	<10	223
CC77555		<20	0.02	<10	<10	24	<10	285
CC77556		<20	0.02	<10	<10	35	<10	259
CC77557		<20	0.01	<10	<10	39	<10	165
CC77558		<20	0.01	<10	<10	39	<10	178
CC77559		<20	0.02	<10	<10	43	<10	217
CC77560		<20	0.01	<10	10	16	<10	228
CC77561		<20	0.01	<10	<10	24	<10	537
CC77562		<20	0.01	<10	<10	26	<10	1600
CC77563		<20	0.01	<10	<10	13	<10	492
CC77564		<20	0.01	<10	<10	22	<10	477
CC77565		<20	0.01	<10	<10	33	<10	512
CC77566		<20	0.01	<10	<10	21	<10	333
CC77567		<20	0.01	<10	<10	24	<10	311
CC77568		<20	0.02	<10	<10	22	<10	1180
CC77569		<20	0.01	<10	<10	15	<10	239
CC77570		<20	0.02	<10	<10	40	<10	410
CC77571		<20	0.03	<10	<10	47	<10	734
CC77572		<20	0.02	<10	<10	44	<10	1180
CC77573		<20	0.01	<10	<10	17	<10	303
CC77574		<20	0.02	<10	<10	42	<10	172

***** See Appendix Page for comments regarding this certificate *****

ALS Chemex
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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10082195

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC77575		0.24	0.004	0.3	1.69	16	<10	220	0.7	2	1.78	0.5	10	26	25	3.52
CC77576		0.14	0.001	<0.2	2.15	2	<10	210	<0.5	2	0.78	0.5	42	92	69	5.02
CC77577		0.26	0.003	<0.2	0.67	9	<10	90	<0.5	<2	11.8	0.5	7	15	16	1.70
CC77578		0.10	0.001	<0.2	4.92	4	<10	330	<0.5	3	1.41	<0.5	41	243	68	7.40
CC77579		0.18	0.001	<0.2	0.71	13	<10	90	0.5	<2	12.4	0.5	7	11	19	1.97
CC77580		0.12	0.003	<0.2	0.82	12	<10	110	0.5	<2	9.0	0.5	9	13	17	2.15
CC77581		0.18	0.011	0.2	0.44	12	<10	140	<0.5	3	14.8	0.8	5	7	13	1.61
CC77582		0.14	0.002	<0.2	0.45	8	<10	120	<0.5	3	14.6	1.2	5	7	13	1.30
CC77583		0.08	0.004	0.3	0.61	9	<10	130	<0.5	<2	12.7	0.9	5	9	16	1.50
CC77584		0.12	0.003	7.0	0.83	18	<10	1370	<0.5	<2	11.0	2.8	6	12	27	1.77
CC77585		0.14	0.003	0.8	0.76	12	<10	180	<0.5	<2	9.6	1.9	5	10	17	1.37
CC77592		0.32	0.010	0.3	1.07	43	<10	130	<0.5	5	5.85	0.6	8	18	16	2.42
CC77593		0.18	0.001	0.2	1.09	25	<10	150	0.5	3	3.08	0.9	7	17	17	2.27
CC77594		0.22	0.002	0.2	1.32	22	<10	190	0.5	2	4.15	1.4	8	20	17	2.41
CC77595		0.28	0.013	0.4	0.74	56	<10	130	<0.5	5	8.9	1.5	6	14	17	2.04
CC77596		0.30	0.015	0.4	1.23	24	<10	150	0.5	<2	4.16	1.0	9	22	15	2.78
CC77597		0.30	0.008	0.4	1.37	31	<10	200	0.6	3	1.97	1.3	10	24	20	3.22
CC77598		0.26	0.005	0.2	1.01	30	<10	150	0.5	2	4.43	1.3	10	22	20	3.09
CC77599		0.32	0.015	0.2	0.39	62	<10	140	<0.5	4	11.6	0.7	4	10	12	1.65
CC77600		0.34	0.012	0.5	0.46	49	<10	240	<0.5	4	13.4	1.1	4	11	14	1.41
CC77601		0.34	0.009	0.3	0.60	37	<10	90	<0.5	3	12.7	0.6	5	14	13	1.55
CC77602		0.22	0.013	0.2	0.22	19	<10	80	<0.5	2	16.6	0.7	4	6	8	0.71
CC77603		0.24	0.007	<0.2	0.19	56	<10	90	<0.5	2	16.6	<0.5	7	6	12	1.40
CC77604		0.22	0.004	0.3	0.62	10	<10	250	<0.5	<2	2.14	0.5	21	19	41	3.79
CC77605		0.34	0.004	0.3	0.51	25	<10	130	<0.5	4	6.16	0.5	9	14	20	2.95
CC77606		0.32	0.002	0.2	0.47	14	<10	290	<0.5	2	17.6	1.0	10	8	12	2.89
CC77607		0.38	0.007	1.0	0.23	26	<10	340	<0.5	3	16.2	3.7	3	5	5	1.89
CC77608		0.34	0.004	1.1	0.86	21	<10	880	<0.5	<2	9.7	3.7	13	29	23	3.22
CC77609		0.32	0.001	0.6	0.45	10	<10	180	<0.5	<2	17.6	0.6	13	13	15	2.93
CC77610		0.38	0.003	0.5	1.46	19	<10	240	0.7	<2	0.99	1.1	11	25	23	3.58
CC77611		0.44	0.002	0.4	0.89	14	<10	160	<0.5	<2	1.18	<0.5	8	17	31	3.12
CC77612		0.40	0.005	0.4	1.34	16	<10	170	0.6	2	2.25	0.5	9	25	19	3.06
CC77613		0.38	0.001	<0.2	0.87	8	<10	220	<0.5	<2	4.61	<0.5	40	26	58	4.21
CC77614		0.44	0.002	<0.2	0.52	4	<10	70	<0.5	3	18.3	<0.5	6	7	11	1.44
CC77615		0.46	0.001	<0.2	0.76	12	<10	70	0.6	<2	11.2	<0.5	9	11	17	2.12
CC77616		0.38	0.001	<0.2	0.44	6	<10	80	<0.5	2	12.6	0.6	7	8	14	1.79
CC77617		0.36	0.002	<0.2	0.55	9	<10	110	<0.5	3	13.2	0.6	6	8	11	1.44
CC77618		0.38	0.010	0.3	0.76	22	<10	100	0.6	2	10.7	0.7	9	13	18	2.32
CC77619		0.36	0.010	0.2	0.67	13	<10	100	<0.5	<2	11.7	0.9	7	11	15	1.55
CC77620		0.52	0.005	0.3	0.73	17	<10	120	0.5	<2	10.4	0.6	8	12	16	1.89

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 8-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10082195

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC77575		<10	<1	0.12	20	1.24	509	1	0.02	37	810	30	0.04	4	3	29
CC77576		10	<1	0.17	10	1.60	619	<1	0.02	134	1020	12	0.06	<2	5	24
CC77577		<10	<1	0.13	10	7.40	360	<1	0.02	24	750	14	0.08	<2	1	90
CC77578		10	<1	1.24	10	5.00	823	<1	0.01	189	810	4	0.01	2	13	31
CC77579		<10	<1	0.09	10	6.58	516	3	0.03	22	1070	14	0.10	<2	1	80
CC77580		<10	<1	0.12	10	4.56	534	1	0.03	23	980	10	0.12	<2	1	52
CC77581		<10	<1	0.10	10	9.23	2310	1	0.02	17	440	30	0.05	2	1	123
CC77582		<10	<1	0.09	10	9.15	913	2	0.03	15	640	51	0.07	2	1	110
CC77583		<10	<1	0.15	10	7.95	799	2	0.03	16	680	43	0.08	3	1	96
CC77584		<10	<1	0.08	10	6.77	1800	3	0.03	22	820	445	0.10	8	1	70
CC77585		<10	1	0.07	10	5.45	1205	2	0.03	16	960	102	0.15	3	1	42
CC77592		<10	<1	0.06	10	3.93	534	<1	0.02	23	900	74	0.03	<2	2	28
CC77593		<10	<1	0.07	10	1.59	755	1	0.02	18	1070	45	0.12	2	1	17
CC77594		<10	<1	0.06	10	2.25	801	<1	0.02	20	1250	47	0.12	<2	1	23
CC77595		<10	1	0.07	10	5.57	837	1	0.02	17	850	95	0.07	3	1	35
CC77596		<10	<1	0.06	20	2.71	640	1	0.02	22	730	51	0.05	<2	2	24
CC77597		<10	<1	0.07	20	1.01	1055	<1	0.02	26	1100	79	0.10	<2	2	21
CC77598		<10	<1	0.08	20	2.33	918	1	0.02	27	1130	75	0.09	3	2	37
CC77599		<10	<1	0.04	10	7.24	639	1	0.02	14	1210	80	0.07	2	1	47
CC77600		<10	1	0.06	10	8.13	804	2	0.03	18	790	148	0.05	2	1	54
CC77601		<10	<1	0.03	10	7.71	586	2	0.03	20	960	64	0.03	3	1	49
CC77602		<10	1	0.03	10	10.05	509	2	0.03	19	700	82	<0.01	2	1	68
CC77603		<10	<1	0.05	10	10.05	366	13	0.03	34	640	34	<0.01	3	1	77
CC77604		<10	<1	0.21	20	0.77	355	2	0.02	51	1480	21	0.11	2	3	39
CC77605		<10	<1	0.09	20	3.71	382	2	0.02	30	1680	44	0.04	<2	2	48
CC77606		<10	1	0.14	20	1.29	780	1	0.02	31	890	73	<0.01	<2	3	667
CC77607		<10	1	0.04	10	9.56	4710	2	0.03	31	270	316	0.01	3	1	83
CC77608		<10	<1	0.09	10	5.94	2340	3	0.04	56	790	267	0.05	3	3	64
CC77609		<10	1	0.12	10	1.95	1285	2	0.02	52	520	46	<0.01	3	3	186
CC77610		<10	<1	0.08	20	0.68	1410	2	0.02	33	580	59	0.02	<2	4	18
CC77611		<10	<1	0.13	10	0.74	362	2	0.01	35	530	21	<0.01	<2	2	20
CC77612		<10	<1	0.08	20	1.40	539	2	0.02	31	740	25	0.02	<2	3	28
CC77613		<10	<1	0.26	20	0.51	781	1	0.02	148	970	10	0.04	<2	3	68
CC77614		<10	<1	0.09	10	3.36	272	1	0.02	18	400	10	<0.01	<2	2	196
CC77615		<10	1	0.11	20	6.75	339	2	0.02	32	700	13	0.04	<2	2	92
CC77616		<10	<1	0.06	10	6.64	512	2	0.02	24	910	25	0.07	<2	1	71
CC77617		<10	<1	0.07	10	7.95	333	2	0.03	16	570	36	0.04	<2	1	97
CC77618		<10	1	0.09	20	6.36	484	5	0.03	33	870	32	0.04	5	1	75
CC77619		<10	1	0.07	10	6.91	618	5	0.02	29	830	38	0.05	<2	1	77
CC77620		<10	<1	0.07	10	6.30	621	4	0.03	35	660	65	0.02	4	2	61

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 8-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10082195

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC77575		<20	0.02	<10	<10	42	<10	129
CC77576		<20	0.06	<10	<10	46	<10	109
CC77577		<20	0.01	<10	<10	16	<10	101
CC77578		<20	0.37	<10	<10	113	<10	108
CC77579		<20	0.01	<10	<10	21	<10	123
CC77580		<20	0.01	<10	<10	20	<10	91
CC77581		<20	0.01	<10	<10	12	<10	227
CC77582		<20	0.01	<10	<10	11	<10	300
CC77583		<20	0.01	<10	<10	14	<10	272
CC77584		<20	0.01	<10	<10	23	<10	531
CC77585		<20	0.01	<10	<10	19	<10	484
CC77592		<20	0.02	<10	<10	38	<10	246
CC77593		<20	0.02	<10	<10	34	<10	199
CC77594		<20	0.01	<10	<10	41	<10	247
CC77595		<20	0.02	<10	<10	34	<10	306
CC77596		<20	0.02	<10	<10	42	<10	165
CC77597		<20	0.02	<10	<10	45	<10	315
CC77598		<20	0.01	<10	<10	46	<10	284
CC77599		<20	0.01	<10	<10	32	<10	201
CC77600		<20	0.01	<10	<10	35	<10	360
CC77601		<20	0.02	<10	<10	45	<10	180
CC77602		<20	0.01	<10	<10	27	<10	236
CC77603		<20	<0.01	<10	<10	18	<10	189
CC77604		<20	0.01	<10	<10	22	<10	163
CC77605		<20	0.01	<10	<10	23	<10	125
CC77606		<20	0.01	<10	<10	12	<10	281
CC77607		<20	0.01	<10	<10	28	<10	1690
CC77608		<20	0.02	<10	<10	33	<10	989
CC77609		<20	0.01	<10	<10	9	<10	351
CC77610		<20	0.02	<10	<10	42	<10	270
CC77611		<20	0.01	<10	<10	23	<10	87
CC77612		<20	0.02	<10	<10	42	<10	108
CC77613		<20	0.02	<10	<10	18	<10	87
CC77614		<20	0.01	<10	<10	8	<10	54
CC77615		<20	0.01	<10	<10	17	<10	100
CC77616		<20	0.01	<10	<10	12	<10	132
CC77617		<20	0.01	<10	<10	14	<10	180
CC77618		<20	0.01	<10	<10	22	<10	297
CC77619		<20	0.01	<10	<10	22	<10	293
CC77620		<20	0.02	<10	<10	23	<10	316

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Project: RAU

CERTIFICATE OF ANALYSIS VA10082195

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC77621		0.34	0.003	0.5	1.24	14	<10	180	0.6	<2	4.58	1.6	8	19	17	2.35
CC77633		0.24	0.004	0.5	0.62	84	<10	140	<0.5	5	8.0	1.4	5	11	13	1.80
CC77634		0.38	0.012	0.3	0.98	39	<10	100	<0.5	5	6.10	1.4	7	16	14	2.28
CC77635		0.24	0.005	<0.2	0.53	14	<10	80	<0.5	10	12.1	0.5	3	8	8	1.07
CC77636		0.20	0.011	0.8	0.94	52	<10	170	0.5	4	3.20	1.7	8	18	22	2.50
CC77637		0.24	0.004	0.4	1.05	22	<10	180	0.5	3	4.34	1.4	10	20	16	2.87
CC77638		0.34	0.005	0.3	1.09	27	<10	160	0.5	2	3.80	0.7	8	21	16	2.51
CC77639		0.22	0.008	0.3	1.02	38	<10	150	0.5	3	4.06	1.1	7	21	19	2.38
CC77640		0.24	0.007	0.6	0.54	61	<10	140	<0.5	5	12.4	1.4	5	13	17	1.62
CC77641		0.32	0.015	0.3	0.61	44	<10	120	<0.5	3	12.1	0.6	5	14	12	1.71
CC77642		0.14	0.005	0.2	0.38	24	<10	100	<0.5	2	4.97	0.6	5	10	17	1.39
CC77643		0.12	0.003	<0.2	0.43	15	<10	90	<0.5	<2	6.53	<0.5	4	9	8	1.08
CC77644		0.34	0.003	0.2	0.22	19	<10	50	<0.5	<2	16.9	0.5	2	7	5	0.69
CC77645		0.36	0.012	0.2	0.29	29	<10	70	<0.5	2	17.1	0.7	4	6	9	0.89
CC77646		0.38	0.007	<0.2	0.41	76	<10	80	<0.5	2	14.8	0.6	4	8	7	1.22
CC77647		0.24	0.003	0.2	0.61	17	<10	200	<0.5	<2	2.32	0.6	13	14	27	3.03
CC77648		0.28	0.015	0.3	0.47	27	<10	110	<0.5	3	10.7	0.5	9	17	21	2.68
CC77649		0.36	0.003	<0.2	0.36	17	<10	100	<0.5	<2	13.1	<0.5	7	11	16	2.67
CC77650		0.24	0.003	0.2	0.56	28	<10	420	<0.5	2	12.7	0.5	6	13	15	2.13
CC77651		0.34	0.002	0.2	0.43	8	<10	90	<0.5	<2	23.7	<0.5	8	7	12	2.40
CC77652		0.28	0.003	0.4	0.65	10	<10	130	<0.5	2	15.5	0.8	14	10	14	3.72
CC77653		0.22	0.006	1.1	0.50	20	<10	330	0.5	4	14.3	2.4	7	13	14	2.93
CC77654		0.32	0.017	1.3	0.31	29	<10	700	<0.5	3	15.7	5.9	4	7	9	2.39
CC77655		0.34	0.012	0.4	0.53	13	<10	270	<0.5	<2	10.7	1.5	7	13	9	2.71
CC77656		0.52	0.004	<0.2	5.57	3	<10	450	0.5	<2	4.23	0.5	37	263	78	6.97
CC77657		0.24	0.004	0.4	1.10	10	<10	230	<0.5	<2	8.1	1.3	9	25	16	2.66
CC77658		0.32	0.003	0.2	1.92	20	<10	260	0.8	<2	0.41	<0.5	11	28	14	3.90
CC77659		0.46	0.004	0.4	1.23	12	<10	130	0.5	<2	8.1	<0.5	10	19	23	3.03
CC77660		0.44	0.004	0.4	1.38	20	<10	230	0.6	2	1.25	0.6	11	24	24	3.10
CC77661		0.42	0.002	<0.2	4.19	2	<10	200	0.5	<2	2.51	<0.5	35	282	77	6.42
CC77662		0.26	0.015	0.3	1.80	20	<10	150	0.6	<2	7.6	1.1	19	71	37	3.74
CC77663		0.36	0.004	0.5	0.62	8	<10	110	<0.5	<2	12.9	0.6	7	12	16	1.70
CC77664		0.24	0.007	0.4	1.55	21	<10	210	0.7	<2	1.88	1.2	12	26	20	3.36
CC77665		0.20	0.004	0.3	1.18	16	<10	170	0.6	<2	4.31	0.8	9	19	19	2.49
CC77666		0.22	0.004	0.6	1.41	17	<10	270	0.7	<2	2.34	1.5	9	23	19	2.73
CC77667		0.28	0.004	0.7	1.32	18	<10	180	0.6	<2	4.66	1.4	8	21	18	2.63

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10082195

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC77621		<10	1	0.07	10	2.82	985	2	0.02	26	950	61	0.07	2	1	23
CC77633		<10	1	0.06	10	4.76	982	1	0.02	16	800	167	0.04	<2	1	28
CC77634		<10	<1	0.05	10	3.89	642	2	0.03	20	900	71	0.04	2	1	25
CC77635		<10	<1	0.03	10	7.37	548	1	0.03	12	830	34	0.05	2	<1	29
CC77636		<10	1	0.08	10	1.14	1260	2	0.03	25	1300	134	0.15	2	1	26
CC77637		<10	<1	0.07	20	2.31	943	2	0.03	26	1400	61	0.11	2	1	36
CC77638		<10	<1	0.06	10	2.09	955	2	0.02	21	1050	48	0.07	<2	1	26
CC77639		<10	1	0.06	10	2.09	1165	2	0.03	21	1230	76	0.12	2	1	23
CC77640		<10	<1	0.06	10	7.31	1050	2	0.02	21	1040	164	0.08	4	1	51
CC77641		<10	1	0.04	10	7.36	662	3	0.03	20	870	80	0.02	3	1	50
CC77642		<10	<1	0.07	10	2.08	1165	4	0.02	19	1620	25	0.20	<2	1	33
CC77643		<10	1	0.05	10	3.58	845	3	0.03	13	1120	22	0.15	<2	1	35
CC77644		<10	<1	0.02	10	10.25	628	5	0.03	13	450	26	<0.01	2	1	68
CC77645		<10	<1	0.03	10	10.40	547	3	0.03	25	900	41	<0.01	<2	1	70
CC77646		<10	<1	0.03	10	9.10	586	4	0.03	19	560	32	0.02	2	1	57
CC77647		<10	<1	0.12	10	0.63	445	<1	0.03	33	2160	43	0.17	<2	2	29
CC77648		<10	<1	0.11	20	6.08	411	<1	0.02	32	1690	57	0.08	2	2	59
CC77649		<10	<1	0.10	20	4.49	474	<1	0.02	24	1180	7	0.11	<2	2	195
CC77650		<10	<1	0.07	10	7.63	515	<1	0.03	22	740	53	0.05	3	2	70
CC77651		<10	<1	0.15	10	0.83	352	<1	0.01	24	720	8	<0.01	<2	3	1010
CC77652		<10	<1	0.22	20	1.55	1370	<1	0.02	34	1070	36	0.09	<2	3	621
CC77653		<10	<1	0.12	10	8.18	1900	2	0.03	24	530	180	0.07	2	2	88
CC77654		<10	<1	0.07	10	9.03	3910	2	0.03	18	480	419	0.10	<2	1	100
CC77655		<10	<1	0.18	10	6.13	1210	1	0.02	18	840	107	0.15	<2	2	82
CC77656		10	<1	0.50	10	7.99	583	<1	0.01	194	760	39	0.02	<2	16	56
CC77657		<10	<1	0.11	10	4.58	1940	1	0.02	27	790	57	0.09	<2	2	38
CC77658		<10	<1	0.11	10	0.48	868	1	0.01	22	740	36	0.04	<2	3	16
CC77659		<10	<1	0.16	10	1.13	555	<1	0.01	28	690	24	0.03	<2	3	104
CC77660		<10	<1	0.10	10	0.89	909	1	0.02	28	580	28	0.04	<2	3	24
CC77661		10	<1	1.00	<10	4.36	679	<1	0.02	138	1560	<2	0.02	<2	6	45
CC77662		10	<1	0.18	10	5.42	1140	<1	0.02	67	830	55	0.06	<2	4	52
CC77663		<10	<1	0.08	10	7.52	478	2	0.02	20	650	34	0.05	<2	1	88
CC77664		<10	<1	0.11	20	1.28	627	2	0.02	31	820	91	0.06	<2	2	21
CC77665		<10	<1	0.11	10	1.70	676	4	0.03	23	1180	31	0.14	<2	1	31
CC77666		<10	<1	0.10	10	1.11	914	2	0.02	24	910	45	0.10	<2	2	27
CC77667		<10	<1	0.09	10	2.91	858	2	0.02	25	980	45	0.07	<2	2	25

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 8-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10082195

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC77621		<20	0.01	<10	<10	37	<10	443
CC77633		<20	0.01	<10	<10	26	<10	470
CC77634		<20	0.02	<10	<10	36	<10	265
CC77635		<20	0.01	<10	<10	16	<10	165
CC77636		<20	0.01	<10	<10	39	<10	369
CC77637		<20	0.01	<10	<10	38	<10	279
CC77638		<20	0.02	<10	<10	48	<10	177
CC77639		<20	0.01	<10	<10	53	<10	282
CC77640		<20	0.01	<10	<10	39	<10	431
CC77641		<20	0.02	<10	<10	46	<10	238
CC77642		<20	<0.01	<10	<10	27	<10	98
CC77643		<20	0.01	<10	<10	22	<10	81
CC77644		<20	<0.01	<10	<10	17	<10	149
CC77645		<20	0.01	<10	<10	36	<10	172
CC77646		<20	0.01	<10	<10	22	<10	271
CC77647		<20	0.01	<10	<10	22	<10	201
CC77648		<20	0.01	<10	<10	22	<10	198
CC77649		<20	0.01	<10	<10	13	<10	69
CC77650		<20	0.02	<10	<10	25	<10	189
CC77651		<20	0.01	<10	<10	10	<10	58
CC77652		<20	0.01	<10	<10	14	<10	294
CC77653		<20	0.01	<10	<10	17	<10	835
CC77654		<20	0.01	<10	<10	21	<10	1760
CC77655		<20	0.02	<10	<10	22	<10	578
CC77656		<20	0.14	<10	<10	131	<10	228
CC77657		<20	0.02	<10	<10	30	<10	327
CC77658		<20	0.01	<10	<10	53	<10	215
CC77659		<20	0.02	<10	<10	27	<10	117
CC77660		<20	0.02	<10	<10	40	<10	146
CC77661		<20	0.34	<10	<10	119	<10	91
CC77662		<20	0.05	<10	<10	40	<10	255
CC77663		<20	0.02	<10	<10	22	<10	211
CC77664		<20	0.02	<10	<10	48	<10	344
CC77665		<20	0.01	<10	<10	36	<10	198
CC77666		<20	0.01	<10	<10	43	<10	280
CC77667		<20	0.02	<10	<10	40	<10	307

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 8-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10082195

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non-sufficient sample.

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Finalized Date: 8-JUL-2010
Account: RCM

CERTIFICATE VA10082196

Project: RAU

P.O. No.: RTI

This report is for 239 Soil samples submitted to our lab in Vancouver, BC, Canada on 21-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-31	Pulverize split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
SCR-43	Screen to -500um, discard plus
SCR-01	Screen - Save plus fraction

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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1016-510 W HASTINGS ST
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Project: RAU

CERTIFICATE OF ANALYSIS VA10082196

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC77190		0.20	<0.001	0.4	1.42	21	<10	210	0.6	<2	1.34	0.6	9	26	17	3.32
CC77191		0.24	0.003	0.5	1.49	23	<10	220	0.6	<2	3.85	0.5	9	25	22	2.92
CC77192		0.16	0.004	0.4	1.42	22	<10	250	0.6	<2	3.09	0.7	9	25	26	2.92
CC77193		0.28	0.003	0.4	1.23	24	<10	180	0.5	<2	6.24	0.7	7	20	19	2.49
CC77194		0.18	0.002	0.4	1.57	23	<10	290	0.6	<2	4.88	0.6	10	26	33	3.04
CC77195		0.14	0.002	0.8	1.45	19	<10	210	0.5	<2	2.91	<0.5	17	34	41	3.50
CC77196		0.26	0.006	0.2	1.07	10	<10	170	<0.5	<2	6.50	<0.5	10	18	31	2.56
CC77197		0.24	0.003	0.3	1.29	14	<10	180	0.5	<2	3.87	<0.5	10	23	31	2.79
CC77198		0.20	0.003	0.3	1.41	15	<10	240	0.6	<2	2.21	0.6	10	25	32	2.88
CC77199		0.12	0.008	0.4	1.51	26	<10	270	0.6	<2	2.68	1.2	12	50	26	3.14
CC77200		0.18	0.005	0.6	0.95	29	<10	230	<0.5	<2	7.8	1.9	6	18	31	1.97
CC77201		0.22	0.001	0.4	0.74	29	<10	160	<0.5	<2	9.6	1.5	5	13	23	1.76
CC77202		0.22	0.003	0.4	1.20	29	<10	180	0.5	<2	5.01	0.6	7	21	18	2.45
CC77203		0.14	0.001	0.4	1.07	26	<10	230	<0.5	<2	3.45	0.5	6	20	12	2.59
CC77204		0.18	0.003	0.5	1.06	25	<10	210	<0.5	2	7.8	1.0	6	18	18	2.21
CC77205		0.24	0.018	0.5	1.15	23	<10	210	0.5	<2	6.81	1.2	6	20	32	2.22
CC77206		0.14	0.002	0.4	1.23	26	<10	190	0.5	<2	2.83	0.8	6	22	16	2.65
CC77207		0.14	0.002	0.6	1.42	23	<10	200	0.5	<2	2.85	1.5	6	24	15	2.64
CC77208		0.24	0.003	0.4	1.32	19	<10	230	0.5	<2	6.19	0.6	7	22	18	2.40
CC77209		0.20	0.003	0.6	1.08	24	<10	210	0.5	<2	6.7	1.1	5	19	26	2.00
CC77210		0.16	0.002	0.6	1.17	20	<10	250	0.5	<2	5.86	0.9	6	20	22	2.08
CC77211		0.10	<0.001	0.4	0.80	12	<10	250	0.5	<2	4.34	1.2	4	14	34	1.33
CC77212		0.16	0.003	0.5	1.45	17	<10	250	0.5	<2	2.65	1.2	10	25	19	2.78
CC77213		0.12	0.003	0.7	1.69	37	<10	630	0.7	2	2.53	1.4	18	33	29	3.76
CC77214		0.40	0.001	0.6	0.44	11	<10	60	<0.5	<2	14.5	<0.5	3	8	8	0.99
CC77215		0.30	0.001	0.5	1.20	18	<10	210	0.5	<2	1.74	0.9	8	22	25	2.96
CC77216		0.28	0.001	0.2	1.40	18	<10	170	0.6	<2	1.49	1.2	8	24	18	2.75
CC77217		0.42	<0.001	0.4	0.58	11	<10	60	<0.5	<2	11.1	<0.5	4	13	10	1.13
CC77218		0.20	0.003	0.3	1.08	15	<10	120	0.5	<2	4.70	0.5	6	20	17	1.86
CC77219		0.38	0.003	0.4	1.21	17	<10	140	0.5	<2	3.67	0.7	7	22	20	2.52
CC77220		0.38	0.001	0.4	1.27	20	<10	170	0.5	<2	3.10	0.7	8	24	26	2.71
CC77221		0.34	0.001	0.4	1.25	18	<10	220	0.5	<2	3.29	0.8	7	23	22	2.45
CC77222		0.26	0.002	0.4	1.21	16	<10	230	0.5	<2	1.91	0.9	7	23	23	2.42
CC77223		0.28	0.015	0.2	2.14	14	<10	200	1.1	<2	1.86	0.6	20	79	44	4.31
CC77224		0.32	0.019	0.8	3.19	14	<10	270	1.6	<2	3.24	0.8	29	126	45	5.93
CC77225		0.28	0.009	0.7	1.51	17	<10	210	0.7	<2	3.96	0.7	17	57	30	3.62
CC77226		0.22	<0.001	0.7	2.43	7	<10	290	1.0	<2	2.54	0.6	24	96	32	4.33
CC77227		0.24	0.010	0.4	2.31	15	<10	200	0.9	<2	3.01	1.1	20	94	21	4.67
CC77228		0.14	0.023	0.4	1.62	28	<10	200	0.6	<2	4.11	1.5	14	62	19	3.62
CC77229		0.42	0.005	0.6	1.19	31	<10	180	<0.5	<2	7.6	1.0	6	19	21	2.10

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VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10082196

Sample Description	Method Analyte Units LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
CC77190		<10	<1	0.10	10	0.97	756	1	0.02	24	620	40	0.03	<2	2	17
CC77191		<10	<1	0.13	10	2.61	752	1	0.02	27	910	37	0.03	<2	3	31
CC77192		<10	<1	0.14	10	1.99	650	<1	0.03	25	950	36	0.04	<2	3	27
CC77193		<10	<1	0.09	10	4.18	613	<1	0.02	19	810	31	0.03	<2	2	30
CC77194		<10	<1	0.21	10	3.34	932	1	0.03	30	990	63	0.02	<2	4	43
CC77195		<10	<1	0.14	20	1.83	617	<1	0.03	39	1290	30	0.05	<2	3	31
CC77196		<10	<1	0.23	20	1.54	497	<1	0.02	31	900	18	0.01	<2	3	43
CC77197		<10	<1	0.20	10	2.35	591	<1	0.02	29	990	23	0.03	<2	3	46
CC77198		<10	<1	0.20	10	1.28	593	<1	0.02	28	1000	28	0.05	<2	3	35
CC77199		<10	<1	0.07	10	1.41	688	<1	0.02	42	2080	67	0.12	<2	3	31
CC77200		<10	<1	0.06	10	4.69	768	<1	0.02	14	880	50	0.07	<2	1	28
CC77201		<10	<1	0.06	10	5.66	641	<1	0.02	11	820	45	0.05	<2	1	32
CC77202		<10	<1	0.07	10	3.29	520	<1	0.02	18	750	38	0.03	<2	2	25
CC77203		<10	<1	0.08	10	1.93	696	1	0.02	16	850	38	0.05	<2	2	22
CC77204		<10	<1	0.10	10	4.64	632	<1	0.02	14	1060	39	0.06	<2	1	31
CC77205		<10	<1	0.12	10	3.99	602	<1	0.02	17	1030	44	0.06	<2	2	34
CC77206		<10	<1	0.13	10	1.45	508	<1	0.03	17	720	48	0.06	<2	2	21
CC77207		<10	<1	0.14	10	1.10	640	<1	0.03	15	1050	77	0.11	<2	2	23
CC77208		<10	<1	0.11	10	3.92	599	1	0.02	17	870	29	0.04	<2	2	32
CC77209		<10	<1	0.11	10	3.94	585	1	0.03	18	790	36	0.05	<2	2	30
CC77210		<10	<1	0.10	10	3.24	661	1	0.03	18	990	28	0.06	4	2	28
CC77211		<10	1	0.07	10	0.89	906	1	0.03	17	1350	17	0.18	<2	<1	28
CC77212		<10	<1	0.10	10	1.43	733	1	0.03	19	960	21	0.06	2	2	22
CC77213		<10	<1	0.19	10	1.19	4790	2	0.03	33	1260	31	0.11	4	2	25
CC77214		<10	<1	0.03	<10	9.43	457	<1	0.02	5	460	14	0.02	2	1	75
CC77215		<10	<1	0.14	10	0.96	707	1	0.02	21	1120	49	0.06	4	2	24
CC77216		<10	<1	0.10	10	0.70	768	1	0.02	19	740	38	0.07	2	2	19
CC77217		<10	<1	0.05	<10	7.08	253	<1	0.02	8	670	28	0.01	3	1	45
CC77218		<10	<1	0.09	10	2.20	487	1	0.03	15	900	47	0.09	4	2	30
CC77219		<10	<1	0.11	10	2.16	437	1	0.02	20	890	32	0.05	4	2	26
CC77220		<10	<1	0.10	10	1.91	547	1	0.02	24	1000	33	0.04	4	3	28
CC77221		<10	<1	0.11	10	1.75	589	1	0.03	20	1050	31	0.07	2	2	30
CC77222		<10	<1	0.12	10	0.77	619	1	0.03	21	980	35	0.09	3	2	27
CC77223		10	<1	0.17	10	1.78	626	<1	0.02	71	1860	33	0.09	3	5	40
CC77224		10	<1	0.23	10	3.87	1165	1	0.02	111	3380	39	0.06	6	9	69
CC77225		10	<1	0.17	10	2.58	691	1	0.02	67	2380	22	0.07	<2	4	48
CC77226		10	<1	0.16	10	2.33	836	<1	0.02	94	2100	12	0.12	3	6	48
CC77227		10	<1	0.13	10	2.97	684	1	0.02	78	3350	40	0.09	5	5	37
CC77228		10	<1	0.13	10	2.86	574	1	0.02	53	1980	83	0.10	5	3	32
CC77229		<10	<1	0.06	10	4.82	674	1	0.02	13	770	44	0.03	4	2	22

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10082196

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC77190		<20	0.02	<10	<10	46	<10	142
CC77191		<20	0.02	<10	<10	43	<10	149
CC77192		<20	0.02	<10	<10	44	<10	157
CC77193		<20	0.02	<10	<10	37	<10	167
CC77194		<20	0.03	<10	<10	47	<10	169
CC77195		<20	0.01	<10	<10	41	<10	161
CC77196		<20	0.04	<10	<10	28	<10	111
CC77197		<20	0.03	<10	<10	32	<10	146
CC77198		<20	0.03	<10	<10	38	<10	165
CC77199		<20	0.03	<10	<10	46	<10	222
CC77200		<20	0.01	<10	<10	30	<10	223
CC77201		<20	0.01	<10	<10	24	<10	219
CC77202		<20	0.02	<10	<10	38	<10	129
CC77203		<20	0.02	<10	<10	38	<10	160
CC77204		<20	0.01	<10	<10	34	<10	186
CC77205		<20	0.02	<10	<10	35	<10	239
CC77206		<20	0.02	<10	<10	41	<10	184
CC77207		<20	0.02	<10	<10	43	<10	223
CC77208		<20	0.02	<10	<10	41	<10	130
CC77209		<20	0.02	<10	<10	34	<10	164
CC77210		<20	0.02	<10	<10	36	<10	175
CC77211		<20	0.01	<10	<10	21	<10	96
CC77212		<20	0.02	<10	<10	48	<10	133
CC77213		<20	0.01	<10	<10	54	<10	173
CC77214		<20	0.01	<10	<10	16	<10	76
CC77215		<20	0.02	<10	<10	38	<10	192
CC77216		<20	0.02	<10	<10	42	<10	177
CC77217		<20	0.02	<10	<10	19	<10	84
CC77218		<20	0.02	<10	<10	30	<10	132
CC77219		<20	0.02	<10	<10	37	<10	148
CC77220		<20	0.02	<10	<10	41	<10	157
CC77221		<20	0.02	<10	<10	39	<10	152
CC77222		<20	0.02	<10	<10	38	<10	179
CC77223		<20	0.07	<10	<10	67	<10	246
CC77224		<20	0.12	<10	<10	98	<10	262
CC77225		<20	0.05	<10	<10	47	<10	205
CC77226		<20	0.09	<10	<10	74	<10	126
CC77227		<20	0.06	<10	<10	67	<10	199
CC77228		<20	0.04	<10	<10	52	<10	234
CC77229		<20	0.02	<10	<10	38	<10	218

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1016-510 W HASTINGS ST
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Project: RAU

CERTIFICATE OF ANALYSIS VA10082196

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC77230		0.36	0.004	0.8	1.26	34	<10	180	0.5	<2	5.52	1.1	6	28	25	2.37
CC77231		0.22	0.007	0.5	1.21	46	<10	190	0.5	<2	2.80	7.5	6	20	41	2.26
CC77232		0.28	0.006	0.5	0.64	47	<10	80	<0.5	3	11.8	1.6	4	8	19	1.46
CC77233		0.36	0.003	0.7	1.29	46	<10	170	0.5	<2	5.99	2.5	6	19	13	2.30
CC77234		0.44	0.001	0.7	1.64	23	<10	270	0.6	<2	3.07	0.6	7	25	13	2.50
CC77235		0.38	0.002	0.8	1.69	26	<10	230	0.8	<2	5.09	0.6	7	23	20	1.97
CC77236		0.38	0.003	0.7	1.67	30	<10	330	0.7	<2	2.10	0.5	7	27	19	2.62
CC77237		0.30	0.001	0.8	1.15	26	<10	180	0.5	<2	8.0	0.9	5	16	10	1.85
CC77238		0.32	0.002	0.6	1.53	19	<10	250	0.6	<2	1.70	0.8	8	23	11	2.81
CC77239		0.24	0.003	0.6	1.29	17	<10	290	0.5	<2	2.81	0.9	7	20	20	2.14
CC77241		0.14	0.009	0.5	1.11	35	<10	410	<0.5	3	3.81	0.6	5	17	17	2.11
CC77242		0.26	0.001	0.3	0.92	11	<10	160	<0.5	<2	8.7	0.9	5	14	10	1.49
CC77243		0.36	0.010	0.5	0.74	21	<10	150	<0.5	<2	9.2	0.5	4	12	25	1.26
CC77244		0.36	0.001	0.6	0.38	19	<10	150	<0.5	2	15.4	0.6	2	5	10	0.79
CC77245		0.24	0.002	0.3	1.04	20	<10	130	<0.5	<2	2.28	<0.5	6	16	10	1.94
CC77246		0.48	0.022	0.7	0.60	35	<10	130	<0.5	<2	8.4	1.8	5	11	20	1.79
CC77247		0.30	0.001	0.7	0.95	12	<10	150	<0.5	<2	2.05	1.5	5	15	9	1.68
CC77248		0.28	0.001	0.4	1.24	23	<10	210	0.5	<2	2.36	1.1	7	23	15	2.55
CC77249		0.20	0.004	0.6	1.69	17	<10	280	0.6	<2	1.97	1.7	9	24	15	2.45
CC77250		0.20	0.007	0.6	0.90	12	<10	320	<0.5	<2	3.35	2.5	6	14	15	1.45
CC77251		0.26	0.008	0.7	1.33	25	<10	370	0.6	<2	1.72	1.0	9	26	31	2.59
CC77252		0.40	0.006	0.7	1.25	29	<10	310	0.5	2	4.17	1.0	8	25	31	2.60
CC77253		0.20	0.005	0.7	1.39	25	<10	360	0.5	<2	2.35	0.9	9	28	28	2.64
CC77254		0.58	0.004	0.8	1.24	30	<10	290	0.5	<2	3.92	0.8	9	26	31	2.81
CC77255		0.16	NSS	0.6	1.04	18	<10	410	<0.5	<2	2.52	0.9	6	21	24	2.06
CC77256		0.22	0.005	0.6	1.25	27	<10	370	0.5	<2	1.89	1.0	9	26	29	2.68
CC77257		0.18	0.005	0.6	1.30	27	<10	380	0.5	<2	2.04	1.1	9	28	33	2.63
CC77258		0.32	0.004	0.4	1.38	26	<10	210	0.6	<2	2.20	0.9	9	26	30	2.72
CC77259		0.20	0.002	0.5	1.32	17	<10	230	0.6	<2	2.06	1.5	8	28	21	2.80
CC77260		0.14	0.002	0.5	1.07	16	<10	240	<0.5	<2	1.53	0.7	8	23	27	2.35
CC77261		0.20	0.003	0.5	1.13	17	<10	210	<0.5	<2	1.21	0.7	7	23	20	2.46
CC77262		0.22	0.002	0.4	1.15	16	<10	210	<0.5	<2	2.12	0.7	8	24	19	2.36
CC77263		0.44	0.005	0.4	0.95	23	<10	200	<0.5	<2	7.1	1.0	7	19	20	2.14
CC77264		0.18	0.005	0.6	0.73	22	<10	130	<0.5	3	10.0	1.4	6	15	15	1.61
CC77265		0.20	0.005	0.5	1.45	20	<10	250	0.6	<2	3.12	0.9	12	33	20	3.03
CC77266		0.20	0.005	0.5	2.67	10	<10	270	1.3	<2	3.54	0.6	26	106	38	4.82
CC77267		0.14	0.008	0.4	2.26	6	<10	230	0.8	<2	3.08	0.6	21	69	21	4.22
CC77268		0.14	0.011	0.3	2.68	15	<10	230	1.0	<2	2.64	0.6	22	106	18	4.47
CC77269		0.22	0.019	0.7	0.87	16	<10	150	<0.5	<2	3.50	2.4	5	14	19	1.46
CC77270		0.24	0.009	0.5	0.86	31	<10	110	<0.5	<2	10.8	3.2	6	14	14	1.54

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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Project: RAU

CERTIFICATE OF ANALYSIS VA10082196

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC77230		<10	<1	0.07	10	3.48	634	<1	0.02	17	790	52	0.03	7	2	19
CC77231		<10	<1	0.09	10	1.06	993	1	0.03	16	1220	235	0.11	5	1	20
CC77232		<10	<1	0.03	<10	7.37	809	<1	0.03	5	720	235	0.04	5	1	23
CC77233		<10	<1	0.07	10	3.63	1080	1	0.03	11	980	40	0.05	4	2	25
CC77234		<10	<1	0.07	10	2.05	701	1	0.02	17	370	42	0.02	4	3	15
CC77235		<10	<1	0.11	20	3.27	575	2	0.02	20	630	46	0.02	2	5	23
CC77236		<10	<1	0.11	10	1.25	488	1	0.01	23	1150	30	0.04	<2	3	24
CC77237		<10	<1	0.07	10	4.92	949	1	0.03	10	730	15	0.05	3	1	28
CC77238		10	<1	0.08	10	0.87	633	1	0.02	15	780	39	0.06	2	2	19
CC77239		<10	<1	0.09	10	0.75	905	1	0.03	13	1350	22	0.14	<2	1	25
CC77241		<10	<1	0.08	10	1.48	547	1	0.02	10	910	47	0.11	4	2	22
CC77242		<10	<1	0.06	<10	5.09	739	1	0.03	8	820	15	0.06	3	1	25
CC77243		<10	<1	0.05	<10	5.25	623	<1	0.03	7	1100	20	0.09	2	1	25
CC77244		<10	<1	0.03	<10	9.73	658	<1	0.02	4	500	11	0.03	2	<1	40
CC77245		<10	<1	0.06	10	1.35	539	1	0.02	10	480	28	0.04	3	2	14
CC77246		<10	<1	0.06	10	5.40	542	<1	0.01	16	920	90	0.01	8	1	26
CC77247		<10	<1	0.04	<10	1.00	675	<1	0.01	7	640	16	0.04	<2	1	10
CC77248		<10	<1	0.12	10	1.34	517	<1	0.02	20	1130	29	0.05	5	2	20
CC77249		<10	<1	0.06	10	0.76	370	<1	0.02	18	840	47	0.07	<2	3	18
CC77250		<10	1	0.05	<10	0.89	562	<1	0.01	14	1090	15	0.13	<2	1	20
CC77251		<10	<1	0.12	10	0.84	460	<1	0.01	30	910	31	0.06	2	3	20
CC77252		<10	<1	0.16	10	2.59	478	<1	0.02	29	940	23	0.04	4	3	30
CC77253		<10	1	0.15	10	1.15	450	<1	0.02	28	1180	25	0.07	5	2	27
CC77254		<10	<1	0.12	10	2.51	451	<1	0.02	29	1060	23	0.03	6	2	31
CC77255		<10	1	0.12	10	0.65	365	<1	0.02	20	930	16	0.10	2	2	27
CC77256		<10	<1	0.15	10	0.85	567	<1	0.02	27	1080	25	0.07	4	2	23
CC77257		<10	<1	0.14	10	0.82	486	<1	0.01	30	1030	22	0.07	4	2	24
CC77258		<10	<1	0.12	10	1.17	590	<1	0.02	24	1040	42	0.06	3	3	24
CC77259		<10	1	0.13	10	1.10	528	<1	0.02	25	820	34	0.05	<2	3	23
CC77260		<10	<1	0.11	10	0.93	516	<1	0.03	25	910	25	0.02	2	3	30
CC77261		<10	1	0.11	10	0.63	434	<1	0.02	22	550	31	0.04	2	3	22
CC77262		<10	<1	0.11	10	1.13	379	<1	0.03	19	790	36	0.04	5	3	26
CC77263		<10	1	0.09	10	4.62	706	<1	0.02	18	790	50	0.02	7	2	30
CC77264		<10	1	0.09	10	6.32	458	<1	0.02	13	960	62	0.04	3	1	36
CC77265		<10	1	0.10	10	1.50	817	<1	0.02	29	1280	39	0.07	6	2	29
CC77266		10	<1	0.22	10	3.65	662	<1	0.02	97	2590	21	0.06	4	7	53
CC77267		10	1	0.20	10	2.67	513	<1	0.02	64	3420	17	0.08	2	4	50
CC77268		10	<1	0.12	10	3.45	575	<1	0.02	76	3080	18	0.11	5	5	33
CC77269		<10	1	0.06	<10	0.79	502	<1	0.02	15	1240	89	0.15	2	1	19
CC77270		<10	<1	0.07	10	7.08	697	<1	0.02	11	830	167	0.03	5	1	28

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Project: RAU

Finalized Date: 8-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10082196

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC77230		<20	0.02	<10	<10	43	<10	227
CC77231		<20	0.02	<10	<10	39	<10	414
CC77232		<20	0.01	<10	<10	23	<10	371
CC77233		<20	0.02	<10	<10	41	<10	355
CC77234		<20	0.02	<10	<10	52	<10	142
CC77235		<20	0.01	<10	<10	42	<10	156
CC77236		<20	0.01	<10	<10	52	<10	156
CC77237		<20	0.02	<10	<10	35	<10	210
CC77238		<20	0.03	<10	<10	54	<10	106
CC77239		<20	0.02	<10	<10	39	<10	124
CC77241		<20	0.02	<10	<10	39	<10	151
CC77242		<20	0.02	<10	<10	28	<10	122
CC77243		<20	0.01	<10	<10	26	<10	130
CC77244		<20	0.01	<10	<10	19	<10	217
CC77245		<20	0.02	<10	<10	35	<10	155
CC77246		<20	0.01	<10	<10	30	<10	351
CC77247		<20	0.02	<10	<10	33	<10	199
CC77248		<20	0.02	<10	<10	44	<10	255
CC77249		<20	0.02	<10	<10	54	<10	172
CC77250		<20	0.01	<10	<10	26	<10	124
CC77251		<20	0.02	<10	<10	43	<10	182
CC77252		<20	0.02	<10	<10	40	<10	180
CC77253		<20	0.02	<10	<10	43	<10	166
CC77254		<20	0.02	<10	<10	38	<10	168
CC77255		<20	0.01	<10	<10	31	<10	149
CC77256		<20	0.01	<10	<10	41	<10	163
CC77257		<20	0.01	<10	<10	39	<10	201
CC77258		<20	0.02	<10	<10	43	<10	186
CC77259		<20	0.02	<10	<10	45	<10	155
CC77260		<20	0.05	<10	<10	42	<10	109
CC77261		<20	0.03	<10	<10	42	<10	126
CC77262		<20	0.03	<10	<10	39	<10	133
CC77263		<20	0.02	<10	<10	32	<10	168
CC77264		<20	0.01	<10	<10	24	<10	165
CC77265		<20	0.02	<10	<10	44	<10	274
CC77266		<20	0.10	<10	<10	81	<10	132
CC77267		<20	0.04	<10	<10	55	<10	126
CC77268		<20	0.07	<10	<10	74	<10	146
CC77269		<20	0.01	<10	<10	25	<10	176
CC77270		<20	0.02	<10	<10	28	<10	373

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
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Project: RAU

CERTIFICATE OF ANALYSIS VA10082196

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC77271		0.30	0.004	0.5	1.44	18	<10	210	0.5	<2	3.09	1.1	7	23	14	2.40
CC77272		0.42	0.006	0.4	0.74	19	<10	110	<0.5	<2	9.0	0.9	5	13	12	1.42
CC77273		0.34	0.005	0.7	1.28	19	<10	140	0.5	<2	4.09	2.6	7	20	14	2.31
CC77274		0.22	0.004	0.4	1.25	19	<10	270	<0.5	<2	1.00	2.5	9	20	15	2.19
CC77275		0.26	0.002	0.5	1.05	15	<10	150	<0.5	<2	7.8	2.0	6	15	10	1.72
CC77276		0.14	0.009	0.3	0.70	9	<10	110	<0.5	<2	7.3	2.3	5	10	15	1.04
CC77277		0.26	0.003	0.6	1.13	34	<10	170	<0.5	<2	7.6	0.7	7	17	17	1.90
CC77278		0.28	0.006	0.7	1.50	41	<10	290	0.7	<2	1.11	0.6	9	27	23	3.44
CC77279		0.20	0.004	0.4	0.67	24	<10	150	<0.5	<2	9.6	0.9	4	11	16	1.29
CC77280		0.30	0.007	0.6	0.65	27	<10	130	<0.5	<2	11.3	0.9	4	10	14	1.30
CC77281		0.20	0.008	0.6	1.86	17	<10	220	0.7	<2	2.67	0.5	10	29	18	2.79
CC77282		0.22	0.005	0.8	0.30	48	<10	120	<0.5	<2	16.6	2.0	2	4	14	0.78
CC77283		0.14	0.003	0.7	2.11	17	<10	290	0.7	<2	0.80	0.6	8	31	14	3.09
CC77284		0.20	0.004	0.6	1.60	26	<10	340	0.5	2	5.66	0.8	5	22	17	2.42
CC77285		0.10	0.008	0.4	2.06	37	<10	360	0.7	<2	1.34	0.7	9	31	22	3.36
CC77286		0.24	0.010	0.3	1.00	18	<10	150	<0.5	<2	9.8	<0.5	5	16	16	1.67
CC77287		0.22	0.007	0.6	0.92	14	<10	120	<0.5	<2	10.5	0.7	5	14	13	1.51
CC77288		0.12	0.016	0.3	0.82	22	<10	140	<0.5	<2	12.5	0.5	4	12	11	1.40
CC77289		0.18	0.014	0.5	0.71	30	<10	190	<0.5	<2	10.9	<0.5	7	9	12	1.97
CC77290		0.16	0.011	0.4	0.67	22	<10	170	<0.5	<2	11.2	<0.5	6	9	7	1.64
CC77291		0.12	0.003	0.2	1.26	15	<10	230	<0.5	<2	2.20	0.5	7	19	15	2.05
CC77292		0.22	0.007	0.6	0.51	52	<10	290	<0.5	4	11.7	1.0	3	8	7	1.48
CC77293		0.18	0.004	0.5	1.47	20	<10	230	0.6	<2	6.27	0.5	7	23	11	2.73
CC77294		0.12	0.004	0.5	1.51	24	<10	410	0.6	<2	3.20	0.8	8	29	31	2.93
CC77295		0.14	0.003	0.3	1.47	20	<10	310	0.6	<2	2.54	0.6	9	27	22	3.05
CC77296		0.10	0.004	0.7	1.82	20	<10	540	0.7	<2	2.02	1.0	10	33	27	3.28
CC77297		0.14	0.006	0.7	1.56	27	<10	420	0.6	<2	2.48	0.9	9	29	30	3.00
CC77298		0.32	0.012	0.9	1.31	46	<10	430	0.5	<2	5.48	1.3	8	26	33	3.03
CC77299		0.10	0.006	0.7	1.30	26	<10	510	0.5	<2	2.36	1.0	9	27	34	2.76
CC77300		0.12	0.008	0.6	1.25	24	<10	410	0.5	<2	2.30	0.8	8	26	27	2.60
CC77301		0.22	0.005	0.3	0.93	23	<10	250	<0.5	<2	5.16	0.7	7	18	17	2.14
CC77302		0.22	0.003	0.3	1.36	15	<10	210	0.5	<2	0.88	0.8	9	27	22	2.78
CC77303		0.16	0.003	0.2	0.52	2	<10	90	<0.5	2	0.49	<0.5	<1	3	2	1.09
CC77304		0.28	0.003	0.4	1.05	21	<10	160	<0.5	<2	6.42	0.7	6	20	20	2.11
CC77305		0.10	0.005	0.5	1.57	20	<10	330	0.6	<2	1.63	0.7	10	47	33	2.84
CC77306		0.22	0.002	0.4	1.06	20	<10	170	<0.5	<2	8.5	1.0	5	19	15	1.86
CC77307		0.18	0.004	0.6	1.09	26	<10	180	<0.5	<2	6.62	1.1	5	19	20	2.08
CC77308		0.20	0.002	0.2	2.08	20	<10	170	0.7	<2	1.89	2.7	9	31	11	2.95
CC77309		0.18	0.002	0.3	0.59	17	<10	80	<0.5	<2	0.97	0.6	3	11	11	1.97
CC77310		0.10	0.002	0.3	1.56	33	<10	220	0.5	<2	1.88	1.8	7	25	14	2.67

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Project: RAU

CERTIFICATE OF ANALYSIS VA10082196

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC77271		<10	2	0.07	10	1.82	591	<1	0.02	15	810	44	0.04	3	2	17
CC77272		10	1	0.05	10	5.81	390	<1	0.02	10	890	33	0.03	6	1	26
CC77273		<10	<1	0.08	10	2.54	591	<1	0.02	14	800	41	0.04	<2	2	17
CC77274		<10	<1	0.07	10	0.40	617	<1	0.02	11	480	31	0.04	2	2	14
CC77275		<10	<1	0.06	10	5.07	697	<1	0.03	9	530	25	0.03	<2	2	20
CC77276		<10	1	0.05	<10	3.71	687	<1	0.03	5	1110	11	0.14	4	1	20
CC77277		<10	1	0.07	10	4.68	761	<1	0.02	10	1080	13	0.07	2	1	22
CC77278		10	<1	0.14	20	0.60	838	<1	0.02	24	840	48	0.06	3	2	15
CC77279		<10	1	0.06	<10	5.66	554	<1	0.02	8	800	14	0.07	5	1	27
CC77280		<10	<1	0.05	<10	7.27	604	<1	0.02	5	800	12	0.04	4	1	30
CC77281		<10	<1	0.10	20	1.93	487	<1	0.03	25	520	26	0.04	4	4	19
CC77282		<10	<1	0.03	<10	10.35	865	<1	0.03	5	540	18	<0.01	7	<1	35
CC77283		10	<1	0.10	20	0.65	446	1	0.03	19	670	22	0.04	<2	3	19
CC77284		<10	1	0.08	10	3.58	1305	1	0.03	11	760	32	0.04	6	2	21
CC77285		10	<1	0.11	10	0.68	701	1	0.03	16	640	33	0.05	2	3	19
CC77286		<10	<1	0.10	10	6.18	457	<1	0.03	10	690	13	0.03	4	2	33
CC77287		<10	<1	0.07	10	6.60	556	<1	0.03	8	850	13	0.04	2	1	30
CC77288		<10	<1	0.09	10	7.68	638	<1	0.03	9	970	15	0.06	<2	1	31
CC77289		<10	<1	0.07	10	6.59	535	<1	0.02	5	1250	11	0.06	2	1	37
CC77290		<10	<1	0.10	10	6.97	394	1	0.02	4	1330	10	0.04	6	1	38
CC77291		<10	<1	0.07	10	0.62	484	1	0.02	12	820	17	0.11	2	2	20
CC77292		<10	<1	0.04	<10	7.31	2270	1	0.03	6	580	21	0.03	4	1	27
CC77293		<10	<1	0.08	10	3.79	934	1	0.03	18	850	33	0.06	3	2	23
CC77294		<10	<1	0.21	10	1.67	729	1	0.03	29	1040	29	0.08	2	2	36
CC77295		<10	<1	0.15	10	1.54	555	1	0.03	25	880	27	0.05	2	3	27
CC77296		<10	<1	0.21	10	0.98	750	1	0.03	32	1030	31	0.07	2	3	32
CC77297		<10	<1	0.17	10	1.10	544	2	0.02	30	890	30	0.08	4	3	30
CC77298		<10	<1	0.18	10	3.49	1025	2	0.03	32	1060	29	0.04	5	3	41
CC77299		<10	<1	0.16	10	0.82	600	1	0.03	32	1150	26	0.11	<2	2	35
CC77300		<10	<1	0.16	10	0.95	415	1	0.03	27	1130	21	0.09	4	2	36
CC77301		<10	<1	0.11	10	3.09	525	1	0.02	16	960	24	0.05	5	2	37
CC77302		10	<1	0.11	10	0.56	661	1	0.03	22	790	37	0.06	2	3	20
CC77303		<10	<1	0.01	10	0.30	251	<1	<0.01	3	310	15	<0.01	<2	1	10
CC77304		<10	<1	0.12	10	4.09	425	1	0.03	20	820	55	0.02	<2	3	34
CC77305		<10	<1	0.14	10	0.75	604	1	0.04	28	910	42	0.08	2	3	30
CC77306		<10	<1	0.09	10	5.33	545	1	0.03	12	790	42	0.04	<2	2	26
CC77307		<10	<1	0.09	10	4.01	621	1	0.03	17	980	84	0.05	3	2	28
CC77308		10	<1	0.07	10	1.23	581	1	0.02	15	350	106	0.03	2	4	16
CC77309		<10	<1	0.03	<10	0.32	373	1	0.02	9	540	60	0.05	5	1	8
CC77310		<10	<1	0.11	10	1.07	634	1	0.03	17	750	97	0.05	3	2	18

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Project: RAU

CERTIFICATE OF ANALYSIS VA10082196

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC77271		<20	0.02	<10	<10	46	<10	156
CC77272		<20	0.02	<10	<10	25	<10	158
CC77273		<20	0.02	<10	<10	42	<10	213
CC77274		<20	0.03	<10	<10	51	<10	146
CC77275		<20	0.02	<10	<10	36	<10	246
CC77276		<20	0.01	<10	<10	21	<10	203
CC77277		<20	0.02	<10	<10	34	<10	195
CC77278		<20	0.02	<10	<10	52	<10	182
CC77279		<20	0.01	<10	<10	21	<10	218
CC77280		<20	0.01	<10	<10	22	<10	266
CC77281		<20	0.04	<10	<10	55	<10	128
CC77282		<20	0.01	<10	<10	11	<10	253
CC77283		<20	0.03	<10	<10	67	<10	82
CC77284		<20	0.02	<10	<10	50	<10	205
CC77285		<20	0.03	<10	<10	71	<10	180
CC77286		<20	0.02	<10	<10	32	<10	122
CC77287		<20	0.02	<10	<10	31	<10	157
CC77288		<20	0.01	<10	<10	29	<10	145
CC77289		<20	0.01	<10	<10	28	<10	131
CC77290		<20	0.01	<10	<10	24	<10	125
CC77291		<20	0.02	<10	<10	48	<10	95
CC77292		<20	0.01	<10	10	35	<10	221
CC77293		<20	0.02	<10	<10	49	<10	128
CC77294		<20	0.02	<10	<10	51	<10	142
CC77295		<20	0.02	<10	<10	48	<10	125
CC77296		<20	0.02	<10	<10	56	<10	189
CC77297		<20	0.02	<10	<10	49	<10	185
CC77298		<20	0.02	<10	<10	47	<10	201
CC77299		<20	0.01	<10	<10	40	<10	178
CC77300		<20	0.02	<10	<10	39	<10	170
CC77301		<20	0.02	<10	<10	33	<10	146
CC77302		<20	0.03	<10	<10	48	<10	148
CC77303		<20	<0.01	<10	<10	6	<10	16
CC77304		<20	0.03	<10	<10	37	<10	149
CC77305		<20	0.03	<10	<10	54	<10	130
CC77306		<20	0.02	<10	<10	34	<10	141
CC77307		<20	0.02	<10	<10	37	<10	186
CC77308		<20	0.04	<10	<10	70	<10	290
CC77309		<20	0.01	<10	<10	22	<10	152
CC77310		<20	0.02	<10	<10	55	<10	241

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Project: RAU

CERTIFICATE OF ANALYSIS VA10082196

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC77311		0.16	0.001	0.4	1.77	21	<10	200	0.6	<2	1.30	1.8	9	26	9	2.78
CC77312		0.18	0.004	0.5	1.59	24	<10	200	0.5	<2	1.75	0.9	6	25	12	2.68
CC77313		0.22	0.005	0.5	0.97	26	<10	180	<0.5	3	7.4	1.3	6	17	15	2.03
CC77314		0.28	0.004	0.7	0.74	27	<10	110	<0.5	<2	11.2	3.2	4	12	12	1.56
CC77315		0.22	0.005	0.8	1.21	24	<10	150	0.5	2	7.6	2.4	6	18	14	2.07
CC77316		0.20	0.006	0.5	0.77	21	<10	110	<0.5	<2	10.4	1.1	5	13	10	1.52
CC77317		0.20	0.002	0.5	0.32	37	<10	70	<0.5	4	15.4	3.3	3	5	7	0.97
CC77318		0.22	0.001	0.3	2.33	15	<10	260	0.7	<2	0.51	<0.5	7	33	9	3.06
CC77319		0.28	0.006	0.4	0.78	23	<10	120	<0.5	3	8.7	0.7	6	12	13	1.58
CC77320		0.20	0.004	0.6	1.25	27	<10	220	0.6	<2	4.66	<0.5	7	19	13	2.50
CC77321		0.16	0.002	<0.2	2.38	15	<10	250	0.6	<2	0.36	0.9	9	32	10	3.36
CC77322		0.10	0.003	0.3	1.50	26	<10	220	0.6	<2	1.06	1.3	9	26	15	3.00
CC77323		0.20	0.006	0.3	0.22	8	<10	40	<0.5	<2	16.5	0.6	2	3	21	0.40
CC77324		0.16	0.034	0.4	0.43	213	<10	100	<0.5	7	12.5	1.6	5	7	115	3.79
CC77325		0.14	0.001	<0.2	1.71	17	<10	160	0.6	<2	1.23	0.5	9	27	13	2.95
CC77326		0.22	0.002	0.3	1.35	32	<10	190	0.5	2	2.72	0.6	7	21	19	2.92
CC77327		0.18	0.008	0.6	1.20	56	<10	150	<0.5	<2	2.13	7.1	7	20	31	2.84
CC77328		0.26	0.022	0.4	0.39	21	<10	70	<0.5	<2	12.8	1.0	4	11	25	0.82
CC77329		0.30	0.053	1.4	0.85	256	<10	190	<0.5	13	5.06	2.5	8	14	113	4.18
CC77330		0.18	0.006	0.2	1.58	46	<10	250	<0.5	<2	1.09	1.7	11	26	13	3.09
CC77331		0.24	0.028	1.7	0.60	152	<10	780	<0.5	11	6.98	2.4	6	9	35	3.00
CC77332		0.24	0.013	0.4	0.60	33	<10	130	<0.5	2	9.9	0.6	5	9	9	1.50
CC77333		0.24	0.021	0.5	0.81	22	<10	260	<0.5	<2	3.18	0.6	6	12	16	1.71
CC77334		0.32	0.005	0.2	1.80	22	<10	280	0.7	<2	1.85	<0.5	9	26	12	3.10
CC77335		0.30	0.024	0.4	1.46	34	<10	300	0.6	<2	1.60	0.5	12	22	16	2.90
CC77336		0.16	0.014	0.3	1.23	24	<10	260	<0.5	<2	1.98	0.6	8	20	16	2.33
CC77337		0.20	0.005	0.2	1.52	15	<10	310	0.6	<2	1.78	0.5	10	25	17	2.70
CC77338		0.30	0.006	0.3	1.86	27	<10	510	0.8	2	1.38	<0.5	11	32	26	3.50
CC77339		0.20	0.001	0.2	1.55	17	<10	280	0.5	<2	1.50	0.5	8	24	15	2.72
CC77340		0.24	0.006	0.4	1.31	21	<10	290	0.5	<2	3.25	0.6	9	22	24	2.57
CC77341		0.24	0.005	0.5	1.30	23	<10	270	0.5	<2	2.05	0.9	8	23	33	2.60
CC77342		0.32	0.002	0.4	1.32	22	<10	310	0.5	<2	3.93	0.8	10	24	33	2.85
CC77343		0.38	0.002	0.3	1.07	21	<10	230	<0.5	<2	4.45	0.7	8	20	26	2.40
CC77344		0.24	0.003	0.3	0.41	14	<10	90	<0.5	<2	13.6	0.6	4	5	8	0.87
CC77345		0.30	0.018	0.9	1.47	43	<10	160	0.7	<2	2.22	1.4	9	22	17	3.15
CC77346		0.22	0.013	0.7	0.98	24	<10	160	<0.5	<2	5.34	0.8	7	14	15	2.03
CC77347		0.24	<0.001	0.3	0.79	26	<10	110	<0.5	<2	10.9	0.7	5	11	13	1.57
CC77348		0.34	0.001	<0.2	1.96	20	<10	290	0.6	<2	0.72	1.8	9	28	12	3.18
CC77349		0.20	<0.001	<0.2	1.71	20	<10	130	0.6	<2	1.54	1.1	7	22	10	3.00
CC77350		0.28	0.003	<0.2	1.57	73	<10	220	<0.5	2	0.65	0.7	13	21	7	3.63

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10082196

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC77311		10	<1	0.08	10	0.80	1005	1	0.02	17	540	75	0.04	<2	3	13
CC77312		<10	<1	0.10	10	0.97	466	1	0.03	18	870	32	0.06	2	2	19
CC77313		<10	<1	0.08	10	4.56	628	1	0.03	16	940	24	0.04	5	2	29
CC77314		<10	<1	0.07	10	7.07	647	1	0.03	8	830	163	0.04	7	1	29
CC77315		<10	<1	0.07	10	4.67	803	1	0.02	12	870	94	0.05	2	2	22
CC77316		<10	<1	0.08	10	6.62	534	1	0.03	10	820	44	0.04	4	1	29
CC77317		<10	<1	0.03	<10	9.86	753	<1	0.02	5	670	253	0.03	4	<1	28
CC77318		10	<1	0.06	10	0.60	324	1	0.02	20	470	28	0.03	<2	4	14
CC77319		<10	<1	0.06	10	5.58	513	<1	0.02	12	690	27	0.03	<2	2	28
CC77320		<10	<1	0.09	10	3.22	825	1	0.02	15	770	48	0.04	2	2	20
CC77321		10	1	0.07	10	0.53	336	1	0.02	22	300	20	0.02	2	3	13
CC77322		<10	<1	0.10	10	0.61	771	1	0.02	19	810	29	0.06	<2	2	17
CC77323		<10	<1	0.01	<10	10.70	421	<1	0.02	<1	380	8	<0.01	<2	<1	27
CC77324		<10	<1	0.04	<10	7.95	650	<1	0.03	12	570	31	0.03	25	1	30
CC77325		<10	<1	0.08	10	0.74	534	1	0.02	20	600	21	0.04	<2	2	14
CC77326		<10	<1	0.08	10	1.60	727	1	0.02	17	870	34	0.05	<2	2	17
CC77327		<10	<1	0.07	10	0.84	886	<1	0.02	16	1030	131	0.10	5	1	16
CC77328		<10	<1	0.03	<10	7.97	449	<1	0.02	5	640	17	0.05	<2	1	26
CC77329		<10	1	0.06	10	3.01	1325	<1	0.02	16	1530	216	0.08	18	1	23
CC77330		<10	1	0.08	10	0.53	1110	1	0.02	14	890	41	0.08	2	2	18
CC77331		<10	<1	0.05	10	4.51	3670	<1	0.03	16	1110	53	0.07	6	1	25
CC77332		<10	<1	0.07	10	5.99	574	<1	0.03	8	760	15	0.07	<2	1	27
CC77333		<10	<1	0.07	10	0.62	538	<1	0.02	9	1280	17	0.15	<2	1	23
CC77334		<10	1	0.08	20	1.27	489	1	0.02	22	690	25	0.04	<2	3	18
CC77335		<10	1	0.08	10	0.54	1230	<1	0.02	18	1030	33	0.08	<2	2	17
CC77336		<10	<1	0.10	10	0.58	489	<1	0.02	15	970	23	0.10	<2	1	19
CC77337		<10	<1	0.11	10	0.87	760	1	0.02	20	740	43	0.07	<2	3	23
CC77338		<10	<1	0.10	20	1.15	518	1	0.02	34	530	29	0.03	<2	5	21
CC77339		<10	<1	0.11	10	0.57	596	<1	0.02	18	750	23	0.07	<2	2	18
CC77340		<10	<1	0.11	10	1.76	486	1	0.02	24	870	22	0.08	<2	2	22
CC77341		<10	<1	0.13	10	0.67	509	1	0.02	26	1050	23	0.11	<2	2	23
CC77342		<10	1	0.15	10	2.69	594	1	0.03	29	1020	26	0.04	<2	3	42
CC77343		<10	<1	0.12	10	3.05	511	1	0.02	24	900	24	0.03	<2	3	42
CC77344		<10	<1	0.05	<10	8.27	455	<1	0.03	4	870	8	0.07	<2	1	38
CC77345		<10	<1	0.07	10	1.13	1125	<1	0.02	16	1270	20	0.10	<2	1	18
CC77346		<10	<1	0.07	10	3.01	862	<1	0.03	12	1340	19	0.11	<2	1	24
CC77347		<10	<1	0.06	10	6.70	735	<1	0.03	10	730	16	0.05	4	1	35
CC77348		<10	<1	0.07	10	0.55	629	<1	0.02	18	620	20	0.04	<2	3	15
CC77349		<10	<1	0.09	10	0.69	552	<1	0.02	14	580	23	0.06	<2	2	19
CC77350		<10	<1	0.07	10	0.42	489	<1	0.02	14	720	21	0.03	2	3	14

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 8-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10082196

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC77311		<20	0.03	<10	<10	59	<10	218
CC77312		<20	0.02	<10	<10	51	<10	169
CC77313		<20	0.02	<10	<10	33	<10	163
CC77314		<20	0.01	<10	<10	25	<10	230
CC77315		<20	0.02	<10	<10	39	<10	200
CC77316		<20	0.02	<10	<10	25	<10	151
CC77317		<20	0.01	<10	<10	11	<10	378
CC77318		<20	0.03	<10	<10	66	<10	126
CC77319		<20	0.02	<10	<10	24	<10	145
CC77320		<20	0.01	<10	<10	34	<10	151
CC77321		<20	0.04	<10	<10	68	<10	167
CC77322		<20	0.02	<10	<10	50	<10	165
CC77323		<20	0.01	<10	<10	6	<10	88
CC77324		<20	0.01	<10	<10	31	<10	489
CC77325		<20	0.03	<10	<10	50	<10	155
CC77326		<20	0.02	<10	<10	48	<10	158
CC77327		<20	0.02	<10	<10	39	<10	424
CC77328		<20	0.01	<10	<10	13	<10	147
CC77329		<20	0.01	<10	<10	29	<10	723
CC77330		<20	0.03	<10	<10	58	<10	250
CC77331		<20	0.01	<10	<10	38	<10	605
CC77332		<20	0.01	<10	<10	21	<10	179
CC77333		<20	0.01	<10	<10	22	<10	150
CC77334		<20	0.02	<10	<10	49	<10	130
CC77335		<20	0.02	<10	<10	54	<10	165
CC77336		<20	0.01	<10	<10	41	<10	161
CC77337		<20	0.02	<10	<10	56	<10	94
CC77338		<20	0.02	<10	<10	55	<10	125
CC77339		<20	0.02	<10	<10	52	<10	107
CC77340		<20	0.02	<10	<10	42	<10	151
CC77341		<20	0.01	<10	<10	39	<10	181
CC77342		<20	0.02	<10	<10	40	<10	153
CC77343		<20	0.02	<10	<10	35	<10	131
CC77344		<20	0.01	<10	<10	10	<10	143
CC77345		<20	0.02	<10	<10	44	<10	288
CC77346		<20	0.01	<10	<10	28	<10	256
CC77347		<20	0.01	<10	<10	24	<10	204
CC77348		<20	0.03	<10	<10	59	<10	362
CC77349		<20	0.02	<10	<10	58	<10	168
CC77350		<20	0.02	<10	<10	59	<10	278

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10082196

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC77351		0.26	<0.001	<0.2	1.46	18	<10	210	0.5	2	1.92	0.8	8	21	9	2.41
CC77352		0.22	0.005	<0.2	1.89	85	<10	270	0.8	6	0.90	1.4	10	28	15	3.75
CC77353		0.20	0.029	0.8	0.83	152	<10	320	<0.5	40	5.61	1.8	6	13	21	3.33
CC77354		0.24	0.035	0.9	0.76	141	<10	280	<0.5	32	5.43	0.8	8	12	20	3.56
CC77355		0.26	0.029	0.8	0.98	99	<10	290	<0.5	24	4.66	0.6	9	15	13	3.30
CC77356		0.40	0.003	0.3	1.02	15	<10	260	<0.5	<2	3.67	0.7	7	21	22	2.14
CC77357		0.56	0.003	0.3	1.07	21	<10	270	<0.5	<2	7.1	0.6	8	21	25	2.38
CC77358		0.22	0.018	0.3	0.81	15	<10	750	<0.5	<2	2.75	<0.5	5	14	25	1.77
CC77359		0.26	0.005	0.4	0.96	20	<10	360	<0.5	<2	6.15	0.6	7	22	24	2.30
CC77360		0.38	0.001	0.4	0.91	22	<10	190	<0.5	<2	6.03	<0.5	7	18	18	2.41
CC77361		0.18	0.020	0.4	1.13	27	<10	720	0.5	<2	2.84	<0.5	11	16	19	2.37
CC77362		0.36	0.016	0.4	0.67	32	<10	390	<0.5	<2	12.7	0.5	9	16	24	2.12
CC77363		0.30	0.012	0.6	1.08	38	<10	410	<0.5	2	10.5	0.7	10	28	38	3.05
CC77364		0.30	0.012	0.5	0.84	32	<10	320	<0.5	<2	11.9	0.5	8	23	21	2.30
CC77365		0.26	0.001	0.4	0.38	18	<10	120	<0.5	<2	16.0	0.5	5	10	12	0.92
CC77366		0.18	0.002	0.2	0.71	25	<10	190	<0.5	2	10.9	<0.5	4	13	16	1.50
CC77367		0.42	0.020	0.5	0.53	41	<10	180	<0.5	3	14.0	0.5	4	11	12	1.54
CC77368		0.26	<0.001	0.4	1.12	18	<10	250	0.6	<2	5.22	<0.5	6	19	11	2.22
CC77369		0.26	0.007	0.5	1.17	23	<10	930	0.5	2	4.51	0.7	8	23	18	2.61
CC77370		0.20	0.002	<0.2	3.52	7	<10	290	0.5	<2	1.98	<0.5	26	109	33	5.45
CC77371		0.18	0.020	0.5	1.30	18	<10	610	<0.5	<2	1.64	<0.5	10	29	16	2.79
CC77372		0.18	NSS	0.5	0.89	21	<10	540	<0.5	<2	4.38	1.4	7	20	22	1.97
CC77373		0.24	0.005	0.2	0.34	8	<10	210	<0.5	<2	15.2	0.6	2	7	6	0.61
CC77374		0.26	0.016	0.4	0.94	29	<10	350	<0.5	<2	5.90	1.0	13	21	33	3.23
CC77375		0.26	<0.001	0.2	0.94	33	<10	240	<0.5	<2	10.8	0.9	6	16	13	1.95
CC77376		0.42	0.011	0.4	0.95	39	<10	160	<0.5	2	8.2	1.0	9	20	34	2.58
CC77377		0.42	0.008	0.7	1.70	44	<10	310	0.7	<2	3.67	1.1	12	34	33	3.63
CC77378		0.32	0.001	0.3	1.84	24	<10	280	0.7	<2	2.97	1.3	10	31	19	3.01
CC77379		0.24	<0.001	0.2	1.86	14	<10	180	0.7	<2	2.12	1.0	8	34	14	2.81
CC77380		0.28	0.001	0.4	1.54	22	<10	230	0.6	<2	5.65	1.3	8	26	15	2.64
CC77381		0.32	<0.001	<0.2	1.93	26	<10	170	0.8	<2	1.90	0.8	9	33	17	3.34
CC77382		0.24	0.010	0.4	0.99	26	<10	200	<0.5	2	6.63	0.5	8	18	21	2.46
CC77383		0.32	0.010	0.6	1.11	44	<10	310	0.5	2	4.04	1.0	8	19	20	2.73
CC77384		0.26	0.010	0.7	1.21	45	<10	270	0.5	<2	5.57	0.8	7	21	22	2.58
CC77385		0.40	0.006	0.7	0.48	43	<10	180	<0.5	5	13.0	1.3	2	8	11	1.34
CC77386		0.36	0.010	0.5	1.66	34	<10	320	0.7	<2	2.27	0.9	9	28	21	2.95
CC77387		0.26	0.011	0.5	1.07	43	<10	350	0.5	2	5.66	0.6	5	19	23	2.16
CC77388		0.26	0.001	0.4	1.29	26	<10	260	0.5	<2	2.05	0.5	7	22	15	2.56
CC77389		0.26	0.011	0.6	1.45	27	<10	390	0.6	<2	2.09	0.5	8	25	28	2.85
CC77390		0.32	0.007	<0.2	2.18	25	<10	260	0.8	<2	1.30	1.1	9	33	19	3.41

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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC77351		<10	1	0.05	10	0.86	650	<1	0.02	12	530	18	0.06	<2	2	15
CC77352		<10	<1	0.08	20	0.65	1245	1	0.02	23	560	38	0.04	2	3	15
CC77353		<10	<1	0.08	10	2.97	1730	<1	0.01	19	1310	42	0.10	<2	1	22
CC77354		<10	<1	0.09	10	2.79	1240	<1	0.02	18	1660	38	0.09	<2	1	28
CC77355		<10	<1	0.11	10	2.45	982	<1	0.02	12	1640	34	0.09	<2	2	29
CC77356		<10	<1	0.09	10	2.38	510	<1	0.03	21	930	26	0.01	<2	3	36
CC77357		<10	<1	0.13	10	3.71	558	1	0.02	24	950	25	0.01	<2	3	62
CC77358		<10	<1	0.13	10	0.59	286	<1	0.02	18	950	19	0.14	<2	1	27
CC77359		<10	<1	0.09	10	3.35	488	1	0.02	20	1050	20	0.08	<2	2	42
CC77360		<10	<1	0.15	10	3.70	396	1	0.02	21	980	22	0.04	<2	2	39
CC77361		<10	<1	0.14	10	0.98	401	1	0.02	24	750	43	0.08	<2	2	25
CC77362		<10	<1	0.08	10	7.75	420	1	0.02	26	970	37	0.04	<2	2	61
CC77363		<10	<1	0.15	10	6.59	407	2	0.02	34	1230	32	0.06	<2	3	55
CC77364		<10	1	0.09	10	7.26	447	2	0.02	25	1030	23	0.05	<2	2	56
CC77365		<10	<1	0.03	10	9.54	630	4	0.02	17	690	12	0.07	<2	1	65
CC77366		<10	1	0.06	10	6.10	843	6	0.02	21	1070	16	0.13	<2	1	42
CC77367		<10	<1	0.05	10	8.52	671	1	0.02	15	670	19	0.03	<2	1	57
CC77368		<10	<1	0.05	10	2.81	794	<1	0.02	16	810	23	0.07	<2	2	29
CC77369		<10	<1	0.08	10	2.34	635	<1	0.03	25	1020	54	0.09	<2	2	28
CC77370		10	<1	0.27	10	3.65	417	<1	0.02	58	1470	5	0.06	<2	9	22
CC77371		<10	<1	0.15	10	0.64	478	<1	0.03	26	1210	26	0.08	<2	3	27
CC77372		<10	<1	0.09	10	1.82	841	<1	0.03	16	1120	37	0.15	<2	2	28
CC77373		<10	<1	0.03	<10	9.06	396	<1	0.03	6	630	7	0.07	<2	1	55
CC77374		<10	<1	0.11	10	3.64	394	1	0.02	45	1150	19	0.09	<2	3	35
CC77375		<10	<1	0.06	10	6.12	567	18	0.02	28	1170	24	0.09	<2	1	48
CC77376		<10	<1	0.10	10	5.16	563	1	0.02	26	1080	27	0.04	<2	2	49
CC77377		10	1	0.11	20	2.61	987	1	0.02	37	950	37	0.04	<2	4	28
CC77378		<10	<1	0.09	20	1.85	741	3	0.02	28	980	25	0.05	<2	3	23
CC77379		10	<1	0.09	10	1.15	901	<1	0.02	17	900	20	0.06	<2	2	19
CC77380		<10	<1	0.09	10	3.42	1690	1	0.03	16	950	24	0.08	<2	2	27
CC77381		10	<1	0.09	10	1.17	960	1	0.02	23	570	30	0.05	<2	3	15
CC77382		<10	<1	0.14	10	4.19	603	1	0.02	19	800	23	0.06	<2	2	40
CC77383		<10	<1	0.15	10	2.26	861	1	0.02	20	680	32	0.05	<2	2	27
CC77384		<10	<1	0.12	10	3.55	656	1	0.02	24	970	39	0.04	<2	2	32
CC77385		<10	<1	0.05	<10	7.87	1140	<1	0.02	9	640	168	0.05	<2	1	47
CC77386		<10	<1	0.10	10	1.51	615	<1	0.02	25	690	47	0.03	<2	3	16
CC77387		<10	<1	0.09	10	3.19	465	<1	0.02	17	1220	31	0.10	<2	1	33
CC77388		<10	<1	0.08	10	0.85	571	1	0.01	20	1070	25	0.07	<2	2	22
CC77389		<10	<1	0.11	10	0.73	653	1	0.02	27	1000	27	0.07	<2	2	26
CC77390		10	1	0.10	10	0.80	549	2	0.01	31	430	40	0.03	<2	3	15

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 8-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10082196

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC77351		<20	0.02	<10	<10	48	<10	189
CC77352		<20	0.02	<10	<10	70	<10	293
CC77353		<20	0.01	<10	<10	56	<10	495
CC77354		<20	0.01	<10	<10	44	<10	501
CC77355		<20	0.01	<10	<10	42	<10	410
CC77356		<20	0.04	<10	<10	38	<10	134
CC77357		<20	0.03	<10	<10	37	<10	142
CC77358		<20	0.01	<10	<10	26	<10	111
CC77359		<20	0.01	<10	<10	35	<10	102
CC77360		<20	0.02	<10	<10	31	<10	113
CC77361		<20	0.01	<10	<10	38	<10	173
CC77362		<20	0.01	<10	<10	42	<10	215
CC77363		<20	0.03	<10	<10	44	<10	215
CC77364		<20	0.02	<10	<10	40	<10	162
CC77365		<20	0.01	<10	<10	28	<10	107
CC77366		<20	0.01	<10	10	76	<10	114
CC77367		<20	0.01	<10	<10	46	<10	121
CC77368		<20	0.01	<10	<10	48	<10	85
CC77369		<20	0.02	<10	<10	45	<10	160
CC77370		<20	0.16	<10	<10	111	<10	143
CC77371		<20	0.02	<10	<10	51	<10	187
CC77372		<20	0.02	<10	10	34	<10	340
CC77373		<20	0.01	<10	<10	16	<10	145
CC77374		<20	0.02	<10	<10	39	<10	360
CC77375		<20	0.01	<10	10	52	<10	135
CC77376		<20	0.02	<10	<10	38	<10	266
CC77377		<20	0.02	<10	<10	54	<10	267
CC77378		<20	0.03	<10	<10	75	<10	190
CC77379		<20	0.03	<10	<10	123	<10	204
CC77380		<20	0.02	<10	<10	64	<10	207
CC77381		<20	0.03	<10	<10	98	<10	172
CC77382		<20	0.01	<10	<10	39	<10	124
CC77383		<20	0.01	<10	<10	42	<10	192
CC77384		<20	0.01	<10	<10	45	<10	209
CC77385		<20	0.01	<10	<10	31	<10	296
CC77386		<20	0.02	<10	<10	63	<10	193
CC77387		<20	0.01	<10	<10	43	<10	223
CC77388		<20	0.02	<10	<10	45	<10	142
CC77389		<20	0.01	<10	<10	50	<10	134
CC77390		<20	0.02	<10	<10	78	<10	262

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10082196

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC77391		0.34	0.008	0.2	0.86	26	<10	210	<0.5	<2	6.28	0.5	6	15	21	2.31
CC77392		0.32	0.005	0.3	1.71	31	<10	220	0.7	<2	4.49	0.5	9	30	22	3.09
CC77393		0.22	0.003	0.5	1.82	47	<10	470	0.8	<2	0.70	<0.5	12	37	24	4.15
CC77394		0.46	0.008	0.2	1.11	30	<10	220	0.5	<2	7.5	<0.5	6	21	18	2.45
CC77395		0.32	0.002	0.3	1.43	22	<10	230	0.5	<2	5.60	<0.5	7	26	17	2.48
CC77396		0.28	0.002	0.3	2.17	24	<10	290	0.8	<2	0.58	<0.5	9	36	10	3.40
CC77397		0.34	0.012	0.2	1.19	41	<10	190	0.5	<2	4.79	<0.5	8	23	22	2.86
CC77398		0.44	0.005	0.2	1.27	22	<10	190	0.5	<2	6.60	<0.5	7	23	18	2.34
CC77399		0.28	0.001	<0.2	1.90	22	<10	220	0.6	<2	0.95	<0.5	9	31	11	3.48
CC77400		0.12	<0.001	<0.2	1.69	21	<10	270	0.6	<2	0.95	3.6	9	25	16	2.94
CC77401		0.10	0.002	0.3	1.45	17	<10	400	0.5	<2	1.73	1.5	7	22	13	2.61
CC77402		0.22	<0.001	0.4	1.52	25	<10	260	0.7	<2	2.06	1.1	10	27	23	3.38
CC77403		0.22	0.002	0.3	1.09	22	<10	210	0.5	<2	5.88	1.4	7	19	22	2.20
CC77404		0.16	<0.001	0.6	1.80	24	<10	470	0.8	<2	1.46	1.4	12	30	31	3.44
CC77405		0.14	0.001	0.5	1.55	25	<10	350	0.7	<2	2.45	1.5	10	28	30	3.11
CC77406		0.20	0.002	0.4	1.37	26	<10	360	0.6	<2	3.72	1.8	10	24	28	3.02
CC77407		0.22	<0.001	0.6	1.53	29	<10	260	0.8	<2	2.00	1.4	10	28	24	3.55
CC77408		0.18	0.003	0.4	1.26	26	<10	260	0.5	<2	5.75	1.4	7	22	28	2.61
CC77409		0.16	0.005	0.3	1.18	23	<10	340	0.5	<2	1.34	1.3	8	23	19	2.83
CC77410		0.16	0.013	0.4	1.30	34	<10	330	0.6	<2	1.53	1.2	11	25	26	3.06
CC77411		0.16	0.020	0.5	1.24	52	<10	280	0.6	2	1.56	0.9	10	25	29	3.27
CC77412		0.16	0.012	0.4	1.24	29	<10	380	0.6	<2	1.79	1.0	8	25	26	2.79
CC77413		0.16	0.019	0.5	1.22	22	<10	550	0.5	<2	2.79	1.5	11	28	26	3.33
CC77414		0.12	0.005	<0.2	1.47	19	<10	640	0.6	<2	1.62	1.4	10	25	18	3.02
CC77415		0.12	0.007	<0.2	1.26	9	<10	220	<0.5	<2	6.56	1.1	5	18	8	2.05
CC77416		0.16	0.005	0.2	1.25	17	<10	530	0.5	<2	2.60	1.0	7	27	23	2.69
CC77417		0.28	0.002	0.2	1.07	16	<10	250	0.5	<2	4.91	0.9	8	21	26	2.83
CC77418		0.20	0.003	0.2	1.09	14	<10	320	0.5	<2	5.93	1.0	7	21	24	2.67
CC77419		0.14	0.001	<0.2	2.91	10	<10	370	<0.5	<2	1.70	0.5	26	135	39	5.59
CC77420		0.16	0.004	0.2	1.50	27	<10	1490	0.6	<2	3.51	1.5	10	30	17	3.15
CC77421		0.14	0.001	<0.2	2.03	16	<10	210	0.6	<2	2.87	1.3	12	66	20	3.32
CC77422		0.20	0.001	<0.2	3.85	8	<10	260	0.5	<2	1.66	<0.5	29	201	50	6.08
CC77423		0.20	0.001	0.2	2.57	12	<10	230	0.5	<2	2.03	<0.5	17	116	33	4.36
CC77424		0.24	0.005	<0.2	0.64	15	<10	90	<0.5	<2	17.7	<0.5	6	22	13	2.13
CC77425		0.24	0.001	<0.2	0.68	9	<10	220	<0.5	<2	14.3	<0.5	24	26	64	5.87
CC77426		0.24	0.001	<0.2	0.58	8	<10	60	<0.5	<2	21.7	<0.5	7	9	17	1.96
CC77427		0.26	<0.001	<0.2	3.23	4	<10	200	0.5	<2	9.3	<0.5	31	163	69	5.27
CC77428		0.20	0.001	0.2	0.95	13	<10	250	0.6	<2	9.5	0.9	9	19	20	2.55
CC77429		0.22	<0.001	<0.2	1.04	14	<10	130	0.6	<2	9.4	0.6	8	18	18	2.38

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Project: RAU

CERTIFICATE OF ANALYSIS VA10082196

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC77391		<10	<1	0.18	20	3.95	509	<1	0.02	21	770	26	0.04	<2	2	39
CC77392		<10	<1	0.10	10	2.86	686	1	0.02	30	800	29	0.04	<2	3	27
CC77393		<10	<1	0.13	20	0.61	1170	3	0.02	45	710	42	0.02	<2	3	19
CC77394		10	<1	0.09	10	4.57	712	1	0.02	25	940	23	0.02	<2	2	41
CC77395		10	<1	0.06	10	3.29	765	<1	0.02	19	900	21	0.04	<2	2	27
CC77396		10	<1	0.07	20	0.63	350	<1	0.02	23	540	20	0.02	<2	4	17
CC77397		<10	<1	0.09	10	2.98	711	1	0.02	30	690	23	0.02	<2	3	37
CC77398		<10	<1	0.07	10	4.05	477	<1	0.01	24	1280	17	0.03	<2	3	37
CC77399		10	<1	0.07	10	0.77	305	1	0.01	24	330	24	0.01	<2	3	14
CC77400		10	<1	0.13	10	0.50	1230	1	0.02	20	710	50	0.05	<2	3	17
CC77401		<10	<1	0.15	10	0.72	1025	1	0.02	17	810	45	0.07	<2	2	20
CC77402		<10	<1	0.15	20	1.39	917	2	0.02	36	690	65	0.02	<2	3	24
CC77403		<10	<1	0.11	10	3.76	728	<1	0.02	24	900	54	0.04	<2	2	30
CC77404		10	<1	0.16	20	0.83	1095	1	0.02	39	1100	62	0.07	<2	2	22
CC77405		10	<1	0.17	10	1.44	985	1	0.02	38	1030	56	0.06	<2	2	28
CC77406		10	<1	0.15	10	2.25	976	1	0.02	36	980	57	0.05	<2	2	30
CC77407		<10	<1	0.16	20	1.32	949	2	0.01	40	850	68	0.03	<2	3	24
CC77408		<10	<1	0.17	10	3.64	671	1	0.02	31	940	56	0.04	<2	2	36
CC77409		<10	<1	0.14	10	0.50	632	<1	0.02	25	840	54	0.09	<2	2	21
CC77410		<10	<1	0.15	20	0.89	724	1	0.02	32	1110	61	0.06	<2	3	25
CC77411		<10	<1	0.18	20	0.97	628	1	0.02	30	780	81	0.05	<2	3	22
CC77412		<10	<1	0.15	10	0.82	733	<1	0.02	26	1060	67	0.08	<2	2	23
CC77413		<10	<1	0.13	10	1.22	762	1	0.02	35	1050	118	0.09	<2	2	28
CC77414		10	<1	0.13	10	0.75	1165	4	0.03	26	650	73	0.07	<2	3	20
CC77415		<10	<1	0.09	10	3.84	696	<1	0.02	12	840	38	0.07	<2	2	29
CC77416		<10	1	0.11	10	1.07	701	1	0.02	25	940	40	0.09	<2	2	30
CC77417		<10	<1	0.13	10	3.00	556	1	0.02	26	970	42	0.03	<2	3	42
CC77418		<10	<1	0.14	10	3.63	696	1	0.02	24	1020	41	0.05	<2	2	44
CC77419		10	<1	0.19	10	2.67	719	<1	0.02	98	490	27	0.07	<2	7	22
CC77420		10	1	0.09	10	1.49	1930	1	0.03	34	930	153	0.08	<2	3	30
CC77421		10	<1	0.12	10	2.28	725	<1	0.02	45	550	35	0.04	<2	4	22
CC77422		10	1	0.10	10	4.81	628	<1	0.02	135	530	25	0.04	<2	8	19
CC77423		10	<1	0.15	10	2.68	460	<1	0.02	75	630	22	0.04	<2	6	25
CC77424		<10	<1	0.10	10	1.00	463	2	0.01	28	290	13	0.03	<2	3	154
CC77425		<10	<1	0.33	10	0.76	271	<1	0.01	85	660	8	0.31	<2	2	95
CC77426		<10	<1	0.19	10	1.23	591	<1	0.01	26	220	20	<0.01	<2	2	288
CC77427		10	<1	1.08	20	3.19	1210	<1	0.01	105	1270	41	0.01	<2	12	80
CC77428		<10	<1	0.22	10	5.47	743	1	0.02	31	530	44	0.04	<2	2	55
CC77429		<10	<1	0.17	10	5.63	699	1	0.03	24	780	30	0.07	<2	2	62

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Account: RCM

CERTIFICATE OF ANALYSIS VA10082196

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC77391		<20	0.01	<10	<10	30	<10	104
CC77392		<20	0.02	<10	<10	70	<10	129
CC77393		<20	0.02	<10	<10	71	<10	168
CC77394		<20	0.02	<10	<10	43	<10	107
CC77395		<20	0.02	<10	<10	70	<10	79
CC77396		<20	0.03	<10	<10	70	<10	101
CC77397		<20	0.03	<10	<10	44	<10	128
CC77398		<20	0.02	<10	<10	57	<10	81
CC77399		<20	0.03	<10	<10	78	<10	145
CC77400		<20	0.02	<10	<10	56	<10	404
CC77401		<20	0.02	<10	<10	48	<10	270
CC77402		<20	0.01	<10	<10	46	<10	281
CC77403		<20	0.02	<10	<10	35	<10	290
CC77404		<20	0.01	<10	<10	53	<10	320
CC77405		<20	0.02	<10	<10	49	<10	311
CC77406		<20	0.01	<10	<10	44	<10	330
CC77407		<20	0.01	<10	<10	49	<10	311
CC77408		<20	0.02	<10	<10	39	<10	343
CC77409		<20	0.02	<10	<10	39	<10	278
CC77410		<20	0.02	<10	<10	43	<10	344
CC77411		<20	0.02	<10	<10	45	<10	454
CC77412		<20	0.02	<10	<10	43	<10	315
CC77413		<20	0.02	<10	<10	45	<10	488
CC77414		<20	0.02	<10	<10	57	<10	276
CC77415		<20	0.02	<10	<10	41	<10	227
CC77416		<20	0.02	<10	<10	38	<10	181
CC77417		<20	0.02	<10	<10	34	<10	202
CC77418		<20	0.02	<10	<10	33	<10	196
CC77419		<20	0.08	<10	<10	72	<10	219
CC77420		<20	0.02	<10	<10	57	<10	985
CC77421		<20	0.04	<10	<10	62	<10	169
CC77422		<20	0.11	<10	<10	98	<10	118
CC77423		<20	0.09	<10	<10	71	<10	109
CC77424		<20	0.02	<10	<10	16	<10	54
CC77425		<20	0.02	<10	<10	16	<10	92
CC77426		<20	0.02	<10	<10	6	<10	92
CC77427		<20	0.11	<10	<10	82	<10	204
CC77428		<20	0.01	<10	<10	25	<10	204
CC77429		<20	0.02	<10	<10	28	<10	155

***** See Appendix Page for comments regarding this certificate *****

ALS Chemex
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ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 8-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10082196

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non-sufficient sample.

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 6-JUL-2010
Account: RCM

CERTIFICATE VA10082197

Project: RAU

P.O. No.: Rau Trend Infill

This report is for 285 Soil samples submitted to our lab in Vancouver, BC, Canada on 21-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-31	Pulverize split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
PUL-QC	Pulverizing QC Test
SCR-43	Screen to -500um, discard plus
SCR-01	Screen - Save plus fraction

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Project: RAU

Finalized Date: 6-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10082197

Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Sample Description Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC76903	0.16	0.011	0.4	1.09	19	<10	420	<0.5	<2	4.59	0.9	8	23	31	2.07
CC76904	0.18	0.005	0.5	0.81	18	<10	300	<0.5	<2	9.6	0.7	5	18	22	1.57
CC76905	0.12	0.013	0.5	0.97	20	<10	430	<0.5	<2	6.24	1.0	7	21	27	1.91
CC76906	0.14	0.003	0.3	0.77	14	<10	370	<0.5	<2	7.4	1.2	5	16	24	1.60
CC76907	0.20	0.002	0.5	1.22	25	<10	410	<0.5	<2	5.28	0.9	7	23	31	2.33
CC76908	0.26	0.003	0.5	0.82	22	<10	650	<0.5	<2	8.4	0.9	6	15	20	1.79
CC76909	0.10	0.001	0.4	1.18	13	<10	260	<0.5	<2	5.77	0.7	7	18	17	2.05
CC76910	0.20	0.003	0.4	0.92	18	<10	190	<0.5	<2	8.5	0.6	7	21	26	1.89
CC76911	0.22	0.002	0.4	1.30	22	<10	250	0.5	<2	5.53	0.8	8	24	21	2.32
CC76912	0.14	0.006	0.7	1.23	19	<10	480	0.5	<2	3.46	0.7	8	22	25	2.33
CC76913	0.16	0.001	0.6	1.46	23	<10	270	0.5	<2	1.78	0.6	8	23	18	2.74
CC76914	0.14	0.003	0.7	0.31	25	<10	660	<0.5	<2	14.5	1.6	2	4	10	1.27
CC76915	0.12	0.005	<0.2	0.07	6	<10	960	<0.5	<2	17.6	0.5	2	2	4	0.44
CC76916	0.12	0.001	0.2	1.61	11	<10	190	0.6	<2	3.25	0.7	6	21	8	2.24
CC76917	0.14	0.002	0.2	0.93	43	<10	210	<0.5	<2	8.8	0.8	4	12	10	1.80
CC76918	0.10	0.004	<0.2	1.68	10	<10	290	0.5	<2	1.55	0.5	6	24	11	2.43
CC76919	0.22	<0.001	0.3	1.10	18	<10	130	<0.5	<2	8.0	<0.5	5	17	11	1.82
CC76920	0.20	<0.001	0.2	1.79	12	<10	400	0.5	<2	0.67	<0.5	9	27	10	2.76
CC76921	0.10	<0.001	0.3	1.55	10	<10	540	0.6	<2	2.15	1.3	10	21	19	2.20
CC76922	0.30	0.001	0.2	1.23	18	<10	280	0.5	<2	6.55	<0.5	7	20	20	2.24
CC76923	0.08	<0.001	0.2	1.08	7	<10	290	<0.5	<2	3.19	0.6	5	18	15	1.72
CC76924	0.26	<0.001	0.4	1.65	16	<10	190	0.7	<2	1.20	0.7	9	29	21	3.07
CC76925	0.24	0.002	0.4	0.97	19	<10	190	<0.5	<2	10.1	0.8	6	17	21	1.85
CC76926	0.20	0.001	0.3	2.03	12	<10	330	0.6	<2	0.58	<0.5	6	30	11	2.63
CC76927	0.16	0.001	0.4	1.50	13	<10	260	0.6	<2	1.52	0.5	9	24	22	2.88
CC76928	0.20	0.001	0.2	0.41	12	<10	190	<0.5	<2	17.0	<0.5	2	8	8	0.98
CC76929	0.34	<0.001	<0.2	0.30	4	<10	40	<0.5	<2	17.5	<0.5	1	6	5	0.47
CC76930	0.10	<0.001	0.2	1.46	14	<10	210	0.5	<2	1.62	<0.5	9	26	18	2.71
CC76931	0.22	<0.001	0.2	0.30	7	<10	60	<0.5	<2	17.8	<0.5	2	6	3	0.52
CC76932	0.36	0.001	0.2	0.96	10	<10	110	<0.5	<2	9.9	<0.5	6	15	14	1.98
CC76933	0.12	0.021	1.4	1.30	44	<10	390	0.5	<2	3.61	1.9	8	25	48	2.54
CC76934	0.12	0.010	0.8	1.10	19	<10	320	<0.5	<2	5.45	1.0	6	21	30	1.82
CC76935	0.22	0.005	0.4	0.81	21	<10	200	<0.5	<2	8.5	0.8	4	16	22	1.76
CC76936	0.22	0.005	0.6	0.84	33	<10	240	<0.5	<2	8.9	1.0	5	16	28	1.95
CC76937	0.24	0.022	0.6	0.89	32	<10	250	<0.5	<2	6.33	0.8	6	17	27	2.03
CC76938	0.14	0.007	0.8	0.68	32	<10	370	<0.5	<2	9.3	0.9	5	14	22	1.66
CC76939	0.16	0.008	0.6	1.10	30	<10	270	<0.5	<2	4.66	1.1	7	21	31	2.46
CC76940	0.12	0.002	0.3	1.46	14	<10	230	0.6	<2	3.87	1.0	10	22	23	3.12
CC76941	0.14	<0.001	0.2	2.10	14	<10	230	0.7	<2	0.71	<0.5	10	31	16	3.17
CC76942	0.12	0.002	0.2	1.83	13	<10	230	0.6	<2	0.40	<0.5	9	28	11	2.91

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Project: RAU

CERTIFICATE OF ANALYSIS VA10082197

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC76903		<10	<1	0.11	10	2.36	597	1	0.03	25	820	27	0.07	4	2	34
CC76904		<10	<1	0.12	10	5.62	283	1	0.03	20	650	23	0.01	5	2	47
CC76905		<10	<1	0.12	10	3.49	588	1	0.03	23	830	23	0.05	5	2	40
CC76906		<10	<1	0.09	10	4.26	461	1	0.03	19	730	22	0.04	3	1	39
CC76907		<10	<1	0.11	10	3.35	643	1	0.03	24	810	29	0.02	4	2	28
CC76908		<10	<1	0.08	10	5.33	558	1	0.03	18	720	32	0.03	5	2	40
CC76909		<10	<1	0.06	10	3.39	1035	1	0.03	15	830	36	0.04	5	2	24
CC76910		<10	<1	0.11	10	5.42	544	1	0.02	23	770	25	0.01	6	2	45
CC76911		<10	<1	0.10	10	3.47	538	1	0.02	26	590	36	0.02	5	2	31
CC76912		<10	<1	0.10	10	1.54	609	1	0.03	23	930	30	0.05	2	2	27
CC76913		<10	<1	0.07	10	0.73	512	1	0.02	17	720	39	0.05	2	2	14
CC76914		<10	<1	0.02	10	8.75	2100	2	0.03	7	620	55	0.04	6	1	55
CC76915		<10	<1	0.01	<10	10.35	656	1	0.02	3	270	21	<0.01	4	<1	39
CC76916		<10	<1	0.05	10	1.58	653	<1	0.03	14	370	22	0.03	3	3	17
CC76917		<10	<1	0.05	10	5.31	1585	1	0.03	12	950	35	0.04	7	1	33
CC76918		<10	<1	0.05	10	0.71	289	1	0.02	16	490	21	0.04	4	3	15
CC76919		<10	1	0.05	30	5.11	380	1	0.02	16	660	19	0.01	3	2	25
CC76920		10	<1	0.05	10	0.62	513	1	0.02	18	250	19	<0.01	2	3	11
CC76921		<10	<1	0.05	10	0.50	1250	1	0.03	18	940	19	0.05	<2	2	27
CC76922		<10	<1	0.09	10	4.53	561	1	0.01	23	910	32	0.03	<2	2	27
CC76923		<10	<1	0.07	10	0.72	340	<1	0.02	12	900	17	0.11	<2	1	21
CC76924		10	<1	0.07	10	0.74	636	<1	0.01	24	890	27	0.06	<2	2	16
CC76925		<10	<1	0.12	10	6.18	643	<1	0.02	19	670	42	0.02	<2	2	41
CC76926		10	<1	0.07	20	0.51	272	<1	0.01	16	390	23	0.02	<2	4	14
CC76927		<10	<1	0.08	10	0.55	984	<1	0.02	20	1090	28	0.09	<2	2	21
CC76928		<10	<1	0.03	<10	10.60	1380	<1	0.01	7	580	28	<0.01	<2	1	86
CC76929		<10	<1	0.02	<10	10.95	264	<1	<0.01	4	670	12	<0.01	<2	1	66
CC76930		<10	1	0.08	10	0.72	785	1	0.01	20	790	26	0.06	<2	3	25
CC76931		<10	<1	0.02	<10	11.10	436	<1	<0.01	2	410	6	<0.01	<2	<1	91
CC76932		<10	<1	0.08	10	6.21	528	<1	0.01	14	620	35	0.02	<2	2	50
CC76933		<10	<1	0.13	10	2.18	384	<1	0.03	25	1080	73	0.06	2	3	34
CC76934		<10	<1	0.12	10	3.24	487	<1	0.02	19	1010	47	0.10	<2	2	37
CC76935		<10	1	0.09	10	5.23	370	<1	0.01	15	800	40	0.03	<2	2	38
CC76936		<10	<1	0.10	10	5.51	507	<1	0.02	16	850	60	0.04	<2	2	39
CC76937		<10	<1	0.09	10	4.35	565	<1	0.01	19	870	40	0.04	<2	2	36
CC76938		<10	<1	0.11	10	5.62	365	<1	0.02	13	750	40	0.05	<2	1	40
CC76939		<10	1	0.13	10	2.90	463	<1	0.02	20	1030	50	0.05	<2	2	34
CC76940		<10	<1	0.14	10	2.32	1105	<1	0.02	24	810	35	0.05	<2	3	30
CC76941		10	<1	0.09	10	0.56	703	<1	0.01	23	460	32	0.03	<2	4	15
CC76942		<10	<1	0.10	10	0.44	543	<1	0.01	21	460	23	0.01	<2	4	16

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Project: RAU

Finalized Date: 6-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10082197

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC76903		<20	0.01	<10	<10	31	<10	171
CC76904		<20	0.01	<10	<10	25	<10	164
CC76905		<20	0.01	<10	<10	28	<10	191
CC76906		<20	0.01	<10	<10	23	<10	157
CC76907		<20	0.02	<10	<10	35	<10	220
CC76908		<20	0.01	<10	<10	25	<10	200
CC76909		<20	0.02	<10	<10	34	<10	273
CC76910		<20	0.01	<10	<10	29	<10	108
CC76911		<20	0.01	<10	<10	36	<10	152
CC76912		<20	0.01	<10	<10	33	<10	174
CC76913		<20	0.02	<10	<10	46	<10	343
CC76914		<20	0.01	<10	<10	11	<10	382
CC76915		<20	<0.01	<10	<10	3	<10	92
CC76916		<20	0.03	<10	<10	46	<10	54
CC76917		<20	0.01	<10	<10	24	<10	180
CC76918		<20	0.02	<10	<10	51	<10	122
CC76919		<20	0.02	<10	<10	30	<10	76
CC76920		<20	0.03	<10	<10	62	<10	121
CC76921		<20	0.02	<10	<10	45	<10	114
CC76922		<20	0.02	<10	<10	35	<10	93
CC76923		<20	0.02	<10	<10	32	<10	95
CC76924		<20	0.02	<10	<10	49	<10	140
CC76925		<20	0.02	<10	<10	29	<10	149
CC76926		<20	0.03	<10	<10	66	<10	77
CC76927		<20	0.02	<10	<10	44	<10	85
CC76928		<20	0.01	<10	<10	13	<10	133
CC76929		<20	0.01	<10	<10	10	<10	85
CC76930		<20	0.02	<10	<10	44	<10	96
CC76931		<20	0.01	<10	<10	11	<10	56
CC76932		<20	0.02	<10	<10	27	<10	98
CC76933		<20	0.02	<10	<10	40	<10	290
CC76934		<20	0.02	<10	<10	30	<10	236
CC76935		<20	0.02	<10	<10	28	<10	186
CC76936		<20	0.02	<10	<10	28	<10	238
CC76937		<20	0.02	<10	<10	29	<10	181
CC76938		<20	0.01	<10	<10	24	<10	292
CC76939		<20	0.02	<10	<10	34	<10	264
CC76940		<20	0.02	<10	<10	45	<10	191
CC76941		<20	0.03	<10	<10	68	<10	140
CC76942		<20	0.03	<10	<10	57	<10	95

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10082197

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC76943		0.22	0.001	0.2	1.88	15	<10	250	0.7	<2	2.26	<0.5	9	28	17	2.91
CC76944		0.18	0.005	0.7	1.15	19	<10	360	<0.5	<2	5.82	3.3	7	26	27	2.08
CC76945		0.30	0.002	0.4	1.41	17	<10	320	0.5	<2	6.22	0.7	7	27	30	2.32
CC76946		0.10	NSS	0.4	1.24	14	<10	500	0.5	<2	3.10	0.5	8	26	24	2.29
CC76947		0.26	0.004	0.4	1.35	21	<10	370	<0.5	<2	7.3	0.7	8	31	29	2.39
CC76948		0.30	0.004	0.5	1.31	25	<10	350	<0.5	<2	7.9	0.7	8	28	37	2.34
CC76949		0.28	0.004	0.4	1.20	23	<10	280	<0.5	<2	9.4	1.1	8	27	34	2.15
CC76950		0.14	0.005	0.5	1.31	29	<10	510	0.5	<2	4.76	1.1	9	27	41	2.81
CC76951		0.10	0.017	0.5	1.17	17	<10	580	<0.5	<2	4.87	1.2	7	24	34	2.17
CC76952		0.34	0.003	0.4	0.91	25	<10	400	<0.5	<2	10.4	0.8	6	19	26	1.78
CC76953		0.32	0.005	0.5	1.10	32	<10	310	<0.5	<2	9.2	0.8	7	22	28	2.14
CC76954		0.44	0.003	0.5	0.86	23	<10	380	<0.5	<2	12.0	0.8	6	19	24	1.66
CC76955		0.30	0.004	0.4	1.14	19	<10	280	<0.5	<2	5.87	0.6	8	22	28	2.36
CC76956		0.32	0.004	0.2	1.07	18	<10	260	<0.5	<2	10.8	0.7	7	21	26	2.06
CC76957		0.36	0.003	0.2	0.90	15	<10	140	<0.5	<2	8.0	0.5	7	17	26	2.15
CC76958		0.20	0.005	0.5	0.90	15	<10	300	<0.5	<2	5.39	0.7	6	20	20	1.95
CC76959		0.22	0.006	0.5	0.81	33	<10	420	<0.5	2	6.61	2.4	6	19	18	2.35
CC76960		0.36	0.004	0.4	0.99	19	<10	260	<0.5	2	10.1	0.6	6	23	26	1.88
CC76961		0.16	0.007	0.3	1.22	12	<10	450	<0.5	2	5.83	1.0	6	25	34	1.78
CC76962		0.28	0.006	0.5	1.21	18	<10	400	<0.5	2	5.06	0.7	8	26	28	2.20
CC76963		0.28	0.003	0.4	1.29	16	<10	460	0.5	2	3.87	0.7	8	26	26	2.52
CC76964		0.36	0.003	0.3	1.01	16	<10	290	<0.5	<2	5.67	0.6	8	26	24	2.10
CC76965		0.22	0.005	0.3	1.22	19	<10	450	0.5	<2	3.08	0.6	8	23	24	2.46
CC76966		0.38	0.005	0.5	0.91	25	<10	390	<0.5	2	8.2	0.6	6	16	19	1.76
CC76967		0.32	0.004	0.4	1.19	17	<10	450	0.5	<2	3.56	0.9	7	23	24	2.34
CC76968		0.16	NSS	0.4	1.13	15	<10	550	<0.5	2	3.28	1.0	8	23	27	2.17
CC76969		0.20	0.006	0.5	1.20	18	<10	550	<0.5	2	3.27	1.0	8	26	29	2.30
CC76970		0.34	0.004	0.6	1.35	40	<10	430	0.5	<2	2.44	1.1	7	26	16	2.64
CC76971		0.30	0.005	0.7	1.50	26	<10	420	0.6	2	1.70	1.2	9	28	31	2.83
CC76972		0.20	0.010	0.5	1.22	18	<10	610	0.5	2	2.61	0.9	7	21	25	2.24
CC76973		0.22	0.003	0.6	2.35	20	<10	640	0.9	<2	1.40	<0.5	11	35	21	3.12
CC76974		0.34	0.001	0.4	0.91	14	<10	220	<0.5	2	6.30	0.7	6	15	19	2.07
CC76975		0.26	0.009	0.3	1.13	12	<10	530	<0.5	<2	3.52	0.7	6	20	25	2.03
CC76976		0.18	0.024	0.3	1.17	17	<10	450	0.5	2	2.67	0.8	7	20	22	2.35
CC76977		0.28	0.002	0.4	1.19	19	<10	360	0.5	<2	2.51	0.7	8	21	21	2.53
CC76978		0.30	0.003	0.4	1.30	21	<10	330	0.5	<2	2.98	0.8	9	23	23	2.80
CC76979		0.30	0.003	0.3	1.16	18	<10	310	<0.5	<2	3.52	0.6	8	21	22	2.24
CC76980		0.36	0.001	0.2	0.53	10	<10	70	<0.5	3	5.97	<0.5	10	8	26	2.77
CC76981		0.34	0.001	1.8	0.53	67	<10	200	<0.5	2	6.40	0.6	7	10	25	2.89
CC76982		0.44	0.002	0.2	0.76	12	<10	110	<0.5	<2	6.02	<0.5	10	13	28	2.72

***** See Appendix Page for comments regarding this certificate *****

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Project: RAU

CERTIFICATE OF ANALYSIS VA10082197

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC76943		<10	<1	0.09	10	1.59	520	<1	0.01	24	490	30	0.02	<2	4	22
CC76944		<10	1	0.13	10	3.63	482	<1	0.01	23	950	78	0.09	<2	2	41
CC76945		10	<1	0.15	10	4.43	351	<1	0.01	26	890	35	0.03	<2	3	36
CC76946		<10	<1	0.13	10	1.22	518	<1	0.02	26	1040	31	0.12	<2	2	32
CC76947		<10	<1	0.15	10	4.75	395	<1	0.02	29	850	40	0.03	<2	3	40
CC76948		<10	<1	0.16	10	4.97	523	<1	0.02	30	810	32	0.03	<2	3	44
CC76949		<10	<1	0.17	10	5.91	624	1	0.01	31	740	43	0.02	<2	3	48
CC76950		<10	<1	0.14	10	2.83	1125	<1	0.02	34	880	36	0.07	<2	3	34
CC76951		<10	<1	0.14	10	2.50	515	<1	0.02	25	980	31	0.09	<2	2	36
CC76952		<10	<1	0.12	10	6.37	653	<1	0.02	21	700	33	0.03	<2	2	46
CC76953		<10	<1	0.15	10	5.61	627	<1	0.01	24	810	37	0.02	<2	2	47
CC76954		<10	<1	0.13	10	6.79	523	<1	0.01	21	670	30	0.02	<2	2	67
CC76955		<10	<1	0.12	10	4.04	575	1	0.01	27	830	28	0.03	<2	2	38
CC76956		<10	<1	0.15	10	5.94	591	1	0.01	25	740	25	0.02	<2	2	67
CC76957		<10	<1	0.09	10	4.29	533	<1	0.01	22	720	22	0.01	<2	3	62
CC76958		<10	<1	0.11	10	3.24	220	<1	0.03	16	850	29	0.08	2	2	41
CC76959		<10	<1	0.11	10	4.09	494	<1	0.03	14	910	30	0.11	2	2	48
CC76960		<10	<1	0.13	10	6.29	396	<1	0.02	22	710	25	0.01	3	2	47
CC76961		<10	<1	0.13	10	3.52	730	<1	0.03	23	840	30	0.07	3	2	32
CC76962		<10	<1	0.12	10	3.10	424	<1	0.03	26	970	29	0.06	3	2	32
CC76963		<10	<1	0.13	10	1.84	564	<1	0.03	27	930	30	0.09	2	2	31
CC76964		<10	<1	0.09	10	3.67	588	<1	0.03	21	780	28	0.04	3	2	34
CC76965		<10	<1	0.13	10	1.48	628	<1	0.04	21	950	29	0.08	2	2	27
CC76966		<10	<1	0.08	10	4.86	589	<1	0.03	15	840	26	0.06	2	2	31
CC76967		<10	<1	0.10	10	1.95	579	<1	0.03	22	820	33	0.06	2	2	27
CC76968		<10	<1	0.11	10	1.39	569	<1	0.03	24	910	32	0.10	2	2	26
CC76969		<10	<1	0.13	10	1.46	620	<1	0.03	26	930	34	0.09	3	2	28
CC76970		<10	<1	0.11	10	1.54	492	<1	0.02	20	590	77	0.04	2	2	16
CC76971		<10	<1	0.14	10	0.84	529	<1	0.03	28	940	54	0.08	3	3	21
CC76972		<10	<1	0.11	10	0.75	486	<1	0.03	19	830	41	0.10	2	2	22
CC76973		10	<1	0.12	10	0.65	677	<1	0.03	22	820	49	0.06	<2	4	20
CC76974		<10	<1	0.09	10	3.94	623	<1	0.03	15	900	29	0.06	2	1	27
CC76975		<10	<1	0.09	10	1.55	350	<1	0.03	16	990	29	0.10	2	2	26
CC76976		<10	<1	0.10	10	1.08	740	<1	0.03	18	860	34	0.08	2	2	29
CC76977		<10	<1	0.11	10	1.41	656	<1	0.03	20	880	37	0.06	3	2	23
CC76978		<10	<1	0.14	10	1.79	765	<1	0.03	23	670	43	0.05	2	2	22
CC76979		<10	<1	0.09	10	1.89	640	<1	0.03	18	1070	28	0.07	2	2	23
CC76980		<10	<1	0.10	10	3.65	692	<1	0.02	15	630	29	0.02	2	3	86
CC76981		<10	<1	0.09	10	4.04	1890	<1	0.02	14	860	81	0.04	9	2	59
CC76982		<10	<1	0.09	10	3.69	801	<1	0.02	19	700	31	0.02	2	3	65

***** See Appendix Page for comments regarding this certificate *****

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Project: RAU

CERTIFICATE OF ANALYSIS VA10082197

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC76943		<20	0.03	<10	<10	57	<10	109
CC76944		<20	0.02	<10	<10	32	<10	800
CC76945		<20	0.02	<10	<10	42	<10	198
CC76946		<20	0.02	<10	<10	36	<10	156
CC76947		<20	0.02	<10	<10	39	<10	197
CC76948		<20	0.02	<10	<10	38	<10	170
CC76949		<20	0.02	<10	<10	35	<10	192
CC76950		<20	0.02	<10	<10	38	<10	188
CC76951		<20	0.01	<10	<10	30	<10	210
CC76952		<20	0.02	<10	<10	27	<10	197
CC76953		<20	0.02	<10	<10	32	<10	205
CC76954		<20	0.02	<10	<10	26	<10	176
CC76955		<20	0.02	<10	<10	37	<10	145
CC76956		<20	0.02	<10	<10	37	<10	139
CC76957		<20	0.03	<10	<10	34	<10	113
CC76958		<20	0.02	<10	<10	27	<10	253
CC76959		<20	0.01	<10	<10	24	<10	531
CC76960		<20	0.02	<10	<10	29	<10	172
CC76961		<20	0.02	<10	<10	35	<10	215
CC76962		<20	0.02	<10	<10	34	<10	190
CC76963		<20	0.02	<10	<10	34	<10	200
CC76964		<20	0.02	<10	<10	33	<10	141
CC76965		<20	0.02	<10	<10	37	<10	172
CC76966		<20	0.01	<10	<10	26	<10	214
CC76967		<20	0.02	<10	<10	35	<10	160
CC76968		<20	0.01	<10	<10	32	<10	187
CC76969		<20	0.01	<10	<10	33	<10	192
CC76970		<20	0.01	<10	<10	40	<10	634
CC76971		<20	0.02	<10	<10	40	<10	372
CC76972		<20	0.01	<10	<10	31	<10	301
CC76973		<20	0.02	<10	<10	61	<10	218
CC76974		<20	0.01	<10	<10	26	<10	157
CC76975		<20	0.02	<10	<10	30	<10	231
CC76976		<20	0.01	<10	<10	33	<10	191
CC76977		<20	0.02	<10	<10	35	<10	184
CC76978		<20	0.01	<10	<10	38	<10	192
CC76979		<20	0.02	<10	<10	33	<10	184
CC76980		<20	0.01	<10	<10	11	<10	123
CC76981		<20	0.01	<10	<10	14	<10	249
CC76982		<20	0.01	<10	<10	18	<10	144

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Project: RAU

CERTIFICATE OF ANALYSIS VA10082197

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC76983		0.34	0.002	0.3	0.87	15	<10	150	<0.5	2	4.93	0.5	12	14	30	2.86
CC76984		0.30	0.005	0.4	1.29	13	<10	200	0.6	<2	3.76	0.9	8	22	21	2.45
CC76985		0.40	0.002	0.2	0.76	11	<10	140	<0.5	<2	10.7	1.0	5	12	14	1.64
CC76986		0.26	0.001	0.4	1.12	13	<10	200	0.5	<2	5.63	1.0	6	19	21	2.17
CC76987		0.18	<0.001	0.4	1.04	9	<10	220	<0.5	<2	3.17	0.8	6	16	20	1.81
CC76988		0.22	0.001	0.5	1.41	12	<10	240	0.6	2	1.80	0.8	8	24	24	2.41
CC76989		0.28	0.003	0.6	1.58	17	<10	210	0.7	<2	1.71	<0.5	9	30	22	3.05
CC76990		0.34	0.003	0.5	1.25	11	<10	190	0.5	2	5.41	0.5	8	23	26	2.26
CC76991		0.26	0.003	0.3	1.68	16	<10	210	0.7	2	1.14	1.0	10	28	17	3.45
CC76993		0.34	0.003	0.3	1.05	19	<10	130	<0.5	<2	6.48	0.5	8	18	23	2.54
CC76994		0.24	0.003	0.3	1.00	22	<10	130	<0.5	<2	6.57	0.5	7	18	23	2.59
CC76995		0.34	0.005	<0.2	2.02	19	<10	260	0.5	<2	0.17	<0.5	9	31	18	3.67
CC76996		0.18	0.005	<0.2	1.50	17	<10	310	<0.5	<2	1.28	0.5	7	24	14	2.47
CC76997		0.24	0.006	0.3	1.07	21	<10	390	<0.5	<2	4.26	0.7	5	23	16	2.04
CC76998		0.24	0.022	0.5	1.03	19	<10	420	<0.5	<2	4.63	0.9	6	22	23	1.95
CC76999		0.38	0.007	0.3	1.06	19	<10	280	<0.5	<2	9.0	0.7	6	23	27	1.91
CC77000		0.24	0.005	0.5	1.20	45	<10	750	<0.5	<2	5.85	3.1	7	24	31	2.36
CC77001		0.12	0.008	0.3	1.36	27	<10	590	0.5	<2	3.68	1.9	9	28	32	2.54
CC77002		0.24	0.004	0.2	1.22	17	<10	420	0.5	<2	4.56	1.0	8	24	29	2.37
CC77003		0.14	NSS	0.2	1.07	20	<10	570	<0.5	2	2.98	0.5	8	19	19	2.42
CC77004		0.14	NSS	0.3	0.86	18	<10	480	<0.5	<2	4.01	0.5	9	17	181	2.35
CC77005		0.32	0.005	0.4	1.12	24	<10	280	<0.5	<2	8.2	0.9	9	26	158	2.27
CC77006		0.16	0.005	0.3	0.81	16	<10	470	<0.5	<2	4.61	0.9	7	18	59	1.96
CC77007		0.20	0.004	0.3	0.81	19	<10	290	<0.5	<2	7.7	1.0	7	17	92	1.63
CC77008		0.24	0.006	0.5	0.84	16	<10	300	<0.5	<2	7.1	0.6	4	19	30	1.50
CC77009		0.22	0.004	0.3	1.40	23	<10	350	0.5	<2	1.92	0.6	9	27	72	2.87
CC77010		0.24	0.005	<0.2	2.45	23	<10	210	1.1	<2	0.61	1.6	13	34	25	3.46
CC77011		0.48	0.003	<0.2	0.98	20	<10	210	<0.5	<2	10.2	0.6	7	20	65	2.13
CC77012		0.26	0.002	<0.2	1.36	19	<10	200	<0.5	<2	4.83	0.5	7	24	31	2.48
CC77013		0.42	0.001	<0.2	1.01	13	<10	140	<0.5	<2	10.6	0.5	8	22	53	2.19
CC77014		0.36	0.002	<0.2	1.60	14	<10	140	0.6	<2	4.04	0.6	11	25	35	3.01
CC77015		0.26	0.002	<0.2	1.89	17	<10	190	0.9	<2	1.58	1.1	14	30	65	3.91
CC77016		0.34	0.001	<0.2	1.65	14	<10	140	0.7	<2	1.70	0.6	13	27	28	3.41
CC77017		0.36	0.001	<0.2	1.07	12	<10	120	<0.5	<2	3.84	<0.5	9	20	39	2.70
CC77018		0.36	0.001	<0.2	1.10	18	<10	190	0.5	<2	6.23	<0.5	8	19	34	2.61
CC77019		0.28	0.001	<0.2	1.06	8	<10	180	<0.5	<2	6.01	<0.5	5	19	37	1.95
CC77020		0.20	0.003	<0.2	1.14	20	<10	590	<0.5	<2	3.06	1.0	17	27	41	4.64
CC77021		0.14	0.005	0.4	1.62	20	<10	560	0.6	<2	2.05	0.9	9	36	63	2.98
CC77022		0.26	0.003	<0.2	1.53	11	<10	240	0.6	<2	1.13	<0.5	10	31	24	2.83
CC77023		0.18	0.008	<0.2	1.46	14	<10	280	0.6	<2	1.49	0.5	9	26	38	2.56

***** See Appendix Page for comments regarding this certificate *****

ALS Chemex
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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10082197

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC76983		<10	<1	0.09	10	2.83	932	<1	0.02	23	890	43	0.05	3	2	67
CC76984		<10	<1	0.08	10	2.01	887	<1	0.02	19	1000	76	0.08	2	2	26
CC76985		<10	<1	0.06	10	6.58	1015	<1	0.02	11	770	72	0.04	2	1	44
CC76986		<10	<1	0.08	10	3.19	863	<1	0.03	16	970	47	0.08	3	2	30
CC76987		<10	1	0.07	10	0.79	874	<1	0.03	13	1080	49	0.12	2	1	27
CC76988		<10	<1	0.10	10	0.62	753	<1	0.03	19	1100	62	0.08	2	2	22
CC76989		<10	<1	0.10	10	1.05	698	<1	0.03	22	850	40	0.06	3	2	23
CC76990		<10	<1	0.07	10	3.39	827	<1	0.03	19	940	38	0.05	3	2	40
CC76991		<10	<1	0.10	10	0.85	857	<1	0.02	22	710	61	0.05	2	3	17
CC76993		<10	<1	0.10	10	4.21	610	<1	0.02	20	810	29	0.03	2	3	45
CC76994		<10	<1	0.10	10	4.34	524	<1	0.03	19	870	35	0.03	3	3	39
CC76995		10	<1	0.07	10	0.35	974	2	0.01	28	350	41	<0.01	<2	3	10
CC76996		10	<1	0.08	10	0.46	552	<1	0.02	20	660	30	0.05	<2	2	25
CC76997		<10	<1	0.10	10	2.36	402	<1	0.03	18	1000	38	0.07	<2	2	35
CC76998		<10	<1	0.11	10	2.23	513	<1	0.03	21	1100	40	0.12	<2	2	49
CC76999		<10	<1	0.11	10	5.74	412	<1	0.03	23	900	38	0.03	<2	2	41
CC77000		<10	<1	0.12	10	3.57	649	1	0.03	26	940	149	0.05	<2	2	31
CC77001		<10	<1	0.13	10	2.01	712	1	0.03	32	1000	52	0.05	<2	2	27
CC77002		<10	<1	0.11	10	2.77	779	<1	0.03	27	870	42	0.04	<2	2	27
CC77003		<10	<1	0.10	10	0.95	588	<1	0.03	20	1180	37	0.09	<2	2	35
CC77004		<10	<1	0.09	10	1.35	519	1	0.03	22	1210	31	0.27	<2	1	42
CC77005		<10	<1	0.14	10	5.29	481	<1	0.03	37	940	37	0.08	<2	2	43
CC77006		<10	<1	0.09	<10	1.83	703	<1	0.03	23	920	30	0.15	<2	1	33
CC77007		<10	<1	0.08	10	4.54	502	<1	0.03	18	880	33	0.11	<2	2	46
CC77008		<10	<1	0.07	10	4.23	208	<1	0.02	14	930	37	0.09	<2	2	37
CC77009		<10	<1	0.09	10	0.88	1195	<1	0.02	25	930	36	0.08	<2	3	23
CC77010		<10	<1	0.08	20	0.64	802	1	0.02	35	790	44	0.01	<2	7	14
CC77011		<10	<1	0.11	10	5.71	576	1	0.02	26	830	33	0.03	<2	2	76
CC77012		<10	<1	0.09	10	2.67	458	1	0.02	27	500	26	0.02	<2	3	40
CC77013		<10	<1	0.11	10	5.20	599	1	0.02	28	770	23	0.02	<2	2	103
CC77014		<10	<1	0.10	10	2.62	1035	1	0.02	33	820	29	0.03	<2	4	34
CC77015		<10	<1	0.12	20	1.48	1215	1	0.02	40	1180	34	0.04	<2	5	21
CC77016		<10	<1	0.08	10	1.53	939	1	0.01	37	900	30	0.01	<2	5	20
CC77017		<10	<1	0.08	10	2.62	667	<1	0.02	25	750	23	0.02	<2	3	29
CC77018		<10	<1	0.10	10	3.75	679	<1	0.03	25	860	27	0.05	<2	3	45
CC77019		<10	1	0.09	10	3.87	483	<1	0.02	21	880	21	0.05	<2	2	42
CC77020		<10	<1	0.11	10	0.95	1940	2	0.03	43	1020	22	0.23	<2	2	41
CC77021		<10	<1	0.16	10	1.00	409	1	0.03	37	1120	33	0.20	<2	3	32
CC77022		<10	<1	0.08	10	0.62	708	<1	0.02	26	990	28	0.04	<2	3	20
CC77023		<10	<1	0.08	10	0.58	715	<1	0.02	21	1090	28	0.10	<2	2	18

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 6-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10082197

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC76983		<20	0.01	<10	<10	21	<10	222
CC76984		<20	0.02	<10	<10	35	<10	319
CC76985		<20	0.01	<10	<10	22	<10	243
CC76986		<20	0.02	<10	<10	31	<10	248
CC76987		<20	0.01	<10	<10	26	<10	199
CC76988		<20	0.02	<10	<10	39	<10	234
CC76989		<20	0.02	<10	<10	45	<10	142
CC76990		<20	0.02	<10	<10	35	<10	161
CC76991		<20	0.02	<10	<10	49	<10	182
CC76993		<20	0.02	<10	<10	36	<10	130
CC76994		<20	0.01	<10	<10	34	<10	131
CC76995		<20	0.04	<10	<10	73	<10	173
CC76996		<20	0.02	<10	<10	48	<10	141
CC76997		<20	0.01	<10	<10	31	<10	394
CC76998		<20	0.01	<10	<10	28	<10	710
CC76999		<20	0.01	<10	<10	29	<10	325
CC77000		<20	0.02	<10	<10	33	<10	679
CC77001		<20	0.02	<10	<10	38	<10	297
CC77002		<20	0.02	<10	<10	35	<10	208
CC77003		<20	0.01	<10	<10	29	<10	210
CC77004		<20	0.01	<10	<10	22	<10	226
CC77005		<20	0.02	<10	<10	32	<10	247
CC77006		<20	0.01	<10	<10	21	<10	407
CC77007		<20	0.01	<10	<10	22	<10	559
CC77008		<20	0.01	<10	<10	24	<10	455
CC77009		<20	0.02	<10	<10	41	<10	183
CC77010		<20	0.03	<10	<10	56	<10	196
CC77011		<20	0.02	<10	<10	30	<10	157
CC77012		<20	0.02	<10	<10	49	<10	103
CC77013		<20	0.02	<10	<10	34	<10	122
CC77014		<20	0.03	<10	<10	45	<10	147
CC77015		<20	0.03	<10	<10	60	<10	193
CC77016		<20	0.02	<10	<10	48	<10	132
CC77017		<20	0.02	<10	<10	39	<10	117
CC77018		<20	0.02	<10	<10	38	<10	119
CC77019		<20	0.02	<10	<10	36	<10	100
CC77020		<20	0.01	<10	<10	33	<10	152
CC77021		<20	0.02	<10	<10	45	<10	234
CC77022		<20	0.02	<10	<10	45	<10	104
CC77023		<20	0.02	<10	<10	41	<10	105

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10082197

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC77024		0.36	0.003	<0.2	1.54	13	<10	230	0.6	<2	1.04	<0.5	9	26	21	3.01
CC77025		0.16	0.002	0.2	1.33	15	<10	280	0.5	<2	2.45	<0.5	8	23	41	2.40
CC77026		0.32	0.004	0.2	1.19	21	<10	220	<0.5	<2	7.6	0.7	7	22	27	2.16
CC77027		0.18	0.002	0.3	1.42	26	<10	260	0.6	<2	1.81	1.0	11	25	37	3.03
CC77028		0.32	0.002	<0.2	0.86	18	<10	210	<0.5	<2	3.88	0.5	15	15	37	3.49
CC77029		0.22	0.003	<0.2	1.13	20	<10	210	0.5	<2	6.19	0.8	9	19	42	2.61
CC77030		0.26	0.003	0.2	1.28	18	<10	650	0.5	<2	3.86	0.8	8	21	34	2.75
CC77031		0.34	0.002	0.4	1.04	15	<10	290	<0.5	<2	5.96	0.7	7	19	42	2.17
CC77032		0.28	0.001	0.2	0.69	24	<10	270	<0.5	<2	10.2	0.6	4	12	21	1.44
CC77033		0.36	0.002	0.3	1.06	17	<10	280	<0.5	<2	8.4	0.7	7	17	28	2.01
CC77034		0.42	<0.001	0.3	1.65	14	<10	240	0.6	<2	3.58	1.4	7	25	12	2.57
CC77035		0.14	NSS	0.3	0.51	3	<10	220	<0.5	<2	3.47	2.5	3	8	38	0.69
CC77036		0.26	0.005	0.5	1.13	19	<10	380	<0.5	<2	5.36	1.2	7	20	21	2.28
CC77037		0.24	0.001	<0.2	2.67	19	<10	140	0.9	<2	1.02	2.1	14	35	25	3.61
CC77038		0.48	0.002	0.6	1.16	18	<10	300	0.5	<2	5.36	0.8	8	21	28	2.32
CC77039		0.18	<0.001	0.6	1.17	19	<10	390	0.5	<2	2.91	1.3	7	20	39	2.20
CC77040		0.20	0.008	0.5	1.21	16	<10	530	0.5	<2	2.48	0.6	8	22	30	2.29
CC77041		0.16	0.003	0.4	1.11	15	<10	510	0.5	<2	3.59	0.8	7	21	37	2.18
CC77042		0.18	NSS	0.5	1.29	22	<10	560	0.5	<2	2.39	1.2	8	25	30	2.52
CC77043		0.28	0.004	0.6	1.30	16	<10	510	0.5	<2	1.93	2.1	7	26	44	2.04
CC77044		0.16	NSS	0.4	1.16	21	<10	460	0.5	<2	2.41	1.3	8	24	30	2.96
CC77045		0.16	NSS	0.6	1.05	19	<10	540	<0.5	<2	2.54	0.9	7	21	36	2.06
CC77046		0.20	NSS	0.7	0.84	27	<10	360	<0.5	<2	7.15	0.6	5	17	24	1.75
CC77047		0.28	0.008	0.5	0.66	20	<10	220	<0.5	<2	9.1	0.7	4	15	25	1.33
CC77048		0.24	0.012	1.0	0.97	21	<10	400	<0.5	<2	4.25	0.9	6	23	20	1.88
CC77049		0.28	0.010	0.6	0.84	23	<10	350	<0.5	<2	5.78	0.7	5	20	24	1.66
CC77050		0.36	0.003	0.3	1.05	28	<10	200	0.5	<2	1.86	0.6	8	20	24	2.64
CC77051		0.28	0.002	0.2	1.57	24	<10	140	0.5	<2	1.76	0.8	8	24	20	2.82
CC77052		0.26	0.004	1.6	0.30	46	<10	180	<0.5	<2	16.8	0.6	1	6	34	0.77
CC77053		0.30	<0.001	0.2	1.45	14	<10	120	0.5	<2	4.33	0.5	9	25	27	3.00
CC77054		0.28	<0.001	0.2	1.00	12	<10	120	<0.5	<2	7.10	<0.5	8	19	27	2.41
CC77055		0.22	0.001	<0.2	1.83	19	<10	170	<0.5	<2	0.23	<0.5	7	34	18	3.81
CC77056		0.34	<0.001	<0.2	1.55	12	<10	200	0.5	<2	1.12	<0.5	12	48	34	2.93
CC77057		0.18	NSS	0.2	1.40	11	<10	320	0.5	<2	1.45	0.9	9	24	26	2.45
CC77058		0.24	<0.001	0.2	0.86	10	<10	200	<0.5	<2	6.13	<0.5	7	17	24	2.10
CC77059		0.16	NSS	0.2	1.04	12	<10	250	<0.5	<2	3.40	0.7	8	23	23	2.19
CC77060		0.34	0.005	0.5	1.21	14	<10	340	<0.5	<2	2.89	0.7	8	29	28	2.29
CC77061		0.16	0.001	0.5	1.28	27	<10	330	0.5	<2	3.03	0.8	8	30	32	3.01
CC77062		0.28	0.001	0.3	1.07	16	<10	220	<0.5	<2	6.25	0.8	8	28	28	2.01
CC77063		0.14	0.002	0.4	1.27	10	<10	340	0.5	<2	2.50	0.9	9	32	35	1.86

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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC77024		<10	<1	0.08	10	0.71	550	<1	0.02	23	760	31	0.03	<2	3	15
CC77025		<10	<1	0.08	10	0.69	753	<1	0.03	19	1060	33	0.11	<2	2	23
CC77026		<10	1	0.11	10	5.05	689	1	0.03	27	680	40	0.01	<2	2	32
CC77027		<10	<1	0.11	10	0.73	1080	<1	0.02	24	1030	117	0.08	2	2	20
CC77028		<10	<1	0.10	10	2.24	582	<1	0.02	33	960	45	0.03	<2	2	23
CC77029		<10	<1	0.12	10	3.83	628	<1	0.03	24	830	41	0.04	<2	2	28
CC77030		<10	<1	0.12	10	2.27	739	<1	0.03	24	1000	47	0.05	<2	2	23
CC77031		<10	<1	0.11	10	3.96	638	<1	0.02	29	1100	31	0.06	<2	2	34
CC77032		<10	<1	0.06	<10	6.04	513	<1	0.01	13	790	19	0.06	<2	1	28
CC77033		<10	<1	0.08	10	5.33	662	<1	0.01	17	840	37	0.04	<2	2	28
CC77034		<10	<1	0.05	10	2.30	487	<1	0.01	16	520	52	0.04	<2	3	15
CC77035		<10	1	0.04	<10	0.71	264	<1	0.02	6	750	12	0.17	<2	1	22
CC77036		<10	<1	0.08	10	3.29	724	<1	0.01	18	910	52	0.07	<2	2	22
CC77037		10	<1	0.07	10	0.68	499	1	<0.01	27	430	52	0.04	<2	3	11
CC77038		<10	<1	0.09	10	3.41	643	<1	0.01	23	900	43	0.05	<2	2	27
CC77039		<10	<1	0.10	10	0.95	722	<1	0.01	20	1010	41	0.12	<2	1	21
CC77040		<10	<1	0.10	10	0.94	575	<1	0.01	21	920	40	0.11	<2	2	19
CC77041		<10	<1	0.11	10	1.59	511	<1	0.02	22	990	37	0.11	<2	2	26
CC77042		<10	<1	0.13	10	0.90	622	<1	0.01	25	1010	58	0.10	<2	2	24
CC77043		<10	<1	0.11	10	0.86	226	<1	0.01	25	960	80	0.09	<2	2	19
CC77044		<10	1	0.11	10	1.01	719	1	0.01	23	780	45	0.09	<2	2	21
CC77045		<10	<1	0.10	10	0.65	715	<1	0.01	20	910	34	0.13	<2	2	24
CC77046		<10	<1	0.10	10	4.53	685	<1	0.01	14	1630	33	0.10	<2	1	46
CC77047		<10	<1	0.08	<10	5.31	427	<1	0.01	12	830	24	0.09	<2	1	46
CC77048		<10	<1	0.10	10	2.21	569	<1	0.01	18	1130	34	0.14	<2	2	36
CC77049		<10	<1	0.08	10	3.49	374	<1	0.01	14	1030	33	0.11	<2	2	34
CC77050		<10	<1	0.06	10	1.14	566	<1	<0.01	22	860	38	0.04	<2	2	18
CC77051		10	1	0.07	10	1.08	531	<1	<0.01	17	530	38	0.04	<2	2	15
CC77052		<10	<1	0.04	<10	10.45	363	<1	0.01	8	310	124	0.03	11	1	44
CC77053		<10	<1	0.09	10	2.43	539	1	0.01	26	560	26	0.04	<2	3	44
CC77054		<10	<1	0.09	10	3.80	651	<1	0.01	23	730	20	0.04	<2	2	72
CC77055		<10	<1	0.07	10	0.51	326	1	<0.01	23	350	21	0.02	<2	3	15
CC77056		<10	<1	0.07	10	1.07	609	<1	<0.01	31	530	22	0.02	<2	4	16
CC77057		<10	1	0.10	10	0.61	952	<1	0.02	24	780	17	0.06	<2	3	28
CC77058		<10	1	0.09	10	3.11	923	<1	0.01	16	830	22	0.10	<2	2	45
CC77059		<10	<1	0.11	10	1.73	548	<1	0.01	24	690	20	0.09	<2	2	30
CC77060		<10	<1	0.12	10	1.70	316	<1	0.02	29	890	22	0.12	<2	2	29
CC77061		<10	<1	0.13	10	1.77	272	1	0.01	29	1010	26	0.12	<2	3	30
CC77062		<10	<1	0.10	10	4.21	251	<1	<0.01	29	880	22	0.04	<2	2	39
CC77063		<10	<1	0.13	10	1.55	528	<1	0.01	33	920	27	0.11	<2	3	28

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 6-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10082197

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC77024		<20	0.02	<10	<10	46	<10	101
CC77025		<20	0.02	<10	<10	37	<10	141
CC77026		<20	0.02	<10	<10	34	<10	179
CC77027		<20	0.02	<10	<10	39	<10	292
CC77028		<20	0.01	<10	<10	21	<10	193
CC77029		<20	0.01	<10	<10	30	<10	170
CC77030		<20	0.02	<10	<10	35	<10	181
CC77031		<20	0.03	<10	<10	33	<10	177
CC77032		<20	0.01	<10	<10	21	<10	135
CC77033		<20	0.02	<10	<10	29	<10	225
CC77034		<20	0.03	<10	<10	49	<10	295
CC77035		<20	0.02	<10	<10	11	<10	149
CC77036		<20	0.01	<10	<10	32	<10	289
CC77037		<20	0.03	<10	<10	63	<10	160
CC77038		<20	0.02	<10	<10	34	<10	208
CC77039		<20	0.01	<10	<10	33	<10	218
CC77040		<20	0.01	<10	<10	35	<10	183
CC77041		<20	0.01	<10	<10	31	<10	211
CC77042		<20	0.01	<10	<10	36	<10	268
CC77043		<20	0.02	<10	<10	37	<10	377
CC77044		<20	0.02	<10	<10	35	<10	256
CC77045		<20	0.01	<10	<10	30	<10	332
CC77046		<20	0.01	<10	<10	24	<10	602
CC77047		<20	0.01	<10	<10	19	<10	611
CC77048		<20	0.01	<10	<10	25	<10	821
CC77049		<20	0.01	<10	<10	24	<10	442
CC77050		<20	0.02	<10	<10	34	<10	144
CC77051		<20	0.03	<10	<10	53	<10	141
CC77052		<20	<0.01	<10	<10	29	<10	320
CC77053		<20	0.02	<10	<10	48	<10	94
CC77054		<20	0.02	<10	<10	36	<10	113
CC77055		<20	0.05	<10	<10	67	<10	85
CC77056		<20	0.03	<10	<10	57	<10	97
CC77057		<20	0.02	<10	<10	43	<10	102
CC77058		<20	0.02	<10	<10	31	<10	88
CC77059		<20	0.01	<10	<10	33	<10	119
CC77060		<20	0.02	<10	<10	35	<10	177
CC77061		<20	0.02	<10	<10	37	<10	193
CC77062		<20	0.02	<10	<10	32	<10	138
CC77063		<20	0.02	<10	<10	40	<10	146

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10082197

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC77064		0.12	<0.001	0.5	1.68	10	<10	500	0.6	<2	1.43	0.7	9	42	34	2.34
CC77065		0.18	0.002	<0.2	0.55	4	<10	150	<0.5	<2	3.89	0.5	4	13	20	0.83
CC77066		0.16	NSS	0.5	1.32	20	<10	260	0.6	<2	1.95	<0.5	8	26	27	2.79
CC77067		0.16	<0.001	<0.2	1.42	11	<10	250	0.6	<2	1.35	0.5	10	23	33	2.70
CC77068		0.30	<0.001	<0.2	0.61	12	<10	90	<0.5	<2	2.94	<0.5	11	9	31	2.96
CC77069		0.18	<0.001	<0.2	0.52	7	<10	140	<0.5	<2	0.99	<0.5	11	9	31	2.76
CC77070		0.18	0.002	0.2	1.38	13	<10	700	0.5	<2	2.05	<0.5	9	23	25	2.35
CC77071		0.22	<0.001	<0.2	1.91	11	<10	300	<0.5	<2	0.71	<0.5	8	27	10	2.72
CC77072		0.24	<0.001	<0.2	1.41	11	<10	240	<0.5	<2	4.57	1.3	7	18	13	2.10
CC77073		0.26	0.001	0.3	1.50	18	<10	360	0.6	<2	1.92	<0.5	9	27	29	2.91
CC77074		0.42	0.011	0.3	1.01	18	<10	280	<0.5	<2	9.8	0.8	7	20	24	1.88
CC77075		0.28	<0.001	<0.2	1.59	14	<10	280	0.6	<2	4.31	0.8	8	24	13	2.34
CC77076		0.16	0.001	0.3	1.69	17	<10	660	0.6	<2	2.51	0.5	9	26	18	2.61
CC77077		0.28	<0.001	0.3	0.42	10	<10	100	<0.5	<2	13.9	1.8	3	6	12	0.74
CC77078		0.12	<0.001	0.2	0.96	11	<10	430	<0.5	<2	3.20	0.7	5	16	17	1.66
CC77079		0.28	0.001	0.3	1.25	21	<10	370	0.5	<2	4.74	0.7	9	22	26	2.59
CC77080		0.24	0.004	0.6	1.29	27	<10	430	0.5	<2	4.28	0.9	9	24	30	2.85
CC77081		0.14	0.003	0.7	1.29	28	<10	590	0.5	<2	2.08	0.8	9	24	28	2.82
CC77082		0.22	<0.001	0.4	1.21	21	<10	450	0.5	<2	4.45	0.9	10	22	29	2.66
CC77083		0.16	0.017	0.4	1.40	29	<10	490	0.5	<2	1.75	0.7	10	27	31	2.98
CC77084		0.38	0.011	0.7	0.52	22	<10	200	<0.5	<2	13.0	0.6	5	11	13	1.28
CC77085		0.16	0.016	0.8	1.09	27	<10	540	<0.5	<2	4.05	1.1	7	23	29	2.30
CC77086		0.52	0.003	0.3	0.90	21	<10	230	<0.5	<2	8.2	0.7	7	17	23	2.06
CC77087		0.24	0.002	0.3	1.01	15	<10	140	0.5	<2	6.91	0.5	7	19	18	1.82
CC77088		0.30	<0.001	0.3	1.98	15	<10	280	0.9	<2	0.88	0.5	11	30	15	3.53
CC77089		0.18	0.001	0.3	1.12	16	<10	140	<0.5	<2	4.62	<0.5	12	27	23	3.06
CC77090		0.22	<0.001	0.4	1.98	27	<10	290	0.7	<2	1.08	0.6	11	35	19	3.40
CC77091		0.20	<0.001	0.7	1.99	24	<10	280	0.8	<2	1.41	0.6	10	30	21	3.24
CC77092		0.22	0.003	0.2	1.69	16	<10	250	0.7	<2	1.70	0.6	9	25	16	2.96
CC77093		0.24	0.002	0.2	0.37	13	<10	490	<0.5	<2	14.9	<0.5	3	6	13	0.62
CC77094		0.28	0.001	0.3	0.73	20	<10	280	<0.5	<2	11.3	0.6	5	13	13	1.40
CC77095		0.26	0.002	0.5	0.71	21	<10	320	<0.5	<2	11.2	1.3	5	11	18	1.42
CC77096		0.24	0.003	0.9	1.37	30	<10	630	0.6	<2	3.54	3.2	9	23	26	2.80
CC77097		0.22	0.007	<0.2	0.96	28	<10	500	0.6	<2	1.11	4.1	11	25	41	1.96
CC77098		0.14	0.001	0.3	1.23	23	<10	680	<0.5	<2	2.07	3.4	8	21	21	2.34
CC77099		0.16	0.003	0.4	1.31	22	<10	750	0.5	<2	2.78	1.9	8	21	33	2.39
CC77100		0.20	0.003	0.4	1.25	25	<10	590	0.5	<2	2.39	1.4	9	21	25	2.42
CC77101		0.16	0.003	0.5	0.98	52	<10	560	<0.5	<2	5.16	1.1	7	16	27	2.27
CC77102		0.18	0.005	0.4	0.97	43	<10	560	<0.5	<2	2.88	1.1	8	17	28	2.30
CC77103		0.18	0.003	0.7	1.15	32	<10	440	0.5	<2	3.00	0.9	10	22	23	2.69

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10082197

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC77064		<10	<1	0.16	10	0.87	720	<1	0.02	39	960	27	0.15	<2	3	28
CC77065		<10	1	0.04	<10	0.70	335	<1	0.01	7	1010	20	0.16	<2	1	30
CC77066		<10	<1	0.11	10	0.65	475	<1	0.01	24	1120	31	0.12	<2	2	24
CC77067		<10	<1	0.13	10	0.70	810	<1	0.02	32	720	31	0.08	<2	3	24
CC77068		<10	<1	0.12	10	1.23	431	<1	0.01	33	780	28	0.04	<2	2	49
CC77069		<10	<1	0.17	10	0.18	426	<1	0.01	33	940	17	0.05	<2	2	20
CC77070		<10	<1	0.06	10	0.61	597	<1	0.02	19	1000	12	0.09	<2	2	24
CC77071		10	<1	0.05	10	0.56	397	<1	0.01	13	310	29	0.02	<2	3	12
CC77072		<10	<1	0.05	10	2.66	831	<1	0.02	10	920	44	0.06	<2	2	20
CC77073		<10	<1	0.09	10	1.30	603	<1	0.01	24	750	34	0.03	<2	3	18
CC77074		<10	<1	0.12	10	5.99	581	<1	0.01	22	700	29	0.01	2	2	49
CC77075		<10	<1	0.05	10	2.92	538	<1	0.02	13	610	49	0.04	<2	3	17
CC77076		<10	<1	0.08	10	0.78	661	<1	0.02	18	1080	42	0.09	<2	2	23
CC77077		<10	<1	0.03	<10	8.62	759	<1	0.01	6	500	43	0.02	<2	1	26
CC77078		<10	<1	0.06	10	0.65	443	<1	0.02	10	670	19	0.10	<2	1	26
CC77079		<10	<1	0.08	10	3.02	959	<1	0.02	22	970	31	0.05	<2	2	32
CC77080		<10	<1	0.10	10	2.66	671	<1	0.02	30	1020	54	0.04	2	2	29
CC77081		<10	<1	0.11	10	0.75	586	<1	0.02	28	1000	46	0.08	2	2	26
CC77082		<10	<1	0.10	10	2.58	616	<1	0.02	29	930	44	0.04	2	2	26
CC77083		<10	<1	0.12	10	0.67	686	<1	0.01	32	1000	48	0.08	<2	2	23
CC77084		<10	<1	0.06	<10	7.87	577	<1	0.02	9	640	19	0.02	<2	1	50
CC77085		<10	<1	0.13	10	1.74	530	<1	0.02	19	1130	35	0.14	<2	2	41
CC77086		<10	<1	0.08	10	5.02	456	<1	0.02	16	900	31	0.04	<2	2	46
CC77087		<10	<1	0.06	10	4.34	697	<1	0.02	14	1200	33	0.05	2	2	46
CC77088		<10	<1	0.09	20	0.59	1270	<1	0.01	20	790	35	0.04	<2	3	19
CC77089		<10	<1	0.13	10	3.05	503	<1	0.02	38	1400	24	0.04	<2	3	44
CC77090		10	<1	0.10	10	0.74	899	<1	0.01	28	680	56	0.04	2	3	22
CC77091		<10	<1	0.07	10	0.92	1015	<1	0.01	22	830	54	0.04	<2	3	17
CC77092		<10	<1	0.07	10	0.71	985	<1	0.01	17	730	38	0.06	<2	2	18
CC77093		<10	<1	0.02	<10	8.92	339	<1	0.02	2	830	8	0.06	<2	<1	40
CC77094		<10	<1	0.07	10	6.99	431	<1	0.02	10	640	47	0.02	2	1	32
CC77095		<10	<1	0.06	10	6.78	545	<1	0.02	10	670	88	0.05	2	1	36
CC77096		<10	<1	0.08	10	1.93	698	<1	0.02	22	740	217	0.05	<2	2	21
CC77097		<10	<1	0.11	10	0.40	406	<1	<0.01	28	670	121	0.02	<2	1	15
CC77098		<10	<1	0.08	10	0.71	691	<1	0.02	17	760	120	0.07	<2	2	19
CC77099		<10	1	0.09	10	0.89	747	<1	0.02	23	1000	54	0.09	<2	2	25
CC77100		<10	<1	0.08	10	0.63	686	<1	0.01	23	820	36	0.09	<2	2	22
CC77101		<10	<1	0.07	10	2.74	699	<1	0.02	20	1100	30	0.10	2	1	28
CC77102		<10	<1	0.08	10	0.66	713	<1	0.01	22	1170	24	0.11	3	1	24
CC77103		<10	<1	0.11	10	1.44	621	<1	0.02	23	1010	31	0.08	2	2	23

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Project: RAU

CERTIFICATE OF ANALYSIS VA10082197

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC77064		<20	0.02	<10	<10	44	<10	172
CC77065		<20	0.01	<10	<10	12	<10	71
CC77066		<20	0.01	<10	<10	31	<10	154
CC77067		<20	0.03	<10	<10	35	<10	110
CC77068		<20	0.01	<10	<10	12	<10	103
CC77069		<20	0.01	<10	<10	10	<10	100
CC77070		<20	0.02	<10	<10	41	<10	57
CC77071		<20	0.04	<10	<10	66	<10	136
CC77072		<20	0.02	<10	<10	40	<10	147
CC77073		<20	0.02	<10	<10	44	<10	131
CC77074		<20	0.01	<10	<10	27	<10	159
CC77075		<20	0.02	<10	<10	43	<10	138
CC77076		<20	0.02	<10	<10	44	<10	174
CC77077		<20	0.01	<10	<10	11	<10	291
CC77078		<20	0.02	<10	<10	25	<10	117
CC77079		<20	0.02	<10	<10	35	<10	148
CC77080		<20	0.01	<10	<10	34	<10	189
CC77081		<20	0.01	<10	<10	35	<10	189
CC77082		<20	0.01	<10	<10	31	<10	174
CC77083		<20	0.01	<10	<10	36	<10	253
CC77084		<20	0.01	<10	<10	14	<10	401
CC77085		<20	0.01	<10	<10	28	<10	364
CC77086		<20	0.01	<10	<10	26	<10	183
CC77087		<20	0.02	<10	<10	28	<10	152
CC77088		<20	0.02	<10	<10	52	<10	136
CC77089		<20	0.02	<10	<10	32	<10	145
CC77090		<20	0.02	<10	<10	57	<10	253
CC77091		<20	0.02	<10	<10	55	<10	197
CC77092		<20	0.02	<10	<10	44	<10	136
CC77093		<20	0.01	<10	<10	9	<10	100
CC77094		<20	0.01	<10	<10	20	<10	185
CC77095		<20	0.01	<10	<10	18	<10	317
CC77096		<20	0.01	<10	<10	36	<10	418
CC77097		<20	0.01	<10	<10	35	<10	583
CC77098		<20	0.02	<10	<10	34	<10	501
CC77099		<20	0.01	<10	<10	35	<10	296
CC77100		<20	0.01	<10	<10	33	<10	267
CC77101		<20	0.01	<10	<10	26	<10	417
CC77102		<20	0.01	<10	<10	26	<10	384
CC77103		<20	0.02	<10	<10	33	<10	313

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10082197

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC77104		0.22	0.006	0.9	0.88	18	<10	490	<0.5	<2	5.25	1.1	9	25	33	1.94
CC77105		0.20	0.004	0.4	0.90	17	<10	340	<0.5	<2	3.71	0.6	7	18	21	2.00
CC77106		0.16	0.002	0.6	1.16	19	<10	400	0.5	<2	2.92	0.8	10	23	27	2.54
CC77107		0.28	0.003	0.4	0.70	18	<10	170	<0.5	<2	6.34	0.7	7	14	19	1.89
CC77108		0.14	0.005	0.5	0.94	16	<10	300	<0.5	<2	5.76	0.8	7	17	21	1.68
CC77109		0.18	0.003	0.4	1.37	19	<10	290	0.5	<2	2.80	0.7	11	28	20	2.81
CC77110		0.12	0.003	0.4	0.98	12	<10	370	<0.5	<2	2.63	3.5	8	19	19	1.76
CC77111		0.34	0.003	0.6	1.37	22	<10	310	0.5	<2	2.91	1.3	11	31	24	2.88
CC77112		0.20	0.003	0.7	1.54	23	<10	340	0.6	<2	2.43	1.1	12	38	28	2.88
CC77113		0.18	0.008	0.8	1.44	27	<10	500	0.6	2	1.62	0.8	12	34	37	2.94
CC77114		0.30	0.006	2.0	1.15	20	<10	390	<0.5	<2	3.06	0.7	10	27	26	2.47
CC77115		0.32	0.002	0.4	0.66	7	<10	110	<0.5	<2	12.2	0.8	5	12	7	1.33
CC77116		0.32	0.003	0.5	1.17	16	<10	220	<0.5	<2	5.13	0.6	10	28	25	2.50
CC77117		0.18	0.002	0.3	1.54	14	<10	190	0.7	<2	1.53	0.7	8	35	11	2.36
CC77118		0.24	0.002	0.5	0.74	13	<10	140	<0.5	<2	5.33	0.5	7	18	16	1.48
CC77119		0.24	0.002	0.3	0.75	19	<10	100	<0.5	<2	4.34	<0.5	13	14	36	3.42
CC77120		0.10	0.002	0.3	1.00	9	<10	220	<0.5	<2	2.51	0.5	9	20	18	2.38
CC77121		0.24	0.003	0.3	0.67	14	<10	70	<0.5	<2	6.45	<0.5	9	12	27	2.77
CC77122		0.22	0.001	0.2	1.41	10	<10	180	0.6	2	2.50	<0.5	19	47	30	4.15
CC77123		0.16	NSS	0.3	0.94	15	<10	270	<0.5	<2	3.52	0.5	9	18	21	1.97
CC77124		0.28	0.001	0.5	0.65	33	<10	180	<0.5	<2	13.0	0.7	6	10	10	1.52
CC77125		0.32	0.001	0.3	1.09	13	<10	140	<0.5	<2	2.95	0.5	7	18	10	1.93
CC77126		0.24	0.002	0.5	0.62	11	<10	130	<0.5	<2	10.4	0.6	5	11	15	1.09
CC77127		0.32	0.010	1.7	0.39	48	<10	420	<0.5	2	10.0	3.8	13	10	27	2.37
CC77128		0.26	0.003	0.5	0.68	23	<10	490	<0.5	<2	10.4	1.6	7	12	16	1.55
CC77129		0.34	0.005	0.5	0.91	18	<10	370	<0.5	2	5.84	1.2	10	20	29	2.10
CC77130		0.30	0.004	0.5	0.89	19	<10	250	<0.5	<2	5.89	0.7	9	18	27	2.24
CC77131		0.22	0.004	0.5	0.75	23	<10	200	<0.5	<2	6.48	0.7	8	15	25	2.18
CC77132		0.28	0.004	0.5	0.72	25	<10	130	<0.5	2	8.2	0.6	8	15	18	2.17
CC77133		0.12	<0.001	0.4	0.86	13	<10	320	<0.5	<2	3.32	0.6	7	17	19	1.93
CC77134		0.32	0.002	0.6	0.63	12	<10	150	<0.5	<2	9.4	0.7	6	13	16	1.54
CC77135		0.20	0.007	0.5	1.05	13	<10	260	<0.5	<2	2.79	0.5	8	20	21	2.06
CC77136		0.16	0.004	0.5	0.61	9	<10	270	<0.5	<2	3.50	1.5	5	11	29	1.17
CC77137		0.30	0.002	0.4	0.84	22	<10	120	<0.5	<2	6.02	0.7	8	16	24	2.23
CC77138		0.24	0.003	0.4	1.42	23	<10	210	0.6	<2	0.80	0.6	11	26	26	3.25
CC77139		0.24	0.002	<0.2	1.11	16	<10	190	0.5	<2	2.09	0.6	9	19	26	2.93
CC77140		0.40	0.003	0.2	1.22	17	<10	200	0.5	<2	1.96	<0.5	9	23	25	3.10
CC77141		0.36	0.008	0.3	1.27	23	<10	160	0.5	<2	2.01	1.1	8	22	19	2.94
CC77142		0.40	0.005	0.2	1.52	15	<10	260	0.6	<2	0.55	<0.5	9	28	27	2.92
CC77143		0.32	0.004	<0.2	0.76	19	<10	90	<0.5	<2	5.53	<0.5	8	14	25	2.93

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1016-510 W HASTINGS ST
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Project: RAU

CERTIFICATE OF ANALYSIS VA10082197

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
CC77104		<10	<1	0.12	10	2.69	459	1	0.02	22	910	48	0.10	2	2	45
CC77105		<10	<1	0.08	10	1.43	316	1	0.02	18	770	25	0.07	<2	1	39
CC77106		<10	<1	0.11	10	1.31	644	1	0.02	25	990	30	0.08	<2	2	30
CC77107		<10	<1	0.07	10	3.91	410	1	0.02	16	820	20	0.05	<2	1	39
CC77108		<10	<1	0.06	10	3.33	470	<1	0.02	14	960	18	0.07	<2	1	24
CC77109		<10	<1	0.11	10	1.70	640	1	0.01	29	710	26	0.03	<2	3	26
CC77110		<10	<1	0.06	10	0.45	501	1	0.01	16	750	19	0.11	<2	1	23
CC77111		<10	<1	0.13	10	1.89	610	1	0.01	32	960	26	0.02	2	3	30
CC77112		<10	<1	0.11	10	1.63	582	1	0.02	36	830	28	0.06	<2	3	26
CC77113		<10	<1	0.12	10	0.72	663	1	0.02	34	1050	36	0.07	3	2	22
CC77114		<10	<1	0.10	10	1.45	703	1	0.02	27	980	26	0.07	<2	2	30
CC77115		<10	<1	0.03	<10	7.26	1290	<1	0.02	6	720	18	0.05	<2	1	59
CC77116		<10	<1	0.13	10	3.24	495	1	0.02	30	840	23	0.03	<2	2	47
CC77117		<10	<1	0.05	10	0.84	394	<1	0.02	18	910	27	0.05	<2	3	17
CC77118		<10	<1	0.05	10	3.30	483	<1	0.01	15	970	34	0.06	<2	1	53
CC77119		<10	<1	0.15	20	2.83	374	1	0.03	36	1150	21	0.02	2	2	49
CC77120		<10	<1	0.13	10	1.01	358	1	0.01	20	810	25	0.07	<2	2	26
CC77121		<10	<1	0.13	10	4.09	410	1	0.01	22	1180	34	0.02	<2	3	101
CC77122		<10	<1	0.13	10	1.67	551	1	0.02	67	2180	23	0.06	<2	4	41
CC77123		<10	<1	0.08	10	0.99	559	<1	0.02	28	1080	25	0.13	2	1	38
CC77124		<10	<1	0.05	10	7.96	1035	<1	0.02	11	560	29	0.02	9	1	60
CC77125		<10	<1	0.06	10	1.81	465	1	0.01	16	540	25	0.03	<2	2	15
CC77126		<10	<1	0.05	<10	6.17	524	<1	0.02	10	660	20	0.05	<2	1	26
CC77127		<10	<1	0.06	10	6.01	1115	1	0.02	34	680	91	0.04	5	1	39
CC77128		<10	<1	0.07	10	6.50	467	1	0.02	14	550	41	0.02	2	2	35
CC77129		<10	<1	0.09	10	3.93	627	1	0.02	21	720	35	0.02	2	2	29
CC77130		<10	<1	0.10	10	3.70	494	1	0.02	21	790	38	0.03	2	2	41
CC77131		<10	<1	0.10	10	3.92	723	1	0.02	17	790	39	0.04	2	2	43
CC77132		<10	<1	0.08	10	4.90	440	1	0.02	18	830	29	0.03	<2	2	47
CC77133		<10	<1	0.09	10	1.09	434	<1	0.02	17	820	29	0.09	<2	1	35
CC77134		<10	<1	0.07	10	5.40	437	1	0.02	13	900	17	0.05	<2	1	46
CC77135		<10	<1	0.08	10	0.86	428	<1	0.02	17	1050	23	0.11	<2	2	24
CC77136		<10	<1	0.05	<10	0.57	348	<1	0.02	12	950	17	0.18	<2	1	30
CC77137		<10	<1	0.08	10	3.96	582	<1	0.02	24	970	30	0.04	<2	2	31
CC77138		<10	1	0.10	10	0.51	804	<1	0.01	28	940	36	0.06	<2	3	19
CC77139		<10	<1	0.08	10	0.98	764	<1	0.03	22	1210	34	0.04	<2	2	27
CC77140		<10	<1	0.07	10	1.31	602	<1	0.03	24	800	38	0.02	<2	3	26
CC77141		<10	<1	0.07	10	1.26	894	<1	0.02	20	1090	63	0.04	2	3	25
CC77142		<10	<1	0.08	10	0.57	494	<1	0.03	28	720	21	0.04	<2	3	19
CC77143		<10	<1	0.07	10	3.68	553	<1	0.02	20	790	20	0.02	<2	3	47

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 6-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10082197

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC77104		<20	0.01	<10	<10	24	<10	186
CC77105		<20	0.01	<10	<10	27	<10	97
CC77106		<20	0.01	<10	<10	35	<10	176
CC77107		<20	0.01	<10	<10	23	<10	117
CC77108		<20	0.02	<10	<10	29	<10	148
CC77109		<20	0.02	<10	<10	41	<10	124
CC77110		<20	0.02	<10	<10	27	<10	168
CC77111		<20	0.02	<10	<10	40	<10	221
CC77112		<20	0.02	<10	<10	45	<10	156
CC77113		<20	0.02	<10	<10	43	<10	178
CC77114		<20	0.02	<10	<10	36	<10	152
CC77115		<20	0.01	<10	<10	16	<10	156
CC77116		<20	0.02	<10	<10	33	<10	130
CC77117		<20	0.02	<10	<10	45	<10	158
CC77118		<20	0.01	<10	<10	20	<10	133
CC77119		<20	0.01	<10	<10	12	<10	115
CC77120		<20	0.01	<10	<10	24	<10	130
CC77121		<20	0.01	<10	<10	15	<10	82
CC77122		<20	0.02	<10	<10	34	<10	117
CC77123		<20	0.02	<10	<10	25	<10	163
CC77124		<20	0.01	10	<10	19	<10	249
CC77125		<20	0.02	<10	<10	32	<10	166
CC77126		<20	0.01	<10	<10	17	<10	261
CC77127		<20	<0.01	<10	<10	10	<10	900
CC77128		<20	0.02	<10	<10	22	<10	377
CC77129		<20	0.02	<10	<10	30	<10	258
CC77130		<20	0.01	<10	<10	28	<10	141
CC77131		<20	0.01	<10	<10	25	<10	136
CC77132		<20	0.01	<10	<10	24	<10	121
CC77133		<20	0.01	<10	<10	25	<10	139
CC77134		<20	0.01	<10	<10	21	<10	110
CC77135		<20	0.01	<10	<10	30	<10	137
CC77136		<20	0.01	<10	<10	18	<10	120
CC77137		<20	0.02	<10	<10	30	<10	164
CC77138		<20	0.02	<10	<10	44	<10	164
CC77139		<20	0.02	<10	<10	33	<10	141
CC77140		<20	0.03	<10	<10	39	<10	141
CC77141		<20	0.03	<10	<10	46	<10	238
CC77142		<20	0.03	<10	<10	52	<10	129
CC77143		<20	0.03	<10	<10	28	<10	94

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Project: RAU

CERTIFICATE OF ANALYSIS VA10082197

Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
Sample Description LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC77144	0.34	0.002	<0.2	0.86	21	<10	120	0.5	<2	2.97	1.0	12	20	27	3.85
CC77145	0.28	0.002	0.2	0.83	16	<10	120	<0.5	<2	3.66	1.1	9	16	21	3.25
CC77146	0.28	0.002	0.3	0.92	20	<10	120	<0.5	<2	2.56	1.5	9	18	22	2.78
CC77147	0.32	0.004	<0.2	1.28	13	<10	150	0.6	<2	0.93	<0.5	11	18	36	3.65
CC77148	0.30	0.009	0.4	0.83	16	<10	130	<0.5	<2	10.0	0.6	6	16	17	1.57
CC77149	0.14	0.011	0.5	1.38	29	<10	320	0.6	<2	2.65	1.0	11	27	27	2.80
CC77150	0.16	0.003	0.3	1.11	19	<10	210	<0.5	<2	5.21	0.8	7	22	18	2.02
CC77151	0.10	0.007	0.5	1.64	21	<10	450	0.6	<2	1.81	0.6	12	37	36	3.01
CC77152	0.24	0.011	0.5	1.45	29	<10	320	0.5	<2	3.44	0.9	11	36	36	2.88
CC77153	0.40	0.005	0.2	1.59	18	<10	230	<0.5	<2	6.60	0.8	12	49	30	2.76
CC77154	0.14	0.008	0.3	1.50	19	<10	370	0.5	<2	2.13	0.9	11	37	34	2.87
CC77155	0.44	0.006	0.8	1.10	25	<10	210	<0.5	<2	4.78	0.7	8	20	26	2.49
CC77156	0.30	0.012	0.5	1.25	26	<10	190	0.6	<2	2.96	0.7	9	22	25	2.86
CC77157	0.18	0.003	<0.2	1.64	13	<10	130	0.5	<2	0.81	<0.5	5	22	5	2.62
CC77158	0.26	0.002	<0.2	1.51	17	<10	160	0.6	<2	1.54	0.9	7	22	11	2.76
CC77159	0.28	0.002	0.4	1.77	22	<10	250	0.7	<2	0.94	0.7	10	30	15	3.12
CC77160	0.30	0.004	0.3	1.23	20	<10	180	<0.5	<2	6.53	0.6	8	24	25	2.44
CC77161	0.26	0.004	0.3	0.91	17	<10	180	<0.5	<2	7.9	0.5	7	19	24	1.93
CC77162	0.26	<0.001	0.4	1.50	19	<10	210	0.6	<2	2.14	1.2	8	24	16	2.77
CC77163	0.24	0.004	0.5	0.82	21	<10	220	<0.5	<2	8.3	0.7	6	14	20	1.67
CC77164	0.28	0.004	0.5	1.13	25	<10	230	<0.5	<2	3.25	0.8	7	19	20	2.28
CC77165	0.32	0.004	0.2	0.81	18	<10	140	<0.5	<2	10.0	0.6	6	14	17	1.63
CC77166	0.40	0.005	0.2	0.96	22	<10	150	<0.5	<2	6.24	0.7	7	18	24	2.09
CC77167	0.34	0.008	0.2	0.86	18	<10	150	<0.5	<2	7.6	0.7	5	15	19	1.56
CC77168	0.28	0.004	<0.2	0.84	18	<10	190	<0.5	<2	4.59	0.8	7	17	17	2.03
CC77169	0.24	0.002	<0.2	0.84	13	<10	130	<0.5	<2	5.49	<0.5	11	18	25	3.01
CC77170	0.36	0.003	0.2	0.80	14	<10	150	<0.5	<2	5.82	0.5	7	14	26	2.51
CC77171	0.22	0.004	0.7	1.13	24	<10	230	0.5	<2	3.63	0.7	9	19	32	3.00
CC77172	0.32	0.003	<0.2	1.07	13	<10	140	<0.5	<2	4.80	<0.5	10	18	30	2.56
CC77173	0.18	0.003	<0.2	1.02	8	<10	140	<0.5	<2	4.06	0.8	10	16	32	2.45
CC77174	0.36	0.002	<0.2	0.46	13	<10	80	<0.5	<2	7.4	<0.5	9	7	25	2.33
CC77175	0.26	0.003	1.5	0.72	27	<10	90	<0.5	<2	10.7	<0.5	4	16	22	1.47
CC77176	0.16	0.004	0.4	1.10	14	<10	180	0.5	<2	4.36	0.8	6	18	21	1.92
CC77177	0.20	0.003	0.3	1.01	10	<10	240	0.5	2	3.65	1.2	6	16	26	1.81
CC77178	0.24	0.002	0.5	0.94	29	<10	140	<0.5	2	6.43	0.7	5	18	19	1.85
CC77179	0.40	0.002	0.2	0.51	18	<10	60	<0.5	<2	14.3	<0.5	2	10	11	0.97
CC77180	0.22	0.002	0.6	1.39	17	<10	180	0.6	<2	4.65	0.6	7	25	25	2.53
CC77181	0.34	0.003	0.2	1.32	14	<10	160	0.5	<2	3.55	<0.5	8	24	21	2.56
CC77182	0.24	0.005	0.2	0.28	25	<10	100	<0.5	2	15.7	0.5	2	9	6	0.86
CC77183	0.26	0.016	0.7	0.83	38	<10	180	<0.5	3	6.81	1.0	6	17	23	2.12

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10082197

Sample Description	Method Analyte Units LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
CC77144		<10	<1	0.06	20	1.72	1110	<1	0.02	24	930	33	0.06	2	3	45
CC77145		<10	<1	0.07	10	1.99	1020	<1	0.02	19	920	32	0.06	2	2	50
CC77146		<10	<1	0.08	10	1.31	1110	<1	0.02	24	1040	46	0.06	2	2	28
CC77147		<10	<1	0.13	20	0.67	543	<1	0.02	26	660	27	0.05	<2	3	18
CC77148		<10	<1	0.07	10	6.19	451	<1	0.02	16	650	26	0.04	<2	1	38
CC77149		<10	<1	0.12	10	1.20	897	<1	0.02	29	990	34	0.05	<2	2	24
CC77150		<10	<1	0.09	10	2.86	541	<1	0.03	19	840	25	0.08	<2	1	29
CC77151		<10	<1	0.13	10	0.80	752	<1	0.02	39	1030	26	0.07	2	3	24
CC77152		<10	<1	0.13	10	2.04	617	<1	0.02	34	1000	31	0.06	3	3	29
CC77153		<10	<1	0.16	10	5.01	640	<1	0.02	47	820	22	0.07	<2	4	42
CC77154		<10	<1	0.13	10	1.08	549	<1	0.02	39	990	24	0.07	2	3	28
CC77155		<10	<1	0.09	10	3.14	535	<1	0.02	23	970	29	0.04	<2	2	35
CC77156		<10	<1	0.07	10	1.50	745	<1	0.02	24	880	48	0.06	<2	2	24
CC77157		10	<1	0.05	10	0.44	322	<1	0.02	10	410	37	0.03	<2	2	11
CC77158		<10	<1	0.06	10	0.74	773	<1	0.02	15	600	66	0.05	<2	2	14
CC77159		<10	<1	0.09	10	0.59	723	<1	0.02	22	520	97	0.05	<2	3	15
CC77160		<10	<1	0.15	10	4.40	610	<1	0.02	25	660	46	0.02	<2	2	40
CC77161		<10	<1	0.10	10	4.63	527	<1	0.02	19	720	41	0.04	<2	2	43
CC77162		<10	<1	0.06	10	1.11	657	<1	0.02	17	740	25	0.04	<2	2	19
CC77163		<10	<1	0.07	10	4.78	544	<1	0.03	13	720	21	0.05	<2	1	34
CC77164		<10	<1	0.07	10	1.42	652	<1	0.02	16	890	47	0.07	<2	1	24
CC77165		<10	<1	0.07	10	6.14	521	<1	0.02	13	820	26	0.02	<2	2	38
CC77166		<10	<1	0.09	10	4.20	541	<1	0.03	19	840	36	0.01	<2	2	40
CC77167		<10	<1	0.06	10	4.61	327	<1	0.02	12	830	35	0.02	<2	2	37
CC77168		<10	<1	0.07	10	2.68	466	<1	0.02	15	910	30	0.06	<2	2	31
CC77169		<10	<1	0.11	10	3.53	502	<1	0.02	30	1420	32	0.02	<2	3	61
CC77170		<10	<1	0.10	10	3.85	485	<1	0.02	19	900	51	0.03	<2	2	53
CC77171		<10	<1	0.15	10	2.12	987	<1	0.02	26	1000	91	0.05	3	2	27
CC77172		<10	<1	0.27	10	3.30	541	<1	0.02	31	860	28	0.01	<2	2	38
CC77173		<10	<1	0.32	10	2.43	493	<1	0.02	35	810	25	0.04	<2	1	53
CC77174		<10	<1	0.09	10	4.24	564	<1	0.02	15	710	34	0.02	<2	2	89
CC77175		<10	<1	0.09	10	6.56	518	<1	0.02	18	940	476	0.02	9	1	57
CC77176		<10	<1	0.08	10	1.78	663	<1	0.03	15	1190	49	0.12	2	1	31
CC77177		<10	<1	0.07	10	0.90	688	<1	0.03	16	1100	42	0.12	3	1	31
CC77178		<10	<1	0.07	10	3.56	615	<1	0.03	13	1210	56	0.09	9	1	44
CC77179		<10	<1	0.04	<10	8.91	285	<1	0.02	7	750	37	0.02	5	1	75
CC77180		<10	<1	0.11	10	2.82	698	<1	0.03	20	1390	73	0.07	4	2	37
CC77181		<10	<1	0.08	10	2.38	507	<1	0.03	20	720	36	0.03	3	3	29
CC77182		<10	<1	0.04	<10	9.97	735	<1	0.03	4	490	14	0.03	2	1	56
CC77183		<10	<1	0.09	10	4.46	540	<1	0.03	17	860	41	0.03	4	2	41

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10082197

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC77144		<20	0.01	<10	<10	34	<10	151
CC77145		<20	0.01	<10	<10	28	<10	168
CC77146		<20	0.01	<10	<10	31	<10	257
CC77147		<20	0.01	<10	<10	27	<10	115
CC77148		<20	0.01	<10	<10	25	<10	148
CC77149		<20	0.02	<10	<10	38	<10	297
CC77150		<20	0.01	<10	<10	29	<10	178
CC77151		<20	0.02	<10	<10	43	<10	243
CC77152		<20	0.02	<10	<10	40	<10	270
CC77153		<20	0.03	<10	<10	41	<10	188
CC77154		<20	0.02	<10	<10	40	<10	244
CC77155		<20	0.01	<10	<10	32	<10	158
CC77156		<20	0.02	<10	<10	38	<10	143
CC77157		<20	0.03	<10	<10	58	<10	127
CC77158		<20	0.02	<10	<10	48	<10	124
CC77159		<20	0.02	<10	<10	48	<10	148
CC77160		<20	0.01	<10	<10	34	<10	143
CC77161		<20	0.01	<10	<10	26	<10	126
CC77162		<20	0.02	<10	<10	49	<10	259
CC77163		<20	0.01	<10	<10	26	<10	147
CC77164		<20	0.01	<10	<10	34	<10	203
CC77165		<20	0.01	<10	<10	24	<10	177
CC77166		<20	0.03	<10	<10	31	<10	150
CC77167		<20	0.02	<10	<10	27	<10	155
CC77168		<20	0.02	<10	<10	27	<10	143
CC77169		<20	0.01	<10	<10	21	<10	124
CC77170		<20	0.01	<10	<10	20	<10	177
CC77171		<20	0.02	<10	<10	25	<10	215
CC77172		<20	0.05	<10	<10	19	<10	138
CC77173		<20	0.03	<10	<10	15	<10	130
CC77174		<20	0.01	<10	<10	10	<10	117
CC77175		<20	0.02	<10	<10	22	<10	201
CC77176		<20	0.01	<10	<10	28	<10	157
CC77177		<20	0.01	<10	<10	26	<10	168
CC77178		<20	0.02	<10	<10	26	<10	201
CC77179		<20	0.01	<10	<10	16	<10	126
CC77180		<20	0.02	<10	<10	39	<10	195
CC77181		<20	0.03	<10	<10	41	<10	104
CC77182		<20	0.01	<10	<10	21	<10	112
CC77183		<20	0.01	<10	<10	29	<10	224

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 6-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10082197

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC77184		0.12	0.009	0.7	1.22	24	<10	410	0.5	<2	2.24	1.2	9	22	27	2.53
CC77185		0.10	NSS	0.5	1.26	14	<10	400	<0.5	<2	2.00	0.7	9	25	22	2.30
CC77186		0.24	0.007	0.3	0.73	17	<10	140	<0.5	2	10.9	0.8	5	15	14	1.51
CC77187		0.12	0.005	0.4	1.39	20	<10	360	0.5	2	2.06	1.0	8	30	33	2.62
CC77188		0.16	0.011	0.5	1.43	18	<10	370	0.5	<2	2.80	0.8	9	31	33	2.70

***** See Appendix Page for comments regarding this certificate *****

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Project: RAU

Finalized Date: 6-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10082197

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC77184		<10	<1	0.12	10	0.66	650	<1	0.04	21	1100	39	0.10	4	2	25
CC77185		<10	<1	0.12	10	0.69	626	<1	0.04	22	860	23	0.10	2	2	25
CC77186		<10	<1	0.08	10	6.65	556	<1	0.03	19	600	22	0.04	7	1	48
CC77187		<10	<1	0.15	10	0.82	499	<1	0.03	32	1040	29	0.08	2	3	27
CC77188		<10	<1	0.16	10	1.31	676	<1	0.04	33	1010	25	0.10	3	2	32

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Project: RAU

Finalized Date: 6-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10082197

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC77184		<20	0.01	<10	<10	36	<10	244
CC77185		<20	0.02	<10	<10	37	<10	185
CC77186		<20	0.01	<10	<10	23	<10	265
CC77187		<20	0.02	<10	<10	41	<10	211
CC77188		<20	0.01	<10	<10	40	<10	175

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Project: RAU

Finalized Date: 6-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10082197

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non-sufficient sample.

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 4-JUL-2010
Account: RCM

CERTIFICATE VA10082198

Project: RAU

P.O. No.: Rau Trend Infill

This report is for 115 Soil samples submitted to our lab in Vancouver, BC, Canada on 21-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-31	Pulverize split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
SCR-43	Screen to -500um, discard plus
SCR-01	Screen - Save plus fraction

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Project: RAU

Finalized Date: 4-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10082198

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC76785		0.38	0.001	0.6	1.16	53	<10	160	0.5	2	5.90	1.4	8	21	21	3.06
CC76786		0.14	<0.001	0.2	1.35	16	<10	160	0.6	<2	1.15	0.5	9	22	19	3.01
CC76787		0.18	0.001	0.5	0.93	52	<10	220	<0.5	4	8.5	1.4	6	17	17	2.03
CC76788		0.18	0.004	0.5	1.04	97	<10	190	<0.5	4	9.1	1.6	6	19	24	2.37
CC76789		0.28	0.003	0.2	1.57	25	<10	260	0.6	<2	0.80	0.9	9	26	18	2.81
CC76790		0.32	0.003	1.3	0.83	172	<10	170	<0.5	3	11.7	11.9	6	24	27	2.24
CC76791		0.46	0.001	0.3	0.50	222	<10	130	0.5	<2	12.8	1.3	3	9	11	2.41
CC76792		0.12	0.001	0.3	1.15	35	<10	340	0.5	<2	2.55	1.2	7	19	17	2.41
CC76793		0.16	0.002	0.6	1.13	35	<10	390	0.5	2	3.63	1.3	7	20	20	2.79
CC76794		0.26	0.002	0.4	0.68	32	<10	150	<0.5	4	12.2	0.6	4	12	8	1.73
CC76795		0.20	0.001	0.4	0.76	42	<10	210	<0.5	2	9.3	0.8	5	13	12	1.83
CC76796		0.22	<0.001	0.5	1.47	25	<10	260	0.6	2	4.45	0.8	8	23	13	2.64
CC76797		0.14	<0.001	0.2	0.54	9	<10	140	<0.5	<2	5.79	0.5	3	8	14	1.03
CC76798		0.28	0.002	0.6	1.39	30	<10	240	0.6	3	1.57	1.1	10	24	30	2.93
CC76799		0.28	0.001	0.4	0.80	11	<10	140	<0.5	3	10.8	0.5	5	12	17	1.54
CC76800		0.16	<0.001	<0.2	1.07	8	<10	140	<0.5	<2	2.49	<0.5	7	18	24	2.72
CC76801		0.24	0.001	0.4	1.31	15	<10	240	0.5	<2	6.72	0.6	7	20	29	2.17
CC76802		0.34	0.001	0.4	1.39	19	<10	330	0.5	2	4.78	0.9	9	22	26	2.53
CC76803		0.10	<0.001	<0.2	0.57	5	<10	130	<0.5	<2	3.69	<0.5	3	15	19	0.79
CC76804		0.26	<0.001	0.2	0.82	6	<10	70	<0.5	2	10.5	<0.5	7	16	14	1.82
CC76805		0.28	0.001	0.2	0.66	9	<10	100	<0.5	<2	9.9	<0.5	6	12	11	1.44
CC76806		0.22	<0.001	0.2	0.83	7	<10	100	<0.5	<2	8.4	0.5	4	15	10	1.37
CC76807		0.22	0.001	0.2	1.16	17	<10	200	<0.5	<2	4.82	0.7	8	19	22	2.28
CC76808		0.26	<0.001	0.4	1.47	13	<10	180	0.6	<2	5.06	0.5	7	23	14	2.31
CC76809		0.20	<0.001	<0.2	0.79	7	<10	60	<0.5	<2	1.96	0.5	5	20	10	1.17
CC76810		0.34	0.001	0.4	0.76	11	<10	100	<0.5	<2	9.1	0.6	5	13	13	1.43
CC76811		0.20	<0.001	<0.2	0.72	9	<10	100	<0.5	<2	6.70	0.8	5	13	15	1.63
CC76812		0.32	<0.001	<0.2	0.69	13	<10	90	<0.5	<2	10.4	0.5	4	12	12	1.33
CC76813		0.38	<0.001	<0.2	0.66	10	<10	100	<0.5	<2	9.2	0.5	5	11	16	1.59
CC76814		0.32	<0.001	<0.2	0.20	4	<10	30	<0.5	<2	17.1	<0.5	2	4	4	0.47
CC76815		0.24	<0.001	<0.2	0.28	3	<10	30	<0.5	<2	14.6	<0.5	1	5	6	0.61
CC76816		0.28	0.004	0.2	2.11	13	<10	260	0.8	<2	0.40	<0.5	11	33	14	3.32
CC76817		0.38	<0.001	<0.2	0.76	9	<10	100	<0.5	<2	13.2	<0.5	3	12	6	1.00
CC76818		0.26	<0.001	0.2	1.31	15	<10	130	0.5	<2	5.53	<0.5	7	19	15	2.19
CC76819		0.10	<0.001	<0.2	0.76	9	<10	130	<0.5	<2	2.28	<0.5	10	11	31	2.56
CC76820		0.12	0.001	0.2	0.93	5	<10	90	<0.5	<2	3.43	<0.5	8	14	59	1.62
CC76821		0.26	<0.001	<0.2	1.76	13	<10	150	0.7	<2	1.51	0.5	11	27	18	3.13
CC76822		0.14	0.006	<0.2	0.88	5	<10	90	<0.5	<2	2.58	<0.5	14	12	53	1.81
CC76823		0.32	0.001	<0.2	1.59	3	<10	150	<0.5	<2	0.24	<0.5	15	32	44	7.21
CC76824		0.28	<0.001	<0.2	1.14	7	<10	60	<0.5	<2	6.40	<0.5	14	13	46	4.01

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10082198

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC76785		<10	<1	0.12	10	3.94	764	<1	0.03	22	800	106	0.04	3	3	37
CC76786		<10	<1	0.11	10	0.70	699	<1	0.03	23	480	32	0.05	2	3	19
CC76787		<10	<1	0.09	10	5.10	537	<1	0.03	14	880	51	0.06	4	2	35
CC76788		<10	<1	0.12	10	5.69	785	<1	0.03	20	870	46	0.03	6	2	37
CC76789		<10	<1	0.09	10	0.62	396	<1	0.03	20	470	31	0.04	3	3	16
CC76790		<10	<1	0.10	10	7.24	627	<1	0.03	15	770	241	0.05	13	2	38
CC76791		<10	<1	0.06	<10	7.82	512	1	0.02	7	1160	62	0.03	63	1	53
CC76792		<10	<1	0.09	10	0.72	826	<1	0.04	15	1080	53	0.12	7	2	28
CC76793		<10	<1	0.10	10	1.49	850	<1	0.03	17	1070	53	0.12	7	2	29
CC76794		<10	<1	0.08	10	7.50	572	<1	0.03	11	920	37	0.04	5	1	54
CC76795		<10	<1	0.06	10	5.21	797	<1	0.03	10	1200	35	0.07	5	1	46
CC76796		<10	<1	0.07	10	2.62	994	<1	0.03	17	1300	45	0.05	2	2	29
CC76797		<10	<1	0.04	<10	2.37	576	<1	0.03	7	850	23	0.16	2	1	24
CC76798		<10	<1	0.07	10	0.80	1035	<1	0.02	21	950	64	0.08	4	2	17
CC76799		<10	<1	0.06	10	6.56	944	<1	0.02	10	980	40	0.05	2	1	59
CC76800		<10	<1	0.12	10	1.36	389	<1	0.02	14	760	28	0.07	<2	2	27
CC76801		<10	<1	0.08	10	4.43	944	<1	0.03	15	780	48	0.05	2	2	24
CC76802		<10	<1	0.08	10	2.94	1160	<1	0.03	21	840	45	0.04	2	3	32
CC76803		<10	<1	0.09	<10	2.00	323	<1	0.02	9	920	9	0.13	<2	<1	33
CC76804		<10	<1	0.10	<10	6.42	341	<1	0.02	14	970	37	0.06	<2	1	54
CC76805		<10	<1	0.08	10	5.78	376	<1	0.03	9	1570	35	0.06	3	1	39
CC76806		<10	<1	0.05	<10	4.74	524	<1	0.03	8	1130	23	0.10	<2	1	39
CC76807		<10	1	0.09	10	3.13	626	<1	0.02	21	840	30	0.02	<2	2	26
CC76808		<10	1	0.06	10	3.39	566	<1	0.01	18	530	31	0.01	<2	3	28
CC76809		<10	1	0.03	10	0.93	403	<1	0.01	10	580	26	0.02	2	1	29
CC76810		<10	1	0.06	10	5.70	442	<1	0.01	13	710	39	<0.01	3	1	57
CC76811		<10	1	0.07	10	3.86	480	<1	0.01	13	960	22	0.05	<2	1	37
CC76812		<10	1	0.06	10	6.58	438	<1	0.01	12	810	29	<0.01	2	1	58
CC76813		<10	1	0.07	10	5.68	474	<1	0.02	14	700	21	<0.01	<2	2	46
CC76814		<10	1	0.02	<10	10.90	397	<1	0.01	4	280	61	<0.01	<2	1	73
CC76815		<10	1	0.03	10	9.02	258	<1	0.02	3	490	8	0.04	2	<1	61
CC76816		<10	1	0.07	20	0.70	411	1	0.01	23	140	21	<0.01	<2	5	12
CC76817		<10	1	0.04	10	8.59	261	<1	0.01	8	440	12	<0.01	<2	2	64
CC76818		<10	1	0.07	10	3.69	580	<1	0.02	18	680	22	0.01	2	2	38
CC76819		<10	1	0.16	20	0.61	483	<1	0.02	22	690	15	0.08	<2	2	39
CC76820		<10	1	0.09	10	0.79	829	<1	0.02	18	930	15	0.13	<2	1	67
CC76821		<10	1	0.08	10	1.13	787	1	0.01	22	510	31	0.01	<2	3	26
CC76822		<10	1	0.10	10	0.76	1920	<1	0.02	20	820	9	0.11	<2	1	92
CC76823		<10	<1	0.21	20	0.78	1310	<1	0.02	34	660	16	<0.01	2	3	16
CC76824		<10	1	0.16	20	3.83	823	<1	0.01	23	670	20	<0.01	<2	2	72

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 4-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10082198

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC76785		<20	0.02	<10	<10	40	<10	550
CC76786		<20	0.02	<10	<10	46	<10	134
CC76787		<20	0.01	<10	<10	29	<10	766
CC76788		<20	0.02	<10	<10	32	<10	560
CC76789		<20	0.03	<10	<10	51	<10	183
CC76790		<20	0.01	<10	<10	28	<10	1675
CC76791		<20	0.01	<10	<10	19	<10	927
CC76792		<20	0.01	<10	<10	35	<10	661
CC76793		<20	0.01	<10	<10	34	<10	970
CC76794		<20	0.01	<10	<10	23	<10	684
CC76795		<20	0.01	<10	<10	25	<10	738
CC76796		<20	0.02	<10	<10	51	<10	361
CC76797		<20	0.01	<10	<10	16	<10	184
CC76798		<20	0.02	<10	<10	45	<10	339
CC76799		<20	0.01	<10	<10	23	<10	184
CC76800		<20	0.01	<10	<10	16	<10	105
CC76801		<20	0.02	<10	<10	42	<10	197
CC76802		<20	0.02	<10	<10	42	<10	145
CC76803		<20	0.01	<10	<10	12	<10	48
CC76804		<20	0.01	<10	<10	15	<10	129
CC76805		<20	0.01	<10	<10	19	<10	143
CC76806		<20	0.01	<10	<10	23	<10	134
CC76807		<20	0.02	<10	<10	33	<10	139
CC76808		<20	0.02	<10	<10	41	<10	103
CC76809		<20	0.01	<10	<10	20	<10	88
CC76810		<20	0.01	<10	<10	22	<10	117
CC76811		<20	0.01	<10	<10	21	<10	136
CC76812		<20	0.01	<10	<10	18	<10	94
CC76813		<20	0.01	<10	<10	20	<10	96
CC76814		<20	<0.01	<10	<10	8	<10	76
CC76815		<20	0.01	<10	<10	8	<10	50
CC76816		<20	0.04	<10	<10	67	<10	90
CC76817		<20	0.01	<10	<10	22	<10	38
CC76818		<20	0.02	<10	<10	37	<10	95
CC76819		<20	0.01	<10	<10	17	<10	75
CC76820		<20	0.01	<10	<10	23	<10	89
CC76821		<20	0.02	<10	<10	51	<10	109
CC76822		<20	0.01	<10	<10	20	<10	51
CC76823		<20	0.17	<10	<10	63	<10	76
CC76824		<20	0.01	<10	<10	17	<10	60

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10082198

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC76825		0.14	<0.001	0.2	1.47	7	<10	140	0.5	<2	2.02	0.5	12	21	34	3.67
CC76826		0.36	0.010	<0.2	1.44	6	<10	70	<0.5	<2	6.06	<0.5	13	15	41	4.34
CC76827		0.22	<0.001	<0.2	1.60	4	<10	70	<0.5	<2	2.08	<0.5	9	16	31	4.18
CC76828		0.12	0.002	0.5	1.63	53	<10	530	0.6	<2	1.55	1.0	10	29	30	3.36
CC76829		0.12	<0.001	0.2	1.11	22	<10	270	<0.5	<2	7.7	0.7	8	20	22	2.31
CC76830		0.20	0.008	0.6	0.58	112	<10	150	<0.5	<2	12.4	1.7	3	10	13	2.03
CC76831		0.24	0.001	<0.2	0.65	66	<10	160	<0.5	<2	11.8	1.5	4	11	15	1.62
CC76832		0.16	0.005	1.5	1.11	70	<10	230	<0.5	<2	7.09	3.4	7	20	24	2.45
CC76833		0.16	0.001	<0.2	0.30	181	<10	60	<0.5	<2	15.2	4.8	1	4	7	1.94
CC76834		0.18	0.002	0.5	0.60	330	<10	90	<0.5	<2	11.6	28.5	3	9	37	2.96
CC76835		0.10	<0.001	0.3	1.29	163	<10	240	<0.5	<2	2.22	20.5	6	20	33	3.05
CC76836		0.34	0.002	0.6	1.12	31	<10	210	<0.5	<2	8.1	1.6	7	21	27	2.16
CC76837		0.16	<0.001	0.3	1.92	16	<10	380	0.7	<2	1.11	1.4	10	26	14	3.57
CC76838		0.08	NSS	0.3	0.67	15	<10	300	<0.5	<2	4.24	0.8	4	11	26	1.28
CC76839		0.10	0.001	<0.2	1.44	8	<10	210	0.5	<2	3.49	0.9	8	18	13	2.25
CC76840		0.24	<0.001	<0.2	2.07	10	<10	220	0.7	<2	0.82	0.5	10	29	11	3.04
CC76841		0.20	<0.001	<0.2	2.07	16	<10	200	0.8	<2	0.66	0.6	11	31	13	3.24
CC76842		0.20	0.002	0.2	1.78	14	<10	200	0.8	<2	0.55	0.5	11	29	15	2.97
CC76843		0.10	0.001	<0.2	1.86	5	<10	280	0.5	<2	0.75	<0.5	4	25	20	3.33
CC76844		0.14	0.001	0.2	1.69	23	<10	270	0.7	<2	1.74	0.6	9	26	18	3.09
CC76845		0.10	<0.001	0.3	1.03	10	<10	220	0.6	<2	4.36	1.2	6	17	38	1.55
CC76846		0.14	0.001	<0.2	1.46	14	<10	170	0.7	<2	3.33	0.6	8	26	19	2.42
CC76847		0.16	0.001	<0.2	0.69	8	<10	110	<0.5	<2	9.8	1.1	4	12	10	1.36
CC76848		0.22	<0.001	<0.2	1.29	11	<10	130	0.6	<2	6.12	<0.5	6	20	9	2.17
CC76849		0.22	<0.001	<0.2	1.51	9	<10	170	0.6	<2	7.0	<0.5	7	21	11	2.04
CC76850		0.20	<0.001	<0.2	2.33	16	<10	330	0.9	<2	0.59	<0.5	10	36	18	3.54
CC76851		0.18	<0.001	<0.2	2.00	13	<10	250	0.7	<2	0.92	<0.5	10	32	10	3.37
CC76852		0.12	0.001	<0.2	1.41	9	<10	140	0.5	<2	7.1	<0.5	6	21	10	2.08
CC76853		0.12	0.001	0.3	1.54	14	<10	220	0.6	<2	1.34	0.9	9	28	22	2.79
CC76854		0.24	0.001	<0.2	0.78	9	<10	90	<0.5	<2	10.6	<0.5	4	14	11	1.49
CC76855		0.30	<0.001	<0.2	0.63	8	<10	90	<0.5	<2	13.1	<0.5	2	10	10	1.14
CC76856		0.08	0.002	0.3	1.32	14	<10	250	0.6	2	2.91	1.0	7	22	27	2.43
CC76857		0.20	0.004	<0.2	1.98	15	<10	230	0.7	<2	1.00	<0.5	8	36	14	3.28
CC76858		0.36	<0.001	<0.2	0.57	9	<10	80	<0.5	2	14.1	<0.5	2	10	8	1.02
CC76859		0.28	0.001	<0.2	0.28	9	<10	40	<0.5	<2	17.3	0.5	1	6	7	0.78
CC76860		0.08	<0.001	<0.2	1.03	10	<10	240	<0.5	<2	2.47	0.5	11	16	37	3.36
CC76861		0.34	0.002	<0.2	0.92	11	<10	120	<0.5	<2	8.6	<0.5	7	15	23	2.67
CC76862		0.12	0.003	<0.2	0.86	17	<10	200	<0.5	<2	4.42	0.5	24	13	93	2.90
CC76863		0.06	0.001	<0.2	1.56	9	<10	140	0.5	<2	1.66	<0.5	12	20	27	3.69
CC76864		0.06	<0.001	<0.2	1.13	6	<10	160	<0.5	<2	1.86	<0.5	5	14	15	1.97

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CERTIFICATE OF ANALYSIS VA10082198

Sample Description	Method Analyte Units LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
CC76825		<10	1	0.13	20	1.10	1090	<1	0.02	22	850	20	0.05	<2	2	35
CC76826		<10	1	0.13	20	3.83	814	<1	<0.01	23	690	20	<0.01	2	2	60
CC76827		<10	1	0.16	20	1.85	550	<1	0.02	17	660	17	0.02	<2	2	27
CC76828		<10	1	0.16	10	0.73	789	1	0.02	30	850	52	0.06	6	3	21
CC76829		<10	1	0.16	10	4.87	582	1	0.03	24	810	28	<0.01	3	2	41
CC76830		<10	1	0.07	10	7.74	501	1	0.02	10	640	58	0.01	5	1	48
CC76831		<10	1	0.07	10	7.49	664	1	0.02	13	680	37	0.01	5	1	37
CC76832		<10	1	0.11	10	4.56	765	2	0.02	22	780	184	0.03	6	2	33
CC76833		<10	1	0.03	10	9.53	630	1	0.02	5	640	33	0.01	4	1	56
CC76834		<10	1	0.06	10	7.37	668	1	0.02	9	870	68	0.02	27	1	45
CC76835		<10	1	0.07	10	0.67	698	1	0.02	15	630	63	0.08	18	2	21
CC76836		<10	1	0.12	10	5.20	613	1	0.02	23	870	72	<0.01	3	2	37
CC76837		10	1	0.05	10	0.52	1370	<1	0.02	18	580	39	0.04	2	3	14
CC76838		<10	1	0.07	10	1.03	735	<1	0.04	10	1070	45	0.20	4	1	30
CC76839		<10	1	0.06	10	1.75	1510	<1	0.03	12	720	44	0.07	2	2	22
CC76840		10	1	0.06	20	0.68	637	1	0.02	19	260	20	<0.01	<2	4	13
CC76841		10	1	0.07	10	0.63	1120	<1	0.02	25	190	54	<0.01	2	4	13
CC76842		<10	1	0.07	20	0.53	865	1	0.02	24	440	31	<0.01	<2	4	12
CC76843		10	<1	0.34	40	1.17	202	1	0.04	10	650	16	0.03	<2	2	20
CC76844		10	<1	0.11	10	1.24	636	1	0.02	23	560	48	0.04	<2	3	15
CC76845		<10	<1	0.07	10	0.78	754	<1	0.02	13	1550	47	0.16	2	1	24
CC76846		10	<1	0.10	10	1.92	531	<1	0.03	18	1040	22	0.06	<2	2	23
CC76847		<10	<1	0.08	10	5.87	573	<1	0.03	7	790	37	0.02	<2	1	39
CC76848		<10	<1	0.07	10	4.07	468	<1	0.02	11	760	33	0.02	<2	2	28
CC76849		<10	<1	0.07	10	4.31	522	<1	0.03	13	730	12	0.02	<2	2	32
CC76850		10	<1	0.10	20	0.72	871	<1	0.02	26	330	21	<0.01	<2	7	14
CC76851		10	<1	0.10	10	0.80	740	<1	0.02	18	490	22	0.01	<2	4	15
CC76852		10	<1	0.09	10	4.32	455	<1	0.03	12	760	16	0.03	<2	2	33
CC76853		<10	<1	0.10	10	0.69	748	<1	0.02	19	1130	29	0.05	<2	2	18
CC76854		<10	<1	0.08	10	6.50	335	<1	0.02	9	740	19	<0.01	<2	2	47
CC76855		<10	<1	0.08	10	8.16	215	<1	0.02	7	610	13	<0.01	<2	1	55
CC76856		<10	<1	0.11	10	0.84	664	<1	0.03	18	1240	24	0.11	<2	1	34
CC76857		10	<1	0.08	20	0.85	482	1	0.02	22	510	36	0.02	<2	4	15
CC76858		<10	<1	0.06	10	8.82	249	<1	0.02	5	580	20	<0.01	<2	1	61
CC76859		<10	<1	0.03	<10	10.95	148	<1	0.02	2	380	62	<0.01	2	1	71
CC76860		<10	<1	0.15	20	0.79	749	1	0.02	22	1040	18	0.08	<2	2	46
CC76861		<10	<1	0.10	10	5.39	662	<1	0.01	15	730	23	<0.01	<2	2	50
CC76862		<10	<1	0.17	20	1.14	2450	<1	0.02	37	830	20	0.03	<2	2	43
CC76863		<10	<1	0.20	20	1.06	785	<1	0.03	18	650	17	0.06	<2	3	31
CC76864		<10	<1	0.11	10	0.50	528	<1	0.03	7	680	10	0.07	<2	1	41

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 4-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10082198

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC76825		<20	0.02	<10	<10	30	<10	84
CC76826		<20	0.02	<10	<10	21	<10	66
CC76827		<20	0.01	<10	<10	20	<10	74
CC76828		<20	0.02	<10	<10	46	<10	513
CC76829		<20	0.02	<10	<10	35	<10	176
CC76830		<20	0.01	<10	<10	18	<10	575
CC76831		<20	0.01	<10	<10	20	<10	431
CC76832		<20	0.02	<10	<10	32	<10	574
CC76833		<20	0.01	<10	<10	11	<10	1585
CC76834		<20	0.01	<10	<10	21	10	3050
CC76835		<20	0.02	<10	<10	43	<10	874
CC76836		<20	0.01	<10	<10	32	<10	389
CC76837		<20	0.03	<10	<10	60	<10	322
CC76838		<20	0.01	<10	<10	22	<10	268
CC76839		<20	0.02	<10	<10	44	<10	248
CC76840		<20	0.04	<10	<10	66	<10	128
CC76841		<20	0.03	<10	<10	63	<10	158
CC76842		<20	0.03	<10	<10	54	<10	97
CC76843		<20	<0.01	<10	<10	20	<10	72
CC76844		<20	0.01	<10	<10	45	<10	136
CC76845		<20	<0.01	<10	<10	27	<10	200
CC76846		<20	0.01	<10	<10	41	<10	129
CC76847		<20	<0.01	<10	<10	19	<10	113
CC76848		<20	0.01	<10	<10	37	<10	98
CC76849		<20	0.01	<10	<10	42	<10	57
CC76850		<20	0.02	<10	<10	63	<10	93
CC76851		<20	0.02	<10	<10	60	<10	158
CC76852		<20	0.01	<10	<10	37	<10	82
CC76853		<20	0.01	<10	<10	45	<10	189
CC76854		<20	0.01	<10	<10	22	<10	90
CC76855		<20	<0.01	<10	<10	17	<10	54
CC76856		<20	<0.01	<10	<10	34	<10	132
CC76857		<20	0.01	<10	<10	57	<10	109
CC76858		<20	<0.01	<10	<10	16	<10	65
CC76859		<20	<0.01	<10	<10	7	<10	110
CC76860		<20	<0.01	<10	<10	23	<10	134
CC76861		<20	<0.01	<10	<10	24	<10	83
CC76862		<20	0.01	<10	<10	30	<10	76
CC76863		<20	<0.01	<10	<10	29	<10	79
CC76864		<20	<0.01	<10	<10	32	<10	37

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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10082198

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC76865		0.26	<0.001	<0.2	1.45	8	<10	110	<0.5	2	3.64	<0.5	12	16	31	4.79
CC76866		0.10	0.001	<0.2	1.74	10	<10	280	0.6	<2	1.04	0.5	10	26	22	3.06
CC76867		0.26	0.002	<0.2	1.60	14	<10	220	0.6	<2	0.94	<0.5	11	24	30	3.56
CC76868		0.18	0.001	<0.2	1.02	13	<10	130	<0.5	<2	4.37	0.6	9	16	29	2.76
CC76869		0.20	0.002	<0.2	1.75	7	<10	100	<0.5	2	4.24	<0.5	15	17	65	5.14
CC76870		0.22	0.002	0.2	1.05	16	<10	280	<0.5	<2	8.6	0.6	5	20	19	1.94
CC76871		0.22	0.002	0.2	1.01	19	<10	300	<0.5	<2	8.4	0.8	6	20	19	1.94
CC76872		0.22	0.004	0.4	0.78	18	<10	280	<0.5	<2	10.7	0.9	4	13	15	1.45
CC76873		0.20	0.001	0.4	0.69	22	<10	230	<0.5	<2	11.1	1.1	4	12	10	1.39
CC76874		0.12	<0.001	0.6	1.20	23	<10	520	<0.5	<2	3.59	2.4	6	19	22	2.19
CC76875		0.12	0.004	0.9	1.35	45	<10	670	0.5	<2	1.82	2.2	8	24	24	2.89
CC76876		0.14	0.010	1.0	0.48	19	<10	340	<0.5	<2	7.3	1.2	3	9	16	1.45
CC76877		0.06	0.010	1.2	0.39	25	<10	680	<0.5	<2	6.05	1.3	2	8	13	1.63
CC76878		0.14	0.002	<0.2	0.53	15	<10	150	<0.5	<2	12.5	0.8	3	8	9	1.64
CC76879		0.08	0.009	<0.2	0.81	9	<10	210	<0.5	2	4.99	0.7	4	12	16	1.61
CC76880		0.16	0.001	<0.2	1.20	13	<10	180	0.5	<2	9.1	0.6	6	17	10	2.06
CC76881		0.06	0.005	<0.2	1.60	18	<10	370	0.6	2	1.66	0.6	9	26	18	2.65
CC76882		0.04	<0.001	<0.2	0.39	5	<10	290	<0.5	<2	4.99	0.8	2	7	24	0.54
CC76883		0.18	0.002	0.2	1.55	21	<10	270	0.6	2	0.98	<0.5	9	26	20	3.24
CC76884		0.10	<0.001	<0.2	0.74	114	<10	120	<0.5	4	0.73	<0.5	4	13	17	2.49
CC76885		0.16	<0.001	<0.2	2.34	14	<10	280	0.6	2	0.87	<0.5	9	32	10	3.11
CC76886		0.16	<0.001	<0.2	1.01	9	<10	110	<0.5	<2	8.8	<0.5	5	18	10	1.57
CC76887		0.14	0.001	<0.2	1.38	24	<10	330	0.6	<2	2.94	<0.5	8	23	16	2.91
CC76888		0.10	<0.001	<0.2	1.56	15	<10	230	0.6	2	2.78	0.8	8	24	17	2.85
CC76889		0.12	0.001	<0.2	0.84	9	<10	180	<0.5	<2	11.7	0.5	5	13	9	1.22
CC76890		0.14	<0.001	<0.2	1.13	19	<10	130	0.5	3	6.91	<0.5	6	17	12	2.04
CC76891		0.26	0.001	<0.2	0.66	17	<10	140	<0.5	<2	15.1	<0.5	3	12	14	1.16
CC76892		0.24	0.001	0.4	1.18	14	<10	180	0.5	<2	8.5	<0.5	5	19	17	1.87
CC76893		0.12	0.001	<0.2	2.07	14	<10	270	0.7	<2	1.01	0.5	8	31	9	3.25
CC76894		0.20	0.002	<0.2	0.77	11	<10	80	<0.5	<2	9.6	<0.5	5	15	18	1.86
CC76895		0.08	0.001	<0.2	1.16	9	<10	150	0.5	2	2.75	0.9	6	18	15	2.16
CC76896		0.18	0.001	<0.2	1.45	15	<10	160	0.6	2	2.02	<0.5	9	26	25	2.89
CC76897		0.24	0.002	<0.2	0.45	10	<10	60	<0.5	3	14.4	<0.5	3	9	11	1.09
CC76898		0.10	0.001	<0.2	1.03	13	<10	150	0.5	<2	5.50	0.6	7	18	24	2.26
CC76899		0.14	0.005	<0.2	1.28	9	<10	90	<0.5	2	1.40	<0.5	12	18	39	4.22

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 4-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10082198

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC76865		<10	<1	0.13	20	2.93	881	<1	0.01	17	710	17	0.01	<2	3	47
CC76866		10	<1	0.11	10	0.68	648	<1	0.02	18	780	20	0.03	<2	3	25
CC76867		<10	<1	0.10	20	0.85	638	<1	0.02	23	780	23	0.02	<2	3	20
CC76868		<10	<1	0.09	10	2.84	637	<1	0.02	19	820	21	0.03	<2	2	30
CC76869		10	<1	0.24	30	3.29	719	<1	0.01	24	790	16	<0.01	<2	3	71
CC76870		<10	<1	0.12	10	5.38	485	<1	0.02	18	730	34	0.01	<2	2	34
CC76871		<10	<1	0.13	10	5.16	600	<1	0.02	18	730	38	0.01	<2	2	34
CC76872		<10	<1	0.08	10	6.52	535	<1	0.02	10	720	33	0.01	<2	1	31
CC76873		<10	<1	0.07	10	6.84	531	<1	0.02	9	580	32	0.01	2	1	36
CC76874		<10	<1	0.10	10	1.00	727	<1	0.03	15	990	65	0.13	<2	1	25
CC76875		<10	<1	0.12	10	0.73	746	1	0.03	18	800	108	0.06	2	2	19
CC76876		<10	<1	0.09	10	4.16	580	<1	0.01	6	1010	165	0.01	3	1	34
CC76877		<10	<1	0.10	10	3.10	599	<1	0.03	5	1560	163	0.08	4	1	38
CC76878		<10	<1	0.06	10	7.34	1160	<1	0.03	4	1210	50	0.04	2	1	51
CC76879		<10	1	0.06	<10	1.68	1370	<1	0.03	10	1040	33	0.14	<2	1	30
CC76880		<10	<1	0.05	10	5.75	1070	<1	0.03	12	730	23	0.04	2	2	34
CC76881		<10	<1	0.09	10	0.56	971	1	0.02	16	770	30	0.07	4	2	20
CC76882		<10	1	0.02	<10	0.82	477	<1	0.04	5	1000	5	0.20	<2	<1	37
CC76883		10	<1	0.12	10	0.66	787	1	0.02	24	660	32	0.04	2	3	14
CC76884		<10	<1	0.21	20	0.26	161	<1	0.01	8	500	25	0.06	3	2	14
CC76885		10	1	0.06	10	0.67	308	1	0.02	19	230	24	0.02	3	3	15
CC76886		<10	<1	0.06	<10	5.32	464	<1	0.02	10	810	26	0.06	<2	1	39
CC76887		<10	<1	0.09	10	1.94	621	1	0.02	21	620	46	0.03	2	3	19
CC76888		<10	<1	0.07	10	1.43	977	<1	0.02	17	1140	23	0.06	2	2	23
CC76889		<10	<1	0.04	<10	7.24	802	<1	0.02	8	760	20	0.03	<2	1	56
CC76890		<10	<1	0.06	10	3.89	486	<1	0.02	11	960	30	0.06	<2	1	40
CC76891		<10	1	0.09	<10	8.81	443	<1	0.02	10	640	21	0.02	<2	1	72
CC76892		<10	<1	0.05	10	5.42	562	<1	0.02	14	820	27	0.03	2	2	39
CC76893		10	1	0.05	10	0.60	496	<1	0.01	14	590	23	0.04	<2	3	17
CC76894		<10	<1	0.07	10	6.16	450	<1	0.02	14	790	23	0.03	<2	2	55
CC76895		<10	<1	0.05	10	0.59	926	1	0.02	9	950	30	0.11	3	1	26
CC76896		10	<1	0.07	10	1.40	615	1	0.02	21	560	29	0.03	<2	3	22
CC76897		<10	<1	0.05	<10	8.97	381	<1	0.02	6	580	24	0.02	2	1	72
CC76898		<10	<1	0.08	10	3.01	570	<1	0.02	15	930	35	0.08	<2	2	45
CC76899		<10	<1	0.08	20	1.09	705	<1	0.01	22	870	22	0.06	3	2	19

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Project: RAU

CERTIFICATE OF ANALYSIS VA10082198

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC76865		<20	<0.01	<10	<10	19	<10	62
CC76866		<20	0.01	<10	<10	45	<10	85
CC76867		<20	0.01	<10	<10	41	<10	95
CC76868		<20	0.01	<10	<10	26	<10	95
CC76869		<20	<0.01	<10	<10	22	<10	78
CC76870		<20	0.01	<10	<10	30	<10	195
CC76871		<20	0.01	<10	<10	30	<10	189
CC76872		<20	<0.01	<10	<10	24	<10	200
CC76873		<20	<0.01	<10	<10	20	<10	260
CC76874		<20	<0.01	<10	<10	31	<10	347
CC76875		<20	0.01	<10	<10	40	<10	497
CC76876		<20	<0.01	<10	<10	14	<10	390
CC76877		<20	<0.01	<10	<10	13	<10	418
CC76878		<20	<0.01	<10	<10	18	<10	321
CC76879		<20	0.02	<10	<10	25	<10	217
CC76880		<20	0.02	<10	<10	35	<10	163
CC76881		<20	0.02	<10	<10	45	<10	120
CC76882		<20	0.01	<10	<10	8	<10	63
CC76883		<20	0.02	<10	<10	44	<10	107
CC76884		<20	<0.01	<10	<10	13	<10	48
CC76885		<20	0.04	<10	<10	65	<10	95
CC76886		<20	0.02	<10	<10	28	<10	110
CC76887		<20	0.02	<10	<10	38	<10	118
CC76888		<20	0.02	<10	<10	43	<10	90
CC76889		<20	0.01	<10	<10	22	<10	56
CC76890		<20	0.02	<10	<10	30	<10	111
CC76891		<20	0.01	<10	<10	19	<10	83
CC76892		<20	0.02	<10	<10	31	<10	78
CC76893		<20	0.03	<10	<10	65	<10	111
CC76894		<20	0.02	<10	<10	23	<10	105
CC76895		<20	0.02	<10	<10	33	<10	186
CC76896		<20	0.03	<10	<10	45	<10	120
CC76897		<20	0.01	<10	<10	14	<10	76
CC76898		<20	0.02	<10	<10	28	<10	140
CC76899		<20	0.01	<10	<10	22	<10	101

***** See Appendix Page for comments regarding this certificate *****

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Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 4-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10082198

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non-sufficient sample.

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 6-JUL-2010
Account: RCM

CERTIFICATE VA10082227

Project: RAU

P.O. No.: BATCH 13

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 21-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LOG-23	Pulp Login - Rcvd with Barcode
CRU-31	Fine crushing - 70% <2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Project: RAU

Finalized Date: 6-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10082227

Sample Description	Method	Au-AA26	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Au	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	ppm	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.01	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
I074933		0.01	3.12	1.88	9.16	1530	1740	1.77	32.0	1.20	2.11	157.5	72.0	62	3.03	31.3
I074934		0.02	2.22	0.68	9.29	1345	2880	2.19	3.76	0.83	2.43	111.0	62.6	63	3.90	52.9
I074935		0.02	2.16	3.04	9.19	1935	1630	3.86	8.17	0.66	4.13	112.5	25.1	81	7.88	57.7
I074936		0.01	4.24	0.01	0.10	11	10	0.06	0.08	21.1	0.06	1.60	1.4	3	0.17	2.1
I074937		0.02	0.82	4.64	7.49	3240	5630	3.86	43.3	0.84	8.13	114.5	13.5	119	8.73	49.7
I074938		0.21	1.16	14.70	2.52	9020	>10000	1.85	733	0.31	19.45	27.0	9.7	37	2.92	33.6
I074939		0.06	0.56	15.75	0.95	>10000	>10000	0.91	611	0.32	19.25	26.5	8.4	15	0.43	36.8
I074940		0.21	0.86	22.0	1.52	>10000	>10000	0.92	259	0.48	20.0	36.7	9.7	24	2.14	44.8
I074941		0.02	1.12	10.05	3.13	>10000	1630	1.25	6.26	0.32	18.20	50.3	18.5	24	3.65	44.0
I074942		0.01	2.06	1.69	5.14	8510	1000	1.62	2.98	0.36	11.60	67.4	19.7	35	5.84	47.9
I074943		0.01	1.00	1.51	4.93	8510	900	1.35	1.75	0.31	9.95	56.6	15.7	31	4.64	47.1
I074944		0.01	2.60	11.30	7.70	3800	2350	2.40	12.50	0.26	4.74	37.6	25.3	75	8.76	28.0
I074945		0.02	2.74	61.9	6.94	3860	2200	2.13	16.95	0.33	5.26	45.9	24.8	70	5.68	59.3
I074946		<0.01	4.22	0.11	0.08	11	10	0.06	0.10	20.7	0.07	1.37	1.1	1	0.14	1.3
I074947		0.01	1.30	0.81	5.86	3800	890	2.12	0.18	0.48	8.33	53.9	28.8	39	13.25	71.4
I074948		0.02	2.46	0.68	7.32	191	1840	2.01	0.36	11.60	2.56	118.5	54.8	46	9.61	38.0
I074949		0.02	3.02	0.58	7.98	262	2160	1.92	0.23	8.66	2.29	130.5	70.6	51	14.50	48.5
I074950		<0.01	1.38	0.44	6.93	143.5	1870	1.43	0.06	7.33	2.80	94.9	38.9	42	5.49	23.2
I074951		1.37	0.26	0.54	5.19	66.5	90	1.12	1.09	0.99	0.13	14.80	21.7	161	27.4	453
I074952		0.07	1.90	0.39	9.10	788	3660	2.18	4.41	1.28	2.63	142.0	53.5	66	7.39	63.3
I074953		0.01	5.04	0.04	0.08	21	30	0.15	0.21	20.3	0.04	2.37	1.6	5	0.28	2.4
I074954		<0.01	3.98	0.04	0.06	21	30	0.22	0.24	20.0	0.08	1.99	1.3	3	0.24	2.5
I074955		<0.01	4.54	0.29	8.79	2.3	2860	2.70	2.26	1.90	0.05	122.5	22.7	178	27.9	33.1
I074956		<0.01	2.64	0.43	9.33	0.8	2180	2.83	0.13	1.36	<0.02	141.5	13.5	150	69.1	2.6
I074957		<0.01	3.94	0.47	8.24	1.0	770	2.45	37.0	1.82	<0.02	101.0	11.7	89	22.3	28.2
I074958		<0.01	4.72	0.59	8.16	1.2	2050	2.51	0.92	2.00	0.03	119.5	13.3	96	25.5	24.5
I074959		<0.01	2.04	0.32	8.46	0.4	2850	3.14	1.12	1.79	0.02	124.0	14.5	133	13.70	22.2
I074960		<0.01	2.82	0.55	8.17	1.8	1740	2.39	3.69	2.94	<0.02	119.0	17.1	81	20.3	33.7
I074961		1.95	0.28	0.23	0.26	>10000	30	0.08	265	13.65	0.23	16.25	2.6	6	1.26	24.5
I074962		<0.01	5.96	0.52	8.07	14.9	330	2.63	25.5	1.85	<0.02	106.5	23.9	178	26.4	54.4
I074963		0.01	5.04	0.88	6.74	6.1	1120	1.64	143.0	3.32	<0.02	98.4	32.4	123	32.8	117.5
I074964		<0.01	3.02	0.28	7.97	15.1	2580	2.26	13.25	0.83	0.02	113.5	15.3	130	14.85	14.1
I074965		<0.01	5.32	0.30	7.79	18.9	480	2.50	1.31	1.50	<0.02	121.5	26.5	155	13.00	18.6
I074966		<0.01	5.64	0.31	6.80	13.3	880	1.31	0.54	6.96	0.04	114.5	14.5	30	25.8	10.0
I074967		0.01	4.96	0.32	7.92	16.6	160	2.16	1.46	2.25	0.04	72.3	16.4	82	13.75	13.5
I074968		<0.01	5.56	0.21	4.61	17.0	450	0.91	0.33	5.38	0.08	77.8	9.6	36	10.20	8.1

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 6-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10082227

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I074933		12.25	28.4	0.35	1.5	0.069	2.67	78.4	22.5	2.92	662	1.15	0.10	10.6	151.0	4940
I074934		11.50	31.5	0.35	0.5	0.069	3.45	49.9	14.6	2.39	575	0.69	0.05	13.7	139.0	3950
I074935		21.7	34.1	0.52	1.3	0.165	2.46	57.5	17.5	0.54	750	1.55	0.06	32.9	125.0	3180
I074936		0.48	0.29	<0.05	<0.1	<0.005	0.04	0.8	1.3	13.65	209	0.12	0.01	0.5	2.6	210
I074937		21.6	21.6	0.46	2.7	0.153	2.80	76.0	24.7	0.72	1700	2.24	0.02	11.5	94.8	4180
I074938		46.5	10.90	1.03	1.4	0.119	0.82	17.0	5.1	0.32	681	4.47	<0.01	12.3	61.9	1380
I074939		>50	4.07	0.89	0.2	0.151	0.13	12.7	1.7	0.18	1180	3.00	<0.01	1.8	55.5	1230
I074940		49.6	5.48	1.00	0.4	0.611	0.35	20.4	2.9	0.20	1640	7.42	<0.01	5.7	47.4	910
I074941		46.4	9.01	0.84	0.9	0.142	0.84	27.4	5.7	0.20	3450	1.68	0.02	14.9	45.5	880
I074942		38.5	14.90	0.94	0.4	0.094	1.58	28.7	8.5	0.24	3510	1.28	0.03	14.4	55.6	2000
I074943		39.4	12.55	0.82	0.4	0.084	1.53	24.6	6.8	0.23	3770	1.13	0.03	11.6	44.7	1750
I074944		25.0	22.3	0.74	0.3	0.130	3.22	14.7	16.0	0.44	2750	6.91	0.06	46.9	96.5	1370
I074945		27.8	22.6	0.76	0.4	0.134	2.32	17.5	14.4	0.36	2990	22.1	0.05	62.9	95.8	2100
I074946		0.48	0.26	<0.05	<0.1	<0.005	0.03	0.7	1.0	13.45	202	0.40	0.01	0.4	2.1	190
I074947		32.4	17.45	0.70	0.4	0.102	1.86	19.9	9.9	0.46	3520	0.99	0.03	10.6	78.9	2760
I074948		8.98	21.6	0.29	0.8	0.100	2.97	57.2	8.0	0.60	1680	0.97	0.07	54.1	90.9	3130
I074949		8.89	23.4	0.30	0.9	0.113	3.30	61.2	15.7	1.19	1480	0.82	0.06	54.4	122.5	2980
I074950		14.85	17.35	0.32	0.6	0.067	2.77	47.2	7.3	0.48	1810	0.73	0.08	25.4	79.5	3300
I074951		2.02	13.55	0.11	1.6	0.041	3.48	8.5	7.3	0.40	298	4.32	1.19	2.5	490	460
I074952		15.00	24.4	0.39	0.8	0.064	3.45	69.9	9.3	0.52	1020	6.30	0.07	10.1	152.5	2990
I074953		0.34	0.25	<0.05	<0.1	<0.005	0.03	1.5	2.9	13.25	227	0.38	0.01	0.2	6.5	100
I074954		0.34	0.28	0.16	<0.1	0.006	0.02	1.3	2.5	13.05	180	0.23	0.01	0.2	5.1	380
I074955		4.57	26.9	0.25	1.1	0.052	5.52	64.2	56.8	1.98	238	2.75	0.34	61.4	103.0	3370
I074956		7.97	24.3	0.34	2.9	0.069	4.98	76.8	64.5	1.41	332	0.85	0.21	99.3	65.7	4680
I074957		6.19	27.0	0.28	1.8	0.047	5.78	50.1	43.9	1.51	131	0.92	0.35	88.6	55.2	5700
I074958		4.92	26.4	0.28	1.4	0.056	4.99	60.1	49.7	1.72	182	1.99	0.33	99.1	52.6	4230
I074959		3.56	27.6	0.29	1.6	0.049	6.67	62.5	40.5	1.34	99	3.71	0.20	98.2	57.2	3870
I074960		3.78	26.3	0.30	2.1	0.048	5.17	63.9	50.7	2.22	199	1.65	0.23	135.0	40.0	1710
I074961		15.95	1.75	0.30	0.2	0.135	0.11	7.9	2.0	7.59	3290	5.11	0.01	1.8	8.5	200
I074962		7.26	27.1	0.30	1.3	0.053	4.96	47.9	59.6	3.03	142	0.56	0.15	63.8	62.0	3320
I074963		13.70	19.15	0.36	5.3	0.042	4.72	49.1	52.0	3.88	266	0.96	0.12	62.0	58.9	1780
I074964		2.18	25.2	0.24	2.2	0.050	5.55	58.5	47.4	1.90	73	0.67	0.13	74.7	23.8	1390
I074965		5.50	24.6	0.31	2.5	0.054	4.67	59.8	42.2	1.66	101	0.96	0.16	67.2	26.4	1360
I074966		5.11	20.5	0.25	2.7	0.035	3.66	58.8	37.8	4.16	451	0.59	0.27	50.1	27.4	580
I074967		5.56	26.7	0.26	1.6	0.047	5.19	30.9	44.3	1.72	120	0.49	0.28	55.5	26.7	1360
I074968		3.75	13.75	0.20	1.2	0.027	2.25	42.7	21.5	3.12	220	0.49	0.13	38.3	20.8	1040

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CERTIFICATE OF ANALYSIS VA10082227

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I074933		17.9	76.9	0.003	0.02	25.6	17.1	2	4.1	37.6	0.56	0.25	5.1	0.376	0.84	2.4
I074934		8.0	98.6	0.003	0.02	22.7	19.5	2	4.0	38.0	0.78	0.11	4.3	0.480	0.83	2.3
I074935		227	120.5	0.005	0.02	42.0	20.3	3	7.1	42.1	1.64	0.19	6.1	0.907	1.56	4.9
I074936		1.5	1.5	<0.002	0.01	0.23	0.4	1	<0.2	43.8	<0.05	<0.05	<0.2	0.006	<0.02	0.5
I074937		262	119.5	0.004	0.15	30.1	14.5	3	3.1	83.8	0.52	0.23	8.0	0.323	1.49	5.6
I074938		1130	59.0	0.013	0.37	110.5	5.8	10	5.6	41.1	0.60	2.49	2.0	0.290	0.75	7.5
I074939		631	8.4	0.021	0.39	98.3	3.0	4	2.4	53.8	0.08	1.80	0.5	0.034	0.43	7.2
I074940		444	19.4	0.009	0.32	64.4	6.0	5	4.0	62.2	0.12	1.18	1.5	0.069	0.40	7.0
I074941		68.1	33.7	0.002	0.06	5.18	6.4	3	1.5	29.6	0.73	0.05	2.0	0.623	0.33	4.2
I074942		41.4	60.2	0.002	0.02	7.79	9.7	3	2.0	20.2	0.84	<0.05	2.9	0.654	0.46	4.3
I074943		27.8	52.8	0.002	0.02	5.47	8.2	2	1.6	16.5	0.67	<0.05	2.5	0.588	0.36	3.7
I074944		46.9	72.4	0.002	0.04	10.40	13.1	3	2.6	27.1	2.60	0.09	2.8	1.650	0.79	3.5
I074945		35.8	56.8	0.004	0.05	9.51	13.1	3	2.5	27.7	2.92	0.12	2.7	1.815	0.62	4.2
I074946		1.3	1.3	<0.002	0.01	0.09	0.3	1	<0.2	45.2	<0.05	<0.05	<0.2	0.006	<0.02	0.5
I074947		8.9	84.3	<0.002	0.03	5.05	12.1	3	1.2	26.2	0.58	<0.05	2.4	0.672	1.05	4.4
I074948		24.7	113.0	0.002	0.01	3.63	14.9	3	2.1	60.1	3.01	<0.05	4.0	1.630	0.82	1.9
I074949		12.2	133.5	0.004	0.04	2.86	15.7	3	2.4	49.9	3.02	<0.05	4.7	1.670	1.28	1.8
I074950		6.8	70.3	0.002	0.03	3.27	11.9	4	1.7	35.0	1.42	<0.05	3.3	0.887	0.79	1.6
I074951		167.5	920	<0.002	0.30	2.62	3.0	1	3.1	47.0	1.87	0.18	1.9	0.082	7.24	0.7
I074952		26.2	107.0	0.002	0.10	8.49	16.4	7	3.0	47.9	0.60	0.06	5.4	0.392	1.42	3.6
I074953		1.5	2.0	<0.002	0.01	0.39	0.4	2	<0.2	66.8	<0.05	<0.05	<0.2	<0.005	0.03	1.5
I074954		3.3	1.2	<0.002	0.02	0.39	0.4	2	<0.2	60.0	<0.05	<0.05	<0.2	<0.005	0.02	3.6
I074955		5.1	237	<0.002	1.42	0.23	21.4	2	13.8	113.0	3.48	0.06	7.7	0.992	2.43	1.0
I074956		2.1	351	<0.002	0.26	0.17	21.6	3	6.0	91.9	5.64	<0.05	12.9	1.310	3.98	1.2
I074957		4.0	240	<0.002	2.32	0.52	14.6	4	13.8	160.5	4.86	0.27	9.7	0.830	2.43	1.6
I074958		3.5	215	0.002	1.75	0.29	12.2	3	14.6	135.0	5.78	0.10	8.6	0.884	2.56	1.0
I074959		2.9	308	0.008	1.36	0.42	18.2	3	19.7	116.0	5.52	0.10	10.2	0.965	1.82	1.0
I074960		2.6	222	0.003	1.70	0.26	10.1	3	8.9	79.2	7.62	0.10	11.5	0.783	1.84	1.0
I074961		9.2	15.2	0.002	>10.0	11.50	0.8	2	2.4	88.5	0.09	0.26	0.6	0.024	0.23	0.5
I074962		2.6	251	<0.002	4.11	0.55	21.0	3	11.6	56.5	3.58	0.19	6.2	0.775	2.18	1.0
I074963		3.7	346	0.003	5.34	2.05	10.1	3	12.8	53.5	3.62	0.53	14.3	0.584	2.10	4.1
I074964		3.2	250	<0.002	1.24	0.36	15.4	2	9.7	49.1	4.30	0.08	15.2	0.922	1.42	2.4
I074965		3.3	194.5	<0.002	5.55	0.27	20.1	3	3.4	33.9	3.78	0.05	11.5	0.942	1.03	2.4
I074966		3.1	95.8	<0.002	4.84	0.28	8.4	2	2.9	81.2	3.49	<0.05	15.7	0.420	1.14	0.6
I074967		4.1	116.0	<0.002	5.93	0.39	14.5	2	4.9	61.4	3.54	<0.05	9.9	0.697	1.15	0.8
I074968		3.7	63.3	<0.002	3.80	0.47	5.9	2	1.7	50.5	2.41	<0.05	9.4	0.393	0.49	0.5

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 6-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10082227

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	As-OG62
	Analyte	V	W	Y	Zn	Zr	As
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
I074933		191	137.0	19.4	1960	47.7	
I074934		222	167.5	18.0	1030	21.8	
I074935		223	271	23.2	3390	47.7	
I074936		4	0.6	0.9	18	0.6	
I074937		300	206	26.7	3390	103.5	
I074938		110	970	17.2	5640	44.0	
I074939		47	1400	20.4	6610	4.3	1.200
I074940		52	730	30.4	8760	16.5	1.255
I074941		98	75.2	29.4	4110	36.1	1.270
I074942		125	90.1	25.7	3130	17.1	
I074943		122	64.1	23.6	2910	15.5	
I074944		231	161.0	9.6	1770	14.0	
I074945		212	229	14.2	1880	15.1	
I074946		4	0.6	0.8	18	0.5	
I074947		141	36.3	24.6	2300	15.4	
I074948		180	19.2	26.6	769	30.3	
I074949		193	9.0	27.1	823	35.8	
I074950		158	13.2	20.7	844	22.0	
I074951		21	9.1	3.4	139	67.4	
I074952		298	9.7	24.3	592	33.1	
I074953		14	0.3	1.6	10	1.0	
I074954		11	0.2	1.7	16	1.1	
I074955		185	5.9	25.0	26	47.1	
I074956		139	1.3	31.2	30	131.0	
I074957		117	6.7	24.2	15	82.4	
I074958		121	5.9	24.7	27	59.5	
I074959		151	307	30.3	17	73.2	
I074960		95	57.6	26.7	27	92.1	
I074961		10	62.7	7.3	60	7.2	2.84
I074962		172	4.8	26.1	20	62.0	
I074963		153	4.2	26.1	25	225	
I074964		136	6.0	21.2	18	90.8	
I074965		139	2.6	24.9	16	102.0	
I074966		46	1.7	23.7	30	98.7	
I074967		101	2.7	17.6	16	62.5	
I074968		50	1.5	18.5	24	47.4	

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Project: RAU

Finalized Date: 6-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10082227

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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Finalized Date: 6-JUL-2010
Account: RCM

CERTIFICATE VA10082228

Project: RAU

P.O. No.: BATCH 11

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 21-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LOG-23	Pulp Login - Rcvd with Barcode
CRU-31	Fine crushing - 70% <2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

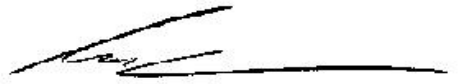
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:



Colin Ramshaw, Vancouver Laboratory Manager

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Project: RAU

Finalized Date: 6-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10082228

Sample Description	Method	WEI-21	Au-AA26	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
I074861		6.04	<0.01	0.39	0.09	<5	30	0.12	147.0	14.95	0.03	73.2	1.2	1	0.78	24.5
I074862		5.62	0.01	0.23	0.07	6	30	0.07	54.6	16.50	0.05	8.19	3.1	2	0.42	24.5
I074863		5.70	<0.01	0.05	0.10	5	50	0.22	2.86	18.75	0.02	7.83	1.4	2	0.80	7.3
I074864		5.42	<0.01	0.02	0.09	<5	20	0.06	1.37	19.65	0.02	7.88	1.0	3	0.51	1.6
I074865		5.44	<0.01	0.02	0.10	5	20	0.10	0.40	20.1	0.04	5.57	1.1	4	1.03	1.2
I074866		0.30	2.82	0.67	0.16	1410	20	<0.05	100.0	14.75	1.79	11.15	1.9	12	0.96	34.2
I074867		4.90	<0.01	0.02	0.08	<5	20	0.10	0.87	20.7	0.10	5.20	1.0	4	0.54	1.3
I074868		5.36	0.01	0.04	0.07	5	20	0.15	1.47	20.0	0.05	6.43	1.0	3	0.64	2.0
I074869		5.64	0.02	0.07	0.09	135	30	0.11	21.9	18.10	0.03	5.68	1.1	4	0.33	2.2
I074870		5.40	<0.01	0.03	0.10	<5	30	0.13	1.52	21.1	0.04	6.29	1.0	4	0.68	1.1
I074871		5.52	<0.01	0.05	0.13	12	50	0.11	1.17	20.6	0.03	7.32	1.3	4	0.84	3.6
I074872		5.68	<0.01	0.06	0.09	<5	20	0.16	17.95	19.95	0.03	8.01	1.4	3	0.83	7.9
I074873		5.32	0.04	0.36	0.12	50	10	0.09	36.8	17.00	0.02	6.31	2.8	2	1.07	17.7
I074874		2.54	0.02	0.39	0.12	70	10	0.05	25.9	16.50	0.03	6.22	4.1	2	0.99	24.5
I074875		5.22	<0.01	0.05	0.16	<5	20	0.20	4.73	19.75	0.02	7.19	1.6	4	1.45	4.9
I074876		5.88	0.01	0.98	0.16	54	20	0.20	155.5	12.35	0.13	19.30	7.7	1	1.27	86.6
I074877		5.26	0.01	0.83	0.23	22	20	0.23	7.61	18.85	2.29	6.28	1.6	5	0.78	7.6
I074878		2.78	0.01	1.62	0.34	54	10	0.28	5.19	18.00	1.44	7.39	1.2	4	0.85	6.0
I074879		6.08	0.06	7.27	0.54	203	10	0.23	34.7	6.02	16.20	11.75	2.8	<1	0.22	12.3
I074880		3.98	<0.01	2.10	0.68	7	20	0.34	37.6	19.15	0.56	6.86	1.7	10	1.62	4.8
I074881		5.68	0.02	6.16	0.20	151	10	0.21	73.8	14.25	3.94	3.44	1.7	4	0.53	51.5
I074882		5.40	0.01	4.51	0.16	135.5	10	0.16	158.0	4.63	11.95	1.28	2.5	12	0.76	87.1
I074883		5.40	<0.01	0.40	0.14	24	10	0.20	1.06	20.4	0.20	4.31	0.7	5	0.66	1.4
I074884		2.06	0.01	0.10	0.27	130	20	0.12	7.46	18.65	0.04	5.14	0.9	9	1.90	3.2
I074885		4.44	0.05	0.94	0.10	646	10	0.07	176.5	6.13	0.06	2.81	0.9	10	0.73	7.6
I074886		4.78	0.01	0.06	0.17	40	10	0.12	3.87	20.0	0.04	5.62	0.7	8	0.51	2.3
I074887		4.26	0.01	0.01	0.06	<5	20	0.06	0.08	21.4	0.07	1.14	1.1	2	0.13	2.2
I074888		5.34	0.02	0.20	0.22	133	30	0.11	39.2	14.55	0.10	7.46	1.8	6	2.00	15.5
I074889		5.32	0.02	0.21	0.42	91	70	0.24	7.61	17.55	0.46	5.29	2.1	10	5.06	7.4
I074890		1.56	0.02	0.23	9.28	163.5	90	3.19	18.65	1.94	<0.02	95.6	23.4	141	9.70	11.7
I074891		4.34	0.01	0.25	8.01	126.0	40	3.55	7.18	1.48	<0.02	97.5	46.2	134	8.24	13.1
I074892		4.10	0.01	0.03	0.09	<5	20	0.07	0.07	21.3	0.07	1.30	1.3	3	0.14	1.9
I074893		0.28	3.81	0.22	0.09	>10000	10	0.11	231	9.53	0.06	6.42	1.3	9	0.61	29.4
I074894		8.20	0.03	0.10	0.42	200	200	0.18	0.46	34.5	0.24	5.52	3.0	9	0.28	4.2
I074895		5.52	0.03	0.15	1.07	188	430	0.52	0.25	28.7	0.27	8.78	2.5	19	0.69	3.2
I074896		3.34	0.11	0.60	0.33	394	260	0.13	4.52	35.1	0.65	5.95	1.5	9	0.26	3.2

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 6-JUL-2010
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CERTIFICATE OF ANALYSIS VA10082228

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I074861		8.54	1.06	0.21	<0.1	0.016	0.05	48.0	2.9	11.05	508	0.66	0.01	0.2	1.4	80
I074862		8.26	0.48	0.18	0.1	0.009	0.03	4.7	2.4	11.20	455	0.82	0.01	0.1	3.1	20
I074863		2.19	0.76	0.09	<0.1	0.008	0.06	4.4	3.8	12.25	458	1.85	0.01	0.2	2.3	10
I074864		0.47	0.60	0.18	<0.1	0.006	0.04	4.9	2.5	12.70	506	3.44	0.01	0.2	1.4	10
I074865		0.27	0.84	0.23	<0.1	0.006	0.07	3.1	3.4	13.05	539	3.65	0.01	0.2	0.7	10
I074866		10.30	1.47	0.41	0.1	0.057	0.08	5.7	2.4	8.74	1790	5.26	0.01	1.1	10.2	90
I074867		0.35	0.57	0.20	<0.1	0.007	0.04	3.1	2.8	13.35	662	1.05	0.01	0.2	1.2	20
I074868		0.63	0.69	0.20	<0.1	0.009	0.04	3.6	2.9	13.10	670	0.72	0.01	0.1	1.1	10
I074869		4.07	0.50	0.11	<0.1	0.005	0.02	3.4	2.0	11.65	583	1.20	0.01	0.2	1.5	<10
I074870		0.38	0.78	0.22	<0.1	0.007	0.05	3.4	2.8	13.50	745	1.16	0.01	0.2	0.6	10
I074871		1.14	0.81	0.11	<0.1	0.007	0.06	3.8	2.9	13.15	683	9.80	0.01	0.2	0.7	10
I074872		2.27	0.83	0.09	<0.1	0.010	0.06	3.9	2.4	12.25	783	3.15	0.01	0.2	0.3	10
I074873		8.42	0.85	0.20	<0.1	0.018	0.07	3.3	1.7	10.85	815	1.17	0.01	0.2	0.2	10
I074874		10.15	0.81	0.24	<0.1	0.026	0.07	3.3	1.7	10.30	786	1.25	0.01	0.2	1.8	10
I074875		1.52	1.24	0.09	0.1	0.015	0.11	3.8	2.4	12.40	694	2.00	0.01	0.3	<0.2	10
I074876		14.85	1.34	0.30	<0.1	0.032	0.07	12.0	3.3	8.95	631	7.02	0.01	0.2	3.7	20
I074877		3.05	1.57	0.07	0.1	0.248	0.09	3.0	2.5	11.20	2400	1.31	0.01	0.4	1.8	10
I074878		3.49	2.12	0.10	0.2	0.577	0.09	3.7	2.6	10.75	3710	0.63	0.02	0.6	1.0	20
I074879		23.1	5.90	0.43	0.2	13.40	0.01	8.2	1.3	5.28	31500	1.21	0.05	0.6	4.7	10
I074880		1.07	3.29	0.07	0.3	0.285	0.14	3.7	2.4	12.05	1560	2.47	0.05	1.5	4.0	20
I074881		6.51	1.48	0.15	0.1	1.020	0.07	1.9	2.3	9.06	3360	25.9	0.01	0.2	0.7	20
I074882		10.70	1.46	0.19	<0.1	0.932	0.06	0.6	1.9	3.20	2090	29.9	0.01	0.4	2.4	<10
I074883		0.69	0.83	0.12	0.1	0.021	0.05	2.5	2.4	12.05	679	17.60	0.01	1.3	<0.2	10
I074884		3.83	1.74	0.10	0.1	0.022	0.12	2.5	2.8	11.15	800	3.12	0.01	0.7	<0.2	10
I074885		12.85	0.87	0.23	<0.1	0.048	0.02	1.3	1.0	3.54	462	30.5	0.01	0.4	1.1	<10
I074886		1.68	1.17	0.06	0.1	0.013	0.02	3.0	1.9	11.90	930	7.37	0.02	0.5	<0.2	<10
I074887		0.48	0.31	0.18	<0.1	<0.005	0.01	0.6	1.1	12.85	213	0.12	0.01	0.3	<0.2	280
I074888		6.60	1.51	0.15	0.1	0.021	0.11	3.7	2.4	9.23	873	10.80	0.01	0.7	4.6	10
I074889		5.20	2.41	0.14	0.4	0.025	0.30	2.7	3.5	10.25	1040	11.50	0.01	1.9	5.5	60
I074890		9.78	28.2	0.28	1.0	0.039	5.03	45.6	38.1	1.72	89	1.59	0.09	50.9	87.5	3380
I074891		9.70	25.7	0.26	1.0	0.056	4.55	46.5	59.4	0.98	52	2.54	0.13	39.6	114.0	5180
I074892		0.47	0.38	0.21	<0.1	<0.005	0.03	0.6	1.4	12.80	203	0.71	0.01	0.5	<0.2	210
I074893		21.1	0.92	0.41	0.1	0.117	0.04	2.6	1.4	5.36	1870	5.62	<0.01	1.2	7.4	80
I074894		0.60	1.42	0.07	0.3	0.005	0.21	4.6	1.9	1.25	267	0.10	<0.01	2.6	1.8	140
I074895		1.32	3.87	0.10	0.6	0.012	0.54	7.3	5.8	3.35	351	0.18	0.01	5.7	7.0	320
I074896		0.98	1.49	0.05	0.2	0.039	0.13	4.7	0.9	0.46	588	0.16	0.01	2.0	<0.2	110

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 6-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10082228

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I074861		7.7	9.4	<0.002	4.60	1.00	0.6	3	1.0	54.0	<0.05	0.30	1.1	<0.005	0.08	2.3
I074862		3.8	4.8	0.002	4.87	0.97	0.5	5	0.2	56.8	<0.05	0.15	0.3	<0.005	0.08	2.8
I074863		2.7	10.6	0.002	1.48	0.17	0.5	3	0.9	57.4	<0.05	<0.05	0.2	<0.005	0.08	1.0
I074864		1.7	6.5	0.003	0.23	0.21	0.5	2	0.3	53.5	<0.05	<0.05	0.2	<0.005	0.05	0.8
I074865		2.4	12.6	0.002	0.09	0.16	0.5	2	0.2	52.0	<0.05	<0.05	0.2	<0.005	0.08	1.2
I074866		109.0	12.5	0.045	>10.0	5.31	1.9	6	4.3	80.2	0.06	0.19	0.6	0.012	0.52	0.2
I074867		2.8	5.9	<0.002	0.16	0.17	0.5	2	0.2	53.1	<0.05	<0.05	<0.2	<0.005	0.06	1.0
I074868		3.1	7.6	<0.002	0.29	0.23	0.6	2	0.8	61.4	<0.05	<0.05	<0.2	<0.005	0.06	0.7
I074869		2.0	3.6	0.002	4.42	0.40	0.6	2	0.3	67.9	<0.05	0.07	0.2	0.005	0.05	1.2
I074870		2.2	8.7	0.002	0.15	0.15	0.7	2	0.5	82.9	<0.05	<0.05	0.2	0.005	0.05	0.9
I074871		1.8	12.3	0.002	0.93	0.27	0.8	4	0.3	89.5	<0.05	<0.05	0.3	0.005	0.07	1.7
I074872		4.8	12.4	<0.002	1.22	0.41	1.3	4	0.6	72.5	<0.05	<0.05	<0.2	<0.005	0.06	0.6
I074873		2.8	14.5	0.002	6.81	0.59	0.6	8	0.3	56.3	<0.05	0.13	1.0	<0.005	0.08	0.8
I074874		3.3	13.9	0.002	7.99	0.59	0.6	10	0.3	56.6	<0.05	0.15	<0.2	<0.005	0.08	0.3
I074875		1.2	23.1	0.002	0.81	0.17	0.8	3	0.9	60.2	<0.05	<0.05	0.3	0.007	0.09	1.0
I074876		9.8	14.0	0.002	>10.0	2.16	0.9	13	1.0	52.9	<0.05	0.42	0.3	0.005	0.17	1.0
I074877		143.5	13.0	<0.002	1.92	1.69	0.8	3	3.4	86.2	<0.05	<0.05	0.2	0.012	0.16	0.5
I074878		125.5	15.8	<0.002	2.39	1.09	1.0	5	4.2	68.6	<0.05	<0.05	0.4	0.017	0.13	0.7
I074879		642	1.0	0.002	5.98	3.04	1.2	4	10.0	19.8	<0.05	0.13	0.6	0.016	0.21	1.0
I074880		42.3	24.1	<0.002	0.31	2.27	1.7	2	4.0	58.2	0.11	0.11	1.1	0.043	0.15	1.0
I074881		225	11.2	0.003	5.62	5.38	0.6	7	25.0	39.9	<0.05	0.22	0.2	0.007	0.18	1.0
I074882		183.0	11.3	0.002	8.90	10.35	0.4	12	18.4	16.0	<0.05	0.34	<0.2	0.006	0.24	0.5
I074883		3.1	11.2	0.003	0.41	0.29	0.5	2	0.9	51.9	<0.05	<0.05	0.2	0.007	0.07	0.4
I074884		2.1	24.1	0.002	3.94	0.91	0.8	3	0.4	64.6	<0.05	<0.05	0.3	0.014	0.16	1.3
I074885		6.0	6.3	0.002	>10.0	3.99	0.6	12	0.8	21.4	<0.05	0.29	<0.2	0.005	0.07	1.3
I074886		1.4	5.8	0.003	1.50	0.69	0.7	2	0.3	76.6	<0.05	<0.05	0.3	0.010	0.05	0.8
I074887		1.1	1.1	<0.002	0.02	<0.05	0.3	1	<0.2	47.9	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
I074888		5.0	19.5	0.006	6.96	2.07	1.5	6	0.4	62.6	<0.05	0.10	0.4	0.012	0.20	5.8
I074889		3.3	51.7	0.002	5.46	0.64	1.6	6	0.5	90.0	0.09	0.06	0.7	0.032	0.37	0.9
I074890		2.6	258	<0.002	>10.0	0.57	16.8	3	10.7	22.5	2.51	0.21	8.0	0.670	1.50	0.9
I074891		1.7	185.0	<0.002	>10.0	0.33	18.3	2	9.2	42.6	2.05	0.14	9.0	0.491	1.14	0.8
I074892		1.0	1.7	<0.002	0.04	<0.05	0.4	1	<0.2	48.7	<0.05	<0.05	<0.2	<0.005	<0.02	0.7
I074893		6.0	7.1	<0.002	>10.0	23.8	0.3	4	3.2	67.2	0.05	0.65	0.2	0.006	0.15	0.4
I074894		1.7	8.4	0.002	0.10	0.81	1.3	1	<0.2	141.5	0.12	<0.05	0.4	0.058	0.05	0.4
I074895		1.8	23.3	<0.002	0.06	1.46	2.9	1	0.3	130.0	0.29	<0.05	0.9	0.141	0.11	0.6
I074896		3.2	6.2	<0.002	0.03	0.97	1.2	2	0.2	116.0	0.09	<0.05	0.3	0.044	0.06	0.3

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Project: RAU

Finalized Date: 6-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10082228

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	As-OG62
	Analyte	V	W	Y	Zn	Zr	As
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
I074861		9	1.3	6.5	9	0.6	
I074862		8	2.6	5.6	8	0.9	
I074863		10	1.8	5.4	5	1.2	
I074864		12	1.5	4.4	5	1.1	
I074865		10	2.3	3.7	8	1.3	
I074866		9	2040	6.3	355	3.7	
I074867		6	2.0	3.9	20	1.2	
I074868		9	4.5	5.1	10	0.9	
I074869		7	1.7	4.6	5	1.2	
I074870		6	33.2	4.8	7	1.3	
I074871		10	7.1	5.1	7	1.6	
I074872		8	6.9	5.8	8	0.9	
I074873		7	45.6	4.1	5	1.2	
I074874		8	41.5	4.2	6	1.2	
I074875		8	28.8	5.7	6	2.3	
I074876		11	22.2	4.9	29	1.3	
I074877		9	3.3	3.6	709	3.1	
I074878		9	2.8	3.0	311	5.6	
I074879		9	1.9	3.0	3680	6.6	
I074880		9	2.8	3.0	127	10.7	
I074881		8	8.1	2.0	894	2.0	
I074882		7	16.3	1.1	2210	1.7	
I074883		5	2.6	2.7	39	2.0	
I074884		11	2.6	3.9	9	4.4	
I074885		5	15.2	2.8	12	1.3	
I074886		8	3.4	3.3	11	3.6	
I074887		3	0.2	0.8	16	0.5	
I074888		19	339	6.1	17	4.6	
I074889		17	7.8	4.9	62	15.3	
I074890		126	11.2	27.8	6	41.0	
I074891		122	6.2	32.1	10	39.5	
I074892		3	0.3	0.9	16	0.5	
I074893		3	288	5.0	12	3.5	5.94
I074894		12	0.4	5.2	37	10.4	
I074895		20	0.8	7.5	57	24.8	
I074896		8	0.8	5.6	60	8.4	

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1016-510 W HASTINGS ST
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Project: RAU

Finalized Date: 6-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10082228

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 9-JUL-2010
Account: RCM

CERTIFICATE VA10082229

Project: RAU

P.O. No.: Batch 12

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 21-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Ag-GRA21	Ag 30g FA-GRAV finish	WST-SIM
Cu-OG62	Ore Grade Cu - Four Acid	VARIABLE
As-OG62	Ore Grade As - Four Acid	VARIABLE
ME-XRF05	Trace Level XRF Analysis	XRF
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Project: RAU

Finalized Date: 9-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10082229

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA26 Au ppm 0.01	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
I074897		0.34	0.15	2.40	7.54	4570	2620	1.41	53.0	11.05	3.64	47.2	14.7	31	2.76	66.6
I074898		4.64	0.57	5.11	4.94	7440	1410	1.05	131.0	0.76	7.95	45.0	21.9	117	7.86	85.1
I074899		3.58	0.67	6.61	3.41	>10000	1310	0.74	221	0.81	4.07	29.2	12.9	73	6.15	73.5
I074900		1.78	0.07	0.37	0.97	423	350	0.36	4.60	29.4	0.81	10.30	5.2	19	1.75	4.6
I074901		2.62	0.05	0.15	0.89	249	200	0.39	2.92	23.0	0.19	10.55	3.7	18	1.29	4.7
I074902		3.38	0.09	0.39	1.24	888	370	0.44	6.50	30.5	1.00	10.90	6.7	27	1.73	6.3
I074903		4.52	0.63	23.3	1.64	7300	750	0.46	346	2.61	4.60	18.35	11.3	39	4.53	50.8
I074904		4.00	<0.01	0.02	0.08	24	20	0.10	0.19	22.2	0.08	1.26	1.0	3	0.18	1.9
I074905		1.74	0.63	2.27	1.15	>10000	1240	0.41	210	2.76	6.53	13.70	8.3	28	1.02	31.5
I074906		1.44	0.11	2.71	0.80	4950	970	0.34	19.90	10.10	3.68	8.57	5.6	30	2.00	19.9
I074907		1.22	0.11	3.01	0.90	6260	1850	0.42	12.85	9.34	4.19	11.90	6.1	26	2.33	24.0
I074908		2.40	0.14	1.52	1.97	7150	1220	0.86	12.65	18.40	3.99	15.95	9.7	39	3.42	129.5
I074909		1.52	0.14	1.37	2.52	6110	620	1.15	13.80	14.55	3.40	18.60	11.6	45	3.97	58.3
I074910		1.88	0.29	7.45	1.49	9570	1380	0.70	91.2	2.88	5.12	12.75	10.0	32	1.25	25.3
I074911		1.02	0.06	0.93	1.24	3050	690	0.61	5.47	25.5	3.80	11.05	6.6	21	1.62	8.9
I074912		0.26	0.40	7.28	5.26	9.7	70	1.33	1.32	1.39	0.04	18.70	8.7	31	20.5	14.0
I074913		1.18	0.06	0.40	2.30	2930	470	0.93	6.35	25.5	1.73	13.50	8.0	33	4.32	15.2
I074914		0.96	0.07	0.78	2.20	1280	660	0.81	7.15	26.6	2.83	17.15	11.1	35	3.80	18.8
I074915		1.14	0.12	0.88	4.19	1490	1020	1.29	9.72	21.0	3.47	35.7	16.1	42	4.97	26.1
I074916		1.20	0.32	1.02	7.09	4790	2430	2.49	12.55	0.66	1.56	63.7	36.7	58	6.05	96.6
I074917		1.40	0.08	0.45	8.88	3260	2320	2.66	1.48	0.87	1.48	130.5	59.8	70	5.29	78.9
I074918		1.14	0.02	19.10	9.16	2580	2340	1.85	1.40	1.59	1.01	188.0	74.0	64	10.05	95.6
I074919		0.26	8.76	22.1	5.14	9.4	50	1.72	1.06	1.43	0.02	6.19	8.7	38	54.8	18.0
I074920		2.88	0.25	>100	6.02	758	1380	4.65	1.29	12.15	1.77	111.5	47.5	58	11.95	6610
I074921		0.66	0.03	33.9	8.38	684	1830	2.18	1.36	9.42	1.18	101.5	44.4	57	15.80	39.6
I074922		4.36	0.01	3.78	6.56	648	1210	1.58	0.86	13.75	3.17	90.9	44.7	43	14.40	23.7
I074923		3.10	0.02	1.07	5.34	914	1520	1.17	0.53	16.80	5.51	81.5	38.6	28	11.95	15.0
I074924		2.84	0.07	3.38	4.78	646	1030	1.01	1.31	16.85	5.97	76.4	43.7	23	10.10	49.0
I074925		2.62	0.01	2.50	6.09	608	970	1.29	0.28	14.00	3.25	103.5	48.3	34	8.49	16.3
I074926		2.70	0.01	4.64	5.27	533	770	1.08	0.80	16.40	6.18	77.6	46.3	28	10.45	26.4
I074927		3.22	0.03	6.68	6.73	723	1360	1.68	0.33	12.20	19.10	92.8	44.3	36	12.10	55.6
I074928		2.60	0.03	3.83	9.31	752	3000	2.29	0.73	3.78	9.44	107.0	54.4	56	15.95	43.2
I074929		1.30	0.02	4.23	9.02	691	7280	2.49	0.80	3.46	7.86	90.5	49.5	56	14.80	43.6
I074930		1.56	<0.01	4.35	9.34	2330	1790	2.21	1.43	0.92	4.51	116.0	45.5	64	11.45	44.8
I074931		4.24	0.06	0.06	0.10	<5	30	0.07	0.03	20.2	0.06	1.38	0.9	2	0.16	2.7
I074932		0.68	<0.01	0.89	9.53	2590	1710	2.17	5.06	0.81	2.98	132.0	53.5	64	3.55	35.4

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 9-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10082229

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I074897		8.88	14.80	0.21	4.8	0.127	0.39	23.7	34.3	0.51	2140	1.28	0.08	8.5	32.4	740
I074898		22.6	18.15	0.43	1.4	0.224	1.65	27.0	20.2	1.03	3270	3.85	0.07	8.0	93.3	1430
I074899		35.8	16.65	0.66	1.2	0.263	1.26	16.7	8.7	0.58	4700	5.46	0.05	5.4	61.4	1480
I074900		1.35	4.09	0.05	0.6	0.033	0.40	7.7	4.5	3.47	1340	0.32	0.01	4.8	10.0	240
I074901		1.31	3.73	0.07	0.5	0.018	0.44	7.5	7.0	8.00	707	0.16	0.01	5.3	8.0	280
I074902		2.23	5.38	0.08	0.8	0.028	0.39	8.0	9.3	1.80	1500	0.44	0.02	7.3	14.5	450
I074903		39.8	8.72	0.73	0.7	0.155	0.68	9.8	5.0	0.32	3280	6.46	0.02	1.9	34.9	890
I074904		0.52	0.30	0.05	<0.1	<0.005	0.02	0.6	1.2	13.10	216	0.12	0.01	0.3	<0.2	230
I074905		47.0	7.48	0.80	0.6	0.163	0.54	6.9	2.4	0.26	2760	7.11	0.02	1.9	27.7	730
I074906		12.60	4.45	0.17	0.4	0.053	0.33	6.3	2.0	0.18	1180	1.96	0.02	1.7	21.2	380
I074907		11.70	4.87	0.21	0.4	0.051	0.38	8.6	2.3	0.17	1330	2.15	0.03	2.1	22.4	410
I074908		15.50	10.40	0.28	0.9	0.094	0.83	10.6	5.4	0.59	1890	2.51	0.02	6.7	35.3	790
I074909		14.95	14.20	0.29	1.2	0.076	1.07	12.9	10.5	0.96	1390	1.87	0.03	6.1	41.0	860
I074910		37.0	10.25	0.69	0.8	0.212	0.71	8.6	3.0	0.25	2130	6.11	0.02	2.1	34.9	640
I074911		7.93	7.17	0.16	0.6	0.126	0.52	8.2	3.9	0.36	1220	1.32	0.01	4.5	19.7	460
I074912		2.11	17.35	0.11	1.5	0.022	3.55	10.2	11.3	0.63	303	10.40	1.29	2.5	8.2	460
I074913		6.95	10.70	0.13	1.1	0.051	0.71	9.5	11.1	1.03	1120	0.88	0.02	10.0	32.6	740
I074914		4.51	9.07	0.12	1.0	0.072	0.77	11.3	11.2	1.05	2130	1.01	0.02	9.5	31.7	640
I074915		5.75	14.75	0.16	1.8	0.071	1.50	19.3	17.5	1.54	1960	0.75	0.03	17.3	42.7	1030
I074916		18.80	33.9	0.37	1.1	0.147	2.68	37.6	13.7	1.26	634	1.31	0.07	9.3	116.5	2080
I074917		14.10	31.2	0.40	2.1	0.135	2.77	58.3	15.5	1.03	565	0.94	0.09	14.3	155.0	3200
I074918		11.05	29.4	0.30	0.5	0.142	3.41	82.6	14.3	1.44	753	0.60	0.08	12.7	175.5	4190
I074919		2.19	16.20	0.11	1.0	0.022	3.58	2.6	20.3	0.64	304	21.3	1.18	2.1	14.1	620
I074920		5.08	22.6	1.58	2.6	0.124	1.95	60.1	33.3	1.44	2840	2.96	0.05	35.6	976	2010
I074921		5.51	29.4	0.26	0.6	0.074	3.31	44.9	25.6	1.68	1890	0.45	0.12	57.6	103.0	1380
I074922		5.65	21.0	0.14	0.3	0.073	2.08	39.8	23.9	1.95	3340	0.69	0.03	46.9	91.2	1900
I074923		5.46	15.95	0.12	0.3	0.066	1.63	42.4	25.3	1.73	6000	0.79	0.01	40.3	76.2	2430
I074924		5.38	15.05	0.10	0.3	0.063	1.15	40.8	19.4	1.97	4860	0.65	0.02	32.0	72.9	3020
I074925		5.81	19.25	0.15	0.2	0.066	1.59	49.4	25.5	1.96	2450	0.23	0.02	47.0	94.5	3570
I074926		5.87	16.75	0.10	0.2	0.066	1.13	36.7	21.3	2.38	3180	0.29	0.02	42.2	86.7	2750
I074927		5.85	20.2	0.13	1.6	0.140	1.57	45.4	29.6	1.75	3270	1.76	0.03	41.4	142.5	2710
I074928		7.89	29.1	0.21	2.9	0.176	2.03	49.6	34.1	2.29	4720	2.21	0.04	50.0	175.0	2440
I074929		7.71	24.6	0.15	2.3	0.148	2.03	40.9	30.6	2.34	4750	1.64	0.01	38.3	175.5	2050
I074930		15.00	25.8	0.23	0.3	0.093	3.01	53.9	21.6	3.44	2440	0.21	0.09	26.4	146.0	3150
I074931		0.47	0.34	0.09	<0.1	<0.005	0.04	0.7	1.1	12.75	205	0.10	0.01	0.4	1.2	220
I074932		14.80	26.5	0.19	0.4	0.084	3.96	45.2	18.9	1.75	1920	0.55	0.10	6.4	132.5	3600

***** See Appendix Page for comments regarding this certificate *****

ALS Chemex
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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 9-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10082229

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I074897		78.7	26.3	0.003	0.02	11.50	9.3	2	1.9	73.0	0.53	0.13	5.1	0.400	0.55	1.4
I074898		216	117.5	0.003	0.02	25.1	12.5	2	4.1	36.3	0.40	0.33	4.1	0.290	1.63	3.0
I074899		89.9	75.4	0.003	0.02	40.1	8.5	3	2.8	39.2	0.26	0.27	2.6	0.184	0.94	3.2
I074900		9.7	20.5	<0.002	0.01	2.34	2.9	1	0.7	52.1	0.25	<0.05	0.8	0.126	0.28	0.7
I074901		3.4	20.9	<0.002	0.01	1.63	2.8	1	0.6	69.7	0.27	<0.05	0.8	0.135	0.15	0.7
I074902		4.8	19.7	<0.002	0.01	2.10	3.6	2	1.0	25.5	0.37	<0.05	1.2	0.189	0.28	1.2
I074903		254	45.7	0.004	0.03	29.1	5.0	4	1.7	20.2	0.09	0.13	1.2	0.057	0.56	3.4
I074904		1.4	1.4	<0.002	0.01	0.06	0.3	1	<0.2	53.1	<0.05	<0.05	<0.2	<0.005	<0.02	0.7
I074905		1445	29.5	0.002	0.05	22.9	3.6	5	1.3	22.2	0.08	0.14	1.0	0.044	0.34	4.0
I074906		227	23.5	<0.002	0.05	6.00	2.1	3	0.9	18.2	0.08	0.05	0.7	0.044	0.24	1.9
I074907		259	30.9	0.003	0.05	7.41	2.5	2	1.0	26.9	0.10	0.06	0.8	0.052	0.32	2.7
I074908		53.4	54.1	<0.002	0.03	48.6	4.7	3	2.5	22.2	0.35	0.07	1.6	0.164	0.53	2.8
I074909		121.5	60.4	<0.002	0.01	20.1	5.0	3	2.1	19.8	0.33	0.08	1.9	0.158	0.66	2.8
I074910		196.5	49.5	0.004	0.04	10.35	3.3	4	4.3	19.0	0.09	0.10	1.0	0.046	0.36	3.2
I074911		75.7	50.3	<0.002	0.02	2.58	3.2	2	4.6	16.2	0.23	<0.05	1.0	0.108	0.35	1.3
I074912		11.5	790	<0.002	0.01	0.74	7.4	1	1.1	59.6	0.22	<0.05	1.2	0.250	6.62	0.6
I074913		17.2	44.8	<0.002	0.01	2.64	4.2	2	2.5	15.8	0.55	0.06	1.9	0.241	0.42	1.8
I074914		53.5	49.0	<0.002	0.01	2.35	5.0	2	2.7	18.9	0.50	0.05	1.9	0.223	0.59	1.5
I074915		28.7	62.5	<0.002	0.02	1.83	8.6	2	3.2	29.4	0.97	<0.05	3.0	0.473	0.56	2.3
I074916		17.9	94.2	0.004	0.20	3.30	15.9	2	4.1	63.0	0.51	<0.05	4.6	0.381	0.58	3.2
I074917		26.1	85.2	0.003	0.05	9.86	20.0	3	1.8	109.0	0.81	<0.05	6.0	0.560	0.48	4.1
I074918		55.0	109.0	<0.002	0.04	6.08	17.1	2	1.6	126.5	0.70	<0.05	6.0	0.514	0.89	2.4
I074919		8.4	1510	<0.002	0.03	0.97	8.2	1	1.1	60.2	0.52	<0.05	0.6	0.256	15.00	0.3
I074920		26.7	154.0	0.423	<0.01	2.36	27.1	3	14.4	53.1	2.01	0.09	4.4	1.075	4.48	1.9
I074921		7.9	144.5	<0.002	0.01	0.71	19.5	4	3.2	53.7	3.74	<0.05	5.3	1.845	1.11	0.8
I074922		29.8	110.5	<0.002	<0.01	3.34	14.1	2	2.4	47.3	2.69	<0.05	4.4	1.540	1.10	1.2
I074923		12.9	104.5	<0.002	<0.01	1.15	11.5	2	1.9	73.5	2.30	<0.05	3.5	1.300	1.08	1.1
I074924		6.3	63.0	0.002	<0.01	4.59	10.0	2	2.1	44.2	1.85	0.07	3.1	0.998	1.32	1.0
I074925		8.6	59.0	<0.002	<0.01	2.64	13.2	2	2.1	50.5	2.61	<0.05	4.2	1.540	0.60	1.4
I074926		18.1	50.5	<0.002	<0.01	5.05	11.3	2	2.2	41.8	2.41	<0.05	3.4	1.320	0.69	1.0
I074927		132.0	77.8	<0.002	0.01	6.34	13.4	2	2.9	46.5	2.36	<0.05	5.6	1.250	1.95	1.5
I074928		192.5	120.5	<0.002	0.05	8.96	18.0	3	4.2	38.9	2.90	0.06	7.8	1.565	3.06	1.9
I074929		182.5	104.5	<0.002	0.16	7.43	16.7	2	3.5	34.3	2.35	0.05	6.5	1.545	2.86	1.5
I074930		15.6	102.0	<0.002	0.01	12.75	17.9	2	2.7	30.9	1.66	<0.05	4.8	1.520	2.00	1.2
I074931		1.1	1.5	<0.002	0.01	0.06	0.3	1	<0.2	37.3	<0.05	<0.05	<0.2	0.007	<0.02	0.5
I074932		33.8	116.5	<0.002	0.01	15.00	18.7	1	2.7	47.4	0.37	0.06	5.1	0.315	0.75	1.7

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VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 9-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10082229

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Ag-OG62 Ag ppm 1	Ag-GRA21 Ag ppm 5	Cu-OG62 Cu % 0.001	As-OG62 As % 0.001	ME-XRF05 Bi ppm 4	ME-XRF05 W ppm 10
I074897		39	13.3	25.2	704	188.5						
I074898		93	57.9	31.2	1380	51.6						
I074899		66	50.9	21.6	644	45.9				1.330		
I074900		24	2.1	7.4	116	23.4						
I074901		27	1.8	7.2	33	22.3						
I074902		34	3.9	9.4	151	33.2						
I074903		44	228	18.8	1140	26.2						
I074904		4	0.2	1.0	19	<0.5						
I074905		34	36.2	17.6	2840	22.9				1.190		
I074906		22	31.8	10.2	1130	14.6						
I074907		24	29.5	11.1	1240	17.5						
I074908		47	19.9	15.2	978	38.2						
I074909		55	14.1	16.6	1070	48.4						
I074910		31	38.6	13.5	1290	30.4						
I074911		26	9.2	9.4	558	25.6						
I074912		56	0.4	11.5	28	52.1						
I074913		41	7.0	10.7	446	43.8						
I074914		46	5.7	17.3	546	40.7						
I074915		97	8.2	16.5	471	72.0						
I074916		218	14.2	23.7	331	41.6						
I074917		277	33.5	26.2	584	85.8						
I074918		210	137.0	20.4	3340	20.1						
I074919		54	0.7	8.0	31	32.4						
I074920		93	>10000	23.4	759	10.9	>1500	6280	0.708		<4	>10000
I074921		191	52.8	18.9	289	33.3						
I074922		146	55.8	18.6	2310	10.5						
I074923		112	16.3	21.4	987	6.8						
I074924		105	54.4	18.0	965	6.2						
I074925		137	39.9	20.6	1000	7.9						
I074926		119	59.6	17.5	2230	6.8						
I074927		168	66.8	27.7	1480	56.7						
I074928		229	41.7	31.7	2550	102.5						
I074929		223	39.3	24.3	2690	84.8						
I074930		212	103.5	23.9	3370	8.0						
I074931		4	0.5	0.8	21	<0.5						
I074932		222	55.8	24.1	1660	12.3						

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 9-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10082229

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7-JUL-2010
Account: RCM

CERTIFICATE VA10082260

Project: RAU

P.O. No.: BATCH 10

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 21-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

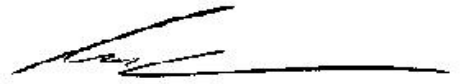
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LOG-23	Pulp Login - Rcvd with Barcode
CRU-31	Fine crushing - 70% <2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 
Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 7-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10082260

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA26 Au ppm 0.01	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
I074825		4.28	0.04	0.06	0.21	153	50	0.12	6.05	16.30	0.04	6.23	1.6	4	0.38	2.7
I074826		1.70	0.13	0.11	5.89	368	900	1.82	21.7	3.48	0.02	38.4	29.7	36	9.45	8.1
I074827		6.34	0.08	0.06	5.60	162.5	900	1.18	11.00	5.53	0.06	42.1	39.0	33	11.25	9.4
I074828		5.12	0.10	0.08	4.44	204	80	1.06	16.70	3.69	0.05	35.4	40.6	34	7.58	11.3
I074829		5.24	0.01	0.03	5.73	8	810	1.13	0.67	16.70	0.05	75.2	42.8	35	7.39	17.1
I074830		5.54	0.01	0.10	6.13	8	800	1.18	0.85	14.15	0.12	94.9	47.9	37	14.90	9.7
I074831		4.20	<0.01	0.18	0.08	148	30	0.08	0.54	20.2	0.07	1.60	1.2	3	0.16	2.9
I074832		5.46	<0.01	0.36	6.80	4.5	1220	0.49	0.04	5.20	0.03	25.9	52.1	217	10.50	106.0
I074833		0.28	1.88	0.36	0.26	>10000	40	0.10	266	13.95	0.25	16.20	2.3	7	1.22	28.5
I074834		5.76	0.01	0.06	6.74	2.7	2040	0.55	0.09	9.05	0.03	25.2	48.4	196	14.75	84.2
I074835		1.94	0.01	0.10	5.68	7.6	240	0.52	0.33	9.59	0.05	24.7	54.7	155	11.45	109.0
I074836		4.98	0.01	0.07	5.77	22.1	990	0.65	0.13	8.41	0.02	19.25	30.6	150	10.40	55.2
I074837		4.08	0.01	0.03	0.10	7	30	0.11	9.14	19.20	<0.02	2.54	1.2	3	0.55	2.9
I074838		3.88	0.01	0.02	0.16	8	40	0.12	0.75	19.80	0.02	2.40	1.3	4	1.26	1.2
I074839		4.20	<0.01	0.07	0.15	15	30	0.19	2.32	20.1	0.42	3.88	1.1	3	1.13	2.3
I074840		0.28	4.04	0.27	0.09	>10000	30	<0.05	228	9.79	0.07	6.93	1.2	7	0.62	24.9
I074841		5.02	0.01	0.14	0.26	76	80	0.16	2.27	18.35	0.02	3.90	14.1	6	1.62	14.6
I074842		2.68	0.01	0.10	0.06	22	30	0.09	115.0	19.55	0.10	3.75	1.8	2	0.48	8.3
I074843		3.72	0.01	0.03	0.03	5	20	0.09	1.57	20.1	0.03	3.75	0.7	2	0.26	1.2
I074844		5.30	0.01	0.02	0.03	<5	20	0.09	0.19	20.5	0.06	3.70	0.7	2	0.28	0.9
I074845		2.08	0.01	0.05	0.07	27	20	0.14	0.49	20.7	0.14	4.19	1.0	3	0.46	1.2
I074846		5.78	<0.01	0.02	0.05	7	20	0.09	1.11	21.4	0.07	3.57	1.2	2	0.28	3.9
I074847		5.68	0.01	0.02	0.04	5	10	0.07	44.9	20.5	0.05	3.54	1.3	1	0.20	3.0
I074848		5.76	0.01	0.02	0.04	8	10	0.05	1.38	20.4	0.03	4.26	1.8	<1	0.35	3.5
I074849		5.04	0.01	0.01	0.04	6	30	0.09	0.41	20.2	0.03	2.96	1.6	1	0.42	1.9
I074850		5.24	<0.01	0.01	0.14	<5	30	0.16	18.70	17.25	0.02	7.85	1.3	1	0.92	1.0
I074851		5.70	<0.01	0.09	0.07	248	20	0.11	244	16.85	<0.02	4.82	3.4	1	0.50	5.9
I074852		2.72	<0.01	0.15	0.10	277	20	0.11	185.5	16.25	0.02	4.43	3.2	1	0.69	4.7
I074853		5.12	0.01	0.01	0.15	<5	40	0.17	0.49	20.6	<0.02	3.50	1.5	1	1.50	1.7
I074854		5.40	0.01	0.04	0.13	8	40	0.14	0.56	20.5	<0.02	3.51	1.6	1	1.32	2.1
I074855		5.16	0.01	0.01	0.19	8	100	0.16	0.60	20.4	<0.02	3.23	1.8	3	2.05	1.3
I074856		4.02	<0.01	0.01	0.08	6	20	0.06	0.08	20.8	0.06	1.33	1.9	<1	0.17	1.9
I074857		5.42	0.01	0.04	0.08	94	20	0.10	9.26	18.80	0.02	6.75	1.2	1	0.93	1.9
I074858		5.48	0.01	0.06	0.06	<5	10	0.08	6.75	19.55	<0.02	3.63	1.1	1	0.42	3.7
I074859		5.30	0.01	0.05	0.06	<5	10	0.09	1.70	20.2	<0.02	3.87	1.3	1	0.41	1.9
I074860		5.68	0.01	0.18	0.07	16	20	0.08	29.6	18.30	0.02	4.72	2.6	3	0.72	12.8

***** See Appendix Page for comments regarding this certificate *****

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 7-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10082260

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I074825		4.66	0.93	<0.05	0.1	0.013	0.08	4.2	2.3	9.74	710	0.11	0.01	0.6	3.6	150
I074826		16.35	20.9	0.13	1.4	0.028	2.69	16.6	31.6	2.75	239	0.15	0.10	16.2	78.5	2140
I074827		11.80	18.50	0.11	1.4	0.044	3.28	19.7	38.3	2.88	568	0.19	0.14	15.2	101.5	3380
I074828		10.95	14.90	0.08	0.8	0.035	2.20	15.9	31.5	2.27	281	0.13	0.09	10.5	75.0	1730
I074829		4.48	15.75	0.08	0.2	0.045	2.36	36.1	28.7	1.83	872	0.11	0.22	17.7	86.8	3060
I074830		5.67	19.80	0.13	0.3	0.056	2.88	44.8	35.1	2.19	850	0.16	0.22	20.4	95.3	1550
I074831		0.51	0.40	0.25	<0.1	<0.005	0.03	0.8	1.2	12.70	205	0.07	0.01	0.4	0.7	200
I074832		8.14	17.95	0.11	0.7	0.051	2.26	13.4	44.0	5.08	588	0.16	0.32	16.9	260	850
I074833		16.45	1.78	0.10	0.2	0.097	0.10	7.7	2.5	7.37	3280	5.28	0.01	1.8	8.4	190
I074834		7.21	18.15	0.07	0.5	0.048	2.82	13.5	45.6	4.74	887	0.69	0.16	16.7	216	840
I074835		6.51	15.10	0.05	0.3	0.056	3.12	13.1	36.8	4.26	953	0.21	0.19	6.1	168.0	610
I074836		6.88	15.65	0.07	0.4	0.042	3.34	9.2	32.4	5.32	620	0.49	0.07	5.4	163.5	460
I074837		0.50	0.56	0.25	<0.1	<0.005	0.05	1.7	2.7	12.20	388	0.25	0.01	0.3	1.5	10
I074838		0.36	0.82	0.46	0.1	<0.005	0.11	1.4	3.6	12.35	287	0.13	0.01	0.4	1.6	10
I074839		0.38	1.02	0.54	0.1	<0.005	0.09	2.1	3.5	12.45	371	0.12	0.01	0.4	2.1	10
I074840		21.7	0.74	0.17	0.1	0.114	0.05	2.7	1.5	5.30	1820	5.16	<0.01	1.2	6.0	80
I074841		5.34	1.20	0.08	0.1	0.007	0.14	2.0	3.4	11.60	353	0.43	0.02	0.8	10.4	40
I074842		2.05	0.44	<0.05	<0.1	0.010	0.03	2.2	3.0	12.35	499	0.89	0.01	0.2	2.1	20
I074843		0.32	0.46	0.44	<0.1	0.014	0.02	2.3	2.6	12.65	580	1.15	0.01	0.2	<0.2	10
I074844		0.20	0.44	0.56	<0.1	0.010	0.01	2.3	3.3	12.95	531	0.29	0.01	0.2	<0.2	10
I074845		0.29	0.76	0.60	<0.1	0.007	0.04	2.6	2.4	13.05	468	0.68	0.01	0.3	0.9	10
I074846		0.72	0.42	0.14	<0.1	0.006	0.02	2.2	3.4	13.15	408	0.27	0.01	0.3	0.9	10
I074847		0.88	0.38	0.14	<0.1	<0.005	0.02	3.2	3.8	12.85	323	0.14	0.01	0.3	3.3	<10
I074848		0.79	0.43	0.18	<0.1	<0.005	0.02	3.3	3.9	12.70	381	0.15	0.01	0.3	1.6	<10
I074849		0.19	0.53	0.33	<0.1	<0.005	0.02	2.1	3.9	12.65	348	0.19	0.01	0.3	1.8	10
I074850		0.24	1.33	0.35	<0.1	0.008	0.07	4.1	2.9	10.85	377	0.17	0.01	0.4	2.5	<10
I074851		6.45	0.54	0.09	<0.1	0.009	0.03	2.5	3.0	10.65	369	0.17	0.01	0.5	7.9	10
I074852		6.58	0.68	0.07	<0.1	0.008	0.05	2.3	3.1	10.65	332	0.21	0.02	0.4	7.4	10
I074853		0.16	0.87	0.32	<0.1	<0.005	0.12	2.1	4.1	12.80	341	0.39	0.01	0.5	0.8	<10
I074854		0.75	0.64	0.17	<0.1	<0.005	0.10	2.3	4.1	12.65	348	0.31	0.01	0.5	1.1	10
I074855		0.30	0.87	0.34	0.1	<0.005	0.15	2.3	4.9	12.65	370	0.36	0.02	0.6	1.9	10
I074856		0.43	0.53	0.33	<0.1	<0.005	0.03	0.6	1.4	12.90	192	0.52	0.01	0.5	1.5	250
I074857		2.15	0.61	<0.05	<0.1	<0.005	0.06	3.9	2.6	11.80	462	1.06	0.01	0.4	4.5	10
I074858		1.69	0.37	0.06	<0.1	<0.005	0.03	2.3	2.6	12.25	403	1.13	0.01	0.4	1.7	10
I074859		0.73	0.56	0.20	<0.1	<0.005	0.03	2.2	2.5	12.70	442	0.94	0.01	0.4	1.9	10
I074860		4.25	0.43	0.05	<0.1	0.007	0.05	2.6	2.3	11.65	426	2.00	0.01	0.4	1.5	<10

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 7-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10082260

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I074825		2.5	4.2	<0.002	5.22	0.76	0.6	3	0.2	32.5	<0.05	<0.05	0.2	0.017	0.05	0.1
I074826		4.3	89.6	<0.002	>10.0	1.24	9.2	3	2.2	21.2	0.95	0.05	2.7	0.685	0.82	1.0
I074827		7.2	139.0	<0.002	>10.0	0.90	9.8	3	6.2	37.0	0.88	<0.05	2.6	0.638	0.90	1.2
I074828		8.8	94.3	<0.002	>10.0	0.79	7.6	3	4.6	21.4	0.60	0.05	2.2	0.458	0.60	0.8
I074829		7.5	84.7	<0.002	1.65	0.28	10.7	1	5.5	113.0	1.01	0.10	3.2	0.684	0.57	0.2
I074830		6.1	140.0	<0.002	1.31	0.24	12.0	1	7.6	122.5	1.10	0.21	4.2	0.635	1.04	0.2
I074831		1.5	1.7	<0.002	0.07	0.10	0.4	1	<0.2	47.9	<0.05	<0.05	<0.2	0.005	<0.02	0.6
I074832		1.1	38.5	<0.002	0.07	0.23	23.6	1	0.9	105.5	0.86	<0.05	1.8	0.766	0.32	0.4
I074833		8.7	17.8	0.002	>10.0	12.75	0.7	2	2.5	95.9	0.07	0.27	0.6	0.022	0.24	0.5
I074834		2.2	37.9	<0.002	0.08	0.16	22.9	1	0.9	121.5	0.84	<0.05	1.7	0.736	0.33	0.3
I074835		3.7	42.3	<0.002	2.93	0.28	18.2	1	0.8	121.5	0.32	<0.05	1.2	0.342	0.37	0.2
I074836		1.6	76.5	<0.002	6.97	0.40	19.8	1	1.2	43.5	0.28	<0.05	1.4	0.301	0.62	0.4
I074837		1.0	9.2	<0.002	0.41	0.22	0.4	1	<0.2	36.4	<0.05	<0.05	0.2	0.005	0.06	0.4
I074838		1.3	20.2	<0.002	0.35	0.17	0.5	1	<0.2	41.9	<0.05	<0.05	0.3	0.010	0.12	0.4
I074839		29.2	22.0	<0.002	0.28	0.42	0.5	1	<0.2	41.2	<0.05	<0.05	0.3	0.008	0.12	0.4
I074840		6.7	7.6	<0.002	>10.0	24.2	0.3	4	1.9	69.9	0.05	0.63	0.2	0.006	0.13	0.4
I074841		2.0	30.7	<0.002	4.32	0.37	0.9	3	0.4	35.1	<0.05	0.06	0.3	0.019	0.19	0.7
I074842		7.1	6.9	<0.002	1.17	1.06	0.3	2	0.3	45.9	<0.05	0.09	<0.2	<0.005	0.04	0.4
I074843		2.3	2.6	<0.002	0.14	0.23	0.3	1	0.3	46.1	<0.05	<0.05	<0.2	<0.005	0.03	0.4
I074844		5.1	1.6	<0.002	0.04	0.16	0.3	1	0.3	46.5	<0.05	<0.05	<0.2	<0.005	0.02	0.4
I074845		26.6	8.8	<0.002	0.07	0.60	0.4	1	0.2	45.4	<0.05	<0.05	0.2	<0.005	0.06	0.6
I074846		3.2	4.3	<0.002	0.41	0.17	0.3	2	0.3	39.8	<0.05	<0.05	<0.2	<0.005	0.03	0.4
I074847		2.9	3.2	<0.002	0.59	0.93	0.4	1	<0.2	34.4	<0.05	0.12	<0.2	<0.005	0.02	0.6
I074848		1.6	4.9	<0.002	0.59	0.21	0.4	2	<0.2	41.4	<0.05	<0.05	<0.2	<0.005	0.03	0.3
I074849		1.2	3.8	<0.002	0.06	0.22	0.3	1	<0.2	42.2	<0.05	<0.05	<0.2	<0.005	0.03	0.5
I074850		0.6	14.0	<0.002	0.03	0.31	0.5	1	2.8	41.1	<0.05	<0.05	0.2	0.005	0.07	0.8
I074851		2.3	6.0	<0.002	7.82	1.31	0.4	3	1.1	34.0	<0.05	0.18	0.2	<0.005	0.12	1.9
I074852		3.5	9.3	<0.002	8.15	1.58	0.4	3	1.2	31.3	<0.05	0.16	0.2	<0.005	0.15	0.7
I074853		0.8	20.8	<0.002	0.09	0.08	0.4	1	<0.2	39.4	<0.05	<0.05	0.2	0.008	0.13	0.6
I074854		0.9	15.0	<0.002	0.75	0.43	0.4	1	<0.2	37.2	<0.05	<0.05	0.2	0.007	0.19	1.0
I074855		1.0	23.8	0.002	0.26	0.10	0.6	1	<0.2	35.6	<0.05	<0.05	0.3	0.011	0.17	1.5
I074856		1.2	1.7	<0.002	0.01	<0.05	0.3	1	<0.2	46.6	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
I074857		1.3	14.4	0.004	2.44	0.23	0.5	1	0.2	46.6	<0.05	<0.05	<0.2	<0.005	0.09	1.2
I074858		0.9	6.5	0.002	1.07	0.13	0.3	2	<0.2	43.5	<0.05	<0.05	<0.2	<0.005	0.04	1.0
I074859		0.9	6.3	0.002	0.46	0.13	0.3	2	0.2	38.0	<0.05	<0.05	<0.2	<0.005	0.08	0.8
I074860		1.2	10.6	0.002	2.68	0.65	0.3	2	<0.2	40.7	<0.05	0.06	<0.2	<0.005	0.08	1.0

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CERTIFICATE OF ANALYSIS VA10082260

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	As-OG62
	Analyte	V	W	Y	Zn	Zr	As
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
I074825		11	0.5	4.0	21	2.8	
I074826		118	4.3	7.5	10	55.4	
I074827		122	33.0	9.3	21	53.9	
I074828		99	4.7	6.1	16	29.3	
I074829		124	2.4	15.5	19	8.2	
I074830		133	1.0	16.1	37	8.2	
I074831		3	1.3	0.9	15	<0.5	
I074832		160	1.4	14.0	117	20.8	
I074833		9	63.6	7.8	60	6.4	2.77
I074834		158	0.4	15.5	57	14.5	
I074835		120	0.3	14.1	28	10.3	
I074836		106	0.4	12.0	14	13.4	
I074837		8	0.3	1.7	2	1.3	
I074838		10	0.4	1.2	4	2.2	
I074839		10	0.6	1.2	93	2.1	
I074840		5	277	5.1	12	3.5	6.43
I074841		8	0.9	1.7	4	4.4	
I074842		6	1.3	2.6	27	0.7	
I074843		7	1.1	3.2	6	<0.5	
I074844		6	0.8	3.0	11	<0.5	
I074845		6	1.0	3.4	34	1.1	
I074846		6	0.5	3.2	15	0.8	
I074847		4	0.5	5.1	10	0.6	
I074848		9	0.6	4.7	4	0.5	
I074849		13	0.3	2.8	5	0.5	
I074850		20	0.3	3.4	8	1.3	
I074851		10	1.0	2.6	3	0.9	
I074852		10	21.4	2.4	6	1.0	
I074853		5	0.4	1.6	2	1.9	
I074854		4	0.4	2.3	4	1.9	
I074855		8	0.4	2.4	<2	2.5	
I074856		3	0.1	0.9	14	<0.5	
I074857		12	0.9	5.0	5	0.9	
I074858		10	0.9	2.8	3	0.8	
I074859		7	0.7	1.9	2	1.3	
I074860		5	1.2	3.1	3	0.8	

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 7-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10082260

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 5-JUL-2010
Account: RCM

CERTIFICATE VA10083884

Project: RAU

P.O. No.: BATCH 16

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 23-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

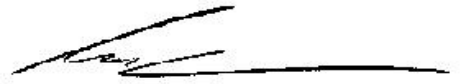
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LOG-23	Pulp Login - Rcvd with Barcode
CRU-31	Fine crushing - 70% <2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 
Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 5-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10083884

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA26 Au ppm 0.01	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
I075041		7.56	0.01	0.11	0.12	15	30	0.20	0.98	19.35	0.16	3.46	1.2	5	0.13	2.8
I075042		5.20	0.01	0.03	0.12	8	50	0.06	0.11	33.7	0.02	1.60	0.7	2	0.10	1.5
I075043		3.58	0.01	0.01	0.11	11	90	0.07	0.17	34.6	0.03	3.40	0.8	2	0.09	1.4
I075044		0.64	1.62	0.32	0.07	6360	20	<0.05	402	18.80	0.06	29.5	0.9	<1	0.19	15.7
I075045		1.78	0.04	0.01	0.61	54	130	0.24	1.80	32.5	0.02	7.25	1.1	8	2.83	2.0
I075046		2.88	7.17	0.16	0.40	>10000	70	0.18	175.0	10.45	<0.02	5.19	1.0	4	2.45	5.9
I075047		4.42	4.34	0.20	0.06	>10000	<10	<0.05	111.5	11.10	0.05	7.23	0.5	<1	0.32	6.9
I075048		5.80	0.01	0.03	1.56	78	560	0.28	1.42	29.3	0.07	6.64	7.8	34	3.13	11.1
I075049		4.50	0.01	0.01	0.09	37	10	0.07	0.16	20.3	0.06	1.53	1.1	2	0.23	1.7
I075050		5.16	0.01	0.06	7.67	21.4	1420	0.68	0.44	5.91	<0.02	25.3	37.7	251	33.5	56.2
I075051		3.20	<0.01	0.01	6.84	7.4	960	0.50	0.56	7.65	<0.02	26.9	33.2	204	46.2	17.3
I075052		4.80	<0.01	0.01	6.59	2.5	550	0.47	0.04	9.43	0.02	36.5	40.4	199	25.3	44.7
I075053		2.50	<0.01	0.03	6.88	4.8	620	0.49	0.12	9.73	0.02	25.1	40.8	197	28.1	42.3
I075054		5.08	0.01	0.02	7.13	3.7	740	0.52	0.04	5.46	<0.02	30.8	51.4	241	24.7	50.9
I075055		5.04	<0.01	0.13	7.14	48.8	450	0.87	5.28	5.15	<0.02	37.1	55.9	208	35.4	50.7
I075056		5.24	<0.01	0.10	6.23	68.8	240	0.70	4.88	8.38	<0.02	25.3	45.2	175	29.8	46.2
I075057		0.28	3.78	0.77	0.11	>10000	10	<0.05	231	9.79	0.09	6.85	1.4	7	0.60	26.4
I075058		4.08	<0.01	0.01	0.17	49	30	0.11	0.65	20.3	0.02	3.88	1.1	4	1.20	2.3
I075059		1.50	<0.01	0.04	0.07	117	10	0.10	0.64	19.30	<0.02	6.04	1.0	1	0.43	1.7
I075060		5.48	<0.01	0.05	0.14	15	70	0.17	0.32	19.00	0.09	3.11	0.7	4	0.19	1.3
I075061		6.24	0.02	2.44	0.05	28.1	30	0.10	2.76	1.07	9.09	6.02	0.3	<1	0.65	125.5
I075062		4.28	0.01	1.89	0.26	44	110	0.22	8.98	16.65	0.96	3.74	0.8	4	0.36	7.2
I075063		2.92	0.01	0.46	0.10	104	20	0.15	3.95	17.85	3.25	4.84	2.5	3	0.05	2.5
I075064		7.56	0.01	0.11	0.04	25	20	0.12	0.51	19.10	1.41	4.02	0.9	3	0.08	1.3
I075065		7.80	0.01	0.61	0.08	76	1020	0.13	3.01	18.45	5.13	3.94	1.6	2	0.08	3.7
I075066		6.76	<0.01	0.25	0.16	32	1250	0.18	1.22	18.40	1.88	3.17	1.1	3	0.07	2.8
I075067		7.04	<0.01	1.14	0.14	61	70	0.18	1.63	16.15	55.9	5.72	1.7	3	0.11	9.7
I075068		9.02	<0.01	3.76	0.07	64	220	0.05	20.6	16.50	11.10	9.52	1.4	3	0.44	13.6
I075069		9.00	0.03	12.75	0.08	319	120	<0.05	39.4	16.10	5.98	11.40	3.6	3	0.46	28.6
I075070		0.28	2.26	1.07	0.16	1700	20	<0.05	99.0	14.55	1.71	12.15	1.6	11	1.01	31.4
I075071		7.18	0.01	1.06	0.35	44	40	0.17	3.17	16.95	5.60	9.50	1.4	9	0.19	4.2
I075072		4.96	0.01	0.02	0.08	<5	10	0.06	0.08	20.6	0.07	1.40	1.0	2	0.12	3.0
I075073		4.44	<0.01	1.52	0.06	32	10	0.17	16.25	20.0	1.51	6.10	1.1	2	0.18	3.2
I075074		4.26	<0.01	0.02	0.05	7	20	<0.05	0.09	36.0	0.11	0.82	0.6	1	<0.05	1.0
I075075		2.96	<0.01	0.01	0.16	8	80	0.05	0.02	35.7	0.03	1.83	1.0	3	0.14	1.2
I075076		4.72	<0.01	0.02	0.91	11	260	0.23	0.04	33.6	0.07	6.59	2.6	14	1.13	6.8

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 5-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10083884

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I075041		0.37	0.61	<0.05	0.1	<0.005	0.03	1.9	4.4	12.40	433	5.05	0.02	0.6	8.3	50
I075042		0.11	0.29	0.08	<0.1	0.015	0.05	1.1	0.8	0.87	102	0.20	<0.01	0.3	1.7	10
I075043		0.11	0.25	<0.05	<0.1	0.083	0.03	2.2	0.5	0.40	303	0.18	<0.01	0.2	<0.2	10
I075044		7.27	0.65	<0.05	<0.1	0.430	0.03	14.1	3.0	8.22	4580	1.38	0.01	0.1	1.1	30
I075045		0.44	1.40	<0.05	0.2	0.044	0.33	3.8	4.8	1.65	357	0.17	0.03	1.0	2.5	10
I075046		22.0	2.97	0.27	0.2	0.159	0.25	2.0	4.5	3.74	2000	0.12	0.01	0.7	3.6	30
I075047		17.95	0.52	0.17	<0.1	0.195	0.03	2.9	1.5	5.47	2580	0.12	<0.01	0.2	0.3	20
I075048		1.69	3.44	<0.05	0.4	0.029	1.00	3.3	8.9	0.90	625	0.26	0.03	2.8	18.5	30
I075049		0.44	0.25	<0.05	<0.1	<0.005	0.04	0.7	1.5	12.90	194	0.06	0.01	0.3	2.3	200
I075050		7.96	20.6	0.10	0.8	0.072	5.49	13.2	64.6	3.43	515	0.26	0.17	13.8	200	750
I075051		7.13	18.55	0.09	0.7	0.059	4.80	13.9	49.6	3.62	721	0.38	0.14	12.2	178.5	790
I075052		6.61	16.20	0.08	0.5	0.043	2.41	18.8	38.8	3.72	848	0.48	0.90	15.2	175.0	750
I075053		6.77	17.40	0.07	0.5	0.044	2.72	12.7	42.4	3.67	855	0.38	0.99	16.0	177.5	770
I075054		7.91	18.40	0.11	0.8	0.042	1.97	15.6	42.3	5.94	558	0.34	0.33	17.1	233	760
I075055		6.47	21.6	0.11	0.9	0.032	5.27	18.6	46.8	5.22	403	0.65	0.18	11.3	224	790
I075056		5.17	15.05	0.08	0.6	0.026	4.54	12.4	38.8	5.13	380	0.37	0.06	5.9	179.0	620
I075057		21.1	0.75	0.31	0.1	0.143	0.06	2.7	1.4	5.31	1860	5.43	0.01	1.1	8.3	90
I075058		0.43	0.45	<0.05	0.1	<0.005	0.10	2.4	4.0	12.45	409	0.12	0.01	0.4	3.9	20
I075059		2.82	0.28	<0.05	<0.1	<0.005	0.03	3.2	2.3	11.65	436	0.22	0.01	0.2	1.5	10
I075060		0.59	0.39	<0.05	0.1	0.386	0.05	2.2	2.2	12.10	1090	0.84	0.01	0.4	1.9	10
I075061		28.2	2.90	0.28	<0.1	40.7	0.03	3.6	1.6	5.32	58000	0.70	0.01	0.2	1.7	10
I075062		4.41	1.05	<0.05	0.1	3.31	0.11	2.1	2.0	10.55	7920	0.92	0.01	0.6	2.2	10
I075063		3.72	0.48	<0.05	0.1	0.033	0.01	2.6	4.0	11.30	1120	9.10	0.02	0.5	11.9	60
I075064		1.34	0.18	<0.05	<0.1	0.026	0.01	1.8	4.8	11.95	1400	1.51	0.01	0.2	2.0	20
I075065		2.39	0.35	<0.05	<0.1	0.052	0.01	2.1	3.4	11.70	1160	5.17	0.01	0.4	9.7	30
I075066		1.22	0.91	<0.05	0.1	0.010	0.01	1.7	4.5	11.55	1230	2.89	0.02	0.7	5.2	40
I075067		2.82	1.29	<0.05	0.1	0.484	0.01	2.2	2.0	9.58	3960	1.78	0.01	0.3	5.4	40
I075068		4.40	0.58	<0.05	0.1	0.068	0.01	3.6	2.9	9.74	3770	0.84	0.01	0.2	6.3	80
I075069		7.32	0.59	0.06	0.1	0.055	0.01	5.0	2.5	9.72	2980	1.27	0.02	0.3	14.0	260
I075070		10.25	1.04	0.20	0.1	0.049	0.08	5.8	3.2	8.45	1820	4.90	0.01	0.9	9.5	80
I075071		2.74	2.42	<0.05	0.5	0.028	0.01	3.9	3.3	10.20	2460	4.66	0.04	2.4	6.6	1390
I075072		0.43	0.29	<0.05	<0.1	<0.005	0.03	0.7	1.0	12.65	187	0.11	0.01	0.3	1.4	210
I075073		1.72	0.33	<0.05	<0.1	0.018	0.01	3.1	4.2	12.35	759	1.80	0.02	0.2	2.5	50
I075074		0.09	0.23	<0.05	<0.1	<0.005	0.01	0.6	<0.2	0.20	127	0.06	<0.01	0.2	<0.2	<10
I075075		0.12	0.54	<0.05	<0.1	<0.005	0.07	1.1	1.1	0.25	160	0.10	<0.01	0.5	0.2	10
I075076		0.45	2.19	<0.05	0.2	0.010	0.49	3.4	4.4	0.44	412	0.15	0.02	1.8	5.2	20

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Project: RAU

Finalized Date: 5-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10083884

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
I075041		7.2	1.5	0.009	0.17	0.43	0.4	2	0.2	83.6	<0.05	<0.05	0.3	0.009	0.04	1.1
I075042		1.5	1.4	<0.002	0.04	0.12	0.3	2	<0.2	172.0	<0.05	<0.05	0.2	0.005	<0.02	0.8
I075043		1.3	0.7	<0.002	0.03	0.12	0.2	1	0.2	197.0	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
I075044		6.4	1.5	<0.002	4.83	53.6	0.1	2	0.2	146.5	<0.05	0.17	<0.2	<0.005	0.03	0.8
I075045		0.8	12.5	<0.002	0.20	0.34	1.1	1	0.2	215	0.06	<0.05	0.9	0.032	0.15	0.4
I075046		3.6	21.6	<0.002	>10.0	23.5	1.2	5	2.0	65.9	0.06	0.53	1.1	0.020	0.21	0.5
I075047		3.9	4.5	<0.002	>10.0	21.5	<0.1	4	0.3	65.6	<0.05	0.38	<0.2	<0.005	0.19	0.4
I075048		3.3	23.4	<0.002	1.39	0.27	4.2	2	0.4	337	0.14	<0.05	1.0	0.129	0.16	0.7
I075049		1.4	1.7	<0.002	0.03	0.05	0.2	1	<0.2	46.2	<0.05	<0.05	0.2	0.005	<0.02	0.6
I075050		2.2	233	<0.002	1.22	0.35	24.8	1	3.6	88.4	0.75	<0.05	1.9	0.751	2.04	0.4
I075051		2.2	406	<0.002	0.66	0.55	21.5	1	4.9	79.6	0.64	<0.05	1.6	0.680	3.00	0.3
I075052		1.3	105.0	<0.002	0.02	0.20	22.2	2	1.4	117.5	0.83	<0.05	1.8	0.711	0.85	0.3
I075053		1.4	127.0	<0.002	0.02	0.21	22.2	1	1.7	124.0	0.86	<0.05	1.8	0.747	1.04	0.3
I075054		1.0	55.5	<0.002	0.02	0.17	24.2	1	1.1	89.2	0.93	<0.05	2.0	0.765	0.51	0.3
I075055		1.7	421	<0.002	3.55	0.33	23.8	2	3.4	62.1	0.60	0.19	2.0	0.553	2.39	0.7
I075056		1.2	349	<0.002	5.23	0.24	21.0	1	2.3	42.9	0.33	0.10	1.6	0.342	2.27	0.6
I075057		7.7	6.4	<0.002	>10.0	21.7	0.2	4	1.7	62.4	0.05	0.67	0.2	0.006	0.12	0.4
I075058		1.1	9.5	<0.002	0.30	0.12	0.3	1	<0.2	56.5	<0.05	<0.05	0.3	0.010	0.08	0.4
I075059		0.9	6.3	<0.002	3.16	0.08	0.5	2	<0.2	39.5	<0.05	<0.05	<0.2	<0.005	0.04	1.0
I075060		6.5	4.0	<0.002	0.07	0.32	0.3	1	0.6	29.7	<0.05	<0.05	0.2	0.008	0.04	0.3
I075061		192.5	2.8	<0.002	0.39	5.78	<0.1	1	83.0	2.8	<0.05	<0.05	<0.2	<0.005	0.10	0.2
I075062		217	8.0	<0.002	0.69	1.11	0.4	1	4.8	31.4	<0.05	<0.05	0.4	0.014	0.12	0.4
I075063		82.1	0.3	0.016	2.14	0.61	0.3	2	0.3	67.0	<0.05	0.07	0.2	0.007	0.02	2.4
I075064		40.5	0.4	<0.002	0.30	0.38	0.5	2	0.2	79.0	<0.05	<0.05	<0.2	<0.005	<0.02	2.4
I075065		85.3	0.6	0.009	1.00	1.17	0.3	2	0.4	73.2	<0.05	0.05	0.2	0.006	0.02	2.0
I075066		35.2	0.6	0.003	0.60	0.40	0.4	2	0.3	104.5	<0.05	<0.05	0.2	0.012	0.02	1.1
I075067		175.0	0.4	<0.002	1.49	2.01	0.5	4	4.8	363	<0.05	0.10	<0.2	0.005	0.08	1.1
I075068		165.0	0.9	<0.002	3.02	1.31	2.5	3	0.6	93.5	<0.05	0.07	0.4	<0.005	0.04	5.5
I075069		337	0.9	<0.002	7.82	3.44	2.7	3	0.4	87.7	<0.05	0.13	0.2	<0.005	0.03	4.6
I075070		113.5	10.2	0.017	>10.0	5.49	1.6	4	3.2	81.0	<0.05	0.13	0.6	0.010	0.34	0.2
I075071		119.5	0.7	0.006	1.96	0.88	0.9	2	0.9	119.0	0.13	0.06	0.5	0.047	0.04	8.3
I075072		2.7	1.2	<0.002	0.02	0.08	0.3	1	<0.2	42.3	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
I075073		68.9	0.7	0.002	1.83	0.58	0.5	1	0.2	62.2	<0.05	0.07	<0.2	<0.005	<0.02	2.3
I075074		1.7	0.4	<0.002	0.06	0.13	0.3	2	<0.2	120.5	<0.05	<0.05	<0.2	<0.005	<0.02	0.3
I075075		1.5	3.1	<0.002	0.07	0.17	0.4	1	<0.2	131.5	<0.05	<0.05	0.2	0.009	<0.02	0.3
I075076		2.6	21.9	<0.002	0.19	0.23	2.0	1	0.3	261	0.10	<0.05	0.8	0.064	0.09	0.6

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 5-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10083884

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	As-OG62
	Analyte	V	W	Y	Zn	Zr	As
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
I075041		23	2.7	1.6	50	3.3	
I075042		4	0.2	0.9	<2	1.5	
I075043		3	0.3	1.1	<2	1.4	
I075044		4	11.9	10.1	19	1.2	
I075045		8	0.4	2.9	2	7.6	
I075046		6	10.3	4.0	7	9.3	8.72
I075047		2	76.3	5.7	9	1.2	6.60
I075048		20	1.1	4.4	7	16.3	
I075049		4	0.2	1.0	14	0.7	
I075050		139	1.0	15.1	58	25.0	
I075051		146	1.0	16.3	53	23.4	
I075052		168	0.4	15.5	81	16.3	
I075053		169	0.3	15.2	82	16.0	
I075054		171	0.5	16.6	91	25.5	
I075055		165	2.3	12.5	35	29.7	
I075056		130	1.4	12.8	18	22.1	
I075057		4	273	4.9	14	3.6	6.26
I075058		11	0.5	2.5	4	2.6	
I075059		8	0.6	4.7	3	0.8	
I075060		4	0.6	2.2	37	2.5	
I075061		1	0.6	2.2	2020	1.5	
I075062		4	0.7	1.9	248	4.5	
I075063		14	6.5	3.2	984	2.6	
I075064		14	0.9	5.2	379	1.0	
I075065		19	2.8	2.3	1250	1.9	
I075066		20	2.0	1.9	371	3.5	
I075067		15	2.0	4.4	9910	2.2	
I075068		15	2.0	14.0	2190	2.3	
I075069		12	3.7	12.4	1320	3.4	
I075070		9	2140	6.1	358	3.4	
I075071		32	9.8	8.3	1540	18.8	
I075072		3	0.2	0.9	23	<0.5	
I075073		10	2.2	2.9	372	1.0	
I075074		2	0.1	0.7	20	<0.5	
I075075		3	0.1	0.9	4	2.0	
I075076		11	0.3	2.7	6	8.8	

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 5-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10083884

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7-JUL-2010
Account: RCM

CERTIFICATE VA10083885

Project: RAU (Grey Copper Hill)

P.O. No.: GCH

This report is for 164 Soil samples submitted to our lab in Vancouver, BC, Canada on 23-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-31	Pulverize split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
PUL-QC	Pulverizing QC Test
SCR-43	Screen to -500um, discard plus
SCR-01	Screen - Save plus fraction

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ATAC RESOURCES LTD.**
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Project: RAU (Grey Copper Hill)

Finalized Date: 7-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10083885

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC77674		0.16	0.003	0.3	0.97	27	<10	660	0.5	<2	4.06	0.9	9	19	22	2.33
CC77675		0.14	0.006	2.6	1.15	34	<10	1300	1.1	<2	3.11	7.9	9	35	127	2.12
CC77676		0.26	0.005	1.9	1.19	32	<10	100	1.1	<2	7.2	5.9	8	18	94	2.06
CC77677		0.16	0.003	1.6	1.30	20	<10	90	0.8	<2	1.72	5.5	11	40	94	2.53
CC77678		0.14	0.002	0.9	1.47	19	<10	100	0.7	<2	1.30	3.8	12	49	68	2.85
CC77679		0.14	0.001	0.4	2.14	20	<10	150	0.7	<2	1.17	1.2	14	78	76	4.04
CC77680		0.10	0.001	<0.2	2.79	6	<10	200	0.9	<2	2.34	<0.5	20	100	43	4.69
CC77681		0.14	0.001	0.2	4.49	2	<10	120	2.1	<2	1.26	<0.5	29	47	42	8.23
CC77682		0.16	<0.001	<0.2	2.28	<2	<10	150	1.0	<2	1.51	<0.5	20	26	13	4.81
CC77683		0.22	<0.001	<0.2	1.99	2	<10	220	0.7	<2	1.05	<0.5	24	82	21	4.32
CC77684		0.20	0.001	<0.2	1.94	4	<10	130	0.7	<2	0.97	<0.5	24	78	123	4.27
CC77685		0.20	0.001	<0.2	2.46	6	<10	210	0.9	<2	0.80	<0.5	25	139	62	4.02
CC77686		0.16	<0.001	<0.2	1.48	2	<10	240	1.0	<2	0.90	<0.5	18	53	20	4.03
CC77687		0.16	<0.001	<0.2	1.56	2	<10	280	1.3	<2	0.89	<0.5	17	55	13	3.29
CC77688		0.20	0.001	<0.2	1.37	8	<10	200	0.9	<2	0.70	<0.5	12	24	24	3.37
CC77689		0.14	0.001	<0.2	1.93	9	<10	310	0.9	<2	0.27	0.5	11	34	17	3.39
CC77690		0.20	0.006	0.3	1.23	12	<10	220	0.6	<2	1.54	<0.5	12	31	39	3.39
CC77691		0.22	0.001	<0.2	1.38	9	<10	240	0.6	<2	0.70	<0.5	10	35	24	3.26
CC77692		0.24	0.006	0.2	1.65	13	<10	570	0.7	<2	0.53	<0.5	11	32	42	3.41
CC77693		0.18	0.002	0.2	1.61	10	<10	230	0.7	<2	1.23	0.7	9	32	25	2.99
CC77694		0.16	0.002	<0.2	1.48	6	<10	300	0.6	<2	2.76	1.1	9	24	21	2.45
CC77695		0.18	0.003	<0.2	1.51	10	<10	540	0.6	<2	2.79	<0.5	10	33	30	3.63
CC77696		0.20	0.001	<0.2	1.49	14	<10	540	0.5	<2	4.50	0.5	10	26	22	2.66
CC77697		0.18	0.002	<0.2	1.57	10	<10	270	0.5	<2	6.10	0.8	10	35	25	2.74
CC77698		0.22	0.003	<0.2	1.06	10	<10	150	<0.5	<2	9.6	<0.5	7	20	16	2.02
CC77699		0.10	<0.001	0.2	1.63	11	<10	220	0.5	<2	2.33	1.1	9	26	23	2.62
CC77700		0.10	0.002	<0.2	1.62	8	<10	270	0.5	<2	2.26	1.5	8	28	23	2.28
CC77701		0.20	0.003	0.2	1.82	10	<10	190	0.6	<2	2.46	0.8	11	29	23	2.99
CC77702		0.18	0.003	<0.2	1.86	15	<10	190	0.7	<2	1.19	1.0	11	33	20	2.96
CC77703		0.10	0.007	<0.2	1.39	7	<10	190	0.5	<2	2.58	0.6	7	19	20	1.96
CC77704		0.24	0.002	<0.2	1.32	10	<10	160	<0.5	<2	4.48	<0.5	8	25	19	2.29
CC77705		0.10	0.002	<0.2	1.47	12	<10	200	0.5	<2	2.08	<0.5	8	22	19	2.35
CC77706		0.22	0.003	<0.2	1.21	11	<10	140	<0.5	<2	5.21	<0.5	7	25	18	2.14
CC77707		0.20	0.002	<0.2	1.49	13	<10	170	0.5	2	1.25	0.5	9	26	16	2.63
CC77708		0.18	0.003	<0.2	1.54	14	<10	200	0.5	3	2.71	0.7	10	28	23	2.64
CC77709		0.10	0.001	<0.2	1.86	10	<10	280	0.5	<2	0.90	0.6	10	33	16	2.93
CC77710		0.10	<0.001	<0.2	1.93	11	<10	280	1.2	2	0.39	<0.5	13	37	14	2.87
CC77711		0.14	0.002	0.2	2.44	15	<10	340	1.0	<2	0.58	0.7	12	42	26	3.57
CC77712		0.18	0.001	0.2	2.07	13	<10	200	0.5	2	0.26	<0.5	9	46	14	3.21
CC77713		0.18	0.001	<0.2	2.10	11	<10	240	0.8	<2	0.32	<0.5	9	44	20	3.09

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU (Grey Copper Hill)

Finalized Date: 7-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10083885

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC77674		<10	1	0.08	10	2.14	1105	8	0.03	49	1820	54	0.12	<2	1	39
CC77675		<10	1	0.33	20	1.20	316	49	0.02	122	1340	35	0.09	13	2	64
CC77676		<10	1	0.49	20	1.16	114	76	0.01	95	850	18	0.01	14	4	113
CC77677		<10	<1	0.18	20	1.00	388	31	0.02	90	1080	39	0.06	4	4	45
CC77678		<10	1	0.13	20	1.24	555	24	0.02	79	730	22	0.08	3	4	34
CC77679		10	<1	0.09	20	2.10	441	11	0.02	49	1240	15	0.08	<2	6	63
CC77680		10	1	0.10	10	2.78	739	1	0.03	42	1340	3	0.14	<2	7	156
CC77681		20	1	0.24	20	3.72	1505	1	0.02	32	2160	9	0.05	<2	7	71
CC77682		10	1	0.17	20	2.37	1115	<1	0.02	25	2580	5	0.01	<2	3	54
CC77683		<10	<1	0.09	20	2.36	1015	<1	0.02	70	1820	7	0.01	<2	3	32
CC77684		<10	<1	0.14	20	2.18	888	<1	0.02	69	1670	11	0.03	<2	3	32
CC77685		10	1	0.07	20	1.87	951	<1	0.02	76	1070	11	0.04	<2	4	28
CC77686		<10	<1	0.22	20	1.30	1565	<1	0.02	35	1750	14	0.02	<2	3	29
CC77687		<10	<1	0.14	20	1.34	1380	<1	0.02	34	1580	10	0.03	<2	2	31
CC77688		<10	<1	0.14	20	0.83	873	1	0.03	23	1220	37	0.05	<2	3	25
CC77689		<10	<1	0.07	10	0.58	856	<1	0.02	19	630	25	0.04	<2	1	16
CC77690		<10	<1	0.11	20	1.10	931	1	0.03	31	990	34	0.05	<2	3	33
CC77691		<10	<1	0.07	20	0.61	745	2	0.02	26	830	36	0.05	<2	3	23
CC77692		<10	<1	0.09	20	0.68	918	4	0.03	33	940	25	0.03	<2	4	28
CC77693		<10	1	0.06	20	0.52	704	1	0.02	25	1110	26	0.08	<2	2	24
CC77694		<10	1	0.05	10	0.62	822	1	0.03	22	1230	14	0.13	<2	1	39
CC77695		<10	<1	0.06	20	1.07	1900	1	0.03	28	980	34	0.07	<2	2	36
CC77696		<10	1	0.07	20	1.16	588	<1	0.03	27	820	26	0.07	<2	2	62
CC77697		<10	<1	0.07	20	1.48	617	<1	0.03	29	890	31	0.07	<2	2	67
CC77698		<10	1	0.06	10	1.42	358	<1	0.03	21	830	18	0.03	<2	2	79
CC77699		<10	<1	0.09	20	0.93	589	<1	0.04	23	930	53	0.11	<2	2	29
CC77700		<10	<1	0.08	10	0.49	550	<1	0.03	20	1340	35	0.17	<2	2	28
CC77701		<10	<1	0.11	20	1.17	748	<1	0.04	26	840	37	0.06	<2	3	28
CC77702		10	1	0.09	20	0.61	764	<1	0.03	26	800	37	0.07	<2	2	20
CC77703		<10	1	0.07	10	0.52	673	<1	0.03	16	1120	10	0.17	<2	1	29
CC77704		<10	<1	0.09	10	1.95	393	1	0.04	23	640	11	0.04	<2	3	40
CC77705		<10	<1	0.09	10	0.59	560	<1	0.04	21	820	13	0.11	<2	2	26
CC77706		<10	<1	0.09	20	2.21	346	1	0.04	23	750	10	0.03	<2	3	51
CC77707		<10	<1	0.08	10	0.69	571	<1	0.03	23	610	23	0.03	<2	2	21
CC77708		<10	<1	0.10	10	1.02	580	<1	0.03	24	700	36	0.03	<2	2	26
CC77709		10	<1	0.11	10	0.77	558	<1	0.03	17	1220	32	0.06	<2	2	29
CC77710		10	<1	0.11	20	0.47	1390	1	0.03	9	1450	95	0.08	<2	1	20
CC77711		10	<1	0.14	20	0.86	689	1	0.03	24	1070	26	0.01	<2	4	28
CC77712		10	<1	0.10	10	0.70	457	<1	0.03	15	470	15	<0.01	<2	2	16
CC77713		10	<1	0.09	10	0.68	568	<1	0.02	16	820	13	0.04	<2	1	18

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU (Grey Copper Hill)

Finalized Date: 7-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10083885

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC77674		<20	0.02	<10	<10	45	<10	219
CC77675		<20	0.03	<10	<10	472	<10	1070
CC77676		<20	0.02	<10	<10	288	<10	904
CC77677		<20	0.08	<10	<10	242	<10	683
CC77678		<20	0.10	<10	<10	182	<10	470
CC77679		<20	0.15	<10	<10	174	<10	177
CC77680		<20	0.22	<10	<10	131	<10	74
CC77681		<20	0.27	<10	<10	142	<10	140
CC77682		<20	0.38	<10	<10	46	<10	101
CC77683		<20	0.34	<10	<10	45	<10	79
CC77684		<20	0.32	<10	<10	48	<10	91
CC77685		<20	0.22	<10	<10	66	<10	80
CC77686		<20	0.33	<10	<10	40	<10	86
CC77687		<20	0.20	<10	<10	31	<10	81
CC77688		<20	0.08	<10	<10	39	<10	136
CC77689		<20	0.07	<10	<10	58	<10	134
CC77690		<20	0.04	<10	<10	46	<10	141
CC77691		<20	0.04	<10	<10	53	<10	109
CC77692		<20	0.06	<10	<10	76	<10	138
CC77693		<20	0.03	<10	<10	59	<10	160
CC77694		<20	0.02	<10	<10	42	<10	114
CC77695		<20	0.03	<10	<10	45	<10	136
CC77696		<20	0.04	<10	<10	42	<10	156
CC77697		<20	0.05	<10	<10	46	<10	190
CC77698		<20	0.06	<10	<10	37	<10	99
CC77699		<20	0.04	<10	<10	46	<10	179
CC77700		<20	0.03	<10	<10	43	<10	172
CC77701		<20	0.05	<10	<10	51	<10	159
CC77702		<20	0.03	<10	<10	52	<10	166
CC77703		<20	0.02	<10	<10	34	<10	66
CC77704		<20	0.05	<10	<10	43	<10	65
CC77705		<20	0.03	<10	<10	40	<10	79
CC77706		<20	0.06	<10	<10	41	<10	65
CC77707		<20	0.04	<10	<10	46	<10	85
CC77708		<20	0.03	<10	<10	46	<10	146
CC77709		<20	0.07	<10	<10	58	<10	152
CC77710		<20	0.04	<10	<10	67	<10	76
CC77711		<20	0.11	<10	<10	67	<10	112
CC77712		<20	0.08	<10	<10	72	<10	60
CC77713		<20	0.05	<10	<10	70	<10	64

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU (Grey Copper Hill)

Finalized Date: 7-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10083885

Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Sample Description Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC77714	0.38	0.002	0.2	0.45	14	<10	60	0.5	3	0.29	<0.5	23	13	29	4.21
CC77715	0.40	0.004	0.5	0.63	25	<10	50	0.5	2	0.07	<0.5	16	11	35	3.29
CC77716	0.30	0.004	<0.2	0.74	24	<10	70	<0.5	<2	0.08	<0.5	10	23	25	2.97
CC77717	0.28	0.004	<0.2	0.80	22	<10	70	<0.5	2	0.07	<0.5	11	15	29	3.29
CC77718	0.26	0.001	0.3	0.92	26	<10	60	0.5	<2	0.11	<0.5	15	26	39	3.92
CC77719	0.32	0.001	0.2	1.03	19	<10	180	0.5	3	0.24	0.7	15	22	36	4.05
CC77720	0.30	<0.001	0.2	0.99	22	<10	160	0.5	<2	0.24	1.0	14	27	20	4.97
CC77721	0.28	0.001	<0.2	0.98	21	<10	150	0.5	<2	0.39	0.6	15	21	24	3.82
CC77722	0.22	0.004	1.2	0.98	33	<10	180	0.6	2	1.62	1.5	16	18	31	4.74
CC77723	0.30	0.004	0.7	0.71	32	<10	160	<0.5	<2	4.83	0.6	11	13	24	2.88
CC77724	0.26	0.002	0.7	1.07	23	<10	470	0.5	3	3.76	0.8	9	18	23	3.35
CC77725	0.24	0.003	0.6	1.62	27	<10	450	0.7	3	1.80	1.6	12	27	14	2.88
CC77726	0.32	0.002	0.5	1.91	21	<10	480	0.7	3	0.37	0.5	12	29	16	3.90
CC77727	0.32	0.001	0.3	1.37	18	<10	520	0.6	3	0.54	<0.5	13	26	16	3.18
CC77728	0.18	0.001	0.9	0.93	19	<10	170	0.6	2	1.33	5.7	17	11	32	3.83
CC77729	0.34	0.004	1.6	1.05	35	<10	350	<0.5	<2	3.14	0.6	11	22	32	3.29
CC77730	0.24	0.002	0.9	1.53	27	<10	450	0.7	<2	0.95	0.5	10	26	18	3.25
CC77731	0.24	0.003	0.3	1.22	16	<10	220	0.5	<2	1.16	0.5	10	20	17	2.46
CC77732	0.22	0.003	0.2	1.52	17	<10	390	0.7	2	1.51	3.1	15	19	15	2.97
CC77733	0.32	0.002	0.3	0.53	25	<10	170	<0.5	<2	4.99	<0.5	15	13	25	2.79
CC77734	0.26	<0.001	<0.2	0.33	14	<10	40	<0.5	2	12.2	<0.5	2	5	5	0.84
CC77735	0.32	0.002	<0.2	0.31	28	<10	100	<0.5	<2	15.2	<0.5	3	7	8	1.26
CC77736	0.28	0.003	<0.2	1.44	18	<10	220	0.5	2	4.39	0.9	9	23	14	2.63
CC77737	0.32	0.004	<0.2	0.91	23	<10	170	<0.5	3	10.3	0.8	6	15	8	2.21
CC77738	0.28	0.002	0.2	1.72	21	<10	350	0.6	2	2.24	0.9	11	35	18	2.89
CC77739	0.28	0.003	0.3	1.53	18	<10	320	0.5	2	3.66	0.9	9	31	17	2.78
CC77740	0.34	0.003	0.5	1.91	22	<10	360	0.7	3	1.97	1.9	12	38	20	3.44
CC77741	0.26	0.002	0.8	1.89	27	<10	320	0.8	<2	0.87	1.0	11	37	29	3.29
CC77742	0.24	0.001	0.8	1.92	26	<10	350	0.8	<2	1.29	1.7	12	36	25	3.46
CC77743	0.26	<0.001	0.4	1.54	17	<10	490	0.5	3	5.24	1.4	9	30	21	2.80
CC77744	0.26	0.004	0.7	1.07	19	<10	250	<0.5	<2	7.7	2.6	8	19	21	2.09
CC77745	0.30	0.002	1.2	0.80	44	<10	190	<0.5	3	10.1	1.0	7	20	32	1.73
CC77746	0.38	0.001	0.9	1.77	27	<10	500	0.8	2	0.87	1.9	13	42	32	3.45
CC77747	0.26	<0.001	1.3	1.73	34	<10	650	0.9	2	1.65	2.2	12	36	46	2.78
CC77748	0.28	0.005	1.1	1.66	22	<10	160	0.8	<2	2.22	3.3	11	38	57	3.04
CC77749	0.36	0.001	0.6	1.89	19	<10	170	0.7	2	0.89	1.7	12	43	30	3.22
CC77750	0.28	0.003	0.9	1.33	14	<10	170	0.6	3	2.04	5.2	9	31	31	2.32
CC77751	0.20	0.001	0.2	0.80	17	<10	90	0.6	4	0.25	<0.5	28	24	33	4.79
CC77752	0.18	0.001	0.3	0.66	21	<10	120	0.7	2	1.46	0.5	25	10	30	5.35
CC77753	0.22	0.002	0.8	0.89	35	<10	130	0.9	3	0.53	0.9	26	22	61	5.79

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU (Grey Copper Hill)

Finalized Date: 7-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10083885

Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
Sample Description LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC77714	<10	<1	0.23	10	0.08	4880	<1	0.01	18	900	12	0.03	<2	2	20
CC77715	<10	<1	0.17	20	0.11	989	2	0.01	19	560	23	<0.01	2	1	12
CC77716	<10	<1	0.17	20	0.12	774	2	0.02	14	490	22	<0.01	<2	1	13
CC77717	<10	<1	0.21	20	0.11	898	2	0.02	14	570	22	0.01	<2	1	11
CC77718	<10	<1	0.22	20	0.19	974	2	0.02	20	690	40	0.01	3	1	16
CC77719	<10	<1	0.18	20	0.30	2800	1	0.02	20	850	27	0.03	<2	1	19
CC77720	<10	<1	0.18	20	0.18	2940	2	0.02	23	900	48	0.03	<2	2	23
CC77721	<10	<1	0.15	10	0.29	2120	1	0.02	24	1290	44	0.05	<2	2	34
CC77722	<10	1	0.13	10	0.70	2680	1	0.02	44	1320	119	0.08	<2	3	42
CC77723	<10	<1	0.10	20	2.91	810	4	0.03	28	1110	52	0.01	<2	3	67
CC77724	<10	<1	0.12	10	2.06	1645	5	0.03	27	1080	49	0.06	2	3	38
CC77725	<10	<1	0.09	10	1.00	1430	5	0.02	16	1040	68	0.05	<2	2	24
CC77726	10	<1	0.12	10	0.52	721	3	0.02	24	630	42	0.02	<2	4	22
CC77727	<10	<1	0.12	10	0.30	1765	2	0.02	16	1190	40	0.08	<2	2	23
CC77728	<10	<1	0.10	10	0.30	4860	<1	0.03	26	950	72	0.06	<2	2	40
CC77729	<10	1	0.10	10	1.99	621	6	0.03	28	680	114	0.04	2	3	31
CC77730	<10	<1	0.10	20	0.60	872	6	0.03	25	890	72	0.03	<2	3	24
CC77731	<10	<1	0.11	10	0.38	943	2	0.02	18	1130	21	0.09	<2	2	35
CC77732	<10	<1	0.09	10	0.45	2950	6	0.02	17	2120	37	0.17	<2	2	35
CC77733	<10	<1	0.12	10	2.96	820	2	0.02	23	640	27	0.01	<2	2	46
CC77734	<10	<1	0.03	10	7.69	473	3	0.05	4	330	27	0.03	<2	1	44
CC77735	<10	<1	0.05	10	9.34	954	4	0.03	7	390	47	0.01	2	1	94
CC77736	<10	<1	0.08	10	2.78	992	5	0.03	19	930	34	0.04	<2	2	34
CC77737	<10	<1	0.06	10	6.62	1265	5	0.03	12	590	36	0.02	<2	1	54
CC77738	<10	<1	0.07	10	1.44	975	4	0.03	23	1070	31	0.06	<2	2	22
CC77739	<10	<1	0.08	10	2.38	666	5	0.03	22	1190	25	0.06	<2	2	29
CC77740	<10	<1	0.10	20	1.73	650	10	0.03	32	860	28	0.03	<2	3	23
CC77741	<10	<1	0.12	20	0.93	558	12	0.03	39	780	31	0.02	<2	4	24
CC77742	<10	<1	0.13	20	1.25	610	11	0.03	38	900	65	0.02	<2	4	23
CC77743	<10	<1	0.10	10	3.54	655	8	0.03	26	1140	31	0.04	<2	2	38
CC77744	<10	<1	0.08	10	4.86	819	12	0.03	26	1210	35	0.06	<2	1	44
CC77745	<10	<1	0.08	10	6.38	702	5	0.03	21	800	24	0.03	11	2	60
CC77746	<10	<1	0.11	20	0.89	646	21	0.02	52	890	44	0.04	2	3	22
CC77747	<10	<1	0.21	20	0.98	483	21	0.02	62	1360	43	0.08	5	2	34
CC77748	<10	<1	0.26	20	1.51	532	33	0.02	61	1050	28	0.01	2	4	48
CC77749	<10	<1	0.15	20	0.99	464	15	0.02	41	970	18	0.05	<2	3	32
CC77750	<10	<1	0.21	10	0.76	385	16	0.02	40	1150	13	0.09	2	2	54
CC77751	<10	<1	0.34	20	0.13	7000	<1	0.02	29	990	13	0.03	<2	3	26
CC77752	<10	<1	0.19	10	0.42	5540	1	0.02	32	930	28	0.09	4	3	53
CC77753	<10	<1	0.26	20	0.26	4080	2	0.02	38	960	32	0.04	3	4	39

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Finalized Date: 7-JUL-2010
Account: RCM

Project: RAU (Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10083885

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC77714		<20	0.01	<10	<10	13	<10	119
CC77715		<20	0.01	<10	<10	19	<10	125
CC77716		<20	0.04	<10	<10	45	<10	120
CC77717		<20	0.03	<10	<10	36	<10	112
CC77718		<20	0.03	<10	<10	32	<10	172
CC77719		<20	0.02	<10	<10	38	<10	175
CC77720		<20	0.03	<10	<10	52	<10	210
CC77721		<20	0.02	<10	<10	38	<10	182
CC77722		<20	0.01	<10	<10	35	<10	533
CC77723		<20	0.03	<10	<10	31	<10	201
CC77724		<20	0.02	<10	<10	43	<10	154
CC77725		<20	0.02	<10	<10	53	<10	139
CC77726		<20	0.03	<10	<10	58	<10	116
CC77727		<20	0.02	<10	<10	46	<10	115
CC77728		<20	0.02	<10	<10	33	<10	730
CC77729		<20	0.03	<10	<10	43	<10	178
CC77730		<20	0.03	<10	<10	56	<10	133
CC77731		<20	0.02	<10	<10	35	<10	92
CC77732		<20	0.02	<10	<10	49	<10	287
CC77733		<20	0.02	<10	<10	19	<10	94
CC77734		<20	0.01	<10	<10	14	<10	71
CC77735		<20	0.01	<10	<10	13	<10	165
CC77736		<20	0.03	<10	<10	46	<10	137
CC77737		<20	0.02	<10	<10	30	<10	146
CC77738		<20	0.03	<10	<10	59	<10	170
CC77739		<20	0.05	<10	<10	58	<10	156
CC77740		<20	0.09	<10	<10	100	<10	228
CC77741		<20	0.06	<10	<10	124	<10	230
CC77742		<20	0.09	<10	<10	133	<10	311
CC77743		<20	0.06	<10	<10	71	<10	210
CC77744		<20	0.02	<10	<10	57	<10	297
CC77745		<20	0.03	<10	<10	44	<10	194
CC77746		<20	0.08	<10	<10	169	<10	430
CC77747		<20	0.03	<10	<10	256	<10	473
CC77748		<20	0.13	<10	<10	188	<10	494
CC77749		<20	0.10	<10	<10	144	<10	304
CC77750		<20	0.06	<10	<10	137	<10	410
CC77751		<20	0.01	<10	<10	20	<10	112
CC77752		<20	0.01	<10	<10	20	<10	318
CC77753		<20	0.01	<10	<10	24	<10	383

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CERTIFICATE OF ANALYSIS VA10083885

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC77754		0.20	0.002	0.2	0.77	21	<10	180	<0.5	3	0.37	<0.5	11	15	22	2.78
CC77755		0.18	0.002	0.3	0.88	26	<10	110	0.7	2	0.94	0.8	17	28	30	4.62
CC77756		0.24	0.001	0.2	0.83	18	<10	220	0.5	3	0.19	0.7	15	16	24	3.54
CC77757		0.24	NSS	0.2	0.72	18	<10	410	<0.5	4	0.33	0.8	27	29	46	3.30
CC77758		0.18	0.011	0.2	0.34	7	<10	40	<0.5	<2	1.85	1.0	9	5	20	1.49
CC77759		0.22	0.007	1.2	0.55	36	<10	70	0.7	3	4.36	1.5	19	15	64	5.50
CC77760		0.18	0.002	0.4	1.54	22	<10	190	0.8	3	0.67	0.6	14	30	19	5.37
CC77761		0.18	0.002	0.8	0.96	13	<10	260	0.6	3	0.72	1.7	15	15	19	5.30
CC77762		0.20	0.003	1.2	0.68	55	<10	120	0.7	<2	4.20	0.7	30	15	33	4.59
CC77763		0.18	0.001	0.7	0.58	31	<10	130	0.7	3	0.99	<0.5	15	8	26	4.14
CC77764		0.16	0.003	0.2	0.83	22	<10	200	<0.5	2	1.96	0.7	13	29	15	3.08
CC77765		0.20	0.001	0.5	0.84	13	<10	200	1.1	2	2.24	0.8	13	10	15	5.31
CC77766		0.22	0.003	0.9	0.73	62	<10	160	0.7	2	1.49	<0.5	18	20	36	4.01
CC77767		0.20	0.003	0.7	0.68	41	<10	150	0.7	2	2.24	<0.5	16	11	32	3.32
CC77768		0.28	0.003	0.3	0.76	24	<10	120	0.5	2	6.47	0.5	10	20	19	2.51
CC77769		0.22	0.001	0.4	1.03	17	<10	170	0.7	2	0.56	<0.5	17	16	27	3.65
CC77770		0.24	0.001	0.6	0.89	19	<10	150	0.7	2	0.45	<0.5	17	20	37	3.74
CC77771		0.14	0.003	0.3	1.27	39	<10	280	0.8	4	2.84	0.7	14	26	26	4.19
CC77772		0.24	0.002	<0.2	1.31	48	<10	180	0.7	<2	4.94	0.8	15	25	22	3.03
CC77773		0.26	0.001	<0.2	0.18	20	<10	40	<0.5	2	16.6	<0.5	2	3	3	0.70
CC77774		0.32	0.003	<0.2	0.10	15	<10	40	<0.5	2	17.3	<0.5	3	2	3	0.61
CC77775		0.26	<0.001	<0.2	0.19	13	<10	60	<0.5	2	16.5	<0.5	3	4	2	0.61
CC77776		0.26	0.002	<0.2	0.26	15	<10	80	<0.5	<2	16.8	<0.5	2	3	3	0.72
CC77777		0.20	0.001	<0.2	0.56	22	<10	120	<0.5	2	12.7	0.8	5	8	10	1.41
CC77778		0.20	<0.001	<0.2	0.45	15	<10	140	<0.5	2	13.5	<0.5	4	6	6	0.99
CC77779		0.16	0.003	0.3	1.17	17	<10	310	0.5	<2	5.97	1.0	7	19	16	2.03
CC77780		0.14	0.001	0.4	0.91	25	<10	290	<0.5	<2	10.0	0.8	6	13	12	1.92
CC77781		0.16	0.003	0.4	1.52	25	<10	420	0.7	<2	2.99	0.9	10	28	16	2.68
CC77782		0.22	0.003	0.4	0.96	23	<10	380	0.5	2	8.5	0.8	7	15	13	2.05
CC77783		0.20	0.002	0.6	1.54	56	<10	770	0.8	<2	1.39	1.4	12	29	24	2.93
CC77784		0.28	0.002	0.8	1.84	41	<10	740	1.0	<2	1.55	1.6	12	27	22	3.12
CC77785		0.18	0.006	1.9	1.52	38	<10	870	0.8	<2	1.98	3.3	8	22	47	2.52
CC77786		0.18	0.001	0.6	2.03	19	<10	580	1.0	3	2.46	1.1	11	39	17	3.01
CC77787		0.26	0.004	2.8	1.46	36	<10	370	1.0	<2	1.13	7.4	12	35	115	3.05
CC77788		0.22	0.002	2.1	1.77	29	<10	240	1.2	<2	2.00	9.8	7	29	69	2.20
CC77789		0.24	0.001	1.5	2.18	22	<10	300	1.2	<2	1.54	5.9	11	37	55	2.74
CC77790		0.14	0.002	<0.2	1.76	7	<10	240	0.6	<2	1.76	1.3	14	55	31	3.42
CC77791		0.32	0.002	0.3	0.64	15	<10	250	<0.5	<2	12.7	0.9	5	10	11	1.29
CC77792		0.26	0.004	0.9	0.50	51	<10	1840	<0.5	3	13.5	1.6	7	14	25	1.40
CC77793		0.22	0.006	2.1	1.39	24	<10	140	1.0	2	6.58	7.8	7	28	98	1.99

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU (Grey Copper Hill)

Finalized Date: 7-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10083885

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC77754		10	<1	0.23	20	0.13	1645	2	0.03	11	650	19	0.04	<2	1	20
CC77755		<10	<1	0.25	20	0.33	3520	1	0.02	26	1030	29	0.07	<2	3	40
CC77756		<10	<1	0.26	10	0.11	3120	1	0.02	13	1220	39	0.08	<2	1	22
CC77757		<10	<1	0.25	10	0.09	6530	3	0.02	12	1220	75	0.09	<2	<1	22
CC77758		<10	<1	0.15	<10	0.24	2130	1	0.03	6	1640	22	0.20	<2	1	67
CC77759		<10	<1	0.17	10	1.94	5480	4	0.02	53	1620	92	0.10	4	4	75
CC77760		<10	<1	0.14	20	0.37	4110	2	0.02	28	1280	66	0.06	<2	4	32
CC77761		<10	<1	0.13	10	0.16	8400	1	0.03	25	2100	51	0.14	<2	1	29
CC77762		<10	<1	0.19	10	2.12	1865	3	0.03	64	1300	89	0.09	3	2	76
CC77763		<10	<1	0.22	10	0.21	1720	1	0.02	25	1050	25	0.08	<2	3	39
CC77764		<10	<1	0.14	10	0.54	2170	1	0.03	19	940	40	0.10	<2	2	44
CC77765		<10	<1	0.14	10	0.69	6020	<1	0.02	24	2220	23	0.13	<2	3	50
CC77766		<10	<1	0.29	20	0.76	1395	2	0.02	32	850	38	0.09	2	4	49
CC77767		<10	<1	0.19	10	0.69	1120	2	0.02	27	970	31	0.13	<2	2	55
CC77768		<10	<1	0.12	10	3.91	1050	2	0.03	17	720	23	0.04	<2	2	53
CC77769		<10	<1	0.17	10	0.27	1570	1	0.02	24	730	21	0.05	<2	4	25
CC77770		<10	<1	0.17	10	0.28	963	1	0.02	26	770	25	0.03	<2	4	21
CC77771		<10	<1	0.09	10	1.16	2760	3	0.02	24	1410	74	0.12	<2	2	42
CC77772		<10	<1	0.10	10	3.08	1795	4	0.03	25	930	66	0.08	<2	2	41
CC77773		<10	<1	0.02	<10	10.55	483	3	0.03	2	230	69	<0.01	<2	<1	50
CC77774		<10	<1	0.02	<10	11.00	486	4	0.03	3	140	65	<0.01	<2	<1	66
CC77775		<10	<1	0.02	<10	10.35	511	3	0.03	1	250	18	0.02	<2	<1	57
CC77776		<10	<1	0.03	10	10.70	652	7	0.03	4	310	24	<0.01	<2	<1	73
CC77777		<10	<1	0.05	10	8.06	1225	17	0.03	12	730	44	0.07	<2	<1	56
CC77778		<10	<1	0.04	10	8.55	722	4	0.03	9	760	20	0.05	<2	<1	59
CC77779		<10	1	0.07	10	3.24	1285	5	0.03	18	1590	49	0.20	3	1	28
CC77780		<10	1	0.08	10	6.53	1090	7	0.03	16	1180	92	0.08	2	1	49
CC77781		<10	<1	0.11	10	1.59	1125	7	0.03	27	1580	48	0.12	2	2	29
CC77782		<10	1	0.09	10	5.30	968	9	0.03	23	1640	30	0.08	2	1	44
CC77783		<10	1	0.12	10	0.63	1400	10	0.03	45	1830	57	0.13	2	2	26
CC77784		<10	1	0.10	20	0.75	1890	12	0.02	38	2060	63	0.13	8	2	21
CC77785		<10	1	0.11	10	0.63	1465	10	0.03	49	2520	86	0.18	13	1	28
CC77786		<10	1	0.13	20	1.52	1190	10	0.03	33	1800	52	0.09	3	2	24
CC77787		<10	<1	0.32	20	0.61	521	43	0.03	86	1300	89	0.08	12	4	31
CC77788		<10	1	0.47	20	0.79	395	37	0.02	85	1270	67	0.12	8	2	55
CC77789		10	1	0.31	10	0.93	421	26	0.03	84	1230	18	0.10	5	3	55
CC77790		10	1	0.17	10	0.72	1040	13	0.03	34	1730	8	0.14	<2	2	46
CC77791		<10	1	0.06	10	8.57	808	7	0.03	23	780	53	0.04	4	1	50
CC77792		<10	1	0.14	10	8.91	925	25	0.03	52	1240	43	0.09	12	1	103
CC77793		<10	1	0.44	10	1.67	289	43	0.02	91	990	29	0.03	11	3	110

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7-JUL-2010
Account: RCM

Project: RAU (Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10083885

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC77754		<20	0.03	<10	<10	48	<10	131
CC77755		<20	0.01	<10	<10	22	<10	402
CC77756		<20	0.01	<10	<10	34	<10	212
CC77757		<20	0.01	<10	<10	48	<10	190
CC77758		<20	0.01	<10	<10	8	<10	134
CC77759		20	0.01	<10	<10	50	<10	523
CC77760		<20	0.02	<10	<10	49	<10	215
CC77761		<20	0.01	<10	<10	35	<10	357
CC77762		<20	0.01	<10	<10	25	<10	341
CC77763		<20	0.01	<10	<10	17	<10	99
CC77764		<20	0.02	<10	<10	41	<10	195
CC77765		<20	0.01	<10	<10	24	<10	146
CC77766		<20	0.01	<10	<10	24	<10	106
CC77767		<20	0.01	<10	<10	21	<10	132
CC77768		<20	0.01	<10	<10	26	<10	79
CC77769		<20	0.02	<10	<10	29	<10	66
CC77770		<20	0.01	<10	<10	25	<10	67
CC77771		<20	0.01	<10	<10	46	<10	296
CC77772		<20	0.02	<10	<10	43	<10	231
CC77773		<20	<0.01	<10	<10	9	<10	108
CC77774		<20	<0.01	<10	<10	7	<10	64
CC77775		<20	<0.01	<10	<10	9	<10	68
CC77776		<20	0.01	<10	<10	12	<10	92
CC77777		<20	0.01	<10	<10	21	<10	225
CC77778		<20	0.01	<10	<10	18	<10	147
CC77779		<20	0.01	<10	<10	39	<10	257
CC77780		<20	0.01	<10	<10	38	<10	221
CC77781		<20	0.02	<10	<10	59	<10	252
CC77782		<20	0.02	<10	<10	43	<10	237
CC77783		<20	0.02	<10	<10	71	<10	419
CC77784		<20	0.02	<10	<10	83	<10	432
CC77785		<20	0.02	<10	<10	78	<10	747
CC77786		<20	0.03	<10	<10	88	<10	311
CC77787		<20	0.03	<10	<10	372	<10	948
CC77788		<20	0.02	<10	<10	322	<10	1055
CC77789		<20	0.05	<10	<10	329	<10	639
CC77790		<20	0.05	<10	<10	156	<10	151
CC77791		<20	0.01	<10	<10	36	<10	242
CC77792		<20	0.02	<10	<10	100	<10	444
CC77793		<20	0.05	<10	<10	355	<10	814

***** See Appendix Page for comments regarding this certificate *****

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Project: RAU (Grey Copper Hill)

Finalized Date: 7-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10083885

Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
Sample Description LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC77794	0.36	0.003	2.1	1.06	31	<10	120	0.9	<2	11.0	7.6	7	26	103	2.03
CC77795	0.20	0.002	0.8	1.87	27	<10	170	0.9	<2	1.14	2.3	13	67	57	3.53
CC77796	0.30	<0.001	0.3	2.62	3	<10	320	0.9	2	1.46	2.4	22	48	38	5.36
CC77797	0.22	<0.001	<0.2	2.68	3	<10	410	1.5	2	1.04	<0.5	22	28	33	3.81
CC77798	0.24	0.002	<0.2	2.08	<2	<10	230	0.8	2	0.90	<0.5	18	28	12	3.29
CC77799	0.22	<0.001	0.4	3.23	<2	<10	220	1.1	<2	0.97	<0.5	27	57	33	5.18
CC77800	0.38	<0.001	<0.2	3.45	2	<10	160	0.8	<2	1.14	<0.5	37	118	53	5.47
CC77801	0.26	<0.001	<0.2	4.91	2	<10	210	1.0	<2	1.05	<0.5	34	62	46	7.08
CC77802	0.28	0.001	0.5	5.24	<2	<10	260	0.9	<2	1.06	<0.5	40	83	83	7.12
CC77803	0.32	<0.001	<0.2	3.21	3	<10	370	0.9	2	1.19	<0.5	27	93	20	4.57
CC77804	0.30	0.002	<0.2	3.18	2	<10	200	1.0	<2	1.08	<0.5	32	169	41	5.28
CC77805	0.32	<0.001	<0.2	2.58	<2	<10	180	0.9	<2	1.09	<0.5	36	160	30	5.32
CC77806	0.32	<0.001	<0.2	3.52	3	<10	160	<0.5	<2	2.28	<0.5	40	341	9	4.34
CC77807	0.28	0.001	<0.2	2.72	5	<10	190	0.6	<2	1.17	<0.5	28	238	17	3.68
CC77808	0.22	<0.001	0.2	1.81	6	<10	210	0.7	<2	5.01	0.5	13	35	19	2.85
CC77809	0.26	0.002	0.3	1.84	6	<10	470	0.7	<2	1.30	<0.5	11	44	22	2.83
CC77810	0.24	0.001	0.2	2.06	13	<10	510	0.7	<2	0.53	<0.5	11	39	23	3.35
CC77811	0.30	0.006	0.4	1.99	8	<10	440	0.6	<2	1.05	1.7	18	79	28	3.71
CC77812	0.22	0.002	0.4	1.45	14	<10	210	0.6	<2	1.99	1.9	12	33	36	3.20
CC77813	0.22	0.002	0.2	2.18	13	<10	310	0.8	<2	1.69	1.0	11	35	20	3.33
CC77814	0.28	0.007	0.3	1.72	11	<10	210	0.7	2	5.81	1.4	11	36	19	2.84
CC77815	0.26	0.002	0.3	2.11	7	<10	220	0.8	<2	2.46	2.6	11	36	27	3.30
CC77816	0.20	0.004	0.2	1.63	12	<10	390	0.6	<2	2.96	1.2	11	31	28	2.94
CC77817	0.26	0.003	<0.2	2.18	12	<10	280	0.7	<2	1.14	0.6	12	34	26	3.19
CC77818	0.24	0.002	<0.2	2.01	11	<10	250	0.7	<2	2.04	1.5	11	35	22	3.06
CC77819	0.24	0.001	0.2	2.20	13	<10	240	0.8	<2	1.66	1.5	11	37	18	3.25
CC77820	0.20	0.001	0.2	2.05	8	<10	230	0.7	<2	1.22	0.6	11	36	20	2.98
CC77821	0.24	0.003	0.2	2.13	14	<10	240	0.8	<2	0.80	<0.5	13	40	23	3.70
CC77822	0.32	0.003	0.2	1.47	9	<10	180	0.5	<2	3.25	<0.5	9	30	18	2.72
CC77823	0.22	0.002	0.3	1.69	11	<10	140	0.6	<2	1.19	<0.5	9	30	16	2.88
CC77824	0.30	0.001	0.2	1.71	11	<10	170	0.6	<2	2.28	<0.5	10	31	20	3.17
CC77825	0.24	<0.001	<0.2	1.62	15	<10	190	0.6	<2	1.69	0.7	9	34	19	2.94
CC77826	0.24	0.002	<0.2	1.83	12	<10	220	0.7	<2	1.75	0.8	10	30	25	2.99
CC77827	0.24	0.001	0.2	1.29	11	<10	140	<0.5	<2	7.09	0.6	7	25	11	2.22
CC77828	0.28	0.002	<0.2	2.04	13	<10	230	0.7	<2	2.15	0.6	9	33	13	3.01
CC77829	0.32	<0.001	0.2	1.50	8	<10	170	0.5	<2	6.58	3.8	8	25	19	2.25
CC77830	0.30	0.002	0.2	1.40	8	<10	170	0.5	<2	4.09	<0.5	9	27	21	2.72
CC77831	0.24	0.004	0.2	1.74	11	<10	210	0.6	<2	1.55	<0.5	11	39	21	3.26
CC77832	0.30	0.003	0.2	1.56	8	<10	210	0.6	<2	3.11	0.7	10	28	23	2.89
CC77833	0.30	0.003	0.2	2.08	9	<10	270	0.7	<2	0.59	<0.5	10	39	16	3.07

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU (Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10083885

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC77794		<10	<1	0.43	10	1.50	210	72	0.02	87	860	17	0.05	12	3	199
CC77795		10	1	0.21	20	1.23	385	21	0.03	49	1020	27	0.05	3	5	41
CC77796		10	1	0.35	40	2.25	1055	1	0.02	39	2760	123	0.02	<2	4	41
CC77797		10	1	0.32	20	2.33	1390	<1	0.03	24	2650	6	0.05	<2	2	46
CC77798		10	1	0.29	10	1.90	708	1	0.03	18	1400	7	0.07	<2	2	31
CC77799		10	1	0.27	20	3.11	1045	<1	0.03	40	1730	52	0.05	3	5	35
CC77800		10	<1	0.21	10	4.21	1100	<1	0.03	79	2280	11	0.03	<2	5	34
CC77801		20	<1	0.32	10	5.23	1370	<1	0.03	38	1770	23	0.05	<2	6	43
CC77802		20	1	0.14	10	6.18	1465	<1	0.03	58	1250	13	0.04	<2	7	40
CC77803		10	<1	0.14	20	3.18	853	<1	0.03	53	1470	12	0.05	<2	5	42
CC77804		10	1	0.37	20	3.44	977	<1	0.03	93	1750	7	0.03	<2	5	30
CC77805		10	<1	0.34	10	2.67	1150	<1	0.03	84	1690	9	0.04	<2	7	30
CC77806		10	1	0.03	<10	4.96	852	<1	0.03	137	600	<2	0.05	2	5	44
CC77807		10	1	0.08	10	2.88	1080	1	0.03	82	920	11	0.06	<2	6	30
CC77808		10	1	0.11	10	1.00	1485	<1	0.03	29	1030	15	0.07	<2	2	42
CC77809		<10	<1	0.12	10	0.84	807	1	0.03	24	1420	20	0.11	<2	3	36
CC77810		10	1	0.11	20	0.65	993	1	0.03	21	840	33	0.03	<2	4	26
CC77811		10	1	0.11	20	1.50	863	2	0.03	46	1300	28	0.05	2	4	35
CC77812		<10	1	0.16	20	0.79	660	3	0.04	27	1040	46	0.07	<2	3	30
CC77813		10	<1	0.11	10	0.82	1005	1	0.03	26	690	47	0.05	2	4	25
CC77814		<10	<1	0.11	10	1.50	811	1	0.03	24	1080	65	0.09	<2	2	39
CC77815		<10	<1	0.09	20	1.02	1110	2	0.03	33	760	91	0.06	2	3	25
CC77816		<10	<1	0.13	20	1.05	951	1	0.03	29	1000	55	0.07	<2	3	40
CC77817		<10	<1	0.10	20	0.61	821	1	0.03	28	850	25	0.06	<2	3	25
CC77818		<10	<1	0.12	20	0.83	693	1	0.03	27	720	28	0.06	<2	4	30
CC77819		<10	<1	0.14	20	0.79	477	1	0.03	31	590	38	0.05	<2	4	29
CC77820		<10	<1	0.10	20	0.65	677	1	0.03	28	600	15	0.07	<2	4	25
CC77821		10	1	0.11	20	0.73	790	1	0.04	32	500	21	0.05	<2	5	23
CC77822		<10	1	0.12	20	1.46	540	2	0.03	24	800	17	0.06	<2	3	33
CC77823		10	<1	0.11	20	0.69	387	1	0.03	23	580	20	0.05	<2	3	21
CC77824		<10	<1	0.14	20	1.47	570	1	0.03	23	780	20	0.05	<2	3	27
CC77825		<10	<1	0.13	20	0.56	577	4	0.02	29	1060	21	0.07	2	2	21
CC77826		10	<1	0.11	10	0.60	1325	2	0.02	23	1140	23	0.08	<2	2	24
CC77827		<10	<1	0.09	10	3.96	486	1	0.03	19	490	61	0.03	2	3	32
CC77828		<10	<1	0.09	10	1.44	516	1	0.02	22	360	46	0.02	<2	4	21
CC77829		<10	<1	0.10	10	4.17	703	1	0.03	24	790	422	0.06	<2	2	31
CC77830		<10	<1	0.14	20	1.97	480	2	0.03	25	860	18	0.04	<2	4	45
CC77831		<10	<1	0.14	20	1.14	542	1	0.03	26	750	26	0.04	<2	4	30
CC77832		<10	1	0.13	20	1.53	767	1	0.03	22	840	33	0.06	<2	3	32
CC77833		<10	<1	0.11	20	0.77	451	1	0.03	22	770	20	0.04	<2	4	22

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU (Grey Copper Hill)

Finalized Date: 7-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10083885

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC77794		<20	0.03	<10	<10	251	<10	767
CC77795		<20	0.17	<10	<10	345	<10	266
CC77796		<20	0.22	<10	<10	62	<10	867
CC77797		<20	0.13	<10	<10	44	<10	122
CC77798		<20	0.18	<10	<10	36	<10	103
CC77799		<20	0.35	<10	<10	72	<10	128
CC77800		<20	0.41	<10	<10	69	<10	115
CC77801		<20	0.55	<10	<10	122	<10	161
CC77802		<20	0.59	<10	<10	144	<10	166
CC77803		<20	0.30	<10	<10	72	<10	146
CC77804		<20	0.43	<10	<10	73	<10	96
CC77805		<20	0.54	<10	<10	76	<10	103
CC77806		<20	0.43	<10	<10	81	<10	69
CC77807		<20	0.21	<10	<10	71	<10	78
CC77808		<20	0.07	<10	<10	38	<10	78
CC77809		<20	0.04	<10	<10	50	<10	101
CC77810		<20	0.04	<10	<10	68	<10	130
CC77811		<20	0.11	<10	<10	61	<10	162
CC77812		<20	0.04	<10	<10	53	<10	247
CC77813		<20	0.04	<10	<10	67	<10	234
CC77814		<20	0.03	<10	<10	48	<10	144
CC77815		<20	0.05	<10	<10	55	<10	332
CC77816		<20	0.07	<10	<10	49	<10	265
CC77817		<20	0.05	<10	<10	61	<10	133
CC77818		<20	0.06	<10	<10	58	<10	145
CC77819		<20	0.06	<10	<10	64	<10	199
CC77820		<20	0.05	<10	<10	59	<10	114
CC77821		<20	0.06	<10	<10	66	<10	97
CC77822		<20	0.05	<10	<10	46	<10	89
CC77823		<20	0.05	<10	<10	52	<10	91
CC77824		<20	0.06	<10	<10	50	<10	85
CC77825		<20	0.03	<10	<10	49	<10	126
CC77826		<20	0.03	<10	<10	51	<10	113
CC77827		<20	0.04	<10	<10	41	<10	133
CC77828		<20	0.04	<10	<10	59	<10	129
CC77829		<20	0.04	<10	<10	43	<10	531
CC77830		<20	0.07	<10	<10	46	<10	78
CC77831		<20	0.06	<10	<10	53	<10	89
CC77832		<20	0.05	<10	<10	46	<10	114
CC77833		<20	0.09	<10	<10	60	<10	102

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7-JUL-2010
Account: RCM

Project: RAU (Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10083885

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC77834		0.34	0.002	0.3	2.07	9	<10	210	0.6	<2	0.89	<0.5	15	47	22	3.92
CC77835		0.36	0.003	<0.2	2.06	8	<10	270	0.6	<2	0.49	<0.5	11	51	23	3.18
CC77836		0.36	0.002	0.3	2.35	8	<10	370	0.7	<2	0.50	<0.5	13	49	26	3.52
CC77837		0.30	0.003	0.2	2.48	9	<10	300	0.7	<2	0.65	<0.5	16	59	24	3.98

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Project: RAU (Grey Copper Hill)

Finalized Date: 7-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10083885

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC77834		10	<1	0.13	20	1.39	711	1	0.04	30	1230	12	0.02	<2	5	38
CC77835		10	<1	0.10	20	0.98	495	1	0.03	26	780	13	0.03	<2	4	27
CC77836		10	<1	0.11	20	1.01	600	1	0.03	27	970	13	0.03	<2	4	29
CC77837		10	<1	0.13	20	1.31	676	1	0.03	32	910	12	0.03	<2	5	35

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Project: RAU (Grey Copper Hill)

Finalized Date: 7-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10083885

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC77834		<20	0.43	<10	<10	83	<10	89
CC77835		<20	0.17	<10	<10	66	<10	76
CC77836		<20	0.16	<10	<10	72	<10	84
CC77837		<20	0.29	<10	<10	80	<10	86

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU (Grey Copper Hill)

Finalized Date: 7-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10083885

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non-sufficient sample.

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 5-JUL-2010
Account: RCM

CERTIFICATE VA10083886

Project: RAU

P.O. No.: BATCH 18

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 23-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LOG-23	Pulp Login - Rcvd with Barcode
CRU-31	Fine crushing - 70% <2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Project: RAU

CERTIFICATE OF ANALYSIS VA10083886

Method	WEI-21	Au-AA26	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
Sample Description Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
LOR	0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
I075113	7.28	0.01	1.57	0.04	389	10	0.12	101.5	16.05	3.99	6.01	4.4	1	0.18	5.4
I075114	5.20	<0.01	0.01	0.07	<5	20	0.09	0.17	21.9	0.07	1.36	1.3	2	0.21	2.2
I075115	8.26	<0.01	0.28	0.57	97	30	0.24	74.6	19.15	0.67	8.09	2.9	5	0.25	3.5
I075116	5.02	<0.01	0.11	0.07	7	20	0.24	1.32	21.0	0.36	3.02	0.9	3	0.17	1.7
I075117	5.04	0.01	1.20	0.08	80	160	0.20	17.35	20.2	2.28	4.73	1.4	2	0.18	4.8
I075118	4.50	0.02	2.95	0.54	426	20	0.17	40.1	13.85	4.47	7.79	5.9	13	0.22	6.3
I075119	8.52	0.01	0.61	0.06	126	20	0.13	48.6	18.90	2.80	4.50	2.1	3	0.13	2.9
I075120	8.10	<0.01	0.31	0.04	35	10	0.18	2.74	20.1	5.85	4.74	2.0	3	0.07	2.7
I075121	8.64	<0.01	0.14	0.03	20	10	0.22	3.80	21.7	0.60	4.20	1.2	3	0.09	2.1
I075122	7.66	<0.01	0.11	0.03	28	20	0.17	0.82	21.1	0.48	2.76	1.2	3	<0.05	1.4
I075123	0.28	4.12	0.25	0.10	>10000	10	<0.05	236	10.05	0.05	6.62	1.3	9	0.56	29.5
I075124	5.46	0.02	0.19	0.05	96	10	0.18	6.36	21.2	0.88	3.61	1.7	3	0.07	2.2
I075125	6.04	0.01	0.12	0.05	138	40	0.13	9.27	20.8	0.36	4.09	1.2	3	0.14	2.4
I075126	2.56	0.01	0.20	0.05	156	30	0.12	7.17	19.65	0.49	4.68	1.2	1	0.13	2.7
I075127	4.44	0.03	0.77	0.08	107	50	0.16	11.20	20.3	11.95	7.29	1.1	2	0.23	7.3
I075128	2.12	0.08	6.00	0.13	119	390	0.14	17.85	18.40	175.0	7.58	2.6	<1	0.17	68.8
I075129	4.20	<0.01	0.01	0.07	<5	20	0.06	0.06	21.4	0.18	1.58	1.6	1	0.13	3.1
I075130	5.48	0.01	0.42	0.07	46	270	0.14	1.54	20.3	3.20	5.41	1.5	2	0.22	3.4
I075131	5.96	0.03	0.59	0.06	90	60	0.18	9.42	20.1	2.07	6.44	1.2	3	0.28	3.2
I075132	5.90	<0.01	0.07	0.08	11	40	0.14	0.44	21.3	0.41	22.3	1.0	1	0.24	1.7
I075133	5.74	0.01	0.21	0.09	25	100	0.19	2.01	21.0	0.56	14.05	1.3	2	0.23	1.8
I075134	5.70	<0.01	0.03	0.68	<5	120	0.25	0.03	33.9	0.08	13.90	4.2	7	0.39	4.3
I075135	2.34	<0.01	0.35	12.05	110.5	2140	2.04	2.56	0.75	<0.02	105.5	15.4	542	9.78	32.9
I075136	3.58	<0.01	0.27	9.80	71.8	1870	1.92	1.83	3.83	0.06	122.0	29.3	274	10.55	41.8
I075137	4.80	<0.01	0.09	10.00	26.4	2320	2.70	0.78	0.08	0.02	132.0	3.2	290	7.08	4.4
I075138	4.34	<0.01	0.22	8.58	111.0	2630	2.28	0.08	0.19	0.39	108.0	27.2	226	5.93	51.5
I075139	9.02	<0.01	0.03	0.63	13	240	0.17	0.04	34.0	0.26	10.20	3.2	16	0.35	3.0
I075140	0.26	1.36	0.58	4.88	72.3	80	1.15	1.34	1.01	0.11	14.10	22.8	151	25.7	443
I075141	9.58	0.01	0.03	0.47	17	140	0.17	0.04	34.7	0.25	7.35	1.6	9	0.38	2.9
I075142	3.86	<0.01	0.06	0.74	39	200	0.19	0.22	33.4	0.51	10.65	4.3	15	1.03	6.3
I075143	4.34	<0.01	0.03	0.39	19	120	0.10	0.13	34.7	0.35	5.53	1.6	7	0.49	2.6
I075144	2.66	<0.01	0.03	0.15	7	70	0.06	0.02	35.6	0.72	3.95	1.3	2	0.14	2.9
I075145	1.62	<0.01	0.13	0.64	43	190	0.24	0.45	33.4	1.15	9.08	2.5	13	0.97	5.5
I075146	5.88	<0.01	0.33	0.23	21	60	0.16	0.06	31.4	0.75	6.26	1.3	7	0.22	1.4
I075147	7.66	<0.01	0.05	0.27	19	70	0.08	0.04	34.7	0.35	6.81	1.4	8	0.31	1.7
I075148	2.42	0.01	0.12	0.60	44	130	0.17	0.02	34.2	0.87	15.75	4.5	22	0.46	3.8

***** See Appendix Page for comments regarding this certificate *****

ALS Chemex
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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 5-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10083886

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I075113		10.80	0.41	0.29	<0.1	0.084	0.01	2.3	2.4	9.28	1960	0.09	0.01	0.2	27.7	10
I075114		0.45	0.26	0.07	<0.1	<0.005	0.03	0.6	1.1	13.05	205	0.20	0.01	0.2	<0.2	200
I075115		3.50	1.49	0.13	0.2	0.021	0.07	3.9	4.9	11.20	937	0.38	0.19	0.6	8.2	130
I075116		0.41	0.45	0.09	<0.1	0.012	0.01	1.5	6.1	12.40	622	1.07	0.03	0.3	<0.2	30
I075117		2.41	0.49	0.11	<0.1	0.022	0.01	2.3	3.6	12.00	716	0.74	0.02	0.4	3.1	70
I075118		14.60	3.53	0.35	0.3	0.033	0.01	3.7	3.5	8.23	913	10.00	0.07	1.1	41.0	270
I075119		4.40	0.50	0.13	<0.1	0.055	<0.01	2.0	3.8	11.05	1670	0.91	0.02	0.2	8.9	230
I075120		2.72	0.41	0.11	<0.1	0.069	<0.01	2.1	4.7	11.70	2070	1.48	0.01	0.2	7.0	40
I075121		1.26	0.25	0.08	<0.1	0.028	<0.01	1.9	6.1	12.75	1240	1.90	0.01	0.2	1.4	20
I075122		1.10	0.22	0.08	<0.1	0.009	<0.01	1.5	3.6	12.55	550	1.32	0.01	0.2	2.0	30
I075123		21.2	1.36	0.64	0.1	0.156	0.05	2.6	1.9	5.50	1930	5.26	0.01	1.0	9.0	90
I075124		2.44	0.30	0.10	<0.1	0.011	<0.01	1.9	3.8	12.60	708	1.39	0.01	0.2	5.8	60
I075125		2.76	0.31	0.10	<0.1	0.012	0.01	3.1	2.4	12.40	498	0.05	0.01	0.3	1.1	90
I075126		3.22	0.33	0.12	<0.1	0.011	0.01	3.5	2.2	11.65	473	<0.05	0.01	0.3	1.5	110
I075127		2.27	0.58	0.09	<0.1	0.284	0.01	5.1	2.7	11.90	1180	0.32	0.02	0.4	0.7	100
I075128		9.82	2.52	0.24	0.1	18.00	0.02	3.9	1.5	5.09	17650	0.74	0.01	0.4	4.9	170
I075129		0.44	0.43	0.13	<0.1	0.015	0.03	0.8	1.2	12.70	206	0.13	0.01	0.3	<0.2	180
I075130		1.70	0.62	0.08	<0.1	0.114	0.01	3.8	2.5	11.90	1340	0.43	0.02	0.3	1.9	130
I075131		2.35	0.52	0.08	<0.1	0.040	0.02	4.3	3.2	11.75	1260	0.36	0.02	0.2	0.2	110
I075132		0.59	0.57	0.08	<0.1	0.025	0.01	14.9	2.8	12.60	925	1.08	0.02	0.3	<0.2	120
I075133		1.09	0.64	0.10	0.1	0.023	0.01	9.5	2.9	12.40	919	0.06	0.02	0.4	0.2	120
I075134		0.83	1.45	0.08	0.3	0.009	0.32	8.1	2.2	0.53	453	0.68	0.01	4.1	4.4	80
I075135		6.56	36.0	0.27	0.8	0.124	6.07	47.5	38.0	0.75	174	1.19	0.11	31.2	115.0	1110
I075136		8.16	26.8	0.28	1.4	0.089	5.34	69.1	28.6	0.62	325	1.61	0.09	46.6	162.0	1450
I075137		3.98	32.9	0.13	0.9	0.112	5.47	70.6	26.2	0.68	89	0.66	0.07	42.2	21.9	970
I075138		7.65	24.3	0.17	0.8	0.093	4.42	65.7	19.9	0.60	300	1.00	0.06	34.1	156.5	2100
I075139		0.46	1.80	0.06	0.2	0.008	0.29	6.9	1.2	0.19	219	0.10	0.01	4.6	3.4	140
I075140		1.91	13.20	0.09	1.5	0.046	3.50	8.0	6.5	0.38	287	4.68	1.19	2.7	463	440
I075141		0.47	1.30	0.06	0.3	0.007	0.22	6.3	1.0	0.29	234	0.06	<0.01	3.0	0.9	180
I075142		0.72	1.93	0.06	0.4	0.015	0.30	9.1	2.3	0.36	370	0.14	<0.01	3.9	8.6	190
I075143		0.41	1.13	0.06	0.1	0.008	0.17	5.0	1.0	0.23	324	0.07	<0.01	2.0	1.6	70
I075144		0.17	0.56	0.11	0.1	<0.005	0.07	4.1	0.4	0.21	506	0.07	<0.01	1.0	<0.2	60
I075145		0.74	1.60	0.06	0.2	0.015	0.23	7.3	2.7	0.28	448	0.13	<0.01	2.6	5.1	130
I075146		0.35	0.69	0.07	0.1	<0.005	0.05	6.3	1.4	3.40	436	0.09	<0.01	1.2	<0.2	90
I075147		0.38	0.71	0.06	0.2	0.006	0.10	6.2	0.9	0.27	239	0.07	<0.01	1.7	3.0	100
I075148		0.77	1.49	<0.05	0.4	0.014	0.24	10.6	1.8	0.32	346	0.13	0.01	4.0	5.5	250

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1016-510 W HASTINGS ST
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Project: RAU

Finalized Date: 5-JUL-2010
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CERTIFICATE OF ANALYSIS VA10083886

Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Sample Description LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I075113	133.5	0.5	<0.002	>10.0	2.03	1.4	4	0.2	64.7	<0.05	0.22	<0.2	<0.005	0.08	2.9
I075114	2.0	1.3	<0.002	0.04	<0.05	0.4	2	<0.2	47.0	<0.05	<0.05	<0.2	<0.005	<0.02	0.7
I075115	37.0	2.1	<0.002	4.01	1.87	2.0	2	0.5	78.9	<0.05	0.13	0.2	0.036	0.04	2.9
I075116	18.0	0.5	<0.002	0.26	0.19	0.5	2	0.3	63.7	<0.05	<0.05	<0.2	0.006	0.03	1.9
I075117	73.3	0.7	<0.002	2.82	0.69	0.7	2	0.5	67.6	<0.05	0.06	<0.2	0.007	0.03	1.8
I075118	237	0.5	0.016	>10.0	1.12	0.8	5	0.6	52.9	0.06	0.25	0.4	0.023	0.07	5.8
I075119	38.6	0.4	<0.002	5.47	1.90	0.8	2	0.2	69.5	<0.05	0.10	<0.2	<0.005	0.02	2.9
I075120	67.8	0.3	0.002	2.11	0.27	0.6	2	0.2	79.8	<0.05	<0.05	0.2	<0.005	<0.02	2.6
I075121	15.3	0.4	0.003	1.10	0.23	0.8	2	0.2	84.9	<0.05	<0.05	<0.2	<0.005	<0.02	2.7
I075122	22.0	0.3	0.002	1.27	0.13	0.4	2	0.2	71.7	<0.05	<0.05	<0.2	<0.005	<0.02	2.8
I075123	6.9	6.3	0.003	>10.0	21.9	0.7	5	3.1	67.6	<0.05	0.60	0.2	0.006	0.11	0.4
I075124	34.1	0.6	<0.002	3.03	0.67	0.6	3	0.2	76.4	<0.05	<0.05	0.2	<0.005	0.03	6.7
I075125	29.8	1.3	<0.002	3.60	0.36	0.4	3	0.2	38.6	<0.05	<0.05	<0.2	<0.005	0.03	0.1
I075126	43.0	1.3	<0.002	4.27	0.37	0.4	3	0.2	37.3	<0.05	<0.05	<0.2	<0.005	0.03	0.1
I075127	128.5	1.5	<0.002	2.55	2.94	0.5	2	1.4	43.6	<0.05	<0.05	<0.2	0.005	0.05	0.6
I075128	1585	2.0	0.003	4.55	16.10	0.7	8	40.9	44.2	<0.05	0.05	0.2	<0.005	0.11	0.3
I075129	2.8	1.3	<0.002	0.01	<0.05	0.4	1	<0.2	48.7	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
I075130	97.6	1.1	<0.002	1.51	0.70	0.5	2	0.6	45.3	<0.05	<0.05	<0.2	<0.005	0.04	0.2
I075131	92.1	1.7	<0.002	2.40	0.76	0.6	2	0.6	50.9	<0.05	<0.05	<0.2	<0.005	0.04	0.1
I075132	20.5	1.8	<0.002	0.24	0.28	0.6	2	0.4	48.8	<0.05	<0.05	<0.2	0.005	0.03	0.3
I075133	54.8	1.0	<0.002	1.01	0.43	0.6	2	0.3	48.9	<0.05	<0.05	<0.2	0.007	0.04	0.2
I075134	2.1	8.6	<0.002	0.03	0.14	1.6	3	0.2	246	0.24	<0.05	1.0	0.061	0.09	0.4
I075135	2.9	174.5	<0.002	0.71	0.51	44.2	2	6.0	142.5	2.08	0.13	5.7	1.280	2.03	1.0
I075136	3.0	172.0	0.002	1.00	0.43	25.9	2	4.1	177.5	2.91	<0.05	8.6	0.833	1.64	1.1
I075137	4.1	206	0.002	0.92	0.37	27.7	1	4.0	142.5	2.62	<0.05	9.4	0.534	1.89	0.6
I075138	4.2	156.0	0.002	0.79	1.16	23.4	2	2.5	195.0	2.02	<0.05	8.2	0.572	1.49	0.8
I075139	2.1	9.5	<0.002	0.02	0.23	2.0	2	0.3	236	0.24	0.07	0.5	0.095	0.08	0.2
I075140	167.5	910	<0.002	0.29	2.54	3.1	1	3.2	47.3	2.20	0.17	2.0	0.080	8.07	0.7
I075141	2.3	9.8	<0.002	0.02	0.14	1.4	2	0.3	147.0	0.17	0.06	0.5	0.065	0.04	0.3
I075142	10.4	14.0	<0.002	0.01	0.54	2.1	2	0.4	141.0	0.22	0.05	0.7	0.099	0.13	0.6
I075143	6.1	7.2	<0.002	0.01	0.35	1.2	2	0.2	125.5	0.10	<0.05	0.3	0.049	0.07	0.3
I075144	6.2	2.5	<0.002	0.01	0.28	0.8	2	0.2	124.5	<0.05	<0.05	<0.2	0.020	0.07	0.2
I075145	24.4	11.6	<0.002	0.01	2.13	2.0	2	0.4	109.5	0.14	<0.05	0.6	0.070	0.15	0.4
I075146	6.7	2.4	<0.002	0.01	0.58	1.0	2	<0.2	64.3	0.06	<0.05	0.3	0.029	0.03	0.3
I075147	2.8	4.7	<0.002	0.02	0.22	1.1	2	0.2	140.0	0.09	<0.05	0.3	0.043	0.03	0.3
I075148	3.3	8.6	<0.002	0.01	0.22	2.3	2	0.2	140.0	0.22	<0.05	0.7	0.105	0.08	0.6

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Project: RAU

Finalized Date: 5-JUL-2010
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CERTIFICATE OF ANALYSIS VA10083886

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Zn-OG62 Zn % 0.001	As-OG62 As % 0.001
I075113		9	0.3	7.3	915	0.6		
I075114		3	0.1	0.8	19	<0.5		
I075115		22	12.0	4.9	206	5.5		
I075116		10	1.5	1.6	120	1.6		
I075117		12	5.1	2.3	564	1.7		
I075118		41	7.4	3.6	1060	9.3		
I075119		20	1.0	3.2	694	1.4		
I075120		9	1.8	3.3	1440	1.3		
I075121		9	1.1	3.2	180	1.1		
I075122		11	0.9	1.4	152	1.0		
I075123		2	283	4.8	13	3.7		6.45
I075124		38	1.2	2.1	236	1.5		
I075125		4	0.3	3.1	101	1.5		
I075126		4	0.3	3.0	128	1.8		
I075127		6	0.7	4.1	2000	2.0		
I075128		9	1.1	5.8	>10000	2.5	3.72	
I075129		3	0.1	0.9	43	<0.5		
I075130		9	6.9	4.3	706	1.9		
I075131		8	0.7	5.0	526	1.6		
I075132		8	13.4	5.2	117	1.9		
I075133		7	0.6	7.0	145	2.8		
I075134		8	0.2	4.5	13	15.2		
I075135		338	2.2	9.7	27	30.4		
I075136		202	1.7	15.9	42	59.2		
I075137		138	1.0	8.2	17	35.2		
I075138		171	2.0	14.8	100	30.2		
I075139		20	0.3	6.8	35	8.5		
I075140		21	8.7	3.5	133	55.5		
I075141		11	0.3	6.1	27	9.9		
I075142		17	0.6	7.9	154	15.4		
I075143		10	0.4	4.8	119	6.8		
I075144		5	0.4	5.5	83	3.5		
I075145		13	15.6	7.1	291	9.2		
I075146		10	5.5	6.3	247	6.2		
I075147		10	0.8	6.0	68	6.3		
I075148		26	0.5	11.3	148	16.0		

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To: **ATAC RESOURCES LTD.**
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Project: RAU

Finalized Date: 5-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10083886

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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Finalized Date: 5-JUL-2010
This copy reported on 3-AUG-2010
Account: RCM

CERTIFICATE VA10083887

Project: RAU

P.O. No.: BATCH 14

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 23-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LOG-23	Pulp Login - Rcvd with Barcode
CRU-31	Fine crushing - 70% <2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 5-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10083887

Sample Description	Method	WEI-21	Au-AA26	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
I074969		6.18	0.02	0.23	0.43	5	40	0.13	0.18	20.2	0.20	8.55	1.6	7	3.62	3.1
I074970		6.24	0.01	0.12	1.18	8	30	0.36	1.60	18.30	0.05	16.45	3.7	14	13.75	5.7
I074971		3.38	0.01	0.31	0.76	2080	10	0.23	49.3	8.80	0.07	5.93	65.3	8	10.80	32.0
I074972		5.08	<0.01	0.05	0.31	10	20	0.17	0.42	19.70	0.11	8.95	1.6	5	3.96	2.4
I074973		4.18	<0.01	0.01	0.06	<5	<10	0.07	0.04	19.55	0.06	1.35	1.2	<1	0.11	2.9
I074974		5.32	<0.01	0.03	0.09	13	80	0.11	1.28	19.35	0.03	3.91	1.1	1	0.33	2.1
I074975		2.32	<0.01	0.02	0.03	16	80	0.08	0.51	20.0	0.02	2.74	1.4	2	0.09	1.5
I074976		3.94	0.01	0.25	0.04	97	60	0.09	9.67	18.90	0.53	4.39	1.1	1	0.10	2.2
I074977		5.28	0.04	0.07	0.04	368	10	<0.05	23.0	15.95	0.05	6.19	1.3	2	0.12	2.3
I074978		4.28	<0.01	0.01	0.09	11	20	0.09	0.04	19.75	0.06	1.30	1.3	1	0.23	2.1
I074979		6.08	<0.01	0.01	0.03	51	30	0.09	1.12	19.30	0.03	2.59	0.8	1	0.12	1.4
I074980		6.18	0.06	0.08	0.06	259	10	0.12	19.85	14.15	0.04	5.23	0.6	<1	0.16	2.4
I074981		6.28	0.04	0.04	0.11	129	50	0.09	2.21	17.45	0.06	7.42	0.6	4	0.37	2.1
I074982		5.96	<0.01	0.02	0.08	53	50	0.11	2.49	19.00	0.02	3.70	0.7	1	0.21	1.7
I074983		5.94	0.01	0.02	0.08	70	50	0.08	3.54	18.75	0.02	3.77	0.9	2	0.14	2.0
I074984		5.22	0.01	0.02	0.41	29	240	0.17	1.38	19.15	0.02	5.94	1.3	2	0.50	2.2
I074985		4.86	0.02	0.02	0.30	34	220	0.19	1.36	18.80	0.02	5.05	1.0	3	0.53	3.5
I074986		0.28	1.82	0.28	0.23	>10000	10	0.08	259	12.95	0.21	16.40	2.3	5	1.15	24.5
I074987		4.98	0.01	0.04	0.09	57	70	0.10	3.68	18.80	0.04	3.54	0.8	1	0.34	1.6
I074988		5.98	0.12	0.01	0.14	25	140	0.16	1.77	19.35	0.03	4.19	1.0	2	0.31	2.3
I074989		5.64	0.05	0.03	0.18	57	150	0.16	2.78	17.40	0.03	4.39	1.0	2	0.25	2.9
I074990		5.92	0.01	0.04	0.48	29	480	0.28	1.69	17.00	0.03	5.93	1.2	6	0.64	3.0
I074991		2.64	0.01	0.04	0.54	16	510	0.31	1.86	16.85	0.04	6.18	1.3	5	0.72	2.9
I074992		5.08	0.14	0.04	0.40	109	240	0.22	4.82	17.45	0.03	6.11	1.0	3	0.61	2.2
I074993		4.86	0.02	0.19	0.21	31	540	0.13	1.84	19.60	0.71	6.20	1.5	3	0.49	3.5
I074994		5.54	<0.01	0.04	0.07	15	150	0.12	0.45	20.2	0.03	4.05	1.4	2	0.20	1.7
I074995		0.28	0.41	1.98	0.13	5920	50	0.10	70.9	15.65	2.19	16.40	2.1	7	0.38	18.2
I074996		2.00	0.02	0.03	0.27	45	250	0.15	2.27	18.85	0.03	6.11	1.6	5	0.64	1.8
I074997		5.74	<0.01	2.38	0.09	38	590	0.17	0.66	17.95	30.9	4.60	2.0	2	0.21	7.3
I074998		5.46	0.01	2.66	0.80	136	1710	0.39	1.12	17.15	26.8	9.47	2.9	6	1.83	6.5
I074999		4.12	<0.01	0.07	0.17	9	130	0.20	0.37	20.9	0.92	2.98	1.3	1	0.33	1.1
I075000		7.08	<0.01	0.23	0.11	100	30	0.23	2.06	19.30	0.65	2.82	1.3	4	0.34	3.2
I075001		6.32	<0.01	0.30	0.27	54	260	0.26	0.98	18.85	1.25	6.13	1.7	7	0.53	5.3
I075002		3.40	<0.01	0.63	0.29	496	180	0.33	3.03	18.70	7.64	5.09	2.2	7	0.39	75.1
I075003		6.80	<0.01	0.29	0.44	493	770	0.39	2.59	19.15	6.43	7.10	2.5	9	0.56	144.5
I075004		7.62	<0.01	0.05	0.24	28	350	0.23	0.31	18.80	0.84	5.15	1.4	9	0.22	27.4

Comments: **CORRECTED COPY FOR Au-AA26 ON SAMPLES I074969 TO I075004**

***** See Appendix Page for comments regarding this certificate *****

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I074969		0.54	1.26	0.12	0.1	0.016	0.29	5.7	4.9	11.65	558	0.17	0.02	3.5	1.5	100
I074970		1.00	3.83	0.08	0.3	0.007	0.97	8.1	11.0	11.15	405	0.19	0.02	11.3	6.2	370
I074971		21.3	3.00	0.35	0.3	0.009	0.72	3.2	5.4	6.00	243	0.13	0.01	4.4	7.6	190
I074972		0.34	1.03	0.17	0.2	0.024	0.25	6.0	4.7	11.60	330	0.09	0.01	2.7	1.4	130
I074973		0.41	0.38	0.27	<0.1	<0.005	0.02	0.6	1.0	12.35	185	0.05	<0.01	0.3	<0.2	200
I074974		0.58	0.55	0.21	<0.1	0.010	0.05	3.1	2.8	12.20	285	0.07	<0.01	0.7	0.8	100
I074975		0.46	0.32	0.22	<0.1	0.010	0.01	2.3	1.3	12.75	343	0.06	<0.01	0.2	0.9	40
I074976		2.38	0.26	<0.05	<0.1	0.023	0.01	2.9	1.3	11.90	693	0.05	<0.01	0.2	4.3	50
I074977		6.74	0.39	0.08	<0.1	0.104	0.01	2.6	1.7	9.54	1880	0.09	0.01	0.2	8.4	80
I074978		0.42	0.38	0.22	<0.1	<0.005	0.04	0.6	1.1	12.50	201	0.07	0.01	0.3	<0.2	190
I074979		1.37	0.21	<0.05	<0.1	0.016	0.01	2.0	2.0	12.10	420	<0.05	0.01	0.2	0.4	50
I074980		6.54	0.49	0.08	<0.1	0.102	0.01	2.6	3.9	8.32	1350	0.06	0.01	0.2	0.4	30
I074981		4.13	0.91	0.05	<0.1	0.178	0.05	3.1	3.1	10.25	2350	0.09	0.01	0.3	1.1	50
I074982		1.31	0.49	<0.05	<0.1	0.020	0.04	2.7	2.3	11.85	581	0.05	0.01	0.4	<0.2	60
I074983		1.74	0.43	<0.05	<0.1	0.014	0.04	2.8	2.0	11.80	440	0.08	<0.01	0.4	0.5	70
I074984		1.46	1.69	<0.05	0.2	0.015	0.16	4.1	5.6	11.80	593	0.19	0.01	1.8	2.2	90
I074985		0.96	1.38	<0.05	0.2	0.015	0.17	3.5	5.3	11.80	483	0.09	0.01	1.8	0.8	110
I074986		15.05	1.60	0.21	0.2	0.110	0.09	7.8	1.9	7.05	3180	4.70	0.01	1.6	8.1	200
I074987		1.20	0.47	<0.05	0.1	0.015	0.05	2.7	2.4	11.75	458	0.17	0.01	0.5	0.4	60
I074988		0.68	0.65	0.12	0.1	0.010	0.06	3.2	3.9	12.20	388	0.48	0.01	1.0	0.9	90
I074989		2.43	0.89	<0.05	0.1	0.027	0.08	2.9	3.4	10.55	726	0.91	0.01	0.9	1.7	70
I074990		1.30	1.74	<0.05	0.3	0.015	0.19	4.0	6.3	10.45	454	1.66	0.01	3.2	2.0	120
I074991		1.28	1.92	<0.05	0.3	0.014	0.21	4.2	7.0	10.40	461	1.62	0.01	3.3	2.2	120
I074992		2.94	1.52	<0.05	0.3	0.011	0.19	4.2	4.5	10.90	420	1.09	0.01	2.1	1.5	110
I074993		1.01	0.94	<0.05	0.1	0.010	0.10	4.7	3.4	12.15	387	1.14	0.02	1.2	<0.2	110
I074994		0.31	0.55	0.16	<0.1	0.007	0.04	3.5	2.2	12.55	287	0.67	0.01	0.5	<0.2	70
I074995		10.75	1.44	0.16	0.1	0.131	0.05	7.1	2.3	8.51	4600	2.45	0.01	1.3	3.9	140
I074996		1.31	1.20	<0.05	0.2	0.013	0.15	4.8	3.9	11.70	402	2.27	0.01	1.4	<0.2	110
I074997		1.67	0.60	<0.05	0.1	0.020	0.03	3.4	1.7	10.70	2520	1.80	0.01	0.6	<0.2	70
I074998		3.40	2.69	<0.05	0.4	0.028	0.33	6.2	1.9	9.74	3850	1.98	0.02	4.5	1.4	140
I074999		0.49	0.84	0.16	0.1	0.011	0.07	2.4	1.6	12.70	628	0.82	<0.01	1.2	2.7	70
I075000		0.56	0.58	0.06	0.1	0.007	0.03	1.6	4.1	12.15	256	0.34	0.02	0.5	<0.2	220
I075001		0.61	1.23	<0.05	0.2	0.005	0.06	3.6	4.8	11.70	337	1.22	0.03	1.2	2.5	1010
I075002		2.33	0.58	<0.05	0.1	0.008	0.07	2.7	4.1	11.80	277	1.69	0.02	0.7	4.1	230
I075003		2.80	1.02	<0.05	0.2	0.044	0.14	4.0	5.4	12.10	356	1.61	0.02	1.0	4.9	240
I075004		0.50	0.79	<0.05	0.1	0.028	0.08	3.1	4.6	11.80	374	0.41	0.02	0.6	<0.2	100

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	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I074969		19.3	21.7	<0.002	0.43	2.20	1.0	2	0.2	77.2	0.19	<0.05	0.6	0.043	0.18	0.1
I074970		4.1	143.0	<0.002	0.99	0.55	1.8	2	1.3	53.8	0.60	<0.05	2.4	0.111	1.02	0.3
I074971		4.7	137.0	<0.002	>10.0	2.61	1.0	19	0.5	27.0	0.24	3.35	1.2	0.058	0.88	0.5
I074972		2.4	26.2	<0.002	0.30	0.28	0.8	1	0.2	62.1	0.15	<0.05	0.5	0.027	0.25	0.1
I074973		1.5	1.1	<0.002	0.02	0.10	0.4	1	<0.2	44.9	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
I074974		2.6	2.6	<0.002	0.60	0.35	0.4	2	0.2	40.0	<0.05	<0.05	<0.2	0.009	0.04	0.1
I074975		1.4	1.1	<0.002	0.42	0.21	0.3	2	<0.2	47.1	<0.05	<0.05	<0.2	<0.005	<0.02	0.1
I074976		41.2	0.8	<0.002	2.77	0.72	0.3	2	<0.2	54.3	<0.05	0.05	<0.2	<0.005	0.03	0.1
I074977		2.9	0.5	0.002	7.63	1.47	0.4	3	<0.2	89.0	<0.05	0.05	<0.2	<0.005	0.04	0.1
I074978		1.4	1.8	<0.002	0.02	0.06	0.4	1	<0.2	45.7	<0.05	<0.05	<0.2	<0.005	<0.02	0.4
I074979		1.6	0.9	<0.002	1.47	0.25	0.3	3	<0.2	40.1	<0.05	<0.05	<0.2	<0.005	0.02	0.1
I074980		2.8	0.7	0.003	6.80	1.20	0.6	7	0.6	52.0	<0.05	0.05	<0.2	<0.005	0.05	0.1
I074981		3.1	3.1	0.004	2.78	0.58	0.7	3	0.3	94.4	<0.05	<0.05	<0.2	<0.005	0.08	0.1
I074982		1.4	2.2	<0.002	1.30	0.27	0.4	2	<0.2	54.5	<0.05	<0.05	<0.2	0.006	0.03	0.1
I074983		1.2	1.5	<0.002	1.95	0.29	0.4	3	<0.2	43.1	<0.05	<0.05	<0.2	0.007	0.03	0.1
I074984		1.1	6.7	<0.002	1.44	0.28	0.7	3	0.3	51.0	0.11	<0.05	0.3	0.021	0.07	0.2
I074985		1.4	8.1	<0.002	0.88	0.32	0.6	2	0.3	47.7	0.10	<0.05	0.4	0.020	0.09	0.3
I074986		8.5	15.0	0.003	>10.0	12.20	0.7	2	2.4	85.2	0.07	0.27	0.5	0.019	0.22	0.5
I074987		2.3	4.1	<0.002	1.29	0.47	0.4	2	0.2	41.7	<0.05	<0.05	0.2	0.008	0.04	0.1
I074988		1.8	3.5	<0.002	0.66	0.33	0.5	2	0.2	48.1	0.05	<0.05	0.3	0.014	0.04	0.2
I074989		2.2	3.4	<0.002	2.36	0.52	0.7	3	0.2	61.5	0.05	<0.05	0.2	0.012	0.07	0.2
I074990		2.5	8.7	<0.002	1.32	0.52	0.8	2	0.4	51.8	0.18	<0.05	0.7	0.036	0.14	0.5
I074991		2.9	10.0	<0.002	1.27	0.56	1.0	3	0.4	55.4	0.19	<0.05	0.8	0.039	0.17	0.5
I074992		2.1	8.9	<0.002	3.46	0.80	0.7	3	0.3	51.2	0.12	<0.05	0.4	0.026	0.14	0.4
I074993		12.4	7.0	<0.002	1.13	0.70	0.7	2	0.2	57.8	0.06	<0.05	0.3	0.014	0.10	0.3
I074994		2.3	2.2	<0.002	0.28	0.34	0.4	1	<0.2	46.1	<0.05	<0.05	<0.2	0.007	0.04	0.2
I074995		105.0	6.0	0.002	8.70	3.32	0.7	2	3.5	117.5	<0.05	0.12	0.8	0.008	0.08	0.4
I074996		1.6	8.2	<0.002	1.51	0.77	0.8	1	0.2	50.1	0.07	<0.05	0.5	0.016	0.15	0.4
I074997		1450	3.9	<0.002	1.24	11.90	0.6	3	0.4	68.2	<0.05	<0.05	0.2	0.007	0.13	0.2
I074998		535	48.1	<0.002	0.85	5.55	1.2	3	0.9	62.0	0.26	<0.05	1.4	0.041	0.56	1.0
I074999		33.4	7.8	<0.002	0.18	1.52	0.4	1	0.2	46.6	0.05	<0.05	0.2	0.014	0.10	0.2
I075000		8.7	5.0	<0.002	0.01	0.20	0.5	1	0.3	57.7	<0.05	<0.05	0.2	0.008	0.03	1.7
I075001		22.3	12.0	<0.002	0.01	0.43	1.0	1	0.7	64.6	0.06	0.06	0.5	0.024	0.07	6.4
I075002		172.0	9.1	<0.002	0.01	1.75	1.5	2	0.5	78.4	<0.05	<0.05	0.2	0.017	0.11	4.3
I075003		59.9	12.7	<0.002	0.02	1.06	1.8	2	0.4	85.7	0.06	0.06	0.3	0.026	0.12	4.1
I075004		11.9	5.3	<0.002	0.04	0.26	0.9	2	0.3	73.3	<0.05	<0.05	0.2	0.014	0.07	2.5

Comments: **CORRECTED COPY FOR Au-AA26 ON SAMPLES I074969 TO I075004**

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 5-JUL-2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10083887

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	As-OG62
	Analyte	V	W	Y	Zn	Zr	As
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
I074969		9	0.3	5.5	49	5.6	
I074970		17	0.5	8.6	18	10.7	
I074971		14	0.5	3.3	14	12.9	
I074972		11	0.3	6.9	32	5.9	
I074973		3	0.1	0.9	13	<0.5	
I074974		7	0.3	3.4	5	1.9	
I074975		8	0.3	2.2	5	0.8	
I074976		5	1.4	2.8	147	1.1	
I074977		7	95.7	5.5	11	1.3	
I074978		3	0.4	0.9	13	<0.5	
I074979		4	0.5	2.5	5	0.6	
I074980		8	212	4.9	10	0.6	
I074981		15	230	7.9	17	1.2	
I074982		8	0.6	3.2	5	1.9	
I074983		7	45.3	3.1	3	1.9	
I074984		8	0.7	3.3	4	7.1	
I074985		8	0.7	3.8	4	6.8	
I074986		7	61.1	7.0	57	6.3	2.75
I074987		6	2.7	3.3	7	2.3	
I074988		7	0.8	3.7	6	4.2	
I074989		10	0.8	3.5	7	4.4	
I074990		10	1.3	4.3	7	11.5	
I074991		10	1.3	4.3	7	12.5	
I074992		10	8.4	4.8	5	9.4	
I074993		6	1.1	4.3	170	5.5	
I074994		4	0.8	3.9	6	2.2	
I074995		7	133.0	6.8	422	3.7	
I074996		8	1.1	5.3	7	8.6	
I074997		5	1.1	3.7	9260	2.5	
I074998		8	5.3	5.7	7340	14.3	
I074999		7	1.1	3.1	265	4.0	
I075000		11	1.4	1.7	95	2.5	
I075001		21	2.9	3.1	134	7.0	
I075002		18	8.3	3.6	837	5.6	
I075003		29	3.4	4.0	641	7.7	
I075004		15	1.2	1.4	86	4.8	

Comments: **CORRECTED COPY FOR Au-AA26 ON SAMPLES I074969 TO I075004**

***** See Appendix Page for comments regarding this certificate *****

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 5-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10083887

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 8-JUL-2010
Account: RCM

CERTIFICATE VA10083888

Project: RAU(Grey Copper Hill)

P.O. No.: GCH

This report is for 163 Soil samples submitted to our lab in Vancouver, BC, Canada on 23-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-31	Pulverize split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
SCR-43	Screen to -500um, discard plus
SCR-01	Screen - Save plus fraction

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU(Grey Copper Hill)

Finalized Date: 8-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10083888

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC77838		0.22	0.002	<0.2	2.36	7	<10	320	0.8	<2	0.32	<0.5	13	32	19	3.47
CC77839		0.24	0.002	<0.2	2.07	4	<10	220	0.6	<2	0.73	<0.5	13	31	21	3.92
CC77840		0.32	0.001	<0.2	2.34	6	<10	180	0.6	<2	0.49	<0.5	13	23	15	4.21
CC77841		0.24	0.002	0.2	2.06	8	<10	460	0.8	<2	0.65	<0.5	11	32	37	3.35
CC77842		0.32	0.003	<0.2	2.24	13	<10	360	0.8	<2	0.67	<0.5	15	36	32	3.94
CC77843		0.24	0.003	<0.2	1.91	13	<10	210	0.7	<2	1.81	<0.5	12	34	21	3.44
CC77844		0.32	0.006	<0.2	2.02	13	<10	220	0.8	<2	5.44	1.4	10	32	20	3.03
CC77845		0.20	<0.001	<0.2	2.07	15	<10	210	0.7	<2	1.16	<0.5	10	33	15	3.03
CC77846		0.24	<0.001	<0.2	2.10	13	<10	180	0.8	<2	1.11	<0.5	10	33	15	2.94
CC77847		0.22	0.001	<0.2	1.77	11	<10	170	0.7	<2	2.96	0.5	10	28	19	2.76
CC77848		0.22	<0.001	<0.2	2.27	9	<10	210	0.8	<2	1.29	0.6	11	36	15	3.35
CC77849		0.14	0.001	<0.2	1.33	12	<10	150	0.5	2	6.60	1.3	8	22	17	2.02
CC77850		0.24	0.001	<0.2	1.85	13	<10	330	0.7	<2	1.37	<0.5	10	31	19	3.08
CC77851		0.20	0.001	0.3	1.32	19	<10	150	0.6	<2	0.21	<0.5	12	24	25	3.13
CC77852		0.26	<0.001	0.4	1.11	20	<10	140	0.7	<2	0.32	<0.5	14	19	34	3.17
CC77853		0.22	0.003	0.2	1.12	17	<10	120	0.6	<2	0.21	<0.5	13	20	31	3.19
CC77854		0.18	0.003	0.6	1.16	20	<10	140	0.7	<2	0.51	1.0	13	20	38	3.42
CC77855		0.28	0.002	0.2	0.81	20	<10	140	0.5	<2	0.24	0.5	13	18	35	3.39
CC77856		0.14	0.002	1.0	1.10	45	<10	200	0.8	<2	0.86	0.8	22	21	39	4.33
CC77857		0.22	0.002	1.0	1.22	29	<10	760	0.8	<2	1.32	1.3	17	23	36	4.65
CC77858		0.14	0.049	0.4	1.39	25	<10	300	0.7	<2	2.21	2.1	11	23	17	6.26
CC77859		0.14	0.002	0.4	1.40	30	<10	360	0.7	<2	1.09	1.1	14	28	30	4.16
CC77860		0.12	<0.001	0.4	1.69	25	<10	360	0.7	<2	1.24	1.1	13	30	18	3.27
CC77861		0.22	0.002	0.3	1.38	23	<10	290	0.5	<2	3.72	0.5	11	27	27	2.83
CC77862		0.16	0.001	0.5	1.28	22	<10	330	0.5	<2	6.35	0.9	10	25	26	2.50
CC77863		0.10	0.008	1.4	0.96	45	<10	230	0.7	2	2.46	0.9	20	18	48	3.71
CC77864		0.12	0.002	0.4	1.21	23	<10	300	0.5	<2	5.04	1.7	10	27	28	2.70
CC77865		0.16	<0.001	0.3	1.04	17	<10	260	<0.5	<2	8.0	1.5	9	23	16	2.27
CC77866		0.14	0.001	0.4	1.57	21	<10	320	0.6	<2	4.05	1.9	10	33	22	2.89
CC77867		0.18	0.003	0.6	1.58	26	<10	320	0.6	<2	3.71	0.9	13	32	26	3.26
CC77868		0.22	0.002	0.7	1.56	23	<10	410	0.6	<2	2.28	3.5	13	34	31	3.52
CC77869		0.16	0.002	0.5	1.48	27	<10	750	0.7	<2	4.09	1.3	10	25	25	2.89
CC77870		0.14	0.008	0.5	1.48	24	<10	510	0.7	<2	1.74	2.7	11	30	27	2.78
CC77871		0.12	0.002	0.3	1.60	44	<10	300	0.7	<2	1.46	2.5	16	35	32	3.53
CC77872		0.16	0.002	0.4	1.47	24	<10	390	0.5	<2	2.65	1.4	11	30	25	2.65
CC77873		0.16	0.003	0.5	1.57	37	<10	460	0.7	<2	1.38	1.8	12	35	41	3.17
CC77874		0.12	0.001	0.4	1.42	21	<10	370	0.5	<2	3.57	1.7	9	28	27	2.62
CC77875		0.14	0.002	0.5	1.51	19	<10	590	0.6	<2	1.88	2.1	10	31	27	2.71
CC77876		0.14	0.001	0.8	1.81	26	<10	620	0.7	<2	2.37	1.3	12	41	42	3.17
CC77877		0.14	0.003	0.9	1.57	26	<10	480	0.6	<2	4.10	2.5	12	37	52	3.10

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 8-JUL-2010
Account: RCM

Project: RAU(Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10083888

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC77838		10	1	0.12	20	0.87	1155	<1	0.03	21	1020	14	0.07	<2	1	22
CC77839		<10	<1	0.18	20	1.24	633	<1	0.03	24	1590	11	0.05	<2	3	34
CC77840		10	<1	0.12	10	1.47	727	<1	0.03	19	890	7	0.04	<2	3	23
CC77841		10	<1	0.13	30	0.88	763	<1	0.03	23	1640	13	0.05	<2	3	30
CC77842		10	1	0.14	20	0.98	783	<1	0.03	33	1510	12	0.04	<2	4	30
CC77843		10	1	0.10	20	1.06	610	<1	0.03	32	720	23	0.04	<2	4	29
CC77844		<10	1	0.13	20	1.32	832	1	0.03	27	850	71	0.07	<2	3	51
CC77845		10	<1	0.09	20	0.65	587	<1	0.03	26	710	16	0.06	<2	3	20
CC77846		10	<1	0.09	20	0.67	486	<1	0.03	32	550	14	0.06	<2	4	18
CC77847		10	<1	0.10	20	1.09	577	<1	0.03	27	640	12	0.06	<2	3	30
CC77848		10	1	0.11	20	0.78	754	<1	0.03	28	500	18	0.05	<2	4	21
CC77849		<10	1	0.08	10	2.60	612	<1	0.03	20	1000	35	0.08	<2	1	38
CC77850		10	<1	0.09	20	0.79	696	<1	0.03	27	710	19	0.06	<2	3	22
CC77851		<10	<1	0.10	20	0.34	726	2	0.02	27	520	22	0.02	2	3	15
CC77852		<10	<1	0.14	20	0.30	1065	2	0.02	28	680	34	0.03	<2	3	22
CC77853		<10	<1	0.12	20	0.28	868	2	0.02	26	800	29	0.03	2	3	22
CC77854		<10	1	0.15	20	0.32	1695	2	0.03	35	1080	60	0.05	<2	3	34
CC77855		<10	<1	0.15	20	0.20	1420	1	0.02	25	820	33	0.04	2	2	23
CC77856		<10	<1	0.15	10	0.36	1815	2	0.02	49	1400	86	0.09	2	3	41
CC77857		<10	<1	0.11	20	0.51	3330	7	0.03	48	1580	72	0.09	3	3	39
CC77858		<10	<1	0.10	10	0.86	5530	5	0.03	27	1550	56	0.12	<2	3	41
CC77859		<10	<1	0.11	10	0.53	2390	6	0.03	39	1330	75	0.09	<2	4	29
CC77860		<10	1	0.11	10	0.58	1315	6	0.03	26	1300	48	0.11	<2	3	24
CC77861		10	<1	0.10	20	2.46	684	4	0.04	32	860	34	0.05	<2	3	40
CC77862		<10	<1	0.11	10	4.31	660	10	0.04	31	760	31	0.05	<2	3	48
CC77863		<10	<1	0.14	10	1.03	1520	3	0.03	47	1300	78	0.13	3	3	38
CC77864		<10	<1	0.11	10	3.33	701	10	0.03	33	1110	34	0.08	2	2	39
CC77865		<10	<1	0.08	10	4.91	795	7	0.04	25	890	24	0.06	<2	2	49
CC77866		<10	<1	0.11	20	2.46	947	7	0.04	32	1240	31	0.08	<2	3	41
CC77867		<10	<1	0.09	20	2.56	704	10	0.03	37	1000	34	0.06	<2	3	32
CC77868		<10	<1	0.10	20	1.53	788	13	0.03	39	1120	37	0.07	2	3	32
CC77869		<10	<1	0.08	10	2.51	1120	8	0.04	35	1340	67	0.11	<2	2	38
CC77870		<10	<1	0.08	10	0.66	999	6	0.03	29	1150	41	0.11	<2	2	29
CC77871		<10	<1	0.12	10	0.85	1170	12	0.03	43	870	60	0.08	2	3	27
CC77872		<10	<1	0.08	10	1.52	625	5	0.03	30	780	26	0.08	<2	2	28
CC77873		<10	<1	0.11	10	0.86	851	10	0.03	43	970	43	0.09	2	3	26
CC77874		<10	<1	0.10	10	2.11	768	6	0.04	33	990	36	0.07	<2	2	32
CC77875		<10	<1	0.11	10	0.95	780	8	0.04	34	1010	31	0.07	<2	3	27
CC77876		10	<1	0.14	10	1.60	770	9	0.04	46	1000	37	0.06	<2	3	32
CC77877		10	1	0.13	10	2.60	699	13	0.04	50	1160	32	0.05	2	3	44

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To: **ATAC RESOURCES LTD.**
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Project: RAU(Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10083888

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC77838		<20	0.09	<10	<10	72	<10	88
CC77839		<20	0.21	<10	<10	60	<10	94
CC77840		<20	0.30	<10	<10	67	<10	89
CC77841		<20	0.09	<10	<10	58	<10	83
CC77842		<20	0.10	<10	<10	59	<10	97
CC77843		<20	0.05	<10	<10	54	<10	92
CC77844		<20	0.03	<10	<10	48	<10	198
CC77845		<20	0.04	<10	<10	56	<10	106
CC77846		<20	0.04	<10	<10	73	<10	106
CC77847		<20	0.04	<10	<10	48	<10	86
CC77848		<20	0.04	<10	<10	63	<10	116
CC77849		<20	0.02	<10	<10	40	<10	194
CC77850		<20	0.04	<10	<10	56	<10	80
CC77851		<20	0.03	<10	<10	42	<10	98
CC77852		<20	0.02	<10	<10	33	<10	135
CC77853		<20	0.02	<10	<10	34	<10	134
CC77854		<20	0.02	<10	<10	36	<10	182
CC77855		<20	0.03	<10	<10	38	<10	188
CC77856		<20	0.02	<10	<10	38	<10	336
CC77857		<20	0.02	<10	<10	57	<10	295
CC77858		<20	0.03	<10	<10	49	<10	402
CC77859		<20	0.03	<10	<10	56	<10	250
CC77860		<20	0.03	<10	<10	63	<10	185
CC77861		<20	0.04	<10	<10	52	<10	145
CC77862		<20	0.05	<10	<10	60	<10	172
CC77863		<20	0.01	<10	<10	35	<10	293
CC77864		<20	0.05	<10	<10	67	<10	266
CC77865		<20	0.05	<10	<10	43	<10	178
CC77866		<20	0.04	<10	<10	66	<10	222
CC77867		<20	0.06	<10	<10	80	<10	217
CC77868		<20	0.08	<10	<10	89	<10	345
CC77869		<20	0.02	<10	<10	55	<10	361
CC77870		<20	0.04	<10	<10	74	<10	232
CC77871		<20	0.04	<10	<10	89	<10	407
CC77872		<20	0.04	<10	<10	80	<10	216
CC77873		<20	0.04	<10	<10	102	<10	284
CC77874		<20	0.04	<10	<10	68	<10	232
CC77875		<20	0.05	<10	<10	106	<10	289
CC77876		<20	0.06	<10	<10	138	<10	304
CC77877		<20	0.08	<10	<10	132	<10	360

***** See Appendix Page for comments regarding this certificate *****

ALS Chemex
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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU(Grey Copper Hill)

Finalized Date: 8-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10083888

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC77878		0.20	0.001	0.5	1.13	19	<10	480	0.5	<2	8.7	1.9	9	26	28	2.44
CC77879		0.16	0.004	0.8	1.24	16	<10	890	0.5	<2	2.52	1.5	12	26	30	2.41
CC77880		0.14	0.002	0.9	1.14	23	<10	290	0.5	<2	7.4	2.5	9	23	27	2.19
CC77881		0.12	0.007	1.2	1.56	22	<10	470	0.8	<2	2.90	3.4	10	35	69	2.54
CC77882		0.14	0.004	0.4	2.37	49	<10	480	1.1	<2	0.92	4.8	16	62	92	3.68
CC77883		0.14	<0.001	1.0	1.76	16	<10	360	0.8	<2	2.21	2.3	10	41	49	2.62
CC77884		0.26	0.002	1.5	2.06	24	<10	210	0.9	<2	1.40	4.0	14	51	71	3.51
CC77885		0.14	NSS	1.5	1.41	18	<10	200	0.8	<2	3.51	3.8	8	34	65	1.80
CC77886		0.16	0.002	1.0	1.53	13	<10	210	0.7	<2	1.91	2.9	11	54	74	2.12
CC77887		0.10	<0.001	0.6	1.18	12	<10	170	0.5	<2	2.58	1.6	8	35	37	1.99
CC77888		0.08	<0.001	0.2	1.69	5	<10	190	0.6	<2	2.51	<0.5	14	107	46	3.03
CC77889		0.14	0.010	<0.2	2.79	6	<10	220	0.7	2	1.99	<0.5	20	107	43	4.79
CC77890		0.10	<0.001	<0.2	3.25	2	<10	50	0.8	<2	1.12	<0.5	23	75	9	6.57
CC77891		0.24	0.004	<0.2	1.94	11	<10	440	0.8	<2	1.54	0.7	10	34	15	3.19
CC77892		0.26	0.003	<0.2	1.13	10	<10	130	<0.5	<2	9.8	<0.5	6	17	10	1.69
CC77893		0.20	0.004	<0.2	1.48	12	<10	170	0.5	<2	6.18	0.8	8	25	20	2.52
CC77894		0.22	0.001	0.2	1.83	13	<10	220	0.7	<2	3.18	0.8	12	33	23	3.40
CC77895		0.30	0.011	<0.2	2.11	7	<10	360	0.7	<2	0.79	<0.5	14	31	23	3.97
CC77896		0.24	0.001	<0.2	2.12	10	<10	390	0.8	<2	1.09	<0.5	12	30	26	3.26
CC77897		0.32	0.001	<0.2	2.14	11	<10	270	0.8	<2	2.37	<0.5	13	24	22	3.42
CC77898		0.22	<0.001	<0.2	3.02	4	<10	220	0.7	<2	1.05	<0.5	21	106	30	4.88
CC77899		0.20	0.002	<0.2	2.57	10	<10	260	0.7	<2	0.62	<0.5	14	47	26	4.00
CC77900		0.30	0.003	<0.2	2.10	10	<10	180	0.7	<2	1.02	<0.5	22	38	39	3.96
CC77901		0.18	0.005	<0.2	3.26	3	<10	110	0.9	<2	1.53	<0.5	23	95	37	5.05
CC77902		0.20	0.002	<0.2	3.04	6	<10	140	0.7	<2	0.90	<0.5	21	91	23	5.18
CC77903		0.30	0.002	<0.2	3.53	5	<10	120	0.9	<2	0.94	<0.5	23	63	26	6.24
CC77904		0.16	<0.001	<0.2	2.92	9	<10	120	0.8	<2	0.68	<0.5	20	53	19	5.37
CC77905		0.18	<0.001	0.2	2.53	7	<10	140	0.9	<2	1.29	0.6	18	51	36	4.65
CC77906		0.18	0.001	0.4	2.51	12	<10	180	0.9	<2	1.32	1.3	16	49	44	4.33
CC77907		0.26	0.001	0.2	3.88	7	<10	170	1.2	<2	1.14	0.5	24	93	33	6.59
CC77908		0.22	0.003	0.8	1.93	14	<10	270	0.8	<2	1.45	2.7	13	34	47	3.32
CC77909		0.22	0.002	0.6	2.27	16	<10	250	0.9	<2	0.90	2.7	15	43	48	3.92
CC77910		0.26	<0.001	0.8	2.01	23	<10	240	0.9	<2	2.62	3.4	14	40	50	3.83
CC77911		0.22	0.010	0.5	1.90	19	<10	210	0.8	<2	1.27	2.1	11	34	37	3.53
CC77912		0.26	0.002	1.0	1.61	24	<10	570	0.9	<2	2.48	2.4	10	32	54	3.16
CC77913		0.20	0.002	0.8	1.55	17	<10	260	0.7	<2	1.43	2.6	13	33	43	3.20
CC77914		0.28	0.003	0.6	0.99	16	<10	340	0.5	<2	5.43	3.0	8	21	35	2.61
CC77915		0.22	0.002	0.4	1.01	19	<10	610	0.5	<2	7.6	1.5	7	17	25	2.08
CC77916		0.22	0.003	<0.2	0.61	12	<10	130	<0.5	<2	12.5	0.6	4	17	14	1.43
CC77917		0.22	0.003	0.2	1.50	15	<10	410	0.6	<2	2.46	<0.5	8	25	20	2.64

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Finalized Date: 8-JUL-2010
Account: RCM

Project: RAU(Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10083888

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC77878		<10	<1	0.11	10	5.25	868	18	0.04	40	1000	31	0.03	2	2	60
CC77879		<10	1	0.10	10	0.76	728	9	0.04	35	1080	46	0.10	<2	2	34
CC77880		<10	1	0.11	10	4.46	777	10	0.04	42	1130	36	0.04	3	2	48
CC77881		<10	1	0.17	20	1.38	489	15	0.03	56	1100	25	0.06	5	2	53
CC77882		10	1	0.31	20	1.67	453	29	0.03	87	650	47	0.03	8	5	27
CC77883		10	<1	0.21	10	1.12	423	14	0.03	52	1110	22	0.07	3	3	55
CC77884		10	<1	0.20	20	1.50	520	23	0.03	70	1290	16	0.02	4	4	41
CC77885		<10	1	0.28	20	1.60	264	16	0.03	64	840	10	0.07	3	2	67
CC77886		<10	<1	0.19	20	0.92	472	9	0.03	92	1100	8	0.08	2	3	50
CC77887		<10	1	0.15	10	0.80	536	13	0.03	50	830	7	0.09	<2	2	61
CC77888		10	1	0.08	20	1.21	655	1	0.04	40	1290	9	0.13	<2	4	75
CC77889		10	<1	0.08	10	2.39	700	<1	0.03	49	1430	4	0.09	<2	5	65
CC77890		10	1	0.12	20	2.74	938	<1	0.04	25	1610	3	0.02	<2	5	38
CC77891		10	<1	0.08	20	0.81	521	<1	0.03	28	470	32	0.02	<2	4	19
CC77892		<10	<1	0.06	10	5.86	396	<1	0.03	17	600	9	0.03	<2	1	30
CC77893		<10	<1	0.09	10	3.80	754	<1	0.03	26	800	40	0.03	<2	2	35
CC77894		10	<1	0.12	20	1.63	917	<1	0.03	32	1030	31	0.03	<2	3	30
CC77895		<10	<1	0.12	30	1.25	736	<1	0.03	27	1610	9	<0.01	<2	3	32
CC77896		10	<1	0.11	20	0.95	752	<1	0.03	23	1180	13	0.03	<2	3	34
CC77897		<10	<1	0.11	20	2.11	727	<1	0.03	22	1280	14	0.02	<2	3	36
CC77898		10	<1	0.16	20	2.60	924	<1	0.04	46	1350	7	0.02	<2	5	37
CC77899		10	<1	0.11	10	1.28	667	<1	0.03	29	810	18	0.02	<2	4	25
CC77900		10	<1	0.07	20	1.27	836	<1	0.03	30	1090	53	0.02	<2	4	31
CC77901		10	1	0.07	20	2.81	937	<1	0.03	51	1440	7	0.05	<2	6	37
CC77902		10	<1	0.12	10	2.81	767	<1	0.04	40	1260	13	0.01	<2	6	41
CC77903		10	1	0.11	20	3.07	893	<1	0.03	34	1870	15	<0.01	<2	6	57
CC77904		10	1	0.11	20	2.17	833	<1	0.03	29	1220	13	0.02	<2	5	36
CC77905		10	1	0.14	30	1.90	861	5	0.03	59	1960	11	0.04	<2	5	64
CC77906		10	<1	0.16	20	1.75	873	10	0.03	57	1570	21	0.03	<2	5	67
CC77907		10	1	0.21	20	3.63	903	2	0.03	47	2290	13	0.02	<2	8	102
CC77908		10	<1	0.16	20	1.14	710	13	0.03	56	1350	17	0.04	<2	4	52
CC77909		10	<1	0.17	20	1.45	611	14	0.03	61	1270	17	0.01	<2	5	39
CC77910		10	<1	0.15	20	2.28	849	19	0.02	55	1500	44	0.04	7	4	44
CC77911		10	<1	0.13	20	1.37	722	12	0.02	44	1000	34	0.03	5	4	31
CC77912		10	1	0.14	20	1.90	491	27	0.03	62	1420	46	0.02	8	4	44
CC77913		10	1	0.12	20	1.11	653	15	0.02	47	1290	27	0.05	4	3	37
CC77914		<10	<1	0.13	10	3.42	841	17	0.02	38	1220	34	0.06	4	2	51
CC77915		<10	1	0.08	10	4.29	1025	8	0.03	28	1140	36	0.08	2	1	41
CC77916		<10	<1	0.04	10	7.79	648	3	0.02	14	470	39	0.02	<2	1	54
CC77917		10	<1	0.06	10	1.44	869	2	0.03	23	920	27	0.05	<2	2	27

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 8-JUL-2010
Account: RCM

Project: RAU(Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10083888

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC77878		<20	0.07	<10	<10	97	<10	279
CC77879		<20	0.03	<10	<10	83	<10	301
CC77880		<20	0.03	<10	<10	79	<10	407
CC77881		<20	0.05	<10	<10	192	<10	398
CC77882		<20	0.10	<10	<10	354	<10	696
CC77883		<20	0.08	<10	<10	252	<10	395
CC77884		<20	0.17	<10	<10	229	<10	515
CC77885		<20	0.05	<10	<10	244	<10	466
CC77886		<20	0.04	<10	<10	274	<10	511
CC77887		<20	0.08	<10	<10	170	<10	286
CC77888		<20	0.10	<10	<10	88	<10	78
CC77889		<20	0.24	<10	<10	113	<10	84
CC77890		<20	0.52	<10	<10	99	<10	76
CC77891		<20	0.05	<10	<10	61	<10	146
CC77892		<20	0.02	<10	<10	31	<10	80
CC77893		<20	0.04	<10	<10	44	<10	180
CC77894		<20	0.04	<10	<10	51	<10	171
CC77895		<20	0.19	<10	<10	51	<10	99
CC77896		<20	0.06	<10	<10	53	<10	78
CC77897		<20	0.08	<10	<10	46	<10	87
CC77898		<20	0.43	<10	<10	96	<10	80
CC77899		<20	0.17	<10	<10	84	<10	85
CC77900		<20	0.17	<10	<10	71	<10	101
CC77901		<20	0.25	<10	<10	119	<10	86
CC77902		<20	0.44	<10	<10	113	<10	91
CC77903		<20	0.42	<10	<10	128	<10	113
CC77904		<20	0.25	<10	<10	105	<10	83
CC77905		<20	0.25	<10	<10	130	<10	255
CC77906		<20	0.22	<10	<10	186	<10	325
CC77907		<20	0.40	<10	<10	157	<10	167
CC77908		<20	0.11	<10	<10	176	<10	397
CC77909		<20	0.18	<10	<10	200	<10	441
CC77910		<20	0.14	<10	<10	179	<10	423
CC77911		<20	0.12	<10	<10	135	<10	318
CC77912		<20	0.12	<10	<10	261	<10	463
CC77913		<20	0.09	<10	<10	128	<10	316
CC77914		<20	0.06	<10	<10	103	<10	356
CC77915		<20	0.02	<10	<10	82	<10	253
CC77916		<20	0.02	<10	<10	28	<10	116
CC77917		<20	0.03	<10	<10	57	<10	122

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CERTIFICATE OF ANALYSIS VA10083888

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC77918		0.28	0.003	<0.2	1.12	16	<10	160	<0.5	<2	6.03	<0.5	7	19	17	2.23
CC77919		0.18	0.002	<0.2	1.28	15	<10	220	0.5	<2	5.72	0.7	8	24	12	2.54
CC77920		0.24	0.004	0.2	1.38	22	<10	170	0.5	<2	5.88	0.5	9	23	22	2.58
CC77921		0.24	0.003	0.2	1.26	24	<10	160	0.6	<2	5.75	0.5	11	23	21	2.74
CC77922		0.10	0.001	0.2	1.57	27	<10	230	0.7	<2	0.98	1.3	25	30	19	4.05
CC77923		0.30	0.004	<0.2	1.21	18	<10	220	0.5	<2	5.86	0.6	9	22	19	2.60
CC77924		0.24	0.002	0.3	1.19	21	<10	540	0.5	<2	5.25	0.6	9	23	18	2.70
CC77925		0.24	0.002	0.2	1.39	23	<10	230	0.7	<2	0.95	1.2	16	33	23	4.39
CC77926		0.22	0.001	0.3	1.02	20	<10	150	0.5	<2	3.57	0.5	10	23	18	2.83
CC77927		0.28	0.004	0.2	1.38	14	<10	220	0.6	<2	0.95	<0.5	12	30	24	3.45
CC77928		0.28	0.004	0.2	1.25	16	<10	230	0.5	<2	1.48	<0.5	11	33	24	3.16
CC77929		0.18	0.004	<0.2	1.61	10	<10	270	0.6	<2	1.00	<0.5	13	28	16	3.29
CC77930		0.24	0.002	0.2	1.27	10	<10	240	<0.5	<2	1.62	<0.5	9	24	15	2.74
CC77931		0.18	<0.001	1.1	1.59	12	<10	190	0.8	<2	4.94	3.0	10	60	79	2.38
CC77932		0.20	0.002	0.6	1.84	11	<10	200	0.7	<2	1.91	1.7	18	84	50	3.21
CC77933		0.22	0.001	<0.2	1.81	10	<10	180	0.5	<2	0.66	<0.5	17	70	19	4.03
CC77934		0.18	<0.001	0.2	0.91	4	<10	170	<0.5	<2	0.61	1.3	9	42	18	2.38
CC77935		0.24	<0.001	<0.2	4.09	4	<10	80	0.9	<2	1.20	<0.5	29	58	20	7.77
CC77936		0.26	<0.001	<0.2	2.59	10	<10	150	0.8	<2	0.50	<0.5	21	57	45	4.69
CC77937		0.26	0.001	<0.2	2.97	7	<10	220	1.0	<2	1.04	<0.5	21	47	25	5.43
CC77938		0.16	<0.001	<0.2	1.10	4	<10	410	<0.5	<2	0.97	4.2	15	15	24	2.55
CC77939		0.34	0.001	<0.2	2.10	11	<10	330	0.7	<2	0.60	0.5	12	32	16	3.37
CC77940		0.22	0.001	<0.2	2.08	6	<10	270	1.2	<2	0.54	1.3	18	37	27	3.86
CC77941		0.22	0.003	0.2	1.96	4	<10	370	1.3	<2	0.75	2.5	15	27	30	3.46
CC77942		0.20	0.003	0.4	1.85	4	<10	470	1.0	<2	1.05	1.9	18	25	36	3.20
CC77943		0.28	<0.001	<0.2	1.82	9	<10	250	0.5	<2	0.56	0.9	14	30	14	3.32
CC77944		0.32	<0.001	<0.2	2.50	10	<10	240	0.8	<2	0.82	<0.5	16	34	15	4.31
CC77945		0.34	0.001	<0.2	2.07	8	<10	200	0.7	<2	0.39	<0.5	12	31	13	3.64
CC77946		0.20	0.002	<0.2	1.63	9	<10	210	<0.5	<2	0.35	1.2	9	30	16	3.52
CC77947		0.32	0.001	<0.2	3.03	11	<10	200	0.7	<2	0.64	0.6	18	38	17	5.34
CC77948		0.32	0.001	0.2	2.30	12	<10	280	0.8	<2	0.38	0.5	13	35	17	3.69
CC77949		0.42	0.001	0.2	2.41	10	<10	260	0.8	<2	0.62	<0.5	12	32	18	3.90
CC77950		0.38	0.002	0.2	1.96	10	<10	200	0.7	<2	0.56	<0.5	10	30	14	3.18
CC77951		0.22	0.001	<0.2	2.31	8	<10	150	0.7	<2	0.27	<0.5	9	29	16	4.11
CC77952		0.20	0.002	0.4	2.43	6	<10	110	1.1	<2	1.07	0.9	19	22	26	4.44
CC77953		0.12	0.003	0.2	0.95	6	<10	130	<0.5	<2	0.92	2.4	17	29	16	2.38
CC77954		0.26	0.001	0.3	2.79	10	<10	280	1.1	<2	1.00	<0.5	31	66	51	5.67
CC77955		0.22	0.002	1.2	2.67	4	<10	220	0.9	<2	1.44	1.6	31	80	77	6.27
CC77956		0.34	0.002	0.7	2.93	19	<10	220	1.0	<2	1.22	1.7	24	83	70	5.67
CC77957		0.36	0.002	0.7	3.13	9	<10	140	1.2	<2	1.13	2.6	34	112	62	6.79

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 8-JUL-2010
Account: RCM

Project: RAU(Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10083888

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC77918		<10	<1	0.06	10	3.90	639	3	0.03	19	520	25	0.02	2	3	43
CC77919		<10	<1	0.08	10	3.81	1285	2	0.03	21	560	27	0.03	2	3	29
CC77920		<10	<1	0.08	10	4.05	778	3	0.02	24	550	47	0.03	2	3	35
CC77921		<10	<1	0.09	10	3.86	1120	2	0.02	26	660	72	0.04	2	3	50
CC77922		10	<1	0.11	10	0.54	2730	3	0.02	33	1010	77	0.08	3	3	21
CC77923		<10	<1	0.07	10	3.87	963	2	0.02	20	650	43	0.04	2	2	38
CC77924		<10	<1	0.09	10	3.42	992	2	0.02	21	580	61	0.04	2	3	37
CC77925		<10	<1	0.12	20	0.77	2360	3	0.02	33	810	60	0.04	3	4	20
CC77926		<10	<1	0.08	10	2.18	1275	2	0.02	22	690	48	0.04	3	3	34
CC77927		<10	<1	0.09	20	0.70	1375	1	0.02	27	950	42	0.05	<2	3	19
CC77928		<10	<1	0.09	20	1.14	1015	1	0.03	29	440	37	0.03	2	4	22
CC77929		10	1	0.10	10	0.57	1330	1	0.02	18	1010	37	0.08	<2	3	26
CC77930		<10	1	0.09	10	0.55	871	<1	0.02	16	860	26	0.08	<2	2	43
CC77931		10	1	0.17	10	1.13	407	13	0.02	89	1130	9	0.11	5	3	130
CC77932		10	1	0.12	20	1.03	888	11	0.02	72	1620	9	0.08	<2	4	49
CC77933		10	<1	0.10	10	0.85	696	3	0.02	22	720	12	0.06	2	3	27
CC77934		<10	<1	0.10	10	0.37	847	2	0.02	15	1360	8	0.16	<2	1	23
CC77935		20	1	0.07	10	3.06	1245	<1	0.02	29	1100	6	0.04	<2	7	26
CC77936		10	1	0.09	10	1.19	799	<1	0.02	37	870	10	0.02	<2	3	24
CC77937		10	<1	0.18	20	1.79	1015	<1	0.03	24	1150	12	0.04	<2	5	33
CC77938		10	<1	0.11	10	0.36	3060	1	0.02	12	1220	11	0.10	<2	1	38
CC77939		10	<1	0.07	10	0.67	679	<1	0.02	19	560	18	0.03	<2	3	19
CC77940		10	<1	0.09	20	0.91	1210	<1	0.02	23	1110	13	0.07	<2	1	22
CC77941		10	<1	0.09	30	0.79	1710	<1	0.02	20	1850	23	0.10	2	1	30
CC77942		10	<1	0.07	20	0.70	2030	<1	0.02	19	1420	12	0.10	<2	2	40
CC77943		10	<1	0.08	10	0.86	579	<1	0.02	17	730	13	0.03	<2	4	21
CC77944		10	<1	0.10	20	1.38	723	<1	0.02	21	1240	14	0.03	<2	5	28
CC77945		10	<1	0.06	10	0.82	677	<1	0.01	18	680	16	0.03	<2	2	16
CC77946		10	<1	0.08	10	0.56	478	<1	0.03	12	760	13	0.03	<2	3	18
CC77947		10	1	0.08	10	1.67	875	<1	0.02	16	1120	14	0.02	<2	4	26
CC77948		10	<1	0.07	20	0.88	632	<1	0.03	19	700	12	0.03	<2	2	20
CC77949		10	1	0.06	20	1.06	663	<1	0.02	18	660	13	0.02	<2	5	21
CC77950		10	<1	0.07	20	0.77	548	1	0.02	23	600	15	0.02	2	4	19
CC77951		10	<1	0.06	20	0.89	460	<1	0.02	13	750	11	0.04	<2	2	18
CC77952		10	<1	0.10	30	1.56	1020	1	0.02	16	1650	6	0.12	<2	1	46
CC77953		<10	1	0.08	10	0.44	667	1	0.02	13	1830	4	0.24	<2	1	30
CC77954		10	1	0.09	30	1.51	1065	2	0.02	47	1710	13	0.06	<2	5	47
CC77955		10	<1	0.20	30	1.94	1095	24	0.02	110	2250	11	0.06	3	8	73
CC77956		10	<1	0.14	30	2.10	988	20	0.02	73	2070	18	0.01	3	8	47
CC77957		10	<1	0.09	40	2.50	1220	5	0.02	60	2490	239	0.02	2	9	56

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU(Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10083888

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC77918		<20	0.04	<10	<10	40	<10	88
CC77919		<20	0.03	<10	<10	41	<10	131
CC77920		<20	0.03	<10	<10	43	<10	130
CC77921		<20	0.03	<10	<10	40	<10	149
CC77922		<20	0.02	<10	<10	49	<10	324
CC77923		<20	0.03	<10	<10	39	<10	134
CC77924		<20	0.03	<10	<10	41	<10	124
CC77925		<20	0.03	<10	<10	51	<10	251
CC77926		<20	0.03	<10	<10	40	<10	132
CC77927		<20	0.03	<10	<10	46	<10	147
CC77928		<20	0.04	<10	<10	46	<10	111
CC77929		<20	0.03	<10	<10	50	<10	121
CC77930		<20	0.03	<10	<10	42	<10	99
CC77931		<20	0.04	<10	<10	271	<10	539
CC77932		<20	0.08	<10	<10	225	<10	306
CC77933		<20	0.20	<10	<10	105	<10	89
CC77934		<20	0.07	<10	<10	64	<10	68
CC77935		<20	0.95	<10	<10	181	<10	93
CC77936		<20	0.22	<10	<10	86	<10	82
CC77937		<20	0.26	<10	<10	122	<10	84
CC77938		<20	0.10	<10	<10	53	<10	90
CC77939		<20	0.06	<10	<10	69	<10	90
CC77940		<20	0.08	<10	<10	78	<10	81
CC77941		<20	0.04	<10	<10	56	<10	116
CC77942		<20	0.06	<10	<10	60	<10	60
CC77943		<20	0.16	<10	<10	73	<10	60
CC77944		<20	0.23	<10	<10	99	<10	108
CC77945		<20	0.09	<10	<10	71	<10	72
CC77946		<20	0.10	<10	<10	78	<10	90
CC77947		<20	0.14	<10	<10	122	<10	149
CC77948		<20	0.10	<10	<10	80	<10	69
CC77949		<20	0.13	<10	<10	76	<10	71
CC77950		<20	0.07	<10	<10	65	<10	76
CC77951		<20	0.11	<10	<10	80	<10	64
CC77952		<20	0.05	<10	<10	84	<10	69
CC77953		<20	0.04	<10	<10	41	<10	91
CC77954		<20	0.18	<10	<10	128	<10	110
CC77955		<20	0.29	<10	<10	374	<10	478
CC77956		<20	0.22	<10	<10	263	<10	355
CC77957		<20	0.20	<10	<10	170	<10	544

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU(Grey Copper Hill)

Finalized Date: 8-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10083888

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC77958		0.28	0.001	1.2	2.44	16	<10	170	1.4	<2	1.44	4.5	29	61	82	5.61
CC77959		0.20	0.006	0.9	1.17	14	<10	120	0.6	<2	1.97	5.4	10	26	49	2.39
CC77960		0.26	0.002	1.5	1.64	23	<10	700	0.9	<2	2.22	4.3	11	28	56	2.84
CC77961		0.26	0.005	1.1	1.39	26	<10	1070	0.9	<2	2.74	2.2	15	25	55	2.46
CC77962		0.30	0.002	1.4	1.25	29	<10	350	0.8	<2	3.00	4.7	11	21	56	2.42
CC77963		0.36	<0.001	0.5	0.67	21	<10	540	<0.5	2	11.7	1.0	6	11	13	2.15
CC77964		0.24	0.002	2.5	1.34	170	<10	350	0.6	6	6.59	2.6	12	20	43	3.36
CC77965		0.24	0.004	0.5	1.59	34	<10	250	0.7	3	5.06	4.9	13	24	22	2.78
CC77966		0.32	0.009	0.4	1.83	17	<10	230	0.6	<2	4.36	1.9	10	28	18	2.88
CC77967		0.30	0.001	0.3	1.03	22	<10	90	<0.5	<2	11.6	0.5	8	17	15	1.83
CC77968		0.28	0.002	0.9	1.57	27	<10	680	0.6	2	2.05	1.3	13	25	25	3.07
CC77969		0.28	0.004	0.5	1.15	23	<10	310	<0.5	2	5.83	1.0	9	23	23	2.58
CC77970		0.26	0.001	0.6	0.90	30	<10	410	<0.5	<2	9.4	0.6	9	16	19	2.35
CC77971		0.20	<0.001	<0.2	2.35	9	<10	280	0.6	<2	0.54	<0.5	14	59	24	3.55
CC77972		0.18	0.002	0.2	2.19	13	<10	340	0.7	<2	0.27	<0.5	12	46	21	3.68
CC77973		0.18	<0.001	0.2	2.24	13	<10	290	0.7	<2	0.27	0.5	11	43	22	3.62
CC77974		0.18	0.001	0.2	2.29	11	<10	330	0.6	<2	0.47	<0.5	14	54	29	3.61
CC77975		0.16	0.003	<0.2	3.34	8	<10	180	0.6	<2	0.97	<0.5	26	171	31	5.12
CC77976		0.26	<0.001	<0.2	2.12	12	<10	190	0.5	<2	0.42	<0.5	12	29	15	4.08
CC77977		0.14	<0.001	0.2	1.88	8	<10	190	0.5	<2	0.30	0.7	13	25	16	3.97
CC77978		0.18	0.004	<0.2	2.06	7	<10	200	0.6	<2	0.37	<0.5	13	28	19	3.26
CC77979		0.16	<0.001	<0.2	1.89	5	<10	220	0.6	2	0.25	<0.5	10	28	14	3.59
CC77980		0.22	<0.001	<0.2	2.13	5	<10	190	0.5	<2	0.18	0.7	9	28	17	3.59
CC77981		0.18	<0.001	0.3	2.15	8	<10	300	0.8	<2	0.14	<0.5	10	28	32	3.42
CC77982		0.14	0.002	0.2	1.88	12	<10	230	0.7	<2	1.78	0.9	10	31	18	2.94
CC77983		0.16	0.003	0.2	1.49	9	<10	190	0.5	<2	1.22	<0.5	10	27	18	2.91
CC77984		0.18	0.001	0.2	1.52	9	<10	180	0.6	<2	2.14	<0.5	9	26	17	2.81
CC77985		0.30	0.002	<0.2	1.34	10	<10	170	<0.5	<2	4.44	<0.5	10	25	21	2.79
CC77986		0.22	<0.001	0.2	2.01	8	<10	350	0.6	<2	1.14	<0.5	9	32	12	3.14
CC77987		0.18	<0.001	<0.2	2.17	9	<10	710	0.8	<2	0.40	<0.5	15	34	29	3.37
CC77988		0.20	0.001	<0.2	2.39	9	<10	280	0.6	<2	0.36	<0.5	12	37	13	4.01
CC77989		0.20	0.001	<0.2	2.32	12	<10	250	0.7	<2	0.31	<0.5	13	36	18	3.84
CC77990		0.20	0.002	<0.2	2.28	6	<10	230	0.7	<2	0.64	<0.5	14	22	15	4.10
CC77991		0.14	0.002	<0.2	2.69	6	<10	250	0.8	<2	0.56	<0.5	14	21	24	4.45
CC77992		0.18	0.002	0.2	3.05	4	<10	150	0.5	<2	1.08	<0.5	25	163	21	5.19
CC77993		0.18	0.002	<0.2	3.59	4	<10	120	0.6	<2	0.93	<0.5	27	69	50	5.78
CC77994		0.16	<0.001	0.3	5.04	2	<10	120	1.4	<2	0.97	<0.5	33	64	26	8.27
CC77995		0.24	<0.001	<0.2	4.54	<2	<10	160	1.2	<2	1.12	<0.5	31	145	40	7.61
CC77996		0.20	<0.001	0.2	4.55	4	<10	180	1.2	<2	1.26	<0.5	31	147	50	7.60
CC77997		0.18	0.001	0.2	4.01	7	<10	190	1.5	<2	1.01	<0.5	25	81	36	6.94

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CERTIFICATE OF ANALYSIS VA10083888

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC77958		10	<1	0.13	40	1.40	1020	28	0.01	69	2120	151	0.04	4	7	48
CC77959		<10	<1	0.10	20	0.42	599	29	0.01	48	940	50	0.10	5	2	47
CC77960		<10	1	0.15	20	1.02	805	29	0.03	61	1550	64	0.05	6	2	47
CC77961		<10	1	0.21	10	1.03	741	30	0.03	69	3210	43	0.13	5	2	36
CC77962		<10	1	0.20	10	1.54	572	41	0.03	69	1480	45	0.09	7	2	34
CC77963		<10	<1	0.04	10	7.12	1560	16	0.03	24	940	43	0.06	3	1	67
CC77964		<10	<1	0.08	10	4.18	2770	72	0.03	48	1770	227	0.12	15	2	56
CC77965		<10	<1	0.06	10	2.80	2710	43	0.03	27	1920	143	0.16	4	1	27
CC77966		<10	<1	0.06	10	2.78	1070	14	0.03	22	1130	37	0.10	2	2	28
CC77967		<10	<1	0.04	10	7.43	578	32	0.03	15	710	27	0.04	2	1	47
CC77968		<10	1	0.08	10	0.85	1465	24	0.03	33	1750	213	0.16	6	2	28
CC77969		<10	<1	0.07	10	3.84	970	14	0.03	25	1130	86	0.07	3	2	43
CC77970		<10	<1	0.06	10	5.72	812	20	0.04	25	980	49	0.06	2	2	56
CC77971		10	1	0.07	10	1.14	640	<1	0.03	26	710	11	0.04	<2	3	22
CC77972		10	<1	0.10	20	0.79	642	1	0.03	22	610	15	0.04	<2	2	18
CC77973		10	<1	0.08	20	0.82	620	<1	0.02	23	590	15	0.03	<2	2	17
CC77974		10	<1	0.11	10	0.96	943	1	0.03	27	1000	14	0.06	<2	2	24
CC77975		10	1	0.10	10	2.99	864	<1	0.03	63	830	6	0.02	<2	6	30
CC77976		10	<1	0.10	10	1.09	757	<1	0.01	15	530	10	<0.01	2	3	22
CC77977		10	1	0.14	10	0.68	1070	1	0.02	12	650	12	0.02	<2	3	24
CC77978		<10	<1	0.12	10	1.01	520	<1	0.01	17	810	12	0.04	<2	2	21
CC77979		10	<1	0.12	10	0.75	805	1	0.02	13	720	13	0.05	<2	1	19
CC77980		10	<1	0.11	10	0.67	441	1	0.01	15	660	12	0.03	<2	2	15
CC77981		10	<1	0.08	20	0.50	786	1	0.01	16	670	14	0.05	<2	1	16
CC77982		<10	<1	0.09	20	0.65	553	<1	0.02	23	850	24	0.07	<2	2	27
CC77983		<10	<1	0.08	20	0.74	456	1	0.02	24	680	13	0.04	<2	3	27
CC77984		<10	<1	0.09	10	0.81	485	<1	0.02	22	870	12	0.07	<2	2	34
CC77985		<10	<1	0.08	10	1.70	505	<1	0.02	23	890	13	0.03	<2	3	56
CC77986		10	<1	0.08	10	0.65	553	<1	0.02	18	590	17	0.05	<2	3	23
CC77987		10	<1	0.11	20	0.76	1330	1	0.02	20	790	14	0.03	<2	3	25
CC77988		10	<1	0.09	10	0.97	452	<1	0.01	20	790	13	0.02	<2	3	19
CC77989		10	<1	0.10	10	0.96	557	<1	0.01	23	810	16	0.03	<2	3	19
CC77990		10	<1	0.16	20	1.47	777	<1	0.02	14	1340	9	0.02	<2	3	30
CC77991		10	<1	0.18	20	1.54	740	1	0.02	12	1290	12	0.03	<2	3	29
CC77992		10	<1	0.10	10	3.24	756	<1	0.02	57	1360	9	0.03	<2	4	37
CC77993		10	<1	0.06	10	3.03	891	<1	0.01	42	1240	19	0.03	<2	5	29
CC77994		20	<1	0.49	20	4.68	1065	<1	0.01	30	2520	7	0.02	<2	8	79
CC77995		20	<1	0.21	20	4.55	1200	<1	0.01	58	2570	6	0.02	<2	9	102
CC77996		20	<1	0.28	20	4.62	1150	<1	0.02	63	2330	11	0.03	<2	10	111
CC77997		10	<1	0.38	20	3.75	987	1	0.02	39	2370	11	0.02	<2	8	101

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 8-JUL-2010
Account: RCM

Project: RAU(Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10083888

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC77958		<20	0.11	<10	<10	257	<10	654
CC77959		<20	0.08	<10	<10	106	<10	457
CC77960		<20	0.03	<10	<10	178	<10	539
CC77961		<20	0.02	<10	10	264	<10	445
CC77962		<20	0.02	<10	<10	183	<10	693
CC77963		<20	0.01	<10	<10	38	<10	253
CC77964		<20	0.02	<10	<10	68	<10	640
CC77965		<20	0.02	<10	<10	79	<10	707
CC77966		<20	0.04	<10	<10	74	<10	308
CC77967		<20	0.03	<10	<10	42	<10	139
CC77968		<20	0.02	<10	<10	65	<10	310
CC77969		<20	0.04	<10	<10	51	<10	260
CC77970		<20	0.02	<10	<10	44	<10	181
CC77971		<20	0.16	<10	<10	86	<10	68
CC77972		<20	0.10	<10	<10	84	<10	78
CC77973		<20	0.09	<10	<10	76	<10	73
CC77974		<20	0.08	<10	<10	80	<10	76
CC77975		<20	0.65	<10	<10	126	<10	86
CC77976		<20	0.30	<10	<10	80	<10	80
CC77977		<20	0.26	<10	<10	88	<10	81
CC77978		<20	0.16	<10	<10	66	<10	80
CC77979		<20	0.16	<10	<10	67	<10	76
CC77980		<20	0.10	<10	<10	62	<10	109
CC77981		<20	0.06	<10	<10	70	<10	72
CC77982		<20	0.03	<10	<10	50	<10	108
CC77983		<20	0.06	<10	<10	47	<10	71
CC77984		<20	0.04	<10	<10	46	<10	73
CC77985		<20	0.08	<10	<10	39	<10	69
CC77986		<20	0.05	<10	<10	58	<10	92
CC77987		<20	0.08	<10	<10	70	<10	63
CC77988		<20	0.14	<10	<10	72	<10	77
CC77989		<20	0.12	<10	<10	68	<10	81
CC77990		<20	0.25	<10	<10	56	<10	78
CC77991		<20	0.16	<10	<10	65	<10	81
CC77992		<20	0.50	<10	<10	96	<10	81
CC77993		<20	0.41	<10	<10	125	<10	95
CC77994		<20	0.37	<10	<10	185	<10	100
CC77995		<20	0.47	<10	<10	175	<10	103
CC77996		<20	0.47	<10	<10	177	<10	109
CC77997		<20	0.33	<10	<10	142	<10	111

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Finalized Date: 8-JUL-2010
Account: RCM

Project: RAU(Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10083888

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC77998		0.16	0.001	<0.2	4.25	5	<10	180	1.3	<2	1.09	<0.5	28	111	44	7.38
CC77999		0.20	0.001	0.2	3.86	3	<10	200	1.2	<2	1.16	0.5	22	97	39	6.66
CC78000		0.14	0.003	0.6	2.03	11	<10	230	0.8	<2	1.49	1.5	12	34	28	3.59

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Finalized Date: 8-JUL-2010
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CERTIFICATE OF ANALYSIS VA10083888

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC77998		20	<1	0.31	30	3.71	1070	1	0.02	44	2460	14	0.03	<2	10	94
CC77999		10	1	0.19	30	3.49	865	1	0.01	41	2500	26	0.04	<2	9	109
CC78000		10	<1	0.12	20	1.16	668	9	0.02	31	1630	23	0.11	2	3	62

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Project: RAU(Grey Copper Hill)

Finalized Date: 8-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10083888

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC77998		<20	0.37	<10	<10	165	<10	114
CC77999		<20	0.28	<10	<10	149	<10	177
CC78000		<20	0.07	<10	<10	141	<10	256

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Project: RAU(Grey Copper Hill)

Finalized Date: 8-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10083888

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non-sufficient sample.

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Finalized Date: 7-JUL-2010
Account: RCM

CERTIFICATE VA10083889

Project: RAU(Grey Copper Hill)

P.O. No.: GCH

This report is for 137 Soil samples submitted to our lab in Vancouver, BC, Canada on 23-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-31	Pulverize split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
SCR-43	Screen to -500um, discard plus
SCR-01	Screen - Save plus fraction

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 7-JUL-2010
Account: RCM

Project: RAU(Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10083889

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC77534		0.22	0.005	0.2	1.81	12	<10	160	0.7	<2	0.17	<0.5	12	37	19	3.58
CC77535		0.14	0.002	<0.2	1.28	7	<10	110	<0.5	<2	0.18	0.5	8	27	17	2.60
CC77536		0.20	0.003	<0.2	1.47	8	<10	110	<0.5	<2	0.21	<0.5	9	26	17	3.08
CC77537		0.22	0.003	<0.2	2.18	8	<10	120	0.6	<2	0.37	<0.5	15	38	20	3.81
CC77538		0.16	0.003	0.7	2.82	28	<10	230	3.5	<2	0.32	1.8	16	39	64	6.79
CC77539		0.20	0.007	1.0	2.38	12	<10	260	1.1	<2	0.92	1.8	15	43	39	3.96
CC77540		0.18	0.003	0.4	2.16	12	<10	240	1.8	<2	1.67	1.3	10	29	45	3.82
CC77541		0.20	0.005	<0.2	2.99	4	<10	210	0.9	<2	0.79	<0.5	22	47	28	5.08
CC77542		0.22	0.003	<0.2	2.67	6	<10	150	0.9	<2	0.88	<0.5	25	48	31	4.42
CC77543		0.22	0.002	0.2	2.73	7	<10	180	0.9	<2	0.94	<0.5	20	47	33	4.67
CC77544		0.22	0.001	0.3	1.93	8	<10	150	0.6	<2	0.31	<0.5	12	33	16	3.33
CC77545		0.22	0.002	0.2	2.59	6	<10	180	0.7	<2	0.38	<0.5	16	43	22	4.61
CC77546		0.24	0.001	0.2	2.68	8	<10	170	0.8	<2	0.49	<0.5	16	42	24	4.46
CC77547		0.22	0.007	<0.2	1.68	11	<10	200	0.6	<2	0.51	<0.5	12	30	20	3.14
CC77548		0.20	0.002	<0.2	1.96	7	<10	160	0.7	<2	0.59	<0.5	12	27	20	3.59
CC77549		0.14	0.003	0.2	2.05	7	<10	240	0.8	<2	1.25	<0.5	13	27	20	3.75
CC77550		0.20	0.006	0.2	1.64	6	<10	180	0.7	<2	2.55	<0.5	11	24	22	3.20
CC87001		0.16	0.004	0.6	1.17	6	<10	90	<0.5	<2	1.09	1.3	14	47	36	2.83
CC87002		0.18	0.002	0.2	2.79	5	<10	90	0.8	<2	1.22	<0.5	32	160	23	5.15
CC87003		0.30	0.003	0.5	2.19	8	<10	170	0.9	<2	0.55	0.6	24	124	25	4.73
CC87004		0.28	0.004	<0.2	2.20	8	<10	230	1.3	<2	0.68	1.3	33	81	34	4.22
CC87005		0.20	<0.001	0.2	2.25	2	<10	160	0.7	<2	1.40	<0.5	18	71	29	4.24
CC87006		0.20	0.001	<0.2	2.42	2	<10	290	0.7	<2	2.75	0.7	26	40	51	4.28
CC87007		0.22	0.001	0.2	2.27	12	<10	170	0.8	<2	0.47	0.5	14	38	22	4.10
CC87008		0.20	0.001	0.2	2.12	5	<10	250	0.6	<2	0.51	0.5	12	39	19	3.30
CC87009		0.24	0.003	0.2	2.59	8	<10	160	0.6	<2	0.37	<0.5	15	55	24	4.52
CC87010		0.14	0.001	0.2	2.20	6	<10	270	0.7	<2	1.31	<0.5	14	44	24	3.40
CC87011		0.22	0.001	0.2	1.41	5	<10	240	1.0	<2	0.88	0.7	11	23	11	2.80
CC87012		0.18	0.001	0.2	2.29	6	<10	220	0.8	<2	0.30	0.7	12	37	13	4.38
CC87013		0.22	0.001	0.3	1.83	5	<10	160	0.8	<2	0.38	<0.5	23	38	13	3.56
CC87014		0.24	0.002	0.2	2.07	7	<10	160	0.5	<2	0.72	0.5	14	42	16	3.85
CC87015		0.30	0.002	0.2	2.73	6	<10	250	0.7	<2	0.83	<0.5	17	68	21	4.75
CC87016		0.18	0.001	0.2	2.69	7	<10	110	0.8	<2	0.63	<0.5	23	54	21	6.10
CC87017		0.28	0.001	<0.2	2.27	4	<10	240	0.5	<2	0.76	0.5	15	35	13	3.89
CC87018		0.24	0.002	0.2	3.46	8	<10	130	1.0	<2	0.35	<0.5	18	41	18	5.56
CC87019		0.24	<0.001	0.2	3.40	2	<10	90	1.0	<2	0.86	0.5	21	24	17	5.57
CC87020		0.16	<0.001	<0.2	1.59	8	<10	140	0.5	<2	0.38	0.5	11	44	20	3.70
CC87021		0.16	0.004	0.2	1.62	8	<10	360	<0.5	<2	0.39	<0.5	14	30	25	4.13
CC87022		0.18	0.001	0.3	2.04	10	<10	180	1.2	<2	1.49	1.2	27	71	63	4.68
CC87023		0.28	<0.001	0.5	2.86	6	<10	110	1.1	<2	1.25	1.2	31	151	50	5.94

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Project: RAU(Grey Copper Hill)

Finalized Date: 7-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10083889

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC77534		10	<1	0.13	30	0.59	721	2	0.02	25	740	16	0.02	<2	3	16
CC77535		10	<1	0.13	20	0.40	579	3	0.02	16	870	14	0.05	<2	1	18
CC77536		<10	<1	0.08	20	0.44	393	3	0.01	19	710	13	0.03	<2	2	17
CC77537		10	<1	0.09	20	1.14	554	1	0.01	23	870	11	<0.01	<2	5	24
CC77538		10	<1	0.39	60	1.36	2050	35	0.01	70	1090	20	0.04	7	6	21
CC77539		10	<1	0.15	20	1.29	912	10	0.02	54	1140	14	0.02	<2	5	39
CC77540		10	<1	0.32	50	0.97	999	15	0.01	42	870	25	0.07	<2	3	51
CC77541		10	1	0.26	20	2.66	725	<1	0.02	30	1610	7	<0.01	<2	8	67
CC77542		10	<1	0.19	20	2.33	771	<1	0.01	32	1560	8	<0.01	<2	7	68
CC77543		10	<1	0.18	20	2.27	742	<1	0.02	33	1600	12	<0.01	<2	8	62
CC77544		10	<1	0.09	10	0.75	594	<1	0.01	19	610	12	0.01	<2	3	19
CC77545		10	1	0.12	20	1.62	782	1	0.01	29	880	16	0.01	2	5	30
CC77546		10	<1	0.12	20	1.71	768	<1	0.02	28	1160	16	0.01	<2	6	42
CC77547		10	1	0.10	20	0.68	622	<1	0.02	23	830	17	0.01	<2	4	27
CC77548		10	1	0.11	20	0.78	571	<1	0.02	23	820	14	0.01	<2	4	24
CC77549		10	<1	0.15	20	0.88	872	<1	0.02	21	1060	19	0.05	<2	3	28
CC77550		<10	<1	0.24	20	1.42	554	<1	0.02	21	1050	14	0.03	<2	3	34
CC87001		<10	<1	0.11	10	0.73	489	18	0.01	45	1280	8	0.12	<2	3	34
CC87002		10	<1	0.08	20	1.94	849	1	0.01	34	1510	8	0.05	<2	6	41
CC87003		10	<1	0.12	10	1.25	941	3	0.01	26	1090	14	0.08	<2	5	24
CC87004		10	1	0.10	20	1.24	1680	2	0.01	33	1650	14	0.11	<2	4	29
CC87005		<10	1	0.05	10	1.32	887	<1	0.01	30	1290	6	0.10	<2	3	39
CC87006		10	<1	0.07	10	1.18	2020	<1	<0.01	35	1610	5	0.17	2	1	40
CC87007		10	1	0.10	10	0.92	510	1	0.01	25	720	11	0.02	<2	3	28
CC87008		10	<1	0.08	10	0.76	713	1	0.01	23	980	11	0.06	<2	1	23
CC87009		10	<1	0.07	10	1.34	550	<1	0.01	27	710	10	0.01	<2	3	17
CC87010		10	<1	0.06	20	1.01	540	<1	0.01	21	1530	10	0.13	<2	3	52
CC87011		10	<1	0.09	60	0.46	1275	2	0.01	10	810	17	0.04	<2	2	33
CC87012		10	<1	0.09	20	1.03	767	<1	0.01	16	570	16	0.02	<2	2	15
CC87013		10	<1	0.06	20	0.66	2750	2	0.01	13	1000	15	0.08	<2	1	18
CC87014		10	<1	0.09	20	1.08	510	1	0.01	17	1160	11	0.04	<2	2	26
CC87015		10	<1	0.08	10	1.69	740	1	0.01	26	1330	12	0.03	<2	4	28
CC87016		10	<1	0.07	10	1.68	640	1	0.01	22	920	7	0.01	<2	5	24
CC87017		10	<1	0.07	20	1.18	1095	<1	0.01	13	700	8	0.05	<2	4	32
CC87018		10	1	0.06	10	2.26	758	<1	0.01	21	680	10	0.02	<2	4	14
CC87019		10	<1	0.07	20	2.51	1020	<1	0.01	14	2020	4	0.07	<2	3	35
CC87020		10	<1	0.11	10	0.65	455	1	0.01	16	700	11	0.06	<2	2	18
CC87021		10	1	0.06	10	0.67	528	2	<0.01	22	650	13	0.06	<2	3	22
CC87022		10	<1	0.09	30	1.27	1005	10	0.01	74	2410	34	0.01	3	7	54
CC87023		10	<1	0.07	30	2.29	1060	3	<0.01	58	1820	65	0.03	<2	10	37

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7-JUL-2010
Account: RCM

Project: RAU(Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10083889

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC77534		<20	0.08	<10	<10	61	<10	102
CC77535		<20	0.06	<10	<10	66	<10	82
CC77536		<20	0.08	<10	<10	63	<10	80
CC77537		<20	0.28	<10	<10	85	<10	80
CC77538		<20	0.21	<10	<10	238	<10	606
CC77539		<20	0.22	<10	<10	215	<10	456
CC77540		<20	0.09	<10	<10	168	<10	278
CC77541		<20	0.42	<10	<10	121	<10	81
CC77542		<20	0.42	<10	<10	112	<10	86
CC77543		<20	0.29	<10	<10	104	<10	97
CC77544		<20	0.11	<10	<10	67	<10	67
CC77545		<20	0.29	<10	<10	97	<10	92
CC77546		<20	0.25	<10	<10	90	<10	95
CC77547		<20	0.08	<10	<10	57	<10	77
CC77548		<20	0.11	<10	<10	60	<10	83
CC77549		<20	0.10	<10	<10	56	<10	95
CC77550		<20	0.12	<10	<10	42	<10	88
CC87001		<20	0.13	<10	<10	105	<10	209
CC87002		<20	0.23	<10	<10	91	<10	89
CC87003		<20	0.26	<10	<10	106	<10	106
CC87004		<20	0.21	<10	<10	86	<10	127
CC87005		<20	0.08	<10	<10	91	<10	76
CC87006		<20	0.07	<10	<10	91	<10	84
CC87007		<20	0.18	<10	<10	85	<10	83
CC87008		<20	0.05	<10	<10	77	<10	83
CC87009		<20	0.15	<10	<10	98	<10	77
CC87010		<20	0.04	<10	<10	90	<10	59
CC87011		<20	0.06	<10	<10	63	<10	69
CC87012		<20	0.14	<10	<10	86	<10	93
CC87013		<20	0.05	<10	<10	83	<10	55
CC87014		<20	0.07	<10	<10	81	<10	80
CC87015		<20	0.18	<10	<10	106	<10	96
CC87016		<20	0.47	<10	<10	120	<10	86
CC87017		<20	0.23	<10	<10	106	<10	65
CC87018		<20	0.28	<10	<10	124	<10	81
CC87019		<20	0.16	<10	<10	99	<10	74
CC87020		<20	0.14	<10	<10	89	<10	64
CC87021		<20	0.31	<10	<10	107	<10	70
CC87022		<20	0.17	<10	<10	247	<10	274
CC87023		<20	0.11	<10	<10	149	<10	212

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VANCOUVER BC V6B 1L8

Project: RAU(Grey Copper Hill)

Finalized Date: 7-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10083889

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC87024		0.20	0.006	0.2	1.80	7	<10	130	0.6	<2	0.66	1.0	21	59	27	4.29
CC87025		0.28	0.003	0.4	2.42	9	<10	130	1.1	<2	0.61	3.0	26	56	35	5.31
CC87026		0.24	0.003	0.5	2.02	28	<10	200	1.1	<2	1.43	2.0	17	52	77	3.62
CC87027		0.26	0.003	1.4	1.56	27	<10	1640	1.1	<2	1.17	5.2	10	28	54	2.51
CC87028		0.26	0.003	0.6	1.14	23	<10	310	0.9	<2	7.5	3.0	9	18	30	2.20
CC87029		0.18	0.003	1.5	1.09	29	<10	280	0.8	<2	3.66	3.7	16	18	73	2.78
CC87030		0.18	0.006	3.1	1.56	54	<10	910	1.2	<2	1.29	7.4	12	37	144	2.37
CC87031		0.22	0.001	0.3	0.57	7	<10	360	<0.5	3	6.98	2.8	6	10	14	1.93
CC87032		0.26	0.001	0.3	1.33	20	<10	290	0.6	<2	8.5	1.4	9	19	14	2.48
CC87033		0.28	0.002	1.4	1.16	28	<10	550	0.5	<2	5.67	1.4	20	23	36	3.02
CC87034		0.32	0.005	0.3	0.98	18	<10	270	<0.5	<2	9.0	1.5	9	18	16	2.11
CC87035		0.26	0.005	0.3	0.97	17	<10	190	<0.5	<2	8.8	0.8	8	17	15	2.17
CC87036		0.22	0.002	0.3	0.67	19	<10	280	<0.5	<2	11.6	0.7	7	12	14	1.59
CC87037		0.22	0.002	0.5	1.10	39	<10	470	0.5	<2	3.99	1.2	15	30	35	2.63
CC87038		0.24	0.003	0.5	0.97	17	<10	400	<0.5	<2	9.8	0.6	8	16	13	1.85
CC87039		0.26	0.001	0.2	1.05	18	<10	200	<0.5	<2	9.0	0.7	8	16	15	1.98
CC87040		0.24	0.004	<0.2	1.32	24	<10	180	0.5	<2	6.69	0.6	10	20	18	2.33
CC87101		0.26	0.001	<0.2	0.99	30	<10	80	0.6	<2	0.13	<0.5	18	15	32	4.25
CC87102		0.22	0.003	0.3	0.69	38	<10	110	0.6	<2	0.10	0.5	32	10	49	2.60
CC87103		0.20	0.003	0.4	1.44	27	<10	260	0.7	<2	1.81	0.7	14	23	27	2.97
CC87104		0.22	0.001	0.5	1.37	31	<10	190	0.7	<2	0.52	0.6	14	22	19	4.47
CC87105		0.24	0.002	0.3	1.20	99	<10	150	0.6	3	0.23	<0.5	22	21	50	4.08
CC87106		0.18	0.001	0.2	1.49	43	<10	200	0.7	<2	0.88	0.6	22	23	26	3.83
CC87107		0.22	0.001	0.5	1.08	33	<10	160	0.7	<2	0.76	<0.5	17	19	26	3.55
CC87108		0.20	0.001	<0.2	0.91	18	<10	160	0.6	<2	1.27	1.3	18	12	17	4.24
CC87109		0.22	0.002	0.4	0.86	24	<10	210	<0.5	<2	8.4	0.5	9	14	18	2.10
CC87110		0.26	0.001	0.5	0.64	57	<10	140	<0.5	3	0.21	<0.5	8	12	15	2.35
CC87111		0.20	0.007	1.6	0.72	75	<10	170	0.5	3	0.53	0.7	28	13	36	5.35
CC87112		0.28	0.005	1.8	0.80	64	<10	110	0.6	2	0.23	0.7	17	13	44	3.14
CC87113		0.22	0.005	1.8	0.66	80	<10	150	<0.5	2	0.21	<0.5	6	13	22	2.35
CC87114		0.16	0.003	1.9	0.93	58	<10	190	0.6	<2	1.56	0.6	14	13	33	2.85
CC87115		0.30	0.004	2.0	1.01	106	<10	370	0.5	2	1.30	0.5	12	17	37	3.30
CC87116		0.22	0.002	1.1	1.29	43	<10	250	0.5	<2	1.04	<0.5	10	22	30	2.86
CC87117		0.16	0.001	0.5	1.33	32	<10	320	0.5	<2	4.49	0.5	9	19	17	2.46
CC87118		0.18	0.002	0.4	2.06	36	<10	450	1.1	<2	3.79	1.2	15	31	22	3.71
CC87119		0.14	0.002	0.4	1.88	52	<10	280	0.8	<2	1.87	1.1	12	31	24	3.66
CC87120		0.18	0.005	0.4	1.42	32	<10	280	0.6	<2	2.88	0.5	12	26	21	2.95
CC87121		0.14	0.002	0.4	2.04	29	<10	380	0.8	<2	1.13	0.7	13	34	19	3.36
CC87122		0.16	0.004	0.4	2.22	32	<10	420	0.8	<2	2.00	0.5	11	33	22	3.36
CC87123		0.20	0.003	0.4	0.76	24	<10	160	<0.5	<2	12.9	<0.5	7	13	11	1.77

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VANCOUVER BC V6B 1L8

Finalized Date: 7-JUL-2010
Account: RCM

Project: RAU(Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10083889

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC87024		10	<1	0.08	10	0.93	728	2	0.01	22	1220	60	0.09	<2	3	28
CC87025		10	<1	0.10	20	1.13	1010	4	0.01	36	1570	371	0.03	<2	4	26
CC87026		10	<1	0.20	20	0.94	795	20	<0.01	126	1780	52	0.07	4	3	47
CC87027		10	<1	0.19	20	0.53	557	35	<0.01	80	1790	67	0.09	4	2	37
CC87028		<10	1	0.10	20	4.38	1040	34	0.01	42	3220	33	0.08	4	1	42
CC87029		<10	1	0.22	10	1.62	614	39	0.01	80	1790	41	0.14	6	2	37
CC87030		10	2	0.35	20	0.92	435	60	<0.01	118	1470	50	0.10	18	2	30
CC87031		<10	1	0.05	<10	3.85	1700	7	0.01	20	1600	39	0.12	<2	1	54
CC87032		<10	<1	0.06	10	5.63	1625	20	0.01	23	980	39	0.05	2	1	58
CC87033		10	1	0.09	10	3.36	1085	33	0.01	67	1360	479	0.08	<2	3	47
CC87034		<10	1	0.05	10	5.71	1145	13	0.01	24	1340	60	0.08	3	1	65
CC87035		10	<1	0.07	10	5.71	919	13	0.02	24	1240	33	0.03	3	2	52
CC87036		<10	1	0.06	10	7.42	752	10	0.02	21	1410	27	0.06	3	2	52
CC87037		<10	1	0.08	10	2.28	1195	4	0.01	41	1220	37	0.09	4	2	28
CC87038		<10	<1	0.06	10	6.38	915	5	0.02	15	920	51	0.06	2	1	43
CC87039		<10	1	0.05	10	5.90	921	6	0.01	17	840	34	0.07	<2	1	39
CC87040		<10	<1	0.06	10	4.33	1035	9	0.01	22	860	36	0.08	<2	1	28
CC87101		<10	<1	0.20	10	0.16	1215	3	<0.01	28	710	30	0.02	3	1	14
CC87102		<10	<1	0.26	20	0.10	1220	3	<0.01	27	600	29	<0.01	<2	2	35
CC87103		<10	1	0.13	10	0.85	1520	4	0.01	27	1260	43	0.09	<2	2	40
CC87104		10	<1	0.14	20	0.36	3220	1	0.01	27	830	41	0.04	2	4	44
CC87105		<10	<1	0.10	20	0.34	868	5	0.02	49	780	161	0.04	7	3	43
CC87106		<10	<1	0.14	20	0.45	2330	3	0.02	29	1030	65	0.08	2	3	34
CC87107		<10	<1	0.15	20	0.48	1810	3	0.02	26	790	48	0.05	3	3	26
CC87108		<10	<1	0.11	10	0.25	4750	1	0.02	16	1660	25	0.15	<2	2	42
CC87109		<10	<1	0.09	10	5.19	880	6	0.03	15	970	45	0.07	<2	2	57
CC87110		<10	<1	0.25	20	0.09	637	4	0.01	13	1000	61	0.11	6	1	46
CC87111		<10	<1	0.26	30	0.24	2970	7	0.01	60	1260	116	0.12	16	4	77
CC87112		<10	<1	0.21	30	0.10	816	7	0.01	39	1680	224	0.13	12	3	201
CC87113		<10	1	0.33	40	0.10	195	11	0.01	21	1280	149	0.17	13	2	186
CC87114		<10	1	0.14	10	0.40	677	5	0.02	42	1960	119	0.16	8	1	184
CC87115		<10	1	0.21	20	0.63	447	9	0.02	39	1590	215	0.14	13	2	227
CC87116		<10	<1	0.20	20	0.47	770	7	0.02	20	1410	89	0.14	5	2	101
CC87117		<10	<1	0.10	10	2.35	955	7	0.03	14	1250	55	0.15	<2	1	55
CC87118		<10	<1	0.09	10	2.18	3360	19	0.03	24	2100	72	0.17	<2	2	30
CC87119		<10	<1	0.18	20	1.19	1680	3	0.05	25	1120	112	0.09	<2	3	30
CC87120		<10	<1	0.12	10	1.90	1280	8	0.04	24	820	76	0.06	<2	3	31
CC87121		10	<1	0.14	20	0.87	1240	5	0.04	25	1020	93	0.08	<2	3	23
CC87122		10	<1	0.14	10	1.32	1070	5	0.05	25	1170	114	0.10	<2	3	33
CC87123		<10	<1	0.09	10	8.07	726	6	0.03	12	560	42	0.05	<2	2	86

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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC87024		<20	0.18	<10	<10	101	<10	122
CC87025		<20	0.15	<10	<10	101	<10	705
CC87026		<20	0.08	<10	<10	338	<10	930
CC87027		<20	0.02	<10	<10	324	<10	782
CC87028		<20	0.02	<10	<10	95	<10	424
CC87029		<20	0.02	<10	<10	147	<10	670
CC87030		<20	0.02	<10	<10	793	<10	1265
CC87031		<20	0.01	<10	<10	43	<10	413
CC87032		<20	0.02	<10	<10	51	<10	225
CC87033		<20	0.02	<10	<10	58	<10	439
CC87034		<20	0.02	<10	<10	41	<10	204
CC87035		<20	0.02	<10	<10	42	<10	166
CC87036		<20	0.02	<10	<10	31	<10	155
CC87037		<20	0.02	<10	<10	42	<10	226
CC87038		<20	0.02	<10	<10	33	<10	112
CC87039		<20	0.02	<10	<10	33	<10	125
CC87040		<20	0.02	<10	<10	39	<10	132
CC87101		<20	0.02	<10	<10	42	<10	123
CC87102		<20	0.01	<10	<10	15	<10	89
CC87103		<20	0.02	<10	<10	40	<10	149
CC87104		<20	0.02	<10	<10	36	<10	176
CC87105		<20	0.03	<10	<10	38	<10	424
CC87106		<20	0.02	<10	<10	44	<10	289
CC87107		<20	0.02	<10	<10	32	<10	198
CC87108		<20	0.02	<10	<10	27	<10	278
CC87109		<20	0.02	<10	<10	28	<10	136
CC87110		<20	0.01	<10	<10	39	<10	60
CC87111		<20	0.01	<10	<10	33	<10	366
CC87112		<20	0.01	<10	<10	28	<10	238
CC87113		20	0.01	<10	<10	29	<10	105
CC87114		<20	0.01	<10	<10	29	<10	193
CC87115		<20	0.01	<10	<10	34	<10	183
CC87116		<20	0.02	<10	<10	40	<10	111
CC87117		<20	0.02	<10	<10	33	<10	90
CC87118		<20	0.03	<10	<10	60	<10	252
CC87119		<20	0.04	<10	<10	60	<10	285
CC87120		<20	0.04	<10	<10	49	<10	139
CC87121		<20	0.04	<10	<10	63	<10	250
CC87122		<20	0.04	<10	<10	62	<10	191
CC87123		<20	0.03	<10	<10	27	<10	83

***** See Appendix Page for comments regarding this certificate *****

ALS Chemex
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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7-JUL-2010
Account: RCM

Project: RAU(Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10083889

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC87124		0.28	0.001	0.3	0.70	13	<10	150	<0.5	<2	13.7	<0.5	6	11	10	1.27
CC87125		0.28	0.004	0.3	1.15	15	<10	250	<0.5	<2	10.7	<0.5	8	18	12	1.88
CC87126		0.18	0.003	<0.2	0.55	5	<10	130	<0.5	<2	15.5	1.1	5	6	9	0.95
CC87127		0.20	0.003	<0.2	2.34	12	<10	250	0.6	<2	1.50	0.9	15	51	18	4.14
CC87128		0.20	0.001	0.2	2.54	11	<10	250	0.7	<2	2.11	1.6	16	37	14	4.15
CC87129		0.28	0.002	0.3	1.47	10	<10	160	0.5	<2	9.3	<0.5	9	24	12	2.25
CC87130		0.16	0.006	0.2	0.95	17	<10	200	<0.5	<2	10.6	<0.5	9	19	13	1.98
CC87131		0.14	0.001	0.2	0.92	13	<10	250	<0.5	<2	8.3	0.7	8	12	13	1.95
CC87132		0.24	0.005	0.7	0.42	34	<10	190	<0.5	<2	14.0	<0.5	14	16	20	2.95
CC87133		0.28	0.006	0.3	0.54	13	<10	100	<0.5	<2	12.4	0.5	5	10	11	1.31
CC87134		0.18	<0.001	0.2	4.60	2	<10	370	1.1	<2	1.27	<0.5	42	240	56	8.11
CC87135		0.22	<0.001	<0.2	4.76	3	<10	370	1.1	<2	1.17	<0.5	42	276	62	7.95
CC87136		0.20	0.001	0.2	4.68	4	<10	250	1.1	<2	1.26	<0.5	40	263	51	7.71
CC87137		0.18	0.003	0.2	4.87	2	<10	330	1.2	<2	1.49	0.6	40	324	63	7.71
CC87138		0.22	<0.001	<0.2	4.68	2	<10	190	1.0	<2	1.29	<0.5	38	245	46	7.58
CC87139		0.26	<0.001	<0.2	4.93	<2	<10	310	1.0	<2	1.27	<0.5	45	321	60	7.74
CC87140		0.14	0.001	<0.2	3.43	2	<10	110	0.8	<2	1.69	<0.5	22	53	27	5.97
CC87181		0.14	0.001	<0.2	1.27	29	<10	120	0.6	<2	0.12	<0.5	19	30	36	4.06
CC87182		0.14	0.002	0.4	0.96	35	<10	100	0.8	3	0.26	<0.5	23	14	43	4.12
CC87183		0.18	0.001	<0.2	1.08	19	<10	120	0.5	2	0.09	<0.5	15	18	26	3.02
CC87184		0.14	0.002	<0.2	2.20	22	<10	250	0.8	2	0.27	<0.5	13	33	23	4.12
CC87185		0.26	0.001	0.4	2.00	37	<10	300	1.1	<2	0.64	<0.5	17	42	23	4.84
CC87186		0.26	0.001	<0.2	1.69	22	<10	220	0.7	2	0.17	<0.5	15	28	27	3.95
CC87187		0.20	0.001	0.7	1.00	16	<10	100	0.7	<2	0.69	<0.5	14	31	26	3.51
CC87188		0.20	0.001	0.2	1.47	21	<10	170	0.8	2	0.41	<0.5	14	23	25	4.66
CC87189		0.22	0.001	0.2	1.16	18	<10	100	0.7	<2	0.37	<0.5	12	36	25	3.32
CC87190		0.14	NSS	0.2	1.50	35	<10	160	<0.5	4	0.13	<0.5	5	31	16	3.56
CC87191		0.18	0.010	0.6	1.19	50	<10	110	0.8	7	0.10	0.5	29	27	49	4.00
CC87192		0.12	0.013	1.3	0.66	63	<10	160	<0.5	3	0.05	<0.5	4	15	18	2.53
CC87193		0.18	0.027	1.5	1.22	131	<10	210	<0.5	3	0.06	<0.5	5	43	14	3.36
CC87194		0.16	NSS	1.8	1.43	99	<10	280	0.7	2	0.20	<0.5	13	22	36	3.84
CC87195		0.14	0.027	2.7	1.90	187	10	330	0.7	<2	0.20	0.5	10	51	34	4.18
CC87196		0.14	0.021	0.6	1.17	23	<10	320	<0.5	<2	6.19	<0.5	8	19	18	2.33
CC87197		0.30	0.005	1.0	0.84	28	<10	330	<0.5	<2	6.56	<0.5	8	15	19	2.21
CC87198		0.20	0.018	0.9	1.03	47	<10	150	0.7	2	4.32	1.2	12	21	29	3.82
CC87199		0.14	NSS	0.3	1.11	54	<10	130	<0.5	<2	5.36	<0.5	9	19	16	2.36
CC87200		0.18	0.006	0.4	1.18	36	<10	160	0.5	<2	8.4	0.5	8	18	18	2.30
CC87201		0.20	0.017	0.4	0.41	41	<10	110	<0.5	2	15.8	0.8	5	6	9	1.48
CC87202		0.18	0.002	0.3	0.64	19	<10	90	<0.5	<2	14.2	<0.5	6	9	11	1.23
CC87203		0.22	0.004	0.3	1.07	19	<10	190	<0.5	<2	9.9	<0.5	8	17	13	2.03

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VANCOUVER BC V6B 1L8

Finalized Date: 7-JUL-2010
Account: RCM

Project: RAU(Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10083889

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC87124		<10	<1	0.06	10	8.79	573	5	0.04	9	530	33	0.05	<2	1	62
CC87125		<10	<1	0.09	10	6.91	729	7	0.04	12	620	46	0.06	<2	2	76
CC87126		<10	<1	0.03	<10	9.71	1540	1	0.03	2	960	11	0.10	<2	<1	56
CC87127		10	<1	0.07	10	1.79	680	4	0.02	29	620	20	0.05	<2	4	21
CC87128		10	<1	0.06	10	2.03	1560	8	0.02	21	750	24	0.07	<2	4	21
CC87129		<10	<1	0.05	10	6.35	688	3	0.03	15	630	16	0.05	<2	2	42
CC87130		<10	<1	0.04	10	6.72	737	5	0.03	15	1010	20	0.07	<2	1	66
CC87131		<10	<1	0.05	10	4.89	1340	9	0.03	12	1120	26	0.12	<2	1	45
CC87132		<10	<1	0.05	10	8.85	982	9	0.03	48	980	109	0.03	3	3	110
CC87133		<10	<1	0.04	10	7.98	589	8	0.03	16	690	19	0.02	<2	1	71
CC87134		20	1	0.39	20	6.11	1320	<1	0.03	112	2200	3	0.02	<2	9	79
CC87135		20	<1	0.48	10	6.57	1360	<1	0.02	125	1860	5	0.02	<2	11	78
CC87136		20	<1	0.37	10	6.30	1270	1	0.03	108	2410	4	0.02	<2	12	83
CC87137		20	<1	0.30	10	6.59	1270	1	0.03	125	1770	4	0.04	<2	14	83
CC87138		20	<1	0.24	10	5.73	1280	1	0.02	98	1980	5	0.02	<2	11	69
CC87139		20	<1	0.40	10	6.69	1290	<1	0.02	123	2430	5	0.02	<2	12	97
CC87140		10	<1	0.09	10	2.65	884	<1	0.03	22	1720	7	0.06	<2	7	55
CC87181		<10	<1	0.24	20	0.33	1140	3	0.02	31	930	19	0.04	<2	2	25
CC87182		<10	<1	0.32	10	0.16	826	3	0.02	33	810	20	0.06	4	3	37
CC87183		<10	<1	0.22	30	0.22	1380	2	0.02	23	460	26	0.03	<2	2	34
CC87184		10	<1	0.36	20	0.41	1280	3	0.05	24	650	31	0.05	<2	3	35
CC87185		<10	<1	0.20	20	0.47	2610	5	0.03	32	1230	52	0.06	<2	5	33
CC87186		10	<1	0.24	20	0.33	1550	1	0.03	26	640	30	0.04	<2	2	23
CC87187		<10	<1	0.22	10	0.22	864	1	0.03	24	910	22	0.08	<2	3	39
CC87188		<10	<1	0.26	10	0.33	1820	1	0.03	25	670	19	0.03	<2	4	30
CC87189		<10	<1	0.22	10	0.33	752	1	0.03	24	600	20	0.03	<2	3	32
CC87190		10	<1	0.43	30	0.23	418	4	0.04	12	850	20	0.09	2	1	26
CC87191		<10	<1	0.57	30	0.12	2110	4	0.02	40	1060	73	0.03	6	3	39
CC87192		<10	<1	0.37	30	0.07	139	6	0.02	8	700	72	0.21	8	<1	53
CC87193		<10	<1	0.64	40	0.12	214	7	0.02	13	380	139	0.20	22	2	38
CC87194		<10	<1	0.69	50	0.17	443	10	0.02	41	1710	163	0.22	16	3	355
CC87195		10	1	0.91	50	0.19	336	11	0.02	41	1340	131	0.17	28	3	163
CC87196		<10	<1	0.25	20	4.26	604	5	0.05	15	610	47	0.08	3	2	63
CC87197		<10	<1	0.14	10	4.60	479	4	0.03	18	580	75	0.06	2	2	90
CC87198		<10	<1	0.09	10	2.83	1750	4	0.02	28	1020	108	0.06	<2	3	71
CC87199		<10	<1	0.07	10	3.78	811	4	0.03	16	680	73	0.05	<2	2	36
CC87200		<10	<1	0.06	10	5.51	1360	3	0.03	16	600	73	0.05	<2	2	45
CC87201		<10	<1	0.03	<10	10.10	2210	6	0.03	7	330	77	0.03	<2	1	96
CC87202		<10	<1	0.04	10	9.20	670	5	0.03	9	420	69	0.04	<2	1	46
CC87203		<10	<1	0.05	10	6.45	728	5	0.03	15	560	67	0.04	<2	2	51

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7-JUL-2010
Account: RCM

Project: RAU(Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10083889

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC87124		<20	0.02	<10	<10	22	<10	80
CC87125		<20	0.04	<10	<10	35	<10	134
CC87126		<20	0.01	<10	<10	14	<10	183
CC87127		<20	0.22	<10	<10	105	<10	132
CC87128		<20	0.16	<10	<10	97	<10	155
CC87129		<20	0.06	<10	<10	45	<10	74
CC87130		<20	0.06	<10	<10	33	<10	88
CC87131		<20	0.02	<10	<10	27	<10	191
CC87132		<20	0.01	<10	<10	23	<10	154
CC87133		<20	0.04	<10	<10	29	<10	124
CC87134		<20	0.57	<10	<10	200	<10	99
CC87135		<20	0.47	<10	<10	211	<10	100
CC87136		<20	0.56	<10	<10	209	<10	114
CC87137		<20	0.52	<10	<10	219	<10	116
CC87138		<20	0.61	<10	<10	194	<10	103
CC87139		<20	0.60	<10	<10	211	<10	86
CC87140		<20	0.41	<10	<10	148	<10	84
CC87181		<20	0.04	<10	<10	50	<10	54
CC87182		<20	0.01	<10	<10	23	<10	48
CC87183		<20	0.03	<10	<10	33	<10	70
CC87184		<20	0.04	<10	<10	62	<10	102
CC87185		<20	0.03	<10	<10	48	<10	141
CC87186		<20	0.03	<10	<10	53	<10	156
CC87187		<20	0.01	<10	<10	23	<10	54
CC87188		<20	0.02	<10	<10	38	<10	63
CC87189		<20	0.02	<10	<10	31	<10	55
CC87190		<20	0.03	<10	<10	55	<10	41
CC87191		<20	0.01	<10	<10	26	<10	311
CC87192		<20	0.01	<10	<10	38	<10	40
CC87193		<20	0.02	<10	<10	50	<10	63
CC87194		20	0.02	<10	<10	57	<10	171
CC87195		20	0.02	<10	<10	60	<10	236
CC87196		<20	0.03	<10	<10	37	<10	86
CC87197		<20	0.03	<10	<10	29	<10	87
CC87198		<20	0.02	<10	<10	43	<10	326
CC87199		<20	0.03	<10	<10	36	<10	123
CC87200		<20	0.02	<10	<10	34	<10	197
CC87201		<20	0.01	<10	<10	14	<10	257
CC87202		<20	0.02	<10	<10	19	<10	94
CC87203		<20	0.02	<10	<10	33	<10	111

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Finalized Date: 7-JUL-2010
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Project: RAU(Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10083889

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC87204		0.28	0.001	0.4	1.26	27	<10	220	0.5	<2	8.8	<0.5	9	19	16	2.56
CC87205		0.26	0.001	0.3	0.51	14	<10	160	<0.5	<2	14.9	<0.5	5	8	9	1.11
CC87206		0.14	0.002	0.3	1.22	13	<10	220	0.5	<2	9.7	0.6	8	17	12	2.09
CC87207		0.20	0.002	0.4	0.63	12	<10	520	<0.5	<2	13.3	<0.5	8	11	10	1.67
CC87208		0.20	0.004	0.3	1.37	22	<10	250	0.5	<2	5.18	<0.5	9	19	13	2.42
CC87209		0.18	0.012	0.2	1.38	19	<10	170	0.6	<2	5.01	0.5	9	21	14	2.62
CC87210		0.16	0.001	0.3	0.80	14	<10	320	<0.5	<2	9.8	1.0	10	18	20	2.22
CC87211		0.22	0.002	0.3	0.83	16	<10	150	<0.5	<2	8.7	0.8	7	16	15	1.80
CC87212		0.12	0.014	0.4	1.30	24	<10	210	0.8	<2	5.02	0.8	10	24	20	2.68
CC87213		0.16	0.002	0.6	0.64	23	<10	330	0.6	<2	9.4	5.5	23	13	92	5.01
CC87214		0.34	<0.001	<0.2	4.47	<2	<10	330	1.0	<2	1.18	<0.5	39	215	50	7.71
CC87215		0.30	<0.001	<0.2	4.74	2	<10	270	1.0	<2	1.02	<0.5	44	290	56	7.78
CC87216		0.34	<0.001	<0.2	4.86	<2	<10	370	1.0	<2	1.20	<0.5	43	297	64	7.64
CC87217		0.32	0.005	1.7	2.57	23	<10	170	0.9	<2	2.85	3.8	20	140	101	4.24
CC87218		0.38	0.001	<0.2	4.90	4	<10	270	1.0	<2	1.14	<0.5	41	346	58	7.55
CC87219		0.20	0.001	<0.2	4.64	3	<10	400	1.1	<2	1.28	<0.5	39	241	52	7.87
CC87220		0.22	0.005	0.6	1.12	58	<10	320	0.6	<2	6.23	1.3	11	19	32	3.18

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7-JUL-2010
Account: RCM

Project: RAU(Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10083889

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC87204		<10	<1	0.06	10	5.77	863	8	0.03	16	520	66	0.04	<2	2	37
CC87205		<10	<1	0.03	<10	9.64	657	6	0.03	7	420	38	0.03	<2	1	66
CC87206		<10	<1	0.05	10	6.27	950	6	0.03	13	760	42	0.07	<2	1	46
CC87207		<10	<1	0.04	10	8.61	471	9	0.04	12	490	38	0.02	<2	1	86
CC87208		<10	<1	0.05	10	3.40	1010	6	0.03	16	1000	57	0.09	<2	2	30
CC87209		<10	<1	0.05	10	3.41	775	6	0.03	18	710	67	0.08	<2	2	23
CC87210		<10	<1	0.04	10	5.70	933	6	0.03	24	1370	57	0.12	<2	1	49
CC87211		<10	<1	0.05	10	5.49	858	7	0.03	23	1090	43	0.04	<2	1	46
CC87212		<10	<1	0.08	20	3.38	1160	9	0.03	45	1760	30	0.05	<2	2	36
CC87213		<10	<1	0.12	10	5.52	838	19	0.03	93	1770	61	0.10	4	3	71
CC87214		20	1	0.48	10	5.83	1270	<1	0.02	97	2620	4	0.01	<2	7	96
CC87215		20	<1	0.37	10	6.51	1290	<1	0.02	129	2080	2	0.01	<2	8	80
CC87216		20	1	0.43	10	6.69	1270	1	0.02	128	2260	4	<0.01	<2	12	88
CC87217		10	<1	0.27	10	3.13	654	45	0.01	125	1560	19	0.02	5	8	88
CC87218		10	<1	0.40	10	6.94	1285	<1	0.01	131	2090	2	0.02	<2	12	89
CC87219		10	<1	0.57	10	6.59	1270	<1	0.01	100	1910	<2	0.04	<2	10	100
CC87220		<10	<1	0.08	10	3.98	1775	16	0.02	28	780	249	0.09	<2	2	34

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Finalized Date: 7-JUL-2010
Account: RCM

Project: RAU(Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10083889

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC87204		<20	0.03	<10	<10	38	<10	118
CC87205		<20	0.02	<10	<10	17	<10	86
CC87206		<20	0.02	<10	<10	34	<10	152
CC87207		<20	0.04	<10	<10	23	<10	77
CC87208		<20	0.02	<10	<10	41	<10	135
CC87209		<20	0.02	<10	<10	42	<10	171
CC87210		<20	0.01	<10	<10	27	<10	335
CC87211		<20	0.02	<10	<10	39	<10	183
CC87212		<20	0.03	<10	<10	58	<10	307
CC87213		<20	0.01	<10	<10	39	<10	634
CC87214		<20	0.42	<10	<10	182	<10	87
CC87215		<20	0.47	<10	<10	199	<10	88
CC87216		<20	0.43	<10	<10	208	<10	99
CC87217		<20	0.32	<10	<10	230	<10	634
CC87218		<20	0.50	<10	<10	205	<10	89
CC87219		<20	0.44	<10	<10	205	<10	86
CC87220		<20	0.02	<10	<10	33	<10	533

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Project: RAU(Grey Copper Hill)

Finalized Date: 7-JUL-2010
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CERTIFICATE OF ANALYSIS VA10083889

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non-sufficient sample.

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 8-JUL-2010
Account: RCM

CERTIFICATE VA10083930

Project: RAU

P.O. No.: BATCH 19

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 23-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

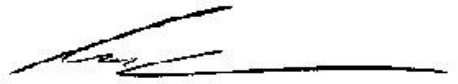
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Project: RAU

Finalized Date: 8-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10083930

Sample Description	Method	WEI-21	Au-AA26	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
I075149		3.14	0.01	0.24	0.98	87	240	0.25	0.07	34.8	1.23	18.20	10.8	43	0.69	5.1
I075150		4.58	0.01	0.14	0.65	44	170	0.14	0.02	35.4	0.38	11.50	4.7	22	0.50	2.5
I075151		4.78	0.01	0.15	0.64	71	180	0.17	0.13	35.0	0.80	12.25	5.2	21	0.72	4.5
I075152		8.22	0.01	0.06	0.46	48	120	0.16	0.07	35.8	0.39	9.00	3.4	13	0.42	2.8
I075153		0.26	0.37	7.20	5.41	<0.2	70	1.04	1.14	1.43	0.02	19.10	8.5	33	20.6	12.0
I075154		9.30	0.01	0.16	1.47	122	300	0.30	0.97	32.3	0.95	17.45	9.4	37	1.64	6.7
I075155		5.14	0.01	0.02	0.13	<5	30	0.07	0.08	35.6	0.06	1.29	0.7	3	0.27	1.0
I075156		5.22	0.08	0.24	0.44	248	50	0.24	2.23	27.7	0.14	4.69	1.1	5	2.32	2.3
I075157		4.26	<0.01	0.02	0.07	<5	20	0.06	0.04	19.90	0.06	1.20	1.5	2	0.13	3.4
I075158		4.94	2.33	0.19	0.24	>10000	20	0.10	113.5	13.35	0.73	12.25	0.9	4	0.84	4.5
I075159		6.12	0.37	0.30	0.09	2450	10	<0.05	394	15.75	6.36	17.10	0.7	2	0.46	5.1
I075160		3.50	2.60	7.88	0.15	>10000	10	0.10	422	13.95	20.9	14.45	1.4	<1	0.62	12.5
I075161		1.86	0.02	0.92	1.23	44	180	0.42	3.28	28.3	17.20	9.88	7.4	13	1.10	6.7
I075162		2.12	0.01	0.43	7.01	37.1	990	0.77	0.86	8.90	1.93	27.2	24.7	190	26.5	45.1
I075163		5.44	0.01	0.06	7.51	1.4	620	0.54	0.13	7.21	0.03	27.2	47.5	206	19.90	33.3
I075164		2.66	<0.01	0.08	7.48	1.7	620	0.53	0.10	7.36	0.03	27.7	46.0	190	18.55	34.7
I075165		3.30	<0.01	0.09	7.38	<0.2	430	0.43	0.07	6.03	0.02	25.8	49.2	222	14.00	7.9
I075166		2.38	<0.01	0.13	8.09	1.3	1660	0.67	16.10	4.78	<0.02	95.5	28.9	241	57.2	16.0
I075167		5.60	<0.01	0.23	7.24	35.2	1410	0.90	20.8	3.06	0.02	50.3	40.4	218	59.4	34.3
I075168		5.82	0.02	0.11	7.32	3.3	2480	0.75	0.64	8.48	<0.02	30.6	34.5	232	44.2	72.3
I075169		1.98	0.01	0.12	6.29	34.3	290	0.61	3.62	9.20	<0.02	22.7	42.7	179	32.1	52.3
I075170		3.80	0.01	0.01	0.18	6	50	0.16	0.61	21.0	<0.02	3.00	1.8	4	1.39	2.2
I075171		5.72	0.02	0.03	0.12	16	40	0.17	18.10	20.9	0.02	5.93	1.4	4	1.17	2.5
I075172		5.98	0.02	0.02	0.05	261	40	0.12	1.55	21.1	0.34	3.07	1.0	3	0.52	2.0
I075173		4.12	0.01	<0.01	0.06	<5	20	0.06	0.03	20.6	0.05	1.19	1.5	2	0.11	1.5
I075174		4.34	0.02	0.14	1.31	105	260	0.40	0.16	31.1	1.12	19.40	6.1	35	1.15	6.6
I075175		8.20	0.02	0.15	1.40	192	310	0.42	1.01	30.3	1.13	17.95	8.3	35	1.79	11.1
I075176		5.30	0.04	0.03	0.16	20	60	0.06	0.14	37.5	0.23	2.80	1.2	4	0.25	1.3
I075177		5.64	0.02	0.10	0.63	128	150	0.16	1.18	35.8	0.43	7.15	3.5	16	1.02	5.8
I075178		2.80	13.40	10.40	1.38	>10000	1800	0.56	540	2.08	23.7	19.40	8.0	54	1.57	32.8
I075179		0.26	8.76	23.1	5.13	9.1	30	1.44	1.31	1.45	0.04	5.98	9.8	38	60.7	17.7
I075180		4.14	17.20	9.05	0.08	>10000	2050	0.20	807	2.99	8.64	2.81	0.7	11	0.07	9.7
I075181		4.46	7.68	4.06	0.30	>10000	2410	0.05	1080	1.72	1.95	8.54	1.9	16	0.25	11.6
I075182		4.32	6.88	5.61	0.22	>10000	3160	0.07	830	1.58	5.89	5.76	1.2	9	0.29	10.1
I075183		4.78	12.05	3.61	0.31	>10000	2730	0.27	1650	1.32	4.10	7.32	1.4	10	0.46	14.4
I075184		4.34	1.55	10.35	0.72	>10000	650	0.39	1980	0.43	2.72	9.66	2.2	19	0.65	14.3

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10083930

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I075149		1.54	2.41	0.06	0.5	0.015	0.34	12.1	3.2	0.32	453	0.24	0.02	6.1	13.2	400
I075150		1.03	1.44	<0.05	0.4	0.010	0.28	8.8	1.8	0.67	318	0.24	0.02	3.6	4.4	220
I075151		1.09	1.60	0.06	0.4	0.012	0.28	9.1	2.4	0.31	436	0.25	0.02	3.3	4.1	210
I075152		0.66	1.04	0.05	0.2	0.010	0.20	7.0	1.3	0.23	343	0.16	0.01	2.4	<0.2	150
I075153		2.14	16.30	0.11	1.4	0.020	3.51	11.0	9.3	0.64	302	10.50	1.34	2.2	8.0	470
I075154		1.43	3.43	0.08	0.7	0.020	0.66	11.6	5.0	0.32	580	0.41	0.03	7.6	17.7	340
I075155		0.15	0.19	<0.05	<0.1	0.010	0.06	0.9	0.5	0.83	100	1.34	0.01	0.2	<0.2	<10
I075156		1.47	1.38	<0.05	0.1	0.026	0.23	2.8	2.9	5.00	510	1.98	0.02	0.5	<0.2	20
I075157		0.42	0.34	0.22	<0.1	0.005	0.02	0.6	1.3	12.30	185	0.07	0.01	0.2	<0.2	180
I075158		13.40	1.51	0.25	0.1	0.146	0.11	6.2	2.3	7.54	2850	0.21	0.01	0.4	<0.2	20
I075159		13.65	0.82	0.22	<0.1	0.066	0.04	10.0	1.8	8.46	3160	0.16	0.01	0.2	<0.2	20
I075160		14.20	1.50	0.26	0.1	0.113	0.09	8.4	2.1	7.46	3240	0.12	<0.01	0.4	<0.2	20
I075161		2.27	4.04	<0.05	0.3	0.051	0.61	5.6	3.6	1.19	2470	0.27	<0.01	1.6	13.4	40
I075162		3.61	17.00	0.10	0.2	0.046	4.15	14.2	30.3	2.28	626	0.71	0.21	5.1	107.0	680
I075163		6.75	19.00	0.16	0.4	0.047	1.87	14.0	38.8	3.64	627	0.54	1.44	12.6	185.5	790
I075164		6.93	19.00	0.17	0.2	0.046	1.82	14.5	36.2	3.57	643	0.35	1.46	12.1	179.0	800
I075165		9.05	18.50	0.19	0.5	0.039	1.09	13.4	31.7	3.75	502	0.52	1.76	14.6	201	780
I075166		6.67	21.3	0.22	0.5	0.044	5.81	58.9	56.7	3.66	451	0.34	0.75	13.6	182.0	930
I075167		6.11	24.1	0.22	0.8	0.024	5.21	26.2	52.6	6.03	299	0.52	0.15	10.5	182.5	860
I075168		4.30	20.6	0.14	0.8	0.045	5.52	16.2	48.9	4.11	607	0.32	0.18	9.7	195.0	740
I075169		6.82	15.60	0.17	0.6	0.032	4.12	11.8	37.7	5.47	488	0.39	0.08	4.5	210	690
I075170		0.61	0.55	0.09	0.1	<0.005	0.11	2.1	3.4	12.30	436	0.11	0.02	0.3	<0.2	30
I075171		1.39	0.54	0.05	<0.1	<0.005	0.09	4.0	3.8	12.50	352	0.13	0.02	0.3	<0.2	20
I075172		1.24	0.24	0.05	<0.1	0.006	0.04	2.4	3.2	11.75	442	0.15	0.02	0.2	<0.2	10
I075173		0.43	0.35	0.26	<0.1	<0.005	0.02	0.6	1.3	12.50	191	0.17	0.01	0.3	<0.2	220
I075174		1.11	3.21	0.11	0.7	0.014	0.62	13.1	4.6	0.29	294	0.26	0.03	7.1	10.6	300
I075175		1.47	3.31	0.08	0.6	0.021	0.55	12.1	6.8	0.36	572	0.37	0.03	5.9	20.0	270
I075176		0.22	0.40	0.08	0.1	<0.005	0.05	2.9	0.8	0.29	226	<0.05	0.01	0.7	<0.2	60
I075177		0.95	1.56	0.05	0.2	0.018	0.21	5.2	3.7	0.37	408	0.28	0.02	2.3	5.6	110
I075178		38.2	4.72	0.76	0.4	0.264	0.44	12.5	9.2	0.33	1400	4.18	0.06	2.2	26.9	720
I075179		2.14	15.55	<0.05	1.0	0.023	3.63	2.7	17.9	0.66	310	16.90	1.22	1.9	14.3	660
I075180		39.0	0.71	0.56	0.1	0.217	0.04	1.2	0.3	0.05	201	2.70	0.06	0.3	2.1	270
I075181		42.9	2.06	0.75	0.3	0.218	0.09	3.3	0.7	0.09	239	3.53	0.07	0.5	9.3	190
I075182		46.0	1.63	0.83	0.1	0.237	0.06	2.6	0.7	0.06	175	3.15	0.09	0.6	7.0	190
I075183		42.5	3.16	1.02	0.4	0.292	0.20	3.4	1.3	0.08	249	3.90	0.05	1.7	8.0	180
I075184		24.2	5.32	0.67	1.1	0.184	0.25	5.4	1.9	0.23	435	2.92	0.04	4.2	11.6	100

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 8-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10083930

Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Sample Description LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I075149	5.2	12.4	<0.002	0.02	0.55	3.6	2	0.3	44.1	0.34	<0.05	0.9	0.173	0.14	0.6
I075150	3.1	9.3	<0.002	0.13	0.25	2.1	2	0.2	171.5	0.20	<0.05	0.6	0.104	0.07	0.5
I075151	6.2	11.2	<0.002	0.02	0.34	2.4	2	0.2	87.8	0.18	<0.05	0.6	0.091	0.12	0.6
I075152	4.1	7.6	<0.002	0.01	0.63	1.7	2	0.2	140.0	0.13	<0.05	0.5	0.063	0.13	0.4
I075153	12.1	820	<0.002	0.01	0.76	7.4	2	1.1	61.8	0.21	<0.05	1.2	0.256	5.92	0.6
I075154	15.6	27.4	<0.002	0.02	1.35	4.2	2	0.6	60.5	0.45	<0.05	1.3	0.213	0.39	1.0
I075155	2.7	3.9	0.003	0.09	0.22	0.5	2	<0.2	154.5	<0.05	<0.05	0.2	0.006	0.06	1.1
I075156	79.2	29.9	<0.002	1.63	0.91	1.0	2	0.2	130.0	<0.05	<0.05	0.6	0.016	0.29	0.6
I075157	1.5	1.3	<0.002	0.02	<0.05	0.4	2	<0.2	46.4	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
I075158	50.4	13.7	0.002	>10.0	8.22	0.7	2	0.8	84.2	<0.05	0.15	0.3	0.010	0.17	1.2
I075159	304	5.9	<0.002	>10.0	11.05	0.4	3	0.3	100.5	<0.05	0.20	0.2	<0.005	0.31	0.5
I075160	1305	9.8	0.003	>10.0	18.35	0.5	3	0.5	91.1	<0.05	0.31	0.2	0.008	0.64	0.7
I075161	549	41.8	<0.002	1.15	3.35	2.9	2	1.8	225	<0.05	<0.05	1.0	0.070	0.27	0.5
I075162	146.0	274	<0.002	0.97	7.90	22.4	2	7.6	98.9	0.32	<0.05	1.4	0.412	1.98	0.2
I075163	1.4	75.8	0.002	0.01	0.55	25.1	2	1.0	197.5	0.76	<0.05	1.7	0.768	0.59	0.3
I075164	1.4	71.9	<0.002	0.01	0.54	24.9	2	1.0	200	0.74	<0.05	1.7	0.787	0.57	0.3
I075165	1.2	43.9	<0.002	0.01	0.50	23.8	2	0.8	187.5	0.82	<0.05	1.7	0.812	0.37	0.3
I075166	2.5	530	0.002	1.22	0.95	26.7	2	15.2	130.5	0.76	0.05	2.2	0.774	3.14	1.0
I075167	3.0	600	<0.002	2.79	0.45	24.4	2	11.1	46.9	0.57	0.10	1.7	0.559	4.31	0.9
I075168	1.1	306	<0.002	1.31	0.21	24.1	2	6.2	76.6	0.50	0.05	1.6	0.426	2.77	0.5
I075169	1.4	270	0.002	6.47	0.39	20.8	2	2.7	50.1	0.25	<0.05	1.5	0.293	2.08	0.7
I075170	1.0	14.4	<0.002	0.54	0.10	0.6	2	<0.2	47.4	<0.05	<0.05	0.2	0.009	0.11	0.5
I075171	1.2	19.7	<0.002	1.01	0.33	0.7	2	0.2	43.5	<0.05	<0.05	0.2	0.007	0.09	0.3
I075172	4.5	6.3	<0.002	1.24	0.20	0.4	2	<0.2	39.1	<0.05	<0.05	<0.2	<0.005	0.07	0.5
I075173	1.2	1.1	<0.002	0.02	<0.05	0.4	2	<0.2	46.0	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
I075174	6.8	24.2	<0.002	0.01	0.75	4.0	2	0.4	86.8	0.42	<0.05	1.2	0.195	0.21	1.2
I075175	42.6	23.8	<0.002	0.01	3.49	4.1	2	0.7	76.9	0.34	<0.05	1.2	0.171	0.45	1.1
I075176	3.5	2.7	<0.002	0.02	0.16	0.7	2	<0.2	137.5	<0.05	<0.05	<0.2	0.016	0.02	0.2
I075177	27.0	11.6	<0.002	0.02	0.77	2.0	2	0.5	114.5	0.12	<0.05	0.5	0.066	0.13	0.3
I075178	841	27.3	0.003	0.05	17.65	4.6	2	3.4	31.5	0.11	2.10	1.2	0.086	0.55	4.4
I075179	6.5	1570	<0.002	0.03	0.85	7.5	1	1.0	57.3	0.21	<0.05	0.5	0.258	13.70	0.2
I075180	380	3.1	0.003	0.07	28.2	0.9	2	1.3	38.6	<0.05	1.86	<0.2	<0.005	0.03	6.6
I075181	47.8	7.3	0.002	0.09	27.7	2.0	4	2.1	29.0	<0.05	1.94	0.3	0.011	0.08	5.8
I075182	118.0	4.2	0.005	0.13	23.0	1.9	3	1.5	38.1	<0.05	1.27	0.3	0.014	0.07	6.5
I075183	205	8.3	<0.002	0.32	65.5	2.1	4	3.8	85.2	0.07	2.80	0.6	0.041	0.19	6.8
I075184	789	10.9	0.006	0.23	85.7	2.8	12	4.9	25.6	0.16	3.18	0.9	0.110	0.20	2.2

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 8-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10083930

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	As-OG62
	Analyte	V	W	Y	Zn	Zr	As
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
I075149		35	0.7	13.8	167	20.4	
I075150		21	0.3	8.2	81	13.9	
I075151		19	0.6	10.1	133	15.7	
I075152		13	2.7	6.7	125	10.3	
I075153		55	0.4	11.2	27	51.1	
I075154		33	2.2	10.5	370	27.7	
I075155		4	0.2	0.7	23	1.1	
I075156		5	2.7	2.0	43	5.5	
I075157		2	0.1	0.8	15	<0.5	
I075158		5	28.5	7.5	178	3.1	1.560
I075159		4	15.3	7.5	1340	1.3	
I075160		8	88.2	6.8	3970	2.2	1.965
I075161		11	2.3	4.7	4270	11.7	
I075162		111	4.8	16.5	543	7.0	
I075163		165	0.3	17.4	85	14.6	
I075164		173	0.3	17.8	80	7.6	
I075165		179	0.4	15.5	83	11.9	
I075166		171	2.8	19.4	55	16.3	
I075167		171	4.9	13.6	33	23.6	
I075168		144	2.3	15.4	24	27.7	
I075169		133	1.6	12.3	18	21.2	
I075170		7	0.3	1.8	4	2.6	
I075171		6	0.6	2.3	4	1.3	
I075172		6	0.5	3.1	17	0.6	
I075173		2	0.1	0.8	15	<0.5	
I075174		32	0.8	10.3	248	28.9	
I075175		28	22.3	9.5	689	23.6	
I075176		3	0.4	3.0	42	2.9	
I075177		11	0.8	4.9	275	8.0	
I075178		27	3.2	9.3	5180	14.4	4.82
I075179		55	0.4	8.4	52	32.2	
I075180		1	0.4	4.2	1240	3.2	9.16
I075181		7	3.3	10.4	447	12.7	5.50
I075182		9	11.9	3.8	910	7.9	5.04
I075183		10	95.7	4.7	587	19.2	4.54
I075184		21	421	5.7	1020	35.8	1.380

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 8-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10083930

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7-JUL-2010
Account: RCM

CERTIFICATE VA10083931

Project: RAU (Grey Copper Hill)

P.O. No.: GCH

This report is for 150 Soil samples submitted to our lab in Vancouver, BC, Canada on 23-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-31	Pulverize split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
PUL-QC	Pulverizing QC Test
SCR-43	Screen to -500um, discard plus
SCR-01	Screen - Save plus fraction

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 7-JUL-2010
Account: RCM

Project: RAU (Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10083931

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC87221		0.30	0.002	0.3	0.64	12	<10	210	<0.5	4	13.5	0.5	7	9	16	1.55
CC87222		0.30	<0.001	3.2	0.51	21	<10	250	<0.5	<2	12.7	0.8	8	14	64	2.27
CC87223		0.26	0.008	2.6	1.42	26	<10	830	1.0	<2	3.95	7.3	10	30	97	2.46
CC87224		0.34	0.002	0.3	2.13	<2	<10	180	0.8	3	1.16	<0.5	22	51	23	4.68
CC87225		0.18	<0.001	0.3	4.37	2	<10	130	1.1	<2	1.82	<0.5	33	88	45	7.00
CC87226		0.26	<0.001	0.5	3.97	2	<10	160	1.1	2	1.59	0.5	24	65	34	6.15
CC87227		0.24	<0.001	0.5	4.54	<2	<10	140	1.2	3	1.32	0.5	26	73	31	7.05
CC87228		0.16	0.001	0.5	4.56	5	<10	120	1.5	<2	1.83	0.5	29	99	36	7.01
CC87229		0.34	<0.001	0.4	4.23	5	<10	200	1.1	2	1.40	0.5	29	72	41	6.62
CC87230		0.24	<0.001	0.5	3.42	3	<10	120	0.8	<2	0.80	<0.5	22	57	27	5.35
CC87231		0.22	0.001	0.5	2.05	8	<10	160	0.6	<2	0.25	0.5	12	31	26	4.04
CC87232		0.26	<0.001	0.4	3.05	<2	<10	220	0.6	3	0.97	<0.5	23	41	22	5.10
CC87233		0.26	<0.001	0.2	3.56	2	<10	150	0.5	<2	1.21	<0.5	40	245	26	5.23
CC87234		0.26	<0.001	0.4	4.11	<2	<10	100	<0.5	<2	1.12	<0.5	40	280	59	5.22
CC87235		0.24	<0.001	0.3	4.93	2	<10	190	<0.5	2	0.83	<0.5	44	316	145	4.86
CC87236		0.16	0.009	0.2	2.97	<2	<10	350	<0.5	<2	2.02	<0.5	31	226	118	3.48
CC87237		0.42	<0.001	0.2	2.86	4	<10	240	0.6	3	1.37	<0.5	26	68	138	4.68
CC87238		0.24	<0.001	0.2	3.03	3	<10	170	0.6	3	1.44	<0.5	24	111	49	4.11
CC87239		0.32	<0.001	0.2	3.74	3	<10	100	0.6	3	1.38	<0.5	32	98	37	5.60
CC87240		0.22	<0.001	0.2	2.52	6	<10	330	0.8	4	2.03	<0.5	20	71	58	3.54
CC87241		0.18	0.001	0.2	2.90	4	<10	490	0.5	3	1.64	<0.5	33	135	49	3.65
CC87242		0.28	<0.001	0.2	2.90	8	<10	310	0.6	3	1.41	<0.5	23	100	56	3.94
CC87243		0.20	0.002	0.3	2.27	4	<10	310	<0.5	4	2.29	<0.5	25	105	31	3.27
CC87244		0.22	0.001	0.3	1.25	7	<10	410	0.9	4	2.10	<0.5	8	20	38	2.07
CC87245		0.16	0.002	0.2	1.36	6	<10	390	0.6	3	2.42	<0.5	9	23	21	2.55
CC87246		0.26	<0.001	<0.2	2.20	9	<10	190	0.7	4	2.78	0.6	11	33	10	2.88
CC87247		0.30	<0.001	0.3	0.92	7	<10	100	<0.5	4	11.0	1.3	6	15	9	1.60
CC87248		0.26	<0.001	0.3	1.84	7	<10	170	0.6	3	6.45	2.0	7	26	8	2.23
CC87249		0.32	0.001	0.3	1.62	12	<10	140	0.6	3	1.91	<0.5	9	31	17	2.87
CC87250		0.18	0.002	0.3	1.61	12	<10	290	0.6	2	1.22	<0.5	10	29	24	2.76
CC87251		0.22	0.001	0.2	1.74	9	<10	220	0.6	4	1.47	<0.5	10	29	22	2.66
CC87252		0.22	0.001	0.2	1.80	11	<10	170	0.6	3	1.16	<0.5	9	34	15	3.16
CC87253		0.26	0.002	0.3	1.50	9	<10	150	0.5	3	3.23	<0.5	9	29	18	2.70
CC87254		0.24	0.002	0.3	1.54	11	<10	190	0.6	3	2.43	<0.5	11	28	23	2.75
CC87255		0.36	0.004	0.3	1.45	12	<10	170	0.5	3	3.16	<0.5	9	27	23	2.64
CC87256		0.26	0.002	0.4	1.45	7	<10	190	0.5	3	4.11	<0.5	10	26	25	2.61
CC87257		0.18	0.002	0.2	1.63	11	<10	200	0.5	3	1.87	<0.5	9	28	18	2.67
CC87258		0.24	0.001	0.2	1.53	11	<10	150	0.6	2	3.56	<0.5	10	29	19	2.80
CC87259		0.20	0.001	0.2	2.15	15	<10	210	0.8	3	1.42	<0.5	12	36	25	3.30
CC87260		0.28	0.001	0.2	1.91	11	<10	220	0.7	3	1.28	<0.5	11	33	18	3.10

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Finalized Date: 7-JUL-2010
Account: RCM

Project: RAU (Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10083931

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC87221		<10	<1	0.07	<10	9.03	940	9	0.02	15	460	63	0.04	4	1	62
CC87222		<10	<1	0.10	<10	8.28	1460	13	0.01	23	440	177	0.02	26	2	69
CC87223		<10	<1	0.34	20	1.99	437	34	0.01	83	1190	50	0.06	11	4	59
CC87224		10	<1	0.23	20	2.12	1020	<1	0.01	39	2040	10	0.02	<2	3	38
CC87225		20	1	0.17	20	4.14	1205	2	0.02	48	2090	35	0.07	<2	8	70
CC87226		20	<1	0.13	20	3.79	932	<1	0.01	29	1940	25	0.07	<2	6	65
CC87227		20	<1	0.15	30	4.32	1115	<1	0.02	29	2310	43	0.03	<2	7	56
CC87228		20	<1	0.28	20	4.27	1000	<1	0.02	34	1790	5	0.07	<2	8	84
CC87229		20	<1	0.12	10	3.49	1065	<1	0.02	34	1390	21	0.04	<2	6	48
CC87230		20	<1	0.09	10	2.33	703	1	0.02	29	890	50	0.05	<2	6	24
CC87231		10	<1	0.09	10	0.73	674	3	0.01	21	420	64	0.03	<2	4	14
CC87232		10	<1	0.27	10	2.69	857	<1	0.02	26	1740	21	0.02	2	4	34
CC87233		10	<1	0.20	10	4.71	791	<1	0.02	148	1790	3	0.02	<2	4	34
CC87234		10	<1	0.11	10	5.60	920	<1	0.02	161	1580	<2	0.01	<2	4	24
CC87235		10	<1	0.04	10	6.52	819	<1	0.01	137	400	4	0.02	<2	7	20
CC87236		10	<1	0.04	<10	3.75	571	<1	0.01	95	810	5	0.07	<2	3	42
CC87237		10	<1	0.11	10	3.29	696	1	0.03	44	1110	12	0.02	<2	4	32
CC87238		10	1	0.09	10	2.72	634	1	0.02	50	490	10	0.05	<2	5	29
CC87239		10	1	0.16	10	4.41	851	<1	0.02	51	1380	3	0.01	<2	5	31
CC87240		10	<1	0.10	10	2.02	903	1	0.02	38	1470	9	0.09	<2	4	30
CC87241		10	<1	0.10	10	3.58	984	1	0.02	75	940	9	0.06	<2	4	34
CC87242		10	1	0.05	10	2.33	777	1	0.03	50	430	11	0.03	<2	5	31
CC87243		10	<1	0.09	10	2.50	774	1	0.02	64	710	11	0.05	<2	4	41
CC87244		<10	<1	0.16	10	0.65	417	1	0.02	15	1470	14	0.08	<2	1	37
CC87245		<10	<1	0.14	20	0.66	471	1	0.03	15	1170	17	0.08	<2	2	42
CC87246		10	<1	0.08	10	1.97	771	1	0.03	18	260	44	0.02	<2	5	20
CC87247		<10	<1	0.09	10	6.21	575	<1	0.03	13	620	126	0.02	<2	2	52
CC87248		<10	<1	0.07	10	4.29	607	1	0.03	13	630	42	0.04	<2	3	26
CC87249		<10	1	0.10	20	1.18	372	1	0.03	21	520	29	0.03	<2	4	26
CC87250		<10	<1	0.11	10	0.60	503	1	0.03	22	650	32	0.05	<2	3	25
CC87251		10	1	0.10	10	0.57	441	1	0.03	24	680	42	0.05	<2	3	26
CC87252		<10	1	0.10	10	0.75	465	1	0.03	21	610	21	0.04	<2	3	22
CC87253		<10	<1	0.10	10	1.94	460	1	0.03	20	670	17	0.03	<2	3	33
CC87254		<10	1	0.09	10	1.18	604	1	0.03	24	740	32	0.04	<2	3	29
CC87255		<10	<1	0.09	10	1.83	533	1	0.03	22	710	20	0.03	<2	3	34
CC87256		<10	<1	0.09	10	1.68	734	1	0.03	20	860	19	0.05	<2	3	44
CC87257		<10	<1	0.09	10	0.60	403	1	0.03	19	640	18	0.06	<2	3	27
CC87258		<10	<1	0.10	20	1.73	648	1	0.03	21	710	22	0.03	<2	3	38
CC87259		10	1	0.13	20	0.91	718	1	0.03	31	510	31	0.03	<2	5	23
CC87260		10	<1	0.09	10	0.66	842	1	0.03	23	520	24	0.04	<2	4	22

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU (Grey Copper Hill)

Finalized Date: 7-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10083931

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC87221		<20	0.01	<10	<10	20	<10	185
CC87222		<20	0.01	<10	<10	22	<10	289
CC87223		<20	0.06	<10	<10	286	<10	895
CC87224		<20	0.36	<10	<10	56	<10	109
CC87225		<20	0.61	<10	<10	157	<10	175
CC87226		<20	0.36	<10	<10	126	<10	147
CC87227		<20	0.46	<10	<10	136	<10	184
CC87228		<20	0.47	<10	<10	158	<10	106
CC87229		<20	0.64	<10	<10	146	<10	137
CC87230		<20	0.55	<10	<10	139	<10	136
CC87231		<20	0.18	<10	<10	118	<10	98
CC87232		<20	0.44	<10	<10	72	<10	140
CC87233		<20	0.53	<10	<10	103	<10	77
CC87234		<20	0.56	<10	<10	117	<10	72
CC87235		<20	0.54	<10	<10	138	<10	75
CC87236		<20	0.25	<10	<10	68	<10	60
CC87237		<20	0.49	<10	<10	87	<10	83
CC87238		<20	0.33	<10	<10	85	<10	70
CC87239		<20	0.61	<10	<10	95	<10	88
CC87240		<20	0.08	<10	<10	55	<10	77
CC87241		<20	0.21	<10	<10	61	<10	81
CC87242		<20	0.28	<10	<10	90	<10	64
CC87243		<20	0.29	<10	<10	62	<10	63
CC87244		<20	0.04	<10	<10	29	<10	82
CC87245		<20	0.04	<10	<10	37	<10	81
CC87246		<20	0.05	<10	<10	61	<10	159
CC87247		<20	0.03	<10	<10	26	<10	211
CC87248		<20	0.03	<10	<10	50	<10	264
CC87249		<20	0.06	<10	<10	49	<10	108
CC87250		<20	0.04	<10	<10	48	<10	137
CC87251		<20	0.04	<10	<10	50	<10	193
CC87252		<20	0.05	<10	<10	55	<10	96
CC87253		<20	0.05	<10	<10	47	<10	79
CC87254		<20	0.05	<10	<10	47	<10	152
CC87255		<20	0.05	<10	<10	44	<10	95
CC87256		<20	0.04	<10	<10	42	<10	88
CC87257		<20	0.04	<10	<10	47	<10	82
CC87258		<20	0.06	<10	<10	47	<10	88
CC87259		<20	0.05	<10	<10	60	<10	125
CC87260		<20	0.05	<10	<10	55	<10	95

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Project: RAU (Grey Copper Hill)

Finalized Date: 7-JUL-2010
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CERTIFICATE OF ANALYSIS VA10083931

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC87501		0.20	0.002	<0.2	1.44	5	<10	120	0.6	2	2.50	<0.5	7	22	15	2.25
CC87502		0.22	0.001	0.3	1.79	9	<10	140	0.7	3	1.93	<0.5	8	26	14	2.74
CC87503		0.12	0.001	0.3	1.72	7	<10	190	0.6	3	2.87	0.9	8	26	17	2.91
CC87504		0.20	<0.001	0.2	1.77	9	<10	200	0.7	3	1.46	0.5	10	26	16	3.04
CC87505		0.22	<0.001	0.3	1.77	9	<10	180	0.7	3	2.50	<0.5	9	25	18	2.85
CC87506		0.20	<0.001	0.3	1.97	9	<10	230	0.8	3	1.14	<0.5	9	28	15	3.35
CC87507		0.44	0.001	0.2	1.92	10	<10	170	0.8	3	0.81	<0.5	11	29	20	3.45
CC87508		0.28	0.001	0.2	2.02	9	<10	250	0.7	3	1.68	0.5	12	32	25	2.91
CC87509		0.26	<0.001	0.2	2.25	6	<10	250	0.8	4	1.60	0.6	10	32	12	3.11
CC87510		0.18	0.001	0.2	1.97	9	<10	320	0.7	3	2.28	0.7	8	26	16	2.87
CC87511		0.14	<0.001	0.3	0.97	4	<10	240	<0.5	3	5.19	1.8	4	14	24	1.33
CC87512		0.20	<0.001	0.3	1.90	7	<10	180	0.7	3	1.60	<0.5	10	30	17	2.96
CC87513		0.20	<0.001	0.2	1.80	7	<10	180	0.7	3	1.33	0.5	9	27	13	3.04
CC87514		0.34	0.001	0.3	1.68	10	<10	220	0.6	3	1.71	0.5	10	27	20	2.87
CC87515		0.22	0.002	0.3	1.34	7	<10	140	0.5	3	5.00	<0.5	8	21	17	2.57
CC87516		0.18	<0.001	<0.2	1.82	7	<10	180	0.7	4	1.62	0.6	9	26	17	2.91
CC87517		0.24	<0.001	0.2	1.74	7	<10	190	0.7	3	1.32	<0.5	8	28	10	2.88
CC87518		0.20	0.002	0.3	1.32	6	<10	170	0.6	3	7.01	<0.5	7	19	16	2.18
CC87519		0.22	0.001	0.2	1.62	9	<10	190	0.7	2	3.24	0.8	8	25	16	2.65
CC87520		0.24	<0.001	0.3	0.66	5	<10	240	<0.5	3	18.6	<0.5	3	11	10	1.08
CC87521		0.24	<0.001	0.2	1.77	8	<10	320	0.7	3	3.45	<0.5	9	27	14	2.91
CC87522		0.32	0.001	0.3	1.31	7	<10	150	0.5	3	8.7	<0.5	8	18	16	2.34
CC87523		0.32	<0.001	0.3	1.30	7	<10	120	0.5	3	7.9	<0.5	8	19	15	2.46
CC87524		0.22	<0.001	0.3	0.98	13	<10	230	0.5	3	4.37	<0.5	8	13	13	3.02
CC87525		0.26	0.001	0.3	1.27	7	<10	210	0.6	4	3.17	<0.5	10	19	20	2.65
CC87526		0.22	0.001	0.3	1.34	6	<10	240	0.6	4	2.51	<0.5	10	24	12	2.57
CC87527		0.14	0.001	0.3	1.63	2	<10	140	0.6	4	2.75	0.8	12	36	20	3.11
CC87528		0.16	0.001	0.2	1.98	6	<10	140	0.5	5	0.49	0.5	14	47	19	3.93
CC87529		0.26	0.001	<0.2	2.93	6	<10	310	1.2	3	1.29	<0.5	18	30	36	4.97
CC87530		0.22	<0.001	0.3	2.19	5	<10	200	0.8	3	2.22	<0.5	14	21	26	3.90
CC88001		0.22	0.003	0.3	1.33	7	<10	120	0.6	2	3.50	<0.5	8	20	19	2.41
CC88002		0.20	0.002	0.2	1.45	8	<10	140	0.7	3	1.98	0.6	10	22	18	2.32
CC88003		0.26	0.006	0.3	1.60	10	<10	180	0.6	4	1.09	<0.5	10	27	19	2.88
CC88004		0.24	0.001	0.2	1.46	10	<10	210	0.6	4	1.28	<0.5	10	22	17	2.77
CC88005		0.30	0.001	0.2	1.45	9	<10	160	0.6	3	1.11	<0.5	9	23	14	2.82
CC88006		0.24	0.001	0.2	1.26	12	<10	170	0.5	3	1.88	<0.5	7	21	15	2.72
CC88007		0.32	0.004	0.3	1.48	13	<10	150	0.6	4	1.43	<0.5	10	26	19	2.87
CC88008		0.32	<0.001	0.4	1.70	9	<10	190	0.7	3	1.38	<0.5	11	28	20	3.07
CC88009		0.38	<0.001	0.3	1.53	13	<10	190	0.7	4	1.53	<0.5	11	27	18	3.14
CC88010		0.24	<0.001	0.3	1.72	9	<10	260	0.7	4	1.67	<0.5	9	24	19	2.65

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Project: RAU (Grey Copper Hill)

Finalized Date: 7-JUL-2010
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CERTIFICATE OF ANALYSIS VA10083931

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC87501		<10	<1	0.09	10	0.49	837	1	0.03	15	960	11	0.12	<2	2	28
CC87502		<10	1	0.09	10	0.66	728	2	0.03	20	660	13	0.06	<2	3	25
CC87503		<10	<1	0.12	10	0.62	898	1	0.04	18	730	12	0.08	<2	2	36
CC87504		<10	1	0.11	20	0.72	973	1	0.03	19	520	17	0.05	<2	3	24
CC87505		<10	<1	0.10	10	0.96	626	1	0.03	22	570	15	0.05	<2	3	28
CC87506		10	1	0.13	20	0.63	588	1	0.03	18	550	15	0.05	<2	4	21
CC87507		10	1	0.11	20	0.82	536	1	0.02	22	880	11	0.02	<2	4	25
CC87508		10	<1	0.10	10	0.72	760	1	0.02	19	1640	10	0.14	<2	2	27
CC87509		10	1	0.09	10	0.73	1330	1	0.03	19	510	16	0.04	<2	3	26
CC87510		10	<1	0.08	10	0.52	762	1	0.03	17	540	16	0.05	<2	3	25
CC87511		<10	<1	0.07	10	0.30	880	2	0.03	11	1410	8	0.17	<2	1	47
CC87512		10	<1	0.11	20	0.91	596	1	0.03	23	480	15	0.03	<2	4	29
CC87513		<10	1	0.09	10	0.46	769	1	0.02	19	480	19	0.05	<2	3	23
CC87514		<10	1	0.10	10	0.64	751	1	0.02	21	630	14	0.04	<2	3	28
CC87515		<10	<1	0.12	10	1.10	546	1	0.02	16	940	14	0.08	<2	2	52
CC87516		<10	<1	0.10	10	0.62	1035	1	0.03	20	590	20	0.06	<2	3	25
CC87517		<10	<1	0.10	20	0.69	571	1	0.02	19	370	17	0.03	<2	4	21
CC87518		<10	1	0.09	10	1.47	447	3	0.03	17	1060	13	0.09	<2	1	67
CC87519		<10	<1	0.12	10	0.86	691	2	0.02	20	590	19	0.06	<2	3	35
CC87520		<10	<1	0.06	<10	2.56	244	2	0.03	9	650	7	<0.01	<2	1	113
CC87521		<10	<1	0.14	10	0.96	699	1	0.02	20	580	25	0.05	<2	3	31
CC87522		<10	<1	0.11	10	1.76	499	1	0.02	16	800	17	0.05	<2	2	83
CC87523		<10	<1	0.11	10	1.42	445	1	0.02	18	750	18	0.05	<2	2	73
CC87524		<10	1	0.13	20	1.09	1070	1	0.01	16	1060	11	0.12	<2	2	53
CC87525		<10	1	0.14	10	0.95	727	1	0.02	16	1290	9	0.12	<2	2	41
CC87526		<10	1	0.15	10	0.79	789	<1	0.02	18	1480	5	0.13	<2	2	46
CC87527		<10	<1	0.12	10	1.23	948	1	0.02	17	1380	6	0.13	<2	2	41
CC87528		10	<1	0.13	10	1.07	535	1	0.02	21	690	6	0.05	<2	2	23
CC87529		10	1	0.08	20	1.41	1015	1	0.02	16	1140	9	0.04	<2	3	38
CC87530		10	1	0.12	10	1.13	1155	1	0.02	11	1500	7	0.10	<2	2	45
CC88001		<10	1	0.10	10	1.53	492	2	0.03	21	970	17	0.10	<2	2	34
CC88002		<10	<1	0.09	10	0.54	1615	3	0.02	20	1060	11	0.15	<2	1	24
CC88003		<10	1	0.08	10	0.61	647	1	0.03	22	760	13	0.07	<2	2	20
CC88004		<10	1	0.11	10	0.49	696	2	0.01	22	710	14	0.08	<2	2	17
CC88005		<10	1	0.08	10	0.48	621	2	0.01	21	580	12	0.06	<2	2	16
CC88006		<10	<1	0.10	10	0.56	449	2	0.02	20	700	14	0.08	<2	2	21
CC88007		<10	<1	0.09	20	0.89	573	1	0.03	21	450	18	0.03	<2	3	22
CC88008		<10	<1	0.09	20	0.92	639	1	0.02	23	680	19	0.05	<2	3	21
CC88009		<10	<1	0.10	20	1.05	648	1	0.02	23	480	21	0.04	<2	4	21
CC88010		<10	1	0.08	10	0.54	896	1	0.02	20	1260	17	0.13	<2	2	24

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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC87501		<20	0.03	<10	<10	37	<10	67
CC87502		<20	0.04	<10	<10	47	<10	88
CC87503		<20	0.04	<10	<10	44	<10	82
CC87504		<20	0.05	<10	<10	48	<10	78
CC87505		<20	0.05	<10	<10	45	<10	79
CC87506		<20	0.06	<10	<10	52	<10	77
CC87507		<20	0.12	<10	<10	51	<10	78
CC87508		<20	0.03	<10	<10	52	<10	82
CC87509		<20	0.05	<10	<10	60	<10	89
CC87510		<20	0.05	<10	<10	51	<10	93
CC87511		<20	0.02	<10	<10	18	<10	129
CC87512		<20	0.06	<10	<10	53	<10	78
CC87513		<20	0.05	<10	<10	51	<10	82
CC87514		<20	0.04	<10	<10	48	<10	79
CC87515		<20	0.04	<10	<10	35	<10	77
CC87516		<20	0.05	<10	<10	47	<10	113
CC87517		<20	0.05	<10	<10	49	<10	71
CC87518		<20	0.02	<10	<10	32	<10	129
CC87519		<20	0.04	<10	<10	44	<10	111
CC87520		<20	0.01	<10	<10	15	<10	85
CC87521		<20	0.05	<10	<10	46	<10	153
CC87522		<20	0.05	<10	<10	33	<10	138
CC87523		<20	0.03	<10	<10	31	<10	99
CC87524		<20	0.01	<10	<10	19	<10	84
CC87525		<20	0.04	<10	<10	28	<10	60
CC87526		<20	0.07	<10	<10	27	<10	78
CC87527		<20	0.11	<10	<10	60	<10	67
CC87528		<20	0.31	<10	<10	83	<10	64
CC87529		<20	0.20	<10	<10	93	<10	83
CC87530		<20	0.16	<10	<10	101	<10	69
CC88001		<20	0.03	<10	<10	36	<10	107
CC88002		<20	0.02	<10	<10	36	<10	151
CC88003		<20	0.04	<10	<10	47	<10	85
CC88004		<20	0.03	<10	<10	37	<10	108
CC88005		<20	0.03	<10	<10	39	<10	88
CC88006		<20	0.02	<10	<10	36	<10	88
CC88007		<20	0.05	<10	<10	47	<10	80
CC88008		<20	0.04	<10	<10	50	<10	88
CC88009		<20	0.04	<10	<10	48	<10	80
CC88010		<20	0.02	<10	<10	43	<10	92

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7-JUL-2010
Account: RCM

Project: RAU (Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10083931

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC88011		0.28	0.005	0.3	1.14	9	<10	120	<0.5	3	6.10	0.5	7	19	15	2.12
CC88012		0.34	<0.001	0.3	0.94	8	<10	180	<0.5	3	11.3	<0.5	6	15	14	1.77
CC88013		0.32	0.003	0.4	1.13	9	<10	130	0.5	3	13.8	<0.5	10	15	14	2.94
CC88014		0.26	0.008	0.3	1.59	16	<10	180	0.8	3	1.84	<0.5	16	18	18	4.41
CC88015		0.30	<0.001	0.4	2.94	5	<10	220	0.6	4	1.64	<0.5	29	61	50	5.71
CC88016		0.28	<0.001	0.2	3.55	3	<10	150	0.9	4	1.08	<0.5	25	46	31	6.19
CC88017		0.34	<0.001	0.2	4.99	5	<10	190	1.4	4	1.03	<0.5	34	102	40	7.29
CC88018		0.24	<0.001	0.2	4.45	5	<10	150	1.1	<2	1.04	<0.5	34	283	44	6.86
CC88019		0.30	<0.001	0.2	1.63	13	<10	280	2.2	3	0.27	0.7	14	29	22	3.70
CC88020		0.22	<0.001	0.2	1.48	8	<10	320	1.3	4	0.24	1.0	12	27	16	3.52
CC88021		0.20	<0.001	0.3	1.78	10	<10	250	1.3	4	0.86	1.7	8	28	12	3.20
CC88022		0.24	<0.001	<0.2	1.39	11	<10	230	0.7	3	0.27	1.5	7	23	12	3.26
CC88023		0.20	<0.001	0.3	1.73	11	<10	300	2.0	3	0.52	0.9	12	27	15	3.35
CC88024		0.20	<0.001	<0.2	1.83	8	<10	280	0.8	4	0.44	<0.5	7	31	13	3.45
CC88025		0.24	<0.001	0.2	1.43	10	<10	280	1.7	3	0.51	0.5	7	22	16	4.11
CC88026		0.24	<0.001	<0.2	1.80	8	<10	250	1.1	4	0.10	0.6	8	28	12	3.82
CC88027		0.30	<0.001	<0.2	1.58	10	<10	410	0.8	4	0.50	0.7	8	27	10	3.18
CC88028		0.32	0.007	<0.2	1.93	11	<10	320	3.7	3	0.16	0.8	11	20	24	4.56
CC88029		0.30	<0.001	0.3	1.11	10	<10	400	1.3	3	0.44	1.1	11	19	16	2.96
CC88030		0.26	0.006	0.4	2.04	15	<10	340	2.6	3	0.22	1.8	14	28	27	4.78
CC88031		0.32	0.009	0.3	1.54	14	<10	330	3.3	3	0.23	<0.5	9	21	27	4.46
CC88032		0.30	<0.001	<0.2	1.83	14	<10	380	3.2	3	0.17	0.6	11	25	28	4.09
CC88033		0.28	0.003	<0.2	1.86	11	<10	240	2.4	3	0.12	0.5	10	27	16	3.90
CC88034		0.26	0.002	1.4	0.93	21	<10	100	1.2	2	8.7	3.6	3	23	70	1.22
CC88035		0.30	0.001	1.1	1.23	15	<10	200	1.5	2	1.71	3.2	7	28	39	2.18
CC88036		0.30	<0.001	1.5	0.78	18	<10	170	1.8	3	0.71	2.1	5	12	30	2.46
CC88037		0.28	<0.001	1.0	1.89	18	<10	240	0.9	4	0.31	1.3	9	33	27	3.07
CC88038		0.32	<0.001	0.3	1.70	22	<10	260	0.5	4	0.28	0.8	13	30	17	3.33
CC88039		0.26	<0.001	0.2	1.70	23	<10	200	0.6	3	0.25	0.8	8	31	22	3.28
CC88040		0.26	0.001	0.2	1.70	18	<10	260	0.6	4	0.45	1.0	12	30	17	3.18
CC88041		0.24	0.002	0.2	1.77	11	<10	220	0.6	4	0.42	<0.5	13	43	14	3.56
CC88042		0.20	<0.001	0.2	1.37	11	<10	180	0.7	3	1.34	<0.5	19	69	33	4.18
CC88043		0.26	<0.001	0.3	2.08	9	<10	240	0.6	3	0.60	<0.5	14	62	21	3.56
CC88044		0.24	0.001	<0.2	1.89	35	<10	240	0.9	3	0.66	<0.5	15	46	23	3.82
CC88045		0.20	<0.001	0.3	0.77	17	<10	110	0.5	3	12.9	<0.5	6	17	10	2.33
CC88046		0.22	<0.001	0.4	0.70	19	<10	90	<0.5	3	11.8	<0.5	7	19	11	1.98
CC88047		0.16	<0.001	0.3	1.78	26	<10	200	0.8	2	3.31	0.9	11	26	17	3.75
CC88048		0.22	<0.001	0.3	2.13	6	<10	330	0.5	3	0.38	<0.5	19	93	14	4.52
CC88049		0.28	<0.001	0.5	2.15	11	<10	260	0.9	4	0.59	<0.5	20	86	30	4.88
CC88050		0.20	<0.001	0.3	2.14	9	<10	260	0.6	3	0.50	<0.5	17	87	23	4.29

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Project: RAU (Grey Copper Hill)

Finalized Date: 7-JUL-2010
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CERTIFICATE OF ANALYSIS VA10083931

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC88011		<10	<1	0.07	10	0.84	530	1	0.02	15	650	11	0.07	<2	2	32
CC88012		<10	<1	0.08	10	2.36	416	2	0.03	13	590	8	0.05	<2	1	84
CC88013		<10	<1	0.24	10	0.71	451	1	0.02	21	590	17	0.02	<2	3	62
CC88014		<10	<1	0.24	30	0.77	820	2	0.02	23	1390	17	0.07	<2	3	30
CC88015		10	1	0.36	10	2.41	1085	<1	0.02	39	1720	4	0.05	<2	6	70
CC88016		10	1	1.11	20	2.71	1265	1	0.02	30	2590	7	0.03	<2	6	46
CC88017		20	1	0.80	20	5.91	907	1	0.02	53	2670	5	0.03	<2	12	73
CC88018		10	1	0.16	10	4.80	1650	1	0.02	132	860	8	0.04	<2	13	34
CC88019		10	<1	0.13	20	0.46	2160	4	0.01	22	810	22	0.05	<2	2	19
CC88020		10	<1	0.15	10	0.39	2020	1	0.01	16	980	16	0.08	<2	1	17
CC88021		10	<1	0.10	20	0.52	825	<1	0.01	16	1200	18	0.09	<2	2	22
CC88022		10	<1	0.10	20	0.33	1170	1	0.01	11	480	16	0.04	<2	2	16
CC88023		10	1	0.10	30	0.41	2240	1	0.01	18	950	18	0.07	<2	2	20
CC88024		10	<1	0.09	10	0.53	592	<1	0.01	17	980	16	0.07	<2	2	15
CC88025		10	<1	0.13	20	0.40	2280	3	0.01	13	900	13	0.08	<2	2	25
CC88026		10	1	0.07	20	0.37	849	1	0.01	16	390	16	0.03	<2	3	11
CC88027		10	<1	0.13	10	0.49	606	<1	0.01	16	520	17	0.04	<2	3	16
CC88028		10	1	0.12	30	0.41	2640	1	0.02	16	1140	20	0.09	<2	2	23
CC88029		10	1	0.08	20	0.24	1450	1	0.01	13	1180	15	0.09	<2	1	26
CC88030		10	1	0.10	20	0.48	2260	3	0.02	21	620	25	0.03	<2	4	23
CC88031		10	1	0.09	40	0.45	1280	7	0.02	19	830	25	0.04	<2	4	22
CC88032		10	<1	0.11	40	0.55	1505	2	0.02	25	770	28	0.04	<2	3	14
CC88033		10	<1	0.09	30	0.44	1205	3	0.01	19	430	17	0.02	<2	3	13
CC88034		<10	<1	0.13	30	0.97	451	20	0.01	62	440	18	0.02	4	2	209
CC88035		<10	1	0.11	30	0.41	1230	15	0.01	45	1470	14	0.12	4	2	42
CC88036		<10	<1	0.12	70	0.24	1020	25	0.01	45	1100	25	0.06	5	2	19
CC88037		10	1	0.14	20	0.59	668	18	0.01	35	860	16	0.04	2	2	18
CC88038		10	<1	0.07	10	0.48	1380	11	0.01	23	510	28	0.03	2	1	13
CC88039		10	1	0.07	10	0.51	607	9	0.01	28	720	38	0.03	3	1	14
CC88040		10	<1	0.07	10	0.55	1145	2	0.01	22	1090	56	0.05	2	2	15
CC88041		10	<1	0.10	20	0.78	908	<1	0.02	26	1170	15	0.03	<2	2	21
CC88042		<10	<1	0.18	20	1.34	810	<1	0.02	46	1880	21	0.09	<2	3	54
CC88043		10	1	0.12	20	1.33	424	<1	0.02	36	1300	8	0.04	<2	4	28
CC88044		10	1	0.11	20	0.95	1090	2	0.02	35	1140	33	0.06	2	3	19
CC88045		<10	<1	0.08	10	7.98	862	2	0.02	15	810	29	0.03	<2	1	48
CC88046		<10	<1	0.07	10	7.07	643	1	0.02	14	720	21	0.04	<2	1	46
CC88047		<10	<1	0.12	20	2.18	1505	2	0.02	24	1060	40	0.06	<2	2	23
CC88048		10	<1	0.18	20	1.53	1035	<1	0.02	46	840	22	0.03	<2	4	22
CC88049		10	1	0.17	30	1.63	891	<1	0.02	53	1600	14	0.01	2	6	34
CC88050		10	<1	0.16	20	1.50	685	<1	0.02	45	1180	10	0.02	<2	5	25

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CERTIFICATE OF ANALYSIS VA10083931

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC88011		<20	0.03	<10	<10	33	<10	79
CC88012		<20	0.02	<10	<10	27	<10	60
CC88013		<20	0.02	<10	<10	23	<10	71
CC88014		<20	0.02	<10	<10	28	<10	101
CC88015		<20	0.37	<10	<10	134	<10	84
CC88016		<20	0.27	<10	<10	109	<10	116
CC88017		<20	0.20	<10	<10	178	<10	90
CC88018		<20	0.54	<10	<10	191	<10	110
CC88019		<20	0.05	<10	<10	60	<10	162
CC88020		<20	0.05	<10	<10	58	<10	147
CC88021		<20	0.03	<10	<10	51	<10	235
CC88022		<20	0.06	<10	<10	68	<10	141
CC88023		<20	0.04	<10	<10	54	<10	135
CC88024		<20	0.03	<10	<10	60	<10	143
CC88025		<20	0.03	<10	<10	42	<10	110
CC88026		<20	0.08	<10	<10	75	<10	103
CC88027		<20	0.05	<10	<10	59	<10	144
CC88028		<20	0.07	<10	<10	33	<10	155
CC88029		<20	0.05	<10	<10	53	<10	127
CC88030		<20	0.11	<10	<10	61	<10	165
CC88031		<20	0.08	<10	<10	47	<10	187
CC88032		<20	0.06	<10	<10	48	<10	133
CC88033		<20	0.08	<10	<10	64	<10	119
CC88034		<20	0.04	<10	<10	283	<10	450
CC88035		<20	0.02	<10	<10	127	<10	283
CC88036		<20	0.01	<10	<10	81	<10	396
CC88037		<20	0.03	<10	<10	159	<10	253
CC88038		<20	0.04	<10	<10	112	<10	168
CC88039		<20	0.03	<10	<10	87	<10	195
CC88040		<20	0.03	<10	<10	62	<10	215
CC88041		<20	0.04	<10	<10	58	<10	91
CC88042		<20	0.08	<10	<10	52	<10	107
CC88043		<20	0.07	<10	<10	67	<10	84
CC88044		<20	0.04	<10	<10	60	<10	140
CC88045		<20	0.02	<10	<10	30	<10	97
CC88046		<20	0.03	<10	<10	26	<10	95
CC88047		<20	0.03	<10	<10	52	<10	203
CC88048		<20	0.07	<10	<10	84	<10	98
CC88049		<20	0.08	<10	<10	76	<10	95
CC88050		<20	0.07	<10	<10	78	<10	101

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Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
Sample Description LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC88051	0.22	<0.001	<0.2	1.95	12	<10	270	0.6	3	0.33	<0.5	14	69	21	4.18
CC88052	0.18	0.003	<0.2	1.58	11	<10	130	<0.5	3	0.12	<0.5	11	43	19	3.59
CC88053	0.28	<0.001	0.2	1.74	18	<10	160	0.7	4	0.09	1.4	5	26	25	3.96
CC88054	0.20	<0.001	<0.2	1.32	7	<10	90	0.6	2	0.07	<0.5	3	13	10	3.48
CC88055	0.28	<0.001	0.6	1.68	12	<10	140	0.6	<2	0.29	<0.5	13	58	24	5.74
CC88056	0.16	<0.001	0.4	1.72	13	<10	270	1.1	<2	0.44	1.0	9	34	20	5.88
CC88057	0.20	<0.001	0.3	1.90	10	<10	250	0.8	<2	0.22	<0.5	10	33	13	3.10
CC88058	0.16	<0.001	0.4	1.97	7	<10	160	0.6	<2	0.25	<0.5	9	33	14	3.45
CC88059	0.20	<0.001	0.3	2.19	9	<10	290	0.7	<2	0.82	<0.5	13	34	12	4.48
CC88060	0.28	0.001	0.3	1.85	11	<10	180	0.7	<2	1.44	0.5	14	30	20	4.01
CC88061	0.26	<0.001	0.4	2.69	8	<10	220	1.0	<2	0.89	<0.5	18	50	16	5.29
CC88062	0.22	<0.001	0.2	2.65	7	<10	180	0.9	<2	0.94	<0.5	18	40	22	5.12
CC88063	0.20	<0.001	0.4	3.10	9	<10	220	1.2	<2	0.79	0.5	20	39	20	5.82
CC88064	0.20	0.003	<0.2	3.26	8	<10	150	1.0	<2	0.65	<0.5	21	45	17	5.60
CC88065	0.26	<0.001	<0.2	4.02	6	<10	170	1.2	<2	0.79	<0.5	25	50	16	6.74
CC88066	0.22	<0.001	0.3	1.63	8	<10	220	0.7	<2	3.60	<0.5	9	27	16	2.90
CC88067	0.22	<0.001	0.3	2.03	7	<10	240	0.8	<2	0.63	<0.5	11	32	18	3.43
CC88068	0.22	<0.001	0.4	2.98	5	<10	230	1.0	<2	1.62	1.1	20	41	20	5.19
CC88069	0.34	<0.001	0.3	2.11	9	<10	180	0.8	<2	2.59	<0.5	13	38	25	3.92
CC88070	0.18	<0.001	0.5	3.19	7	<10	250	1.0	<2	1.30	<0.5	20	45	19	5.47
CC88071	0.22	<0.001	0.4	2.70	11	<10	260	0.8	<2	0.78	0.5	21	41	18	4.68
CC88072	0.20	<0.001	<0.2	2.50	7	<10	170	0.7	<2	0.47	<0.5	15	40	16	4.21
CC88073	0.18	<0.001	0.3	2.80	7	<10	240	0.8	<2	0.89	<0.5	17	42	17	4.29
CC88074	0.16	0.001	0.2	1.71	10	<10	190	0.6	<2	0.86	<0.5	10	28	17	2.99
CC88075	0.16	<0.001	0.3	1.43	9	<10	190	0.5	<2	1.05	<0.5	9	26	14	2.73
CC88076	0.16	<0.001	0.2	1.88	16	<10	260	0.7	<2	1.25	<0.5	11	31	13	3.29
CC88077	0.16	<0.001	0.2	1.43	5	<10	340	0.5	<2	2.21	0.8	8	20	12	2.57
CC88078	0.22	0.001	0.5	1.97	11	<10	290	0.8	<2	1.51	<0.5	11	30	29	3.15
CC88079	0.12	<0.001	0.3	1.65	10	<10	240	0.6	<2	1.93	<0.5	8	24	16	2.67
CC88080	0.24	0.003	0.3	1.54	11	<10	180	0.7	<2	2.75	<0.5	10	23	16	3.19

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7-JUL-2010
Account: RCM

Project: RAU (Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10083931

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC88051		10	1	0.12	20	1.04	771	5	0.02	37	1030	17	0.04	<2	3	25
CC88052		10	<1	0.13	20	0.78	554	4	0.01	25	470	12	0.02	<2	3	12
CC88053		10	<1	0.14	40	0.36	521	8	0.01	20	500	26	0.02	<2	3	12
CC88054		10	1	0.22	70	0.22	701	4	0.01	5	460	26	0.02	<2	2	8
CC88055		10	<1	0.30	40	0.90	921	5	0.02	33	1610	30	0.23	<2	4	39
CC88056		10	<1	0.33	30	0.58	760	7	0.03	20	1270	48	0.54	<2	3	43
CC88057		10	1	0.08	20	0.60	508	1	0.01	18	650	14	0.04	<2	3	18
CC88058		10	<1	0.08	20	0.81	391	1	0.01	18	900	14	0.02	2	4	21
CC88059		10	<1	0.15	20	1.31	1180	2	0.02	17	1330	18	0.08	<2	4	30
CC88060		10	1	0.14	20	1.71	848	2	0.02	20	1360	17	0.05	<2	5	42
CC88061		10	<1	0.15	20	1.90	1065	2	0.02	26	1540	15	0.04	<2	5	46
CC88062		10	<1	0.16	20	1.91	1085	1	0.02	27	1740	11	0.03	<2	7	60
CC88063		10	<1	0.22	30	2.12	1155	3	0.02	27	1910	25	0.06	<2	6	58
CC88064		10	1	0.12	20	2.07	1075	1	0.02	24	810	13	0.04	<2	6	33
CC88065		10	<1	0.12	20	3.01	1230	<1	0.02	23	1190	12	0.03	2	8	50
CC88066		10	1	0.10	20	2.19	577	1	0.02	20	870	17	0.04	<2	4	35
CC88067		10	1	0.09	20	0.73	753	<1	0.01	19	790	19	0.04	<2	4	21
CC88068		10	<1	0.17	20	2.68	969	<1	0.02	22	1610	10	0.07	2	6	66
CC88069		10	<1	0.12	20	2.52	692	1	0.02	23	1250	14	0.03	<2	5	50
CC88070		10	<1	0.09	10	2.51	924	<1	0.02	24	1760	10	0.08	2	7	65
CC88071		10	1	0.10	20	1.82	1430	<1	0.02	23	1000	15	0.04	<2	6	40
CC88072		10	<1	0.09	20	1.59	616	<1	0.01	20	770	10	0.03	2	5	30
CC88073		10	<1	0.09	20	1.72	915	<1	0.02	22	1380	11	0.07	<2	5	39
CC88074		<10	<1	0.09	20	0.64	569	<1	0.02	19	860	18	0.06	<2	3	25
CC88075		<10	<1	0.09	10	0.54	485	<1	0.02	18	870	16	0.06	<2	3	27
CC88076		<10	1	0.10	20	0.84	641	<1	0.02	22	540	32	0.04	<2	4	24
CC88077		<10	<1	0.06	10	0.28	928	1	0.01	10	1220	17	0.14	<2	1	29
CC88078		10	<1	0.09	20	0.70	751	<1	0.02	23	1170	20	0.10	<2	2	26
CC88079		10	1	0.10	10	0.46	668	<1	0.02	16	1140	20	0.13	<2	2	27
CC88080		10	<1	0.09	20	1.51	793	1	0.02	20	540	22	0.05	<2	3	26

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Finalized Date: 7-JUL-2010
Account: RCM

Project: RAU (Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10083931

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC88051		<20	0.05	<10	<10	104	<10	151
CC88052		<20	0.08	<10	<10	77	<10	110
CC88053		<20	0.07	<10	<10	85	<10	217
CC88054		<20	0.05	<10	<10	39	<10	167
CC88055		<20	0.09	<10	<10	57	<10	133
CC88056		<20	0.04	<10	<10	41	<10	189
CC88057		<20	0.07	<10	<10	57	<10	111
CC88058		<20	0.16	<10	<10	73	<10	77
CC88059		<20	0.15	<10	<10	108	<10	129
CC88060		<20	0.22	<10	<10	80	<10	121
CC88061		<20	0.37	<10	<10	101	<10	125
CC88062		<20	0.44	<10	<10	102	<10	89
CC88063		<20	0.42	<10	<10	116	<10	135
CC88064		<20	0.55	<10	<10	124	<10	102
CC88065		<20	0.69	<10	<10	153	<10	115
CC88066		<20	0.07	<10	<10	51	<10	76
CC88067		<20	0.08	<10	<10	65	<10	86
CC88068		<20	0.32	<10	<10	112	<10	164
CC88069		<20	0.24	<10	<10	86	<10	107
CC88070		<20	0.30	<10	<10	121	<10	99
CC88071		<20	0.34	<10	<10	104	<10	107
CC88072		<20	0.30	<10	<10	94	<10	78
CC88073		<20	0.20	<10	<10	88	<10	96
CC88074		<20	0.06	<10	<10	51	<10	83
CC88075		<20	0.06	<10	<10	47	<10	101
CC88076		<20	0.06	<10	<10	56	<10	89
CC88077		<20	0.02	<10	<10	42	<10	125
CC88078		<20	0.03	<10	<10	50	<10	81
CC88079		<20	0.02	<10	<10	43	<10	148
CC88080		<20	0.04	<10	<10	44	<10	89

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
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Finalized Date: 6-JUL-2010
Account: RCM

CERTIFICATE VA10083932

Project: RAU

P.O. No.: BATCH 15

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 23-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Project: RAU

Finalized Date: 6-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10083932

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA26 Au ppm 0.01	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 5	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
I075005		4.72	0.02	0.02	0.10	12	90	0.18	0.21	19.20	0.46	2.38	0.8	2	0.21	11.9
I075006		6.36	0.01	0.04	0.58	15	720	0.44	0.97	17.65	0.20	4.87	2.9	16	0.69	4.2
I075007		7.38	0.01	0.02	0.04	<5	40	0.13	0.15	18.40	0.06	1.18	0.6	<1	0.10	1.5
I075008		8.18	0.01	0.05	0.11	<5	90	0.21	0.31	18.85	0.16	2.13	0.9	1	0.16	1.4
I075009		7.72	0.03	0.35	0.57	20	590	0.38	3.92	18.30	0.30	7.23	4.4	10	0.53	4.1
I075010		7.02	0.08	0.11	1.35	120	110	0.78	7.10	15.75	0.50	15.45	8.8	27	1.37	5.1
I075011		0.28	2.06	0.29	0.24	>10000	20	0.09	257	13.05	0.18	14.55	2.2	4	1.08	25.0
I075012		5.76	0.04	0.25	0.10	125	80	0.12	3.58	19.45	0.91	27.6	1.2	7	0.11	3.9
I075013		6.56	<0.01	0.04	0.03	11	40	0.14	0.39	19.35	0.08	1.60	0.7	2	0.05	1.1
I075014		5.34	<0.01	0.04	0.03	8	120	0.15	0.26	17.25	0.27	1.65	0.6	<1	<0.05	1.2
I075015		7.60	<0.01	0.03	0.02	<5	50	0.12	0.18	16.65	0.30	2.54	0.5	4	0.07	1.1
I075016		6.66	0.03	2.08	0.52	607	70	0.15	264	12.10	2.03	6.56	6.4	5	0.07	9.3
I075017		4.40	0.02	9.74	0.09	945	60	0.07	51.6	12.35	10.00	4.37	3.1	12	<0.05	7.1
I075018		5.30	<0.01	0.02	0.06	<5	20	0.06	0.27	19.85	0.08	1.25	1.3	<1	0.17	3.8
I075019		6.24	0.02	10.20	0.71	155	20	0.26	34.6	15.35	53.9	12.95	4.3	16	0.13	19.9
I075020		7.18	<0.01	0.07	0.11	10	130	0.19	0.64	18.95	0.46	2.92	1.0	<1	0.23	1.6
I075021		7.80	<0.01	0.09	0.12	5	140	0.21	1.15	19.60	0.28	2.26	1.3	<1	0.16	2.1
I075022		4.64	<0.01	0.09	0.16	14	250	0.27	1.19	19.25	0.58	2.40	1.4	<1	0.25	2.8
I075023		6.06	0.01	0.26	0.19	134	220	0.25	2.20	18.20	0.70	2.44	3.3	5	0.27	3.4
I075024		7.74	<0.01	0.26	0.23	23	2500	0.24	1.72	19.05	6.61	2.34	1.5	1	0.36	3.7
I075025		8.16	0.01	0.42	0.27	27	390	0.33	3.10	18.95	2.99	3.69	1.8	3	0.43	4.2
I075026		7.98	<0.01	0.24	0.11	21	3160	0.15	0.96	20.1	15.90	2.46	1.5	<1	0.18	4.4
I075027		7.86	<0.01	0.04	0.06	10	80	0.13	0.85	19.95	1.23	2.46	1.1	2	0.13	3.0
I075028		3.60	<0.01	0.07	0.11	9	120	0.20	0.58	19.85	2.51	3.13	1.0	1	0.18	2.6
I075029		8.04	0.01	0.12	0.57	43	200	0.27	3.53	19.15	0.26	10.60	3.5	13	0.21	10.1
I075030		0.28	0.46	1.53	0.13	4980	50	0.09	65.1	15.95	2.21	14.90	1.6	3	0.35	19.1
I075031		8.26	0.01	0.11	0.18	69	70	0.16	2.33	19.45	0.20	4.70	2.1	3	0.09	3.6
I075032		6.36	<0.01	0.11	0.10	21	30	0.16	1.71	19.60	0.24	3.10	1.4	2	0.07	2.3
I075033		4.40	0.02	0.69	0.04	216	30	<0.05	40.4	17.10	2.49	108.5	4.0	<1	0.38	3.0
I075034		5.08	<0.01	0.01	0.07	<5	10	<0.05	0.10	20.5	0.04	1.22	1.0	<1	0.18	2.0
I075035		5.24	0.04	12.15	0.03	1020	30	<0.05	172.0	10.15	5.39	>500	11.1	1	0.24	15.4
I075036		7.68	0.01	0.30	0.07	108	20	0.09	7.16	18.00	0.96	4.91	2.7	4	0.07	2.2
I075037		7.96	<0.01	0.14	0.11	36	240	0.10	1.45	19.65	1.22	5.32	1.3	<1	0.05	2.1
I075038		3.76	0.01	0.12	0.11	33	200	0.16	1.72	19.05	0.85	3.37	1.4	3	0.05	2.4
I075039		7.90	0.01	0.07	0.13	<5	50	0.20	1.36	20.0	0.28	3.61	1.5	1	0.15	2.5
I075040		7.96	<0.01	0.16	0.15	15	120	0.26	2.07	19.00	0.85	4.07	1.4	6	0.23	2.5

***** See Appendix Page for comments regarding this certificate *****

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Project: RAU

Finalized Date: 6-JUL-2010
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CERTIFICATE OF ANALYSIS VA10083932

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I075005		0.37	0.45	0.08	0.1	0.010	0.03	1.4	4.2	11.55	364	0.37	0.01	0.3	1.1	100
I075006		0.49	1.63	0.07	0.4	0.006	0.24	2.3	7.5	10.70	386	0.73	0.03	1.8	12.7	340
I075007		0.16	0.28	0.12	<0.1	<0.005	0.01	0.7	4.5	10.95	284	0.13	0.01	0.1	0.5	20
I075008		0.23	0.56	0.13	0.1	<0.005	0.03	1.2	4.1	11.35	385	0.46	0.02	0.3	1.8	50
I075009		0.93	1.69	0.06	0.3	0.006	0.22	4.0	4.6	10.85	412	8.96	0.02	1.7	19.7	440
I075010		1.94	4.83	0.06	0.7	0.005	0.60	7.9	9.6	9.27	419	72.7	0.02	4.2	38.9	520
I075011		14.80	1.51	0.18	0.2	0.101	0.11	6.9	2.2	6.93	3100	4.69	0.01	1.5	8.4	190
I075012		2.45	0.62	<0.05	0.1	0.013	0.02	18.4	2.2	12.15	678	2.95	0.01	0.4	3.3	30
I075013		0.12	0.19	0.05	<0.1	<0.005	0.01	1.0	2.1	11.75	227	1.39	0.01	0.2	1.1	20
I075014		0.21	0.24	0.06	0.1	<0.005	0.01	0.9	2.0	10.40	313	0.97	0.01	0.2	1.2	20
I075015		0.26	0.27	0.09	<0.1	<0.005	0.01	1.2	2.3	10.00	492	1.03	0.01	0.2	0.7	10
I075016		15.00	3.27	0.20	0.5	0.005	0.01	3.1	2.2	7.37	409	44.1	0.06	1.7	67.2	1090
I075017		16.45	0.52	0.16	0.1	0.009	0.01	2.2	1.7	7.54	372	5.39	0.02	0.3	34.3	80
I075018		0.42	0.35	0.07	<0.1	<0.005	0.03	0.6	1.2	11.95	183	0.19	0.01	0.2	0.5	190
I075019		5.64	5.13	0.11	0.8	0.015	0.01	6.3	3.5	8.85	860	62.3	0.08	3.3	43.9	3620
I075020		0.25	0.56	0.06	0.1	<0.005	0.04	1.8	3.7	11.35	291	6.98	0.01	0.5	2.6	100
I075021		0.25	0.60	0.13	0.1	<0.005	0.04	1.3	3.3	11.75	296	5.07	0.01	0.7	4.0	50
I075022		0.33	0.75	0.13	0.1	<0.005	0.06	1.4	2.9	11.65	320	10.95	0.01	0.9	12.0	150
I075023		3.26	0.76	0.08	0.1	<0.005	0.07	1.3	2.5	10.90	456	10.40	0.02	0.6	30.4	60
I075024		0.69	0.89	0.06	0.1	0.020	0.09	1.3	2.3	11.55	521	15.80	0.03	0.9	10.7	30
I075025		0.73	1.18	0.07	0.1	<0.005	0.10	2.2	2.9	11.45	399	26.2	0.02	1.3	11.9	50
I075026		0.79	0.73	0.08	0.1	0.013	0.03	1.5	2.8	12.10	434	3.67	0.04	0.5	3.5	30
I075027		0.45	0.39	0.09	<0.1	<0.005	0.02	1.4	3.1	12.05	306	1.86	0.01	0.3	3.2	50
I075028		0.48	0.54	0.08	0.1	<0.005	0.04	1.7	3.0	12.00	495	1.27	0.01	0.5	5.8	110
I075029		0.80	3.50	0.10	0.5	<0.005	0.06	5.7	4.7	11.45	337	20.2	0.06	4.1	48.0	1210
I075030		10.40	1.35	0.16	0.1	0.118	0.05	6.6	2.1	8.63	4530	2.30	0.01	1.1	5.3	150
I075031		0.85	1.19	<0.05	0.1	<0.005	0.01	2.7	3.2	11.65	397	12.35	0.03	1.0	26.4	70
I075032		0.82	0.79	0.06	0.1	<0.005	0.01	1.8	3.7	11.75	326	8.67	0.02	0.5	8.6	70
I075033		7.09	1.02	0.19	<0.1	0.067	0.01	73.0	2.5	9.44	3810	4.29	0.02	0.1	18.3	50
I075034		0.44	0.29	<0.05	<0.1	<0.005	0.03	0.6	1.1	12.40	195	0.11	0.01	0.2	0.2	190
I075035		15.15	20.5	2.83	0.2	0.023	0.01	3320	1.6	5.88	1620	9.32	0.01	0.2	38.7	2640
I075036		4.52	0.56	0.09	0.1	<0.005	0.01	2.8	2.8	10.70	666	9.43	0.01	0.3	17.4	50
I075037		1.71	0.81	0.05	0.1	0.008	0.01	3.3	3.1	11.80	669	7.36	0.02	0.5	4.1	70
I075038		1.70	0.81	0.06	0.1	<0.005	0.01	1.9	3.0	11.45	601	8.12	0.02	0.5	5.0	80
I075039		0.40	0.82	0.06	0.1	<0.005	0.02	2.2	3.2	12.05	441	6.64	0.01	0.6	4.1	80
I075040		0.54	0.82	0.07	0.1	<0.005	0.04	2.5	3.8	11.50	508	5.42	0.01	0.7	6.7	40

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 6-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10083932

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I075005		10.2	2.5	<0.002	0.04	0.16	0.6	1	0.4	59.0	<0.05	<0.05	<0.2	0.008	0.04	2.8
I075006		5.7	11.5	<0.002	0.08	0.23	2.1	1	0.9	61.6	0.10	<0.05	0.3	0.057	0.15	3.5
I075007		3.5	0.9	<0.002	0.05	0.14	0.3	1	0.3	50.0	<0.05	<0.05	<0.2	<0.005	0.02	2.8
I075008		3.9	2.3	<0.002	0.07	0.17	0.6	1	0.4	55.2	<0.05	<0.05	<0.2	0.007	0.03	2.8
I075009		34.3	8.9	0.013	1.01	0.58	1.6	1	0.7	66.3	0.09	<0.05	0.5	0.049	0.17	7.7
I075010		10.7	24.8	0.055	2.11	1.01	3.2	2	1.1	59.1	0.23	<0.05	1.4	0.108	0.43	9.7
I075011		8.1	13.1	0.003	>10.0	9.23	0.6	2	2.2	76.9	0.07	0.20	0.5	0.022	0.19	0.4
I075012		43.6	2.0	0.004	2.66	1.08	0.4	2	<0.2	84.3	<0.05	<0.05	0.3	<0.005	0.04	4.3
I075013		2.9	0.8	0.003	0.05	0.13	0.3	1	0.3	59.6	<0.05	<0.05	<0.2	<0.005	0.02	2.6
I075014		4.0	0.3	0.002	0.06	0.15	0.3	1	0.3	51.5	<0.05	<0.05	<0.2	<0.005	0.02	4.2
I075015		7.4	0.2	0.002	0.06	0.15	0.4	1	0.3	59.8	<0.05	<0.05	<0.2	<0.005	<0.02	3.8
I075016		139.0	0.4	0.131	>10.0	12.85	0.8	5	0.8	47.7	0.10	0.67	0.6	0.035	0.15	14.3
I075017		270	0.2	0.004	>10.0	1.83	0.3	4	0.4	35.2	<0.05	0.16	<0.2	0.005	0.03	4.7
I075018		2.4	1.3	<0.002	0.02	0.08	0.4	1	0.3	47.5	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
I075019		448	0.9	0.266	6.97	3.34	1.4	6	2.3	113.5	0.20	0.26	1.6	0.058	0.21	31.6
I075020		10.8	3.9	0.005	0.13	0.34	0.6	2	0.4	84.1	<0.05	<0.05	0.2	0.009	0.08	10.5
I075021		9.6	3.0	0.006	0.14	0.29	0.6	2	0.4	74.6	<0.05	<0.05	0.2	0.011	0.08	2.2
I075022		12.3	4.3	0.035	0.16	0.39	0.7	2	0.4	70.2	0.05	<0.05	0.3	0.016	0.09	3.6
I075023		26.4	5.6	0.053	3.94	0.43	0.8	3	0.4	60.1	<0.05	<0.05	0.2	0.011	0.10	2.8
I075024		46.8	7.0	0.022	0.26	0.60	0.8	2	0.8	76.9	0.05	<0.05	0.3	0.017	0.13	2.0
I075025		52.5	8.3	0.021	0.37	0.79	1.0	2	0.5	65.1	0.07	0.05	0.4	0.021	0.15	2.8
I075026		44.6	2.9	0.006	0.26	0.75	0.6	3	0.9	77.3	<0.05	<0.05	0.2	0.008	0.08	1.7
I075027		8.9	1.8	0.006	0.10	0.23	0.5	2	0.3	69.7	<0.05	<0.05	0.2	0.005	0.03	1.6
I075028		15.2	2.9	0.004	0.18	0.27	0.9	2	1.1	69.6	<0.05	<0.05	0.2	0.008	0.04	3.5
I075029		7.4	3.3	0.100	0.81	1.02	2.3	4	1.3	84.3	0.24	0.14	1.3	0.066	0.29	14.4
I075030		106.5	4.6	0.003	8.90	3.52	0.6	2	4.0	111.0	<0.05	0.15	0.7	0.008	0.06	0.5
I075031		11.7	1.0	0.032	0.82	0.52	0.9	2	0.5	77.0	0.05	0.14	0.3	0.017	0.07	2.6
I075032		12.6	0.6	0.019	0.87	0.32	0.7	2	0.4	67.1	<0.05	0.11	0.2	0.010	0.04	2.9
I075033		88.4	1.1	0.005	6.47	2.50	3.2	3	0.6	111.0	<0.05	0.11	0.9	<0.005	0.07	5.2
I075034		1.2	1.1	<0.002	0.01	<0.05	0.3	1	0.3	38.4	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
I075035		252	0.7	0.033	>10.0	4.72	2.3	7	1.7	69.9	<0.05	0.49	55.1	<0.005	0.27	63.2
I075036		48.8	0.6	0.009	5.53	0.56	0.5	2	0.4	67.7	<0.05	0.12	0.2	<0.005	0.04	3.1
I075037		39.6	0.4	0.017	1.54	0.41	0.5	2	0.4	77.3	<0.05	0.05	0.3	0.008	0.03	3.5
I075038		33.6	0.4	0.015	1.66	0.38	0.5	2	0.4	74.6	<0.05	0.06	0.2	0.008	0.02	2.2
I075039		17.4	1.7	0.011	0.18	0.37	0.5	2	0.4	70.6	<0.05	<0.05	0.3	0.009	0.06	2.9
I075040		42.0	3.9	0.016	0.16	0.61	0.6	2	0.4	76.3	<0.05	<0.05	0.3	0.011	0.06	1.8

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 6-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10083932

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Zn-OG62 Zn % 0.001	As-OG62 As % 0.001
I075005		14	1.0	1.3	62	2.7		
I075006		24	2.4	3.1	39	12.9		
I075007		15	0.4	0.8	18	0.8		
I075008		23	0.8	1.2	48	2.2		
I075009		44	3.1	2.7	88	10.7		
I075010		95	7.2	4.4	188	25.8		
I075011		8	57.1	6.9	58	5.9		2.83
I075012		18	3.2	2.5	178	2.0		
I075013		9	1.0	0.8	37	1.1		
I075014		11	0.8	1.0	55	1.8		
I075015		11	0.8	1.8	21	1.6		
I075016		49	13.4	3.9	349	17.7		
I075017		13	1.9	1.7	2920	2.5		
I075018		3	0.3	0.9	16	<0.5		
I075019		92	29.4	6.9	>10000	30.6	1.165	
I075020		15	2.5	1.2	131	3.0		
I075021		11	2.5	1.1	96	3.3		
I075022		31	1.4	1.2	183	4.4		
I075023		29	2.0	1.7	195	3.5		
I075024		26	2.0	1.3	1440	4.4		
I075025		48	5.2	1.7	613	5.7		
I075026		31	1.8	1.5	2060	1.5		
I075027		26	0.8	1.6	170	1.0		
I075028		48	0.8	2.2	359	2.1		
I075029		145	5.7	4.0	72	21.5		
I075030		8	131.0	6.4	436	3.3		
I075031		27	6.2	2.2	92	5.2		
I075032		21	3.1	1.7	64	2.2		
I075033		15	52.4	21.3	590	<0.5		
I075034		3	0.6	0.7	16	<0.5		
I075035		7	1880	37.3	1120	1.5		
I075036		10	5.2	2.5	313	1.6		
I075037		14	5.1	2.1	400	2.4		
I075038		13	11.2	2.0	293	2.4		
I075039		17	3.7	1.3	102	2.6		
I075040		21	4.5	1.3	272	3.0		

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 6-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10083932

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7-JUL-2010
Account: RCM

CERTIFICATE VA10083933

Project: RAU

P.O. No.: BATCH 17

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 23-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LOG-23	Pulp Login - Rcvd with Barcode
CRU-31	Fine crushing - 70% <2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Project: RAU

Finalized Date: 7-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10083933

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA26 Au ppm 0.01	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
I075077		1.36	<0.01	0.17	7.76	5.8	1900	0.76	0.52	7.50	0.07	32.3	33.8	226	18.35	260
I075078		1.72	<0.01	0.06	7.84	1.8	2670	0.74	0.05	2.84	<0.02	27.8	21.6	266	21.9	2.9
I075079		4.70	<0.01	0.10	7.52	<0.2	1300	0.58	0.03	4.54	0.04	29.7	51.0	226	18.10	3.8
I075080		5.44	<0.01	0.09	7.35	0.5	670	0.56	0.04	4.56	0.02	29.5	50.1	218	9.23	6.2
I075081		2.90	<0.01	0.09	6.93	4.3	610	0.41	0.04	6.37	0.04	27.9	53.1	207	4.37	32.5
I075082		5.50	<0.01	0.09	5.91	<5	1380	0.55	0.02	11.75	0.05	31.6	40.2	166	7.59	63.2
I075083		4.58	<0.01	0.16	7.17	<0.2	830	0.55	0.02	4.45	0.03	29.9	66.4	236	8.46	114.0
I075084		3.84	<0.01	0.03	0.08	<5	20	0.08	0.02	20.4	0.06	1.51	1.8	2	0.19	2.9
I075085		5.42	0.02	1.83	0.60	32.7	170	0.33	2.90	8.30	17.15	6.54	2.5	8	1.19	119.0
I075086		6.48	0.13	8.76	0.42	262	110	0.20	26.6	0.89	14.90	5.74	1.4	2	1.08	283
I075087		6.60	0.03	4.58	0.27	60.6	110	0.17	16.20	0.90	7.34	8.40	1.3	3	0.84	52.2
I075088		6.28	0.04	2.99	0.33	49.9	110	0.20	7.11	1.03	6.30	5.26	1.3	4	0.84	15.5
I075089		6.16	0.04	3.31	0.35	68.6	140	0.23	7.91	6.61	17.55	5.79	2.2	14	0.66	27.3
I075090		0.28	0.50	1.75	0.13	6060	50	0.11	70.9	15.65	2.17	15.80	2.0	7	0.38	17.9
I075091		5.78	0.02	0.43	0.76	15	640	0.37	0.92	16.00	1.83	7.69	2.4	22	1.11	4.8
I075092		4.10	<0.01	0.02	0.07	<5	20	0.08	0.10	20.2	0.06	1.51	1.6	1	0.17	2.0
I075093		5.54	0.01	0.18	2.81	74	90	0.69	0.03	14.55	0.21	53.9	64.1	68	2.39	5.4
I075094		4.42	0.01	0.21	2.97	23	170	1.05	0.04	15.85	1.18	66.4	41.0	71	2.93	18.4
I075095		5.42	0.01	0.33	8.99	10.1	800	3.25	0.29	1.13	0.02	119.5	36.5	203	17.45	60.1
I075096		5.44	0.01	0.38	10.50	1.9	1890	3.80	0.18	0.87	<0.02	171.5	25.3	193	25.5	60.4
I075097		6.04	<0.01	0.51	9.87	2.7	2300	3.93	0.38	1.29	<0.02	188.0	16.6	96	31.6	8.8
I075098		5.42	<0.01	0.62	9.40	1.9	2230	3.54	0.08	1.35	<0.02	193.0	18.9	63	19.60	4.0
I075099		5.72	0.01	0.50	8.04	117.5	400	2.69	0.93	2.31	0.03	119.0	30.1	155	25.7	15.2
I075100		5.94	<0.01	0.48	9.37	2.1	3710	3.77	0.49	1.03	<0.02	137.0	16.8	193	22.9	13.0
I075101		3.10	<0.01	0.63	8.87	3.4	3510	3.12	0.40	1.13	0.03	187.0	14.3	143	28.7	17.4
I075102		2.98	0.03	0.51	7.75	32.7	100	2.50	3.14	2.02	0.03	141.0	10.0	71	6.91	21.6
I075103		0.28	0.51	1.56	0.14	6130	50	0.07	73.4	16.05	1.99	13.80	1.6	6	0.35	15.7
I075104		4.50	0.02	0.16	1.58	50	300	0.40	4.49	16.95	0.07	15.95	7.3	24	9.07	8.4
I075105		2.16	0.03	0.17	1.73	56	160	0.48	4.59	17.05	0.08	17.50	7.5	26	9.01	8.4
I075106		6.00	0.05	0.48	6.34	24.2	170	1.50	2.92	9.56	0.12	109.0	11.4	71	6.17	32.6
I075107		7.98	<0.01	0.14	0.06	9	10	0.18	0.25	19.55	1.00	4.90	1.1	2	0.17	1.7
I075108		6.00	<0.01	0.10	0.03	7	1390	0.16	0.17	19.35	1.22	4.44	1.0	1	0.15	0.6
I075109		5.18	<0.01	0.05	0.05	8	20	0.16	0.12	20.5	0.43	4.01	1.0	2	0.16	0.7
I075110		6.14	<0.01	0.06	0.07	<5	20	0.14	0.73	20.6	0.40	4.19	0.9	2	0.18	1.3
I075111		6.72	0.01	0.60	0.05	91	10	0.15	5.90	18.25	1.25	5.38	2.1	1	0.21	2.3
I075112		1.52	0.01	0.16	0.06	24	10	0.16	0.95	20.6	0.99	3.68	1.4	2	0.14	1.1

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 7-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10083933

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I075077		3.93	19.15	0.08	0.9	0.051	4.38	16.7	37.8	2.01	442	1.19	1.00	10.0	108.5	790
I075078		8.83	21.8	0.22	0.2	0.095	4.90	13.5	45.1	2.36	368	0.26	0.60	8.4	167.5	860
I075079		8.02	19.45	0.21	1.2	0.077	3.21	15.4	67.6	5.23	619	0.16	0.85	13.8	204	760
I075080		7.79	18.55	0.21	1.1	0.057	2.13	15.2	50.1	5.76	650	0.32	1.07	14.0	198.0	740
I075081		6.16	17.60	0.14	0.7	0.052	1.66	14.3	49.1	5.31	792	0.42	0.69	13.5	198.0	640
I075082		6.22	15.95	0.13	0.5	0.054	2.84	16.4	42.8	3.29	1060	0.72	0.73	11.6	163.5	670
I075083		9.24	17.95	0.20	0.9	0.055	2.49	15.5	47.7	5.97	581	0.45	0.19	17.8	298	830
I075084		0.45	0.37	0.06	<0.1	0.005	0.04	0.7	1.2	12.80	198	0.13	0.01	0.3	<0.2	210
I075085		16.10	5.16	0.27	0.2	13.00	0.28	4.0	2.3	7.23	32700	0.78	0.01	1.1	7.4	30
I075086		29.6	7.09	0.55	0.2	27.9	0.20	4.0	1.8	4.77	56000	0.57	0.01	1.2	6.6	20
I075087		28.7	6.17	0.53	0.1	23.2	0.13	5.9	1.5	4.88	57300	0.43	0.01	1.1	5.4	20
I075088		29.5	6.85	0.58	0.2	24.2	0.15	3.6	1.6	5.15	55500	0.25	0.01	1.3	5.5	20
I075089		18.55	4.24	0.31	0.2	10.70	0.17	3.8	1.7	6.20	32000	0.64	0.01	1.5	5.6	40
I075090		10.80	1.44	0.17	0.1	0.150	0.05	6.8	2.3	8.55	4670	2.39	0.01	1.4	3.7	150
I075091		4.16	2.48	<0.05	0.3	2.24	0.35	4.2	2.7	10.10	6700	0.57	0.01	2.8	4.2	20
I075092		0.42	0.43	0.10	<0.1	0.011	0.03	0.7	1.1	12.75	207	0.26	0.01	0.3	<0.2	230
I075093		4.10	6.13	0.05	1.2	0.023	1.41	23.0	7.2	8.05	475	2.50	0.03	13.8	109.0	2380
I075094		4.30	8.24	0.07	2.1	0.049	1.46	31.9	11.9	7.34	1860	1.28	0.03	26.2	60.7	1000
I075095		8.30	27.6	0.33	0.8	0.100	4.30	58.9	62.8	1.42	299	3.31	0.14	67.4	125.5	2890
I075096		8.91	31.1	0.44	0.9	0.091	4.62	93.9	83.3	1.29	304	1.06	0.16	116.5	94.3	2940
I075097		8.14	30.8	0.44	1.0	0.103	4.13	91.1	86.5	1.04	254	0.93	0.22	135.5	51.8	4080
I075098		7.32	30.0	0.44	0.9	0.087	4.80	98.0	74.3	0.98	273	0.78	1.36	150.0	57.1	1490
I075099		7.95	25.6	0.35	0.5	0.070	4.42	59.4	91.3	2.00	322	0.56	0.56	85.2	93.7	2380
I075100		7.27	29.2	0.40	0.4	0.100	4.07	72.1	79.3	1.12	198	0.43	0.37	94.9	76.6	2890
I075101		7.56	28.3	0.32	0.4	0.109	4.07	98.4	68.6	1.18	318	0.61	0.29	131.5	56.0	1980
I075102		6.62	25.0	0.23	0.8	0.067	4.32	71.6	38.5	1.39	152	1.31	0.11	96.1	28.2	1650
I075103		10.75	1.41	0.18	0.1	0.137	0.06	5.8	2.4	8.53	4550	2.28	0.01	1.4	1.4	140
I075104		4.66	5.31	0.08	0.3	0.041	0.90	8.4	14.6	8.66	1050	0.55	0.02	9.6	17.7	330
I075105		4.82	5.72	0.07	0.3	0.053	0.95	9.3	15.0	8.37	1100	0.50	0.02	10.7	17.5	390
I075106		4.54	17.70	0.13	1.0	0.050	2.90	57.3	24.7	6.21	335	1.14	0.14	60.4	26.6	1710
I075107		1.10	0.44	<0.05	<0.1	0.016	0.01	2.1	4.0	11.95	1220	7.63	0.02	0.3	<0.2	50
I075108		0.99	0.32	<0.05	<0.1	0.014	0.01	1.8	4.0	11.70	1330	4.96	<0.01	0.2	<0.2	50
I075109		0.91	0.39	<0.05	<0.1	0.012	0.01	1.7	4.7	12.40	1360	0.90	0.02	0.2	<0.2	40
I075110		0.48	0.47	<0.05	<0.1	0.013	0.01	1.9	3.9	12.60	856	1.32	0.02	0.3	<0.2	20
I075111		3.94	0.46	0.06	<0.1	0.036	0.01	2.3	4.1	11.05	1280	1.63	0.02	0.2	4.9	140
I075112		1.62	0.43	<0.05	<0.1	0.020	0.01	1.8	4.5	12.50	1050	0.36	0.02	0.3	<0.2	100

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Project: RAU

Finalized Date: 7-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10083933

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I075077		2.8	187.5	0.002	1.59	0.39	26.2	2	7.3	214	0.57	<0.05	2.0	0.581	1.48	3.6
I075078		1.9	151.0	<0.002	0.05	0.29	26.5	2	2.0	64.7	0.56	<0.05	1.9	0.798	1.30	0.5
I075079		2.0	89.2	<0.002	0.03	0.20	25.9	1	1.2	117.0	0.79	<0.05	2.1	0.767	0.50	0.4
I075080		1.4	56.5	<0.002	0.02	0.23	24.5	1	1.0	147.0	0.78	<0.05	2.0	0.726	0.33	0.3
I075081		1.6	34.7	<0.002	0.01	0.39	23.3	1	0.8	143.0	0.74	<0.05	1.7	0.681	0.18	0.3
I075082		1.9	60.1	<0.002	0.03	0.31	21.2	1	0.7	151.0	0.63	<0.05	1.7	0.598	0.30	0.4
I075083		2.0	48.3	<0.002	0.11	0.32	23.7	1	0.9	88.6	0.96	<0.05	2.1	0.787	0.29	0.4
I075084		1.5	1.6	<0.002	0.01	<0.05	0.4	1	<0.2	47.1	<0.05	<0.05	<0.2	0.006	<0.02	1.0
I075085		265	36.8	0.002	0.63	2.10	1.6	1	29.5	15.7	0.05	<0.05	0.8	0.022	0.45	0.7
I075086		1345	26.9	<0.002	3.82	10.10	1.3	1	130.0	3.1	<0.05	<0.05	0.7	0.017	0.33	0.5
I075087		560	14.3	<0.002	1.35	2.43	1.3	1	48.0	2.7	<0.05	<0.05	0.5	0.014	0.27	0.5
I075088		575	17.5	<0.002	1.53	1.17	1.4	<1	14.6	3.2	<0.05	<0.05	0.5	0.018	0.24	0.6
I075089		651	18.5	0.002	2.50	2.43	2.1	1	25.3	12.6	0.06	<0.05	0.5	0.027	0.31	0.9
I075090		104.5	6.0	0.002	8.82	3.38	0.6	1	3.5	116.0	<0.05	0.12	0.8	0.009	0.08	0.5
I075091		59.5	37.2	<0.002	1.05	1.55	2.4	1	9.0	35.9	0.15	<0.05	0.7	0.066	0.33	0.7
I075092		2.4	1.6	<0.002	0.02	<0.05	0.3	1	<0.2	48.8	<0.05	<0.05	<0.2	<0.005	<0.02	0.7
I075093		6.5	39.9	0.003	5.05	1.53	5.0	1	0.5	56.2	0.79	<0.05	2.6	0.204	0.76	3.5
I075094		3.5	38.2	0.002	4.93	0.48	8.5	1	0.8	145.0	1.49	<0.05	4.2	0.390	0.39	7.5
I075095		2.3	96.0	<0.002	3.77	0.40	23.1	2	2.3	59.6	3.85	<0.05	8.4	1.050	1.08	1.0
I075096		1.3	139.0	0.002	0.76	0.23	21.7	3	4.8	72.4	6.16	0.07	13.8	1.385	1.44	0.8
I075097		2.1	171.0	0.002	0.34	0.33	16.8	3	7.0	115.0	7.30	0.08	14.1	1.235	1.81	1.2
I075098		2.2	148.0	0.002	0.10	0.17	10.0	3	5.5	142.5	9.05	0.07	18.7	0.847	0.87	0.6
I075099		6.1	185.0	<0.002	3.40	0.47	18.6	2	10.3	125.0	5.01	0.14	7.4	0.840	1.79	0.6
I075100		2.2	165.5	0.002	0.84	0.25	23.3	3	6.1	114.0	5.37	0.09	10.4	1.110	1.48	0.5
I075101		3.3	177.0	<0.002	0.65	0.29	13.8	2	4.8	130.0	6.58	0.06	14.0	0.953	1.49	0.3
I075102		3.9	123.5	<0.002	6.11	0.48	8.0	2	6.0	51.1	5.13	0.07	12.3	0.546	0.77	0.5
I075103		106.5	4.7	0.003	8.66	3.19	0.5	2	3.4	112.5	<0.05	0.11	0.7	0.009	0.07	0.4
I075104		3.1	61.7	<0.002	4.42	0.54	2.6	2	0.9	98.1	0.57	<0.05	2.1	0.149	0.46	0.3
I075105		3.0	64.0	<0.002	4.70	0.50	2.9	2	0.9	102.0	0.62	<0.05	2.0	0.184	0.47	0.3
I075106		4.6	86.0	<0.002	4.17	2.22	7.6	2	2.9	67.1	3.42	<0.05	9.2	0.544	0.46	0.7
I075107		38.7	0.7	0.008	0.46	0.31	0.7	2	0.2	72.2	<0.05	<0.05	<0.2	<0.005	0.05	2.2
I075108		27.6	0.5	0.006	0.35	0.36	0.7	2	0.2	90.3	<0.05	<0.05	<0.2	<0.005	0.05	2.5
I075109		16.0	0.6	<0.002	0.25	0.18	0.9	2	0.2	80.8	<0.05	<0.05	<0.2	<0.005	0.02	2.8
I075110		11.4	0.7	<0.002	0.16	0.24	0.5	1	0.2	83.5	<0.05	<0.05	<0.2	<0.005	0.02	1.7
I075111		57.3	0.7	0.004	4.11	0.32	0.9	2	0.2	78.2	<0.05	<0.05	<0.2	<0.005	0.03	2.3
I075112		29.2	0.6	<0.002	1.03	0.23	0.5	2	0.2	72.3	<0.05	<0.05	<0.2	<0.005	0.02	2.5

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Project: RAU

Finalized Date: 7-JUL-2010
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CERTIFICATE OF ANALYSIS VA10083933

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
I075077		130	1.6	15.9	35	30.5
I075078		112	0.3	15.5	54	4.3
I075079		176	0.2	18.6	118	48.6
I075080		175	0.2	17.7	118	42.2
I075081		162	0.3	17.7	105	31.5
I075082		143	0.3	18.1	76	18.2
I075083		177	0.3	15.9	146	37.2
I075084		2	0.2	0.9	15	<0.5
I075085		10	1.6	4.1	4320	10.5
I075086		7	4.2	3.3	3620	8.5
I075087		9	0.9	4.9	2130	6.1
I075088		8	0.7	4.9	1740	7.2
I075089		11	1.0	4.4	4080	9.2
I075090		6	127.0	6.7	441	4.0
I075091		10	1.4	4.1	454	12.4
I075092		1	0.2	0.9	16	<0.5
I075093		27	0.3	15.1	36	51.2
I075094		59	0.5	24.6	131	90.3
I075095		190	0.8	21.9	86	35.9
I075096		176	1.4	28.9	95	37.4
I075097		154	2.6	33.3	70	47.5
I075098		100	1.4	31.1	53	40.4
I075099		178	2.9	22.5	53	19.6
I075100		194	2.3	25.2	32	15.8
I075101		114	2.6	29.8	78	14.7
I075102		83	4.1	21.5	22	36.6
I075103		7	123.5	6.1	430	3.4
I075104		28	2.6	9.0	24	12.7
I075105		31	2.1	9.5	28	13.4
I075106		83	3.5	21.1	33	42.6
I075107		10	9.4	4.8	378	1.2
I075108		10	6.0	5.0	448	0.7
I075109		14	0.6	5.0	224	0.8
I075110		13	1.2	3.5	146	1.1
I075111		15	1.5	5.8	407	1.4
I075112		15	0.6	2.7	456	1.7

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Project: RAU

Finalized Date: 7-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10083933

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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Finalized Date: 10-JUL-2010
Account: RCM

CERTIFICATE VA10085427

Project: RAU

P.O. No.: Batch 21

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 28-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

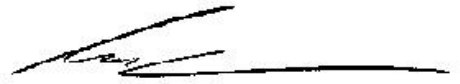
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ATAC RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 10-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10085427

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA26 Au ppm 0.01	Au-AA26 Au Check ppm 0.01	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05
I075221		5.02	0.01		0.02	0.16	14	80	0.14	0.98	19.60	0.04	9.20	2.5	3	1.43
I075222		3.52	0.60		1.67	0.22	2660	170	<0.05	108.0	19.70	3.28	11.90	1.6	1	0.22
I075223		4.30	1.60		0.09	0.12	5030	80	<0.05	216	18.85	0.94	12.50	1.3	<1	0.14
I075224		4.68	2.47		0.09	0.21	>10000	60	0.05	170.0	16.45	0.14	11.05	1.6	<1	0.29
I075225		3.42	4.38		0.16	0.08	8120	30	<0.05	236	16.50	0.08	15.85	1.1	<1	0.12
I075226		4.24	1.58		0.07	0.08	>10000	20	<0.05	141.0	16.20	0.10	15.95	1.0	<1	0.15
I075227		0.26	8.33		21.2	5.24	47.3	30	1.37	1.35	1.43	0.04	6.56	10.0	37	64.6
I075228		4.56	0.75		0.08	0.08	>10000	20	<0.05	91.2	17.55	0.09	13.50	1.0	<1	0.15
I075229		4.42	4.29		0.17	0.09	5660	20	<0.05	149.0	16.80	0.06	17.25	1.1	<1	0.15
I075230		3.84	2.47		0.19	0.24	4440	40	0.07	181.5	15.75	0.19	11.20	2.2	<1	0.37
I075231		3.28	1.03		0.15	0.11	>10000	30	<0.05	194.5	14.75	0.75	13.65	1.9	<1	0.20
I075232		4.66	4.33		0.13	0.17	2770	30	0.10	604	15.10	0.35	10.60	1.7	<1	0.20
I075233		7.38	0.02		<0.01	0.05	55	10	<0.05	1.92	19.85	0.06	1.29	1.3	2	0.12
I075234		4.88	1.14		0.11	0.10	3220	20	<0.05	294	16.45	0.13	7.33	1.4	1	0.19
I075235		5.66	1.93		0.09	0.07	>10000	10	<0.05	250	13.95	0.09	5.78	1.5	<1	0.26
I075236		5.68	1.45		0.15	0.08	>10000	10	<0.05	285	12.15	0.24	6.39	1.5	<1	0.32
I075237		0.28	3.86		0.16	0.09	>10000	10	<0.05	224	9.81	0.02	7.16	1.4	7	0.62
I075238		5.66	3.05		0.19	0.09	>10000	10	<0.05	349	11.30	0.05	4.83	1.8	<1	0.68
I075239		3.52	0.10		0.34	0.05	9340	20	<0.05	6.07	16.45	0.12	6.27	0.9	1	0.24
I075240		2.74	0.13	0.08	0.73	0.16	1700	50	0.08	5.18	15.55	0.25	4.82	1.0	7	0.47
I075241		5.06	0.72	0.35	0.08	0.16	>10000	40	0.05	231	17.90	0.25	7.08	1.1	1	0.26
I075242		2.20	0.47	0.54	0.10	0.18	>10000	40	<0.05	44.0	18.00	0.27	7.31	1.0	<1	0.28
I075243		5.68	0.14		0.12	0.12	6630	20	0.06	30.0	17.05	0.31	6.45	1.1	1	0.34
I075244		5.04	0.07		0.09	0.06	2750	20	0.07	51.5	15.80	0.49	7.07	2.2	<1	0.23
I075245		7.54	<0.01		0.01	0.07	16	20	0.05	0.17	21.0	0.06	1.69	1.2	2	0.16
I075246		5.08	0.24		0.14	0.96	4670	110	0.22	157.5	14.40	0.09	8.07	2.3	7	1.63
I075247		5.34	0.15		0.19	0.21	1140	20	<0.05	286	13.90	0.24	134.0	6.4	1	0.20
I075248		4.78	0.04		0.11	0.11	892	20	<0.05	194.0	16.15	0.22	12.70	3.9	<1	0.29
I075249		5.06	1.99		0.54	0.32	5210	30	0.08	268	12.60	0.87	7.51	2.2	1	0.85
I075250		4.30	1.42		1.11	0.44	6070	40	0.12	129.5	15.30	3.82	7.96	2.0	1	1.08
I075251		1.82	0.38		7.56	0.38	5380	180	0.09	498	5.02	14.45	15.95	8.1	<1	0.50
I075252		2.38	0.48		4.41	0.14	4880	80	0.09	551	11.35	5.88	17.90	22.5	<1	0.33
I075253		3.42	0.46		0.48	0.68	7560	260	0.20	139.5	14.45	4.04	10.75	8.5	4	0.69
I075254		5.40	0.08		0.66	0.54	3540	100	0.16	49.4	20.2	2.65	11.25	4.4	5	0.46
I075255		3.52	0.13		0.31	0.58	1720	180	0.14	60.0	24.1	2.21	11.05	5.2	4	0.44
I075256		3.12	1.07		0.55	0.19	2850	160	0.07	147.0	21.6	1.94	13.35	4.6	1	0.39

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 10-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10085427

Sample Description	Method Analyte Units LOR	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2
I075221		2.6	0.27	0.69	0.07	0.1	0.007	0.10	6.5	4.4	12.00	408	1.20	0.02	0.3	4.3
I075222		3.6	8.12	1.66	0.10	0.1	0.110	0.09	5.4	1.5	6.12	4760	0.25	0.01	0.8	1.3
I075223		2.5	7.76	0.97	0.09	0.1	0.130	0.05	5.4	1.6	7.54	5030	0.15	0.01	0.4	0.4
I075224		2.8	10.40	1.59	0.13	0.1	0.140	0.08	4.7	2.0	7.18	4710	0.16	0.01	0.9	2.0
I075225		2.3	10.80	0.81	0.11	0.1	0.121	0.03	7.6	1.6	7.68	4630	0.32	0.01	0.4	0.3
I075226		2.3	10.75	0.86	0.13	0.1	0.154	0.03	7.5	1.7	7.81	4630	0.14	0.01	0.4	<0.2
I075227		19.2	2.15	16.25	<0.05	0.9	0.021	3.50	2.8	18.6	0.64	309	17.00	1.17	1.9	14.5
I075228		2.3	8.96	0.83	0.11	<0.1	0.140	0.03	5.9	1.8	8.45	4500	0.12	0.01	0.3	<0.2
I075229		2.5	10.65	0.95	0.12	0.1	0.124	0.04	8.7	1.9	7.86	4510	0.09	0.01	0.4	0.4
I075230		3.9	11.90	2.01	0.15	0.2	0.135	0.09	4.5	2.1	7.37	4430	0.18	0.01	0.9	3.2
I075231		3.1	14.60	1.19	0.19	0.1	0.178	0.04	5.7	1.8	6.65	5470	0.22	0.01	0.6	2.2
I075232		3.9	12.25	1.69	0.20	0.1	0.116	0.06	4.3	2.0	7.50	4790	0.14	0.01	0.7	2.6
I075233		2.5	0.51	0.23	0.05	<0.1	<0.005	0.02	0.6	1.1	12.25	230	0.07	<0.01	0.2	0.6
I075234		3.8	9.10	0.90	0.12	0.1	0.105	0.04	2.8	1.6	8.68	3950	0.11	0.01	0.5	0.3
I075235		4.8	14.55	0.74	0.18	<0.1	0.121	0.03	2.3	1.3	6.99	3390	0.16	0.01	0.3	0.8
I075236		4.8	16.85	0.80	0.22	<0.1	0.132	0.03	2.3	1.7	6.22	3540	0.09	<0.01	0.4	0.9
I075237		27.7	21.7	0.85	0.29	0.3	0.160	0.05	2.9	1.8	5.24	1830	5.11	0.01	1.1	8.0
I075238		4.4	19.45	0.86	0.24	0.1	0.106	0.03	2.0	1.7	5.80	2600	0.20	<0.01	0.5	2.1
I075239		1.9	5.72	0.40	<0.05	<0.1	0.060	0.01	2.8	2.5	9.87	2700	0.30	0.02	0.2	<0.2
I075240		3.3	2.98	0.84	<0.05	0.1	0.025	0.03	2.9	3.2	9.92	1360	0.64	0.02	0.9	<0.2
I075241		2.3	8.02	1.04	0.16	0.1	0.093	0.02	3.0	<0.2	9.23	4550	0.22	0.01	0.8	2.1
I075242		2.0	8.32	1.19	0.16	0.1	0.106	0.02	3.1	<0.2	9.23	4900	0.22	0.01	0.8	1.8
I075243		2.1	6.90	0.91	0.12	0.1	0.053	0.01	2.9	<0.2	9.79	2610	0.17	0.01	0.5	2.8
I075244		2.4	10.15	0.54	0.24	<0.1	0.038	0.01	3.2	<0.2	9.44	2410	0.23	0.01	0.4	4.2
I075245		1.8	0.47	0.29	0.19	<0.1	<0.005	0.03	0.8	<0.2	12.75	207	0.08	0.01	0.3	2.2
I075246		2.9	13.25	5.96	0.25	0.5	0.060	0.26	3.2	1.8	8.44	3970	0.29	0.01	2.7	7.8
I075247		1.7	14.30	1.76	0.32	0.1	0.046	0.02	91.5	<0.2	7.86	3610	0.11	0.02	0.8	13.1
I075248		2.1	11.05	0.93	0.19	0.1	0.057	0.02	6.6	0.6	8.62	4160	0.06	0.01	0.4	8.0
I075249		1.9	21.0	2.36	0.38	0.3	0.076	0.08	2.9	<0.2	6.88	4130	0.09	0.01	1.3	5.3
I075250		3.2	15.75	3.29	0.24	0.3	0.093	0.12	3.2	<0.2	7.47	4630	0.09	0.02	1.3	4.9
I075251		10.0	33.1	2.97	0.57	0.3	0.166	0.06	7.3	<0.2	2.71	6240	0.66	0.03	1.0	17.9
I075252		11.1	30.3	1.72	0.52	0.1	0.138	0.06	7.4	<0.2	3.95	9510	0.92	0.01	0.5	50.8
I075253		6.4	28.4	4.61	0.50	0.4	0.137	0.25	4.5	<0.2	2.20	10150	2.72	0.02	2.0	24.1
I075254		4.2	11.60	2.92	0.22	0.4	0.101	0.10	5.0	<0.2	7.13	4950	0.61	0.03	1.3	10.2
I075255		2.0	10.50	3.82	0.20	0.3	0.097	0.19	4.3	<0.2	4.11	6710	1.41	0.02	1.5	9.7
I075256		1.7	11.25	1.42	0.22	0.2	0.116	0.05	5.1	<0.2	6.50	6960	1.22	0.01	0.7	8.0

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Project: RAU

Finalized Date: 10-JUL-2010
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CERTIFICATE OF ANALYSIS VA10085427

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02
I075221		20	2.6	12.8	0.008	0.18	0.22	0.5	1	0.3	45.4	<0.05	0.05	0.3	0.008	0.14
I075222		200	233	6.4	<0.002	0.04	3.62	0.7	4	0.5	91.9	<0.05	<0.05	<0.2	0.015	0.07
I075223		140	39.4	2.4	<0.002	0.05	6.74	0.6	2	0.2	119.5	<0.05	<0.05	<0.2	0.007	0.05
I075224		170	5.7	4.7	<0.002	0.10	6.09	0.7	2	0.3	137.0	<0.05	0.06	<0.2	0.015	0.09
I075225		140	4.5	1.9	<0.002	0.09	6.94	0.5	2	0.2	114.5	<0.05	0.05	<0.2	0.006	0.05
I075226		150	4.4	2.3	<0.002	0.47	9.27	0.5	2	0.2	143.0	<0.05	<0.05	<0.2	0.005	0.06
I075227		640	6.0	1470	<0.002	0.03	0.83	8.0	1	1.2	60.1	0.22	<0.05	0.6	0.249	13.80
I075228		100	4.1	2.6	<0.002	0.82	5.90	0.5	2	<0.2	130.5	<0.05	0.05	<0.2	<0.005	0.05
I075229		120	4.1	2.4	<0.002	2.02	6.56	0.6	2	0.2	114.5	<0.05	0.06	<0.2	0.006	0.05
I075230		170	4.3	5.0	<0.002	1.35	8.36	0.9	4	0.4	99.6	<0.05	0.06	<0.2	0.017	0.05
I075231		140	4.8	2.4	<0.002	1.69	9.45	0.7	5	0.2	110.5	<0.05	0.08	<0.2	0.008	0.09
I075232		120	6.2	3.6	<0.002	1.99	36.8	1.2	5	1.4	105.0	<0.05	0.20	<0.2	0.013	0.05
I075233		180	1.2	1.1	<0.002	0.02	0.09	0.3	1	<0.2	41.7	<0.05	<0.05	<0.2	<0.005	<0.02
I075234		70	4.1	3.2	0.002	1.85	21.1	0.7	4	0.2	108.5	<0.05	0.09	<0.2	0.006	0.07
I075235		80	4.9	2.9	<0.002	>10.0	26.1	0.5	2	0.2	102.5	<0.05	0.13	<0.2	<0.005	0.06
I075236		100	8.0	4.1	<0.002	>10.0	32.1	0.6	4	0.2	95.7	<0.05	0.30	<0.2	<0.005	0.08
I075237		90	7.0	7.9	0.002	>10.0	22.7	0.7	4	3.0	70.2	0.06	0.57	0.2	0.007	0.12
I075238		90	5.2	8.5	0.002	>10.0	31.9	0.6	3	0.3	86.7	<0.05	0.39	<0.2	0.007	0.10
I075239		90	3.7	1.5	<0.002	1.12	2.34	0.6	2	0.2	117.0	<0.05	0.06	<0.2	<0.005	0.05
I075240		70	3.3	3.5	<0.002	0.40	1.18	0.7	2	0.3	74.5	<0.05	<0.05	<0.2	0.016	0.10
I075241		120	4.5	2.1	<0.002	1.42	7.27	0.6	2	0.4	111.5	<0.05	0.08	0.2	0.015	0.27
I075242		140	3.6	2.4	<0.002	1.17	3.81	0.7	2	0.4	119.0	<0.05	0.06	0.2	0.014	0.32
I075243		60	4.1	1.7	<0.002	1.29	2.55	0.5	3	0.2	78.4	<0.05	0.06	<0.2	0.009	0.21
I075244		60	6.6	1.2	<0.002	4.05	2.98	0.5	4	<0.2	70.9	<0.05	0.06	<0.2	<0.005	0.11
I075245		190	2.0	1.4	<0.002	0.02	<0.05	0.4	1	<0.2	44.3	<0.05	<0.05	<0.2	<0.005	<0.02
I075246		440	3.7	22.5	<0.002	5.36	4.56	1.8	3	1.5	91.6	0.14	0.14	0.4	0.067	0.52
I075247		190	4.9	1.8	<0.002	>10.0	4.92	0.9	3	0.4	84.7	<0.05	0.26	0.6	0.015	0.06
I075248		120	3.4	1.5	0.003	6.75	4.27	0.8	2	0.3	99.2	<0.05	0.15	<0.2	0.006	0.09
I075249		200	31.6	11.9	0.005	6.24	7.16	1.0	3	0.8	81.2	0.05	0.26	0.2	0.024	0.26
I075250		200	133.0	16.1	0.002	2.83	5.01	1.0	2	2.4	94.0	0.05	0.15	0.2	0.029	0.25
I075251		320	310	7.2	0.003	1.00	14.50	1.5	4	1.8	39.0	<0.05	0.43	0.4	0.014	0.37
I075252		220	289	4.7	0.002	0.29	15.05	2.7	5	2.0	77.1	<0.05	0.62	<0.2	0.006	0.15
I075253		340	115.0	15.7	<0.002	0.14	5.18	1.9	2	1.2	52.1	0.08	0.12	0.6	0.041	0.30
I075254		250	74.9	9.7	<0.002	0.08	2.69	1.9	3	1.1	82.2	0.06	0.08	0.2	0.030	0.11
I075255		330	49.9	12.9	<0.002	0.20	2.09	1.6	2	1.3	72.8	0.07	0.08	0.2	0.033	0.15
I075256		250	29.7	4.0	<0.002	0.08	3.35	1.7	2	0.5	99.5	<0.05	0.11	0.2	0.010	0.16

***** See Appendix Page for comments regarding this certificate *****

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North Vancouver BC V7H 0A7
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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 10-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10085427

Sample Description	Method Analyte Units LOR	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	As-OG62 As % 0.001
I075221		1.1	12	1.0	1.7	8	1.9	
I075222		0.3	6	54.9	9.3	626	5.5	
I075223		0.2	5	72.9	10.2	187	2.6	
I075224		0.3	6	91.7	10.3	44	5.4	1.825
I075225		0.2	4	75.9	10.2	22	2.5	
I075226		0.2	5	133.0	9.9	25	2.6	2.20
I075227		0.2	53	1.1	8.5	25	32.1	
I075228		0.1	5	101.5	10.4	27	1.7	1.005
I075229		0.2	5	90.4	10.3	19	2.9	
I075230		0.2	7	97.3	12.5	49	6.4	
I075231		0.2	6	103.0	14.2	112	3.6	1.690
I075232		0.2	8	9.9	13.0	68	5.2	
I075233		0.4	3	0.3	0.9	13	<0.5	
I075234		0.1	5	168.0	12.8	33	2.7	
I075235		0.1	5	137.0	7.5	23	2.3	1.635
I075236		0.2	5	38.7	10.0	88	2.4	2.77
I075237		0.4	5	283	5.2	11	3.6	6.24
I075238		0.3	4	202	5.5	18	3.5	4.50
I075239		0.1	5	34.9	5.6	40	1.4	
I075240		0.1	6	5.2	4.2	77	3.2	
I075241		0.3	5	73.8	7.6	59	5.2	0.923
I075242		0.3	5	86.0	8.0	64	5.1	1.155
I075243		0.3	6	146.0	5.9	90	4.0	
I075244		0.2	5	94.7	6.3	169	2.4	
I075245		1.0	3	0.3	0.9	17	<0.5	
I075246		0.6	14	70.6	8.5	27	23.3	
I075247		1.6	6	142.0	8.4	65	6.1	
I075248		0.3	4	275	8.3	66	3.7	
I075249		0.6	5	500	7.6	224	11.7	
I075250		0.7	8	290	7.8	844	13.6	
I075251		2.5	12	323	15.2	2070	12.6	
I075252		1.6	10	317	21.3	1200	6.0	
I075253		2.5	14	28.8	13.8	860	19.9	
I075254		1.3	14	11.4	12.1	1030	17.1	
I075255		0.9	13	134.0	11.3	421	13.3	
I075256		1.1	11	56.3	15.8	496	6.8	

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CERTIFICATE OF ANALYSIS VA10085427

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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Finalized Date: 13-JUL-2010
Account: RCM

CERTIFICATE VA10085428

Project: RAU

P.O. No.: Batch 20

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 28-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LOG-23	Pulp Login - Rcvd with Barcode
CRU-31	Fine crushing - 70% <2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS VA10085428

Method	WEI-21	Au-AA26	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
Sample Description Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
LOR	0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
I075185	5.06	0.16	2.63	0.34	7540	370	0.08	60.2	0.25	2.71	4.69	1.3	22	0.90	10.6
I075186	3.84	0.51	4.32	0.22	>10000	780	0.06	140.5	0.67	8.96	6.64	2.4	17	0.44	21.9
I075187	4.20	1.96	3.15	0.36	>10000	1070	0.13	146.0	0.53	7.28	9.69	2.2	20	0.39	14.5
I075188	4.84	3.20	4.15	0.13	>10000	3210	<0.05	1075	0.57	4.63	4.57	2.4	11	0.30	16.9
I075189	7.80	<0.01	0.03	0.07	53	30	0.06	0.73	21.5	0.07	1.36	1.1	1	0.15	2.7
I075190	5.40	1.99	2.55	0.40	>10000	3680	0.06	638	0.61	6.05	11.20	4.3	19	0.65	19.0
I075191	3.02	3.91	3.93	0.54	>10000	2350	0.18	1140	1.05	3.53	6.68	2.6	21	0.62	8.6
I075192	4.12	0.73	2.22	1.05	2670	810	0.58	11.70	22.6	3.21	19.00	5.4	19	1.21	4.3
I075193	8.44	0.07	0.40	0.91	327	350	0.51	4.47	21.6	1.23	10.40	2.7	15	1.69	3.6
I075194	4.24	0.11	0.47	0.90	313	370	0.52	3.64	21.9	1.19	10.65	2.7	15	1.79	3.4
I075195	8.58	0.22	0.66	0.74	1550	780	0.42	3.49	23.4	2.56	12.10	3.0	15	0.79	3.1
I075196	4.16	0.06	0.47	0.38	4020	750	0.30	2.09	22.0	1.86	11.40	2.1	8	0.40	3.5
I075197	4.86	0.01	<0.01	0.10	16	20	<0.05	0.08	35.0	0.03	1.97	0.6	3	0.15	0.8
I075198	4.96	<0.01	0.07	0.32	53	60	0.08	1.04	35.0	0.52	4.25	0.9	4	0.76	1.5
I075199	6.04	0.79	0.18	0.16	1060	40	0.07	200	15.75	0.10	14.00	0.7	<1	0.81	31.5
I075200	3.30	5.14	0.52	0.34	>10000	50	0.06	176.5	10.40	0.05	7.38	1.0	2	1.61	7.0
I075201	4.52	3.50	0.27	0.12	>10000	20	0.07	146.5	7.73	0.09	7.11	0.7	<1	0.26	12.4
I075202	5.14	<0.01	0.01	0.09	171	30	0.06	0.81	23.3	0.06	1.60	1.1	13	0.26	1.8
I075203	1.74	0.18	5.45	1.48	2500	200	0.52	17.15	20.7	23.0	12.05	15.1	32	3.57	40.0
I075204	6.38	0.95	11.55	0.34	8690	60	0.08	123.0	11.70	45.3	8.07	2.4	2	0.91	59.5
I075205	0.28	0.46	1.80	0.15	6000	60	0.09	78.5	18.25	2.50	16.90	1.8	7	0.39	19.8
I075206	3.52	0.13	26.5	0.95	1080	40	0.38	124.0	9.08	98.0	3.56	59.6	10	2.10	297
I075207	4.02	0.01	2.67	4.83	149	500	0.95	3.29	12.30	56.4	20.3	29.9	145	4.74	70.4
I075208	0.28	1.80	1.09	0.25	>10000	20	0.10	260	13.60	0.24	17.30	2.7	9	1.12	28.8
I075209	4.36	<0.01	0.40	6.96	115	1190	0.82	0.65	10.45	2.82	25.4	31.5	199	29.3	47.2
I075210	2.92	<0.01	0.20	7.90	8.9	820	0.85	1.18	6.68	0.30	29.9	55.7	219	35.6	89.8
I075211	5.32	<0.01	0.08	7.69	4.1	1470	0.65	5.65	7.25	0.04	27.7	52.6	232	59.4	43.2
I075212	5.14	<0.01	0.27	6.92	1.2	540	0.55	1.24	6.54	0.04	29.1	100.5	204	39.4	158.0
I075213	3.50	<0.01	0.27	6.96	36.4	1120	0.55	3.08	7.28	<0.02	26.2	64.4	210	27.6	134.5
I075214	3.60	0.01	0.26	6.95	20.4	1470	0.69	3.27	8.37	0.02	40.8	28.9	201	36.3	72.9
I075215	5.58	<0.01	0.09	0.19	12	40	0.17	25.1	20.9	0.04	4.62	6.8	3	1.84	12.1
I075216	5.44	<0.01	0.08	0.20	11	40	0.13	2.86	21.4	0.06	9.62	2.2	5	2.22	3.8
I075217	5.36	<0.01	0.15	0.07	8	10	0.06	19.80	19.70	0.06	7.46	1.4	3	1.03	9.5
I075218	5.10	0.04	0.11	0.07	214	20	0.06	49.4	18.50	0.05	9.21	1.5	2	0.80	5.3
I075219	2.46	0.05	0.30	0.07	435	20	0.05	247	17.10	0.04	20.5	2.6	2	1.03	14.4
I075220	5.86	<0.01	0.02	0.09	<5	30	0.09	0.22	20.4	0.04	7.21	1.0	3	0.89	1.6

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 13-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10085428

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I075185		12.80	1.63	0.19	0.2	0.116	0.12	2.7	<0.2	0.07	442	0.81	0.01	0.8	7.1	90
I075186		30.2	1.86	0.52	0.1	0.313	0.07	3.3	<0.2	0.08	973	1.78	<0.01	1.0	9.6	160
I075187		32.5	2.75	0.55	0.2	0.282	0.10	4.9	<0.2	0.13	1130	2.00	0.01	0.9	9.7	210
I075188		48.3	1.39	0.69	0.1	0.127	0.04	1.7	<0.2	0.10	104	5.72	<0.01	0.5	8.4	310
I075189		0.53	0.23	0.06	<0.1	<0.005	0.03	0.6	<0.2	13.05	227	0.09	0.01	0.2	1.6	190
I075190		48.0	2.81	0.88	0.3	0.227	0.12	4.5	<0.2	0.15	540	5.47	<0.01	1.2	14.3	390
I075191		45.4	4.56	0.90	0.4	0.183	0.21	2.7	14.4	0.17	1050	6.42	<0.01	1.0	11.6	450
I075192		7.90	4.63	0.14	0.6	0.117	0.41	12.5	1.4	5.68	2970	0.69	0.01	3.0	14.5	540
I075193		2.02	3.57	0.07	0.6	0.019	0.36	7.6	1.7	10.25	1180	0.23	0.01	4.8	8.7	280
I075194		1.96	3.62	0.07	0.6	0.019	0.37	7.9	4.0	10.20	1110	0.23	0.01	4.6	8.5	280
I075195		4.33	3.00	0.11	0.5	0.062	0.30	8.4	1.3	7.38	1610	0.76	0.01	2.7	8.8	260
I075196		6.69	1.88	0.14	0.3	0.057	0.15	8.6	<0.2	8.35	1380	0.45	0.01	1.3	5.6	160
I075197		0.15	0.29	0.06	<0.1	0.006	0.05	1.4	<0.2	0.78	76	1.12	<0.01	0.4	1.4	10
I075198		0.27	0.86	0.06	0.1	0.035	0.15	2.3	<0.2	0.78	221	1.96	<0.01	0.6	1.8	10
I075199		10.80	1.17	0.22	0.1	0.225	0.08	5.9	0.2	7.30	3120	0.53	0.01	0.4	1.2	30
I075200		20.3	2.25	0.39	0.1	0.085	0.15	3.2	0.2	5.43	2070	0.31	0.01	0.7	3.0	40
I075201		29.4	1.01	0.38	<0.1	0.121	0.05	3.6	<0.2	3.44	1710	0.17	<0.01	0.4	0.7	20
I075202		0.57	0.29	0.08	<0.1	<0.005	0.04	0.8	<0.2	13.95	219	0.21	0.01	0.4	1.7	210
I075203		6.41	3.76	0.10	0.4	0.083	0.71	6.1	1.8	2.65	4870	0.69	0.01	2.1	41.6	130
I075204		18.65	2.29	0.32	0.1	0.050	0.16	4.7	1.0	4.38	3410	0.13	0.01	0.8	5.7	10
I075205		11.65	1.55	0.15	0.1	0.147	0.06	7.2	2.4	9.26	5110	2.54	0.02	1.6	5.2	150
I075206		31.8	5.77	0.41	0.3	0.041	0.40	2.0	1.7	1.23	3500	0.18	0.01	1.1	74.7	20
I075207		8.97	14.25	0.15	0.5	0.055	1.97	10.5	13.3	2.52	2740	0.83	0.10	7.4	125.5	540
I075208		15.55	1.79	0.11	0.2	0.097	0.10	8.6	2.7	7.42	3310	5.00	0.01	1.8	10.6	200
I075209		5.27	18.15	<0.05	0.3	0.066	4.16	13.4	34.7	2.20	952	0.62	0.07	6.9	148.5	720
I075210		6.83	23.0	0.17	0.7	0.049	5.32	15.9	46.9	3.05	517	0.63	0.10	10.2	204	750
I075211		7.90	21.2	0.19	0.5	0.056	5.02	13.6	66.3	3.52	826	0.34	0.66	14.4	209	790
I075212		8.94	20.2	0.21	0.3	0.047	4.45	15.1	47.1	3.66	513	0.45	0.11	10.2	239	730
I075213		9.61	18.90	0.19	0.5	0.038	5.33	13.3	34.5	3.20	392	0.26	0.11	9.6	276	770
I075214		7.04	14.55	0.10	0.8	0.055	4.41	20.3	27.5	3.75	506	0.48	0.08	7.5	208	640
I075215		2.41	1.10	<0.05	0.1	0.014	0.14	2.6	3.6	12.25	739	0.50	0.01	0.4	14.3	30
I075216		1.00	1.22	<0.05	0.1	0.011	0.16	6.2	4.2	12.30	606	0.38	0.01	0.5	4.8	40
I075217		3.86	0.60	0.06	<0.1	0.013	0.05	4.7	3.4	11.60	625	0.12	0.01	0.4	1.6	20
I075218		5.19	0.67	0.07	<0.1	0.011	0.04	5.0	3.4	10.60	564	0.10	0.01	0.3	1.5	10
I075219		10.40	0.94	0.17	<0.1	0.010	0.06	11.4	2.9	9.50	592	0.15	0.01	0.5	5.4	30
I075220		0.24	0.67	0.15	<0.1	0.008	0.05	4.0	4.3	11.75	536	0.24	0.02	0.3	2.3	20

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I075185		134.0	7.9	<0.002	0.02	12.20	2.0	2	1.0	10.2	<0.05	0.19	0.6	0.034	0.15	0.9
I075186		237	3.9	<0.002	0.05	13.80	5.5	2	0.6	14.1	<0.05	0.46	1.6	0.023	0.16	1.9
I075187		217	9.3	<0.002	0.06	9.43	2.9	2	1.7	16.6	<0.05	0.34	1.4	0.017	0.16	1.8
I075188		252	2.6	<0.002	0.11	22.9	1.1	3	1.5	20.3	<0.05	1.68	0.8	0.007	0.09	2.8
I075189		1.5	1.3	<0.002	0.02	0.05	0.3	1	<0.2	40.2	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
I075190		177.0	9.9	<0.002	0.12	17.15	2.4	2	1.9	26.9	<0.05	1.09	0.7	0.022	0.15	3.3
I075191		118.0	21.2	0.002	0.08	43.3	1.9	4	3.4	24.4	<0.05	2.02	0.6	0.022	0.37	2.9
I075192		69.5	46.6	<0.002	0.02	1.22	2.8	2	2.3	33.7	0.16	0.12	0.9	0.086	0.38	1.1
I075193		16.5	29.8	<0.002	0.02	0.90	2.5	2	1.2	80.9	0.26	<0.05	1.0	0.122	0.23	0.6
I075194		14.6	31.6	<0.002	0.02	0.77	2.4	2	1.2	79.5	0.25	<0.05	1.0	0.115	0.25	0.6
I075195		29.2	24.7	<0.002	0.02	0.66	1.9	2	1.7	55.3	0.15	0.06	0.7	0.072	0.18	0.8
I075196		18.5	15.7	<0.002	0.02	0.57	1.2	2	2.2	37.7	0.06	0.07	0.3	0.035	0.10	0.8
I075197		1.3	2.1	0.002	0.05	0.14	0.4	2	<0.2	156.5	<0.05	<0.05	0.2	<0.005	0.03	1.4
I075198		40.5	9.9	<0.002	0.13	1.48	0.7	2	<0.2	176.0	<0.05	<0.05	0.5	0.014	0.10	0.5
I075199		5.2	7.6	<0.002	>10.0	14.85	0.5	2	0.8	90.3	<0.05	0.11	0.3	0.007	0.12	1.3
I075200		5.2	16.4	0.002	>10.0	9.73	0.7	2	0.7	46.9	<0.05	0.12	0.8	0.015	0.21	0.9
I075201		16.0	6.2	<0.002	>10.0	22.8	0.4	4	1.5	42.9	<0.05	0.21	0.3	0.005	0.20	0.6
I075202		1.4	1.9	<0.002	0.09	0.05	0.3	1	<0.2	46.3	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
I075203		980	61.8	0.003	3.72	15.05	5.0	2	2.4	153.0	0.13	0.07	0.7	0.148	0.57	1.3
I075204		1900	24.5	<0.002	>10.0	15.90	0.6	4	1.3	58.2	<0.05	0.12	0.4	0.017	0.37	0.4
I075205		116.0	6.0	0.003	>10.0	3.89	0.6	3	4.2	137.0	<0.05	0.15	0.7	0.011	0.08	0.6
I075206		5640	51.0	<0.002	>10.0	46.5	1.4	12	2.5	35.0	<0.05	0.43	0.5	0.044	1.35	0.4
I075207		1395	120.5	<0.002	5.29	20.1	15.7	4	6.1	84.9	0.35	0.15	1.1	0.481	0.89	0.8
I075208		10.2	16.4	0.002	>10.0	11.70	0.7	3	2.3	92.0	0.07	0.30	0.6	0.021	0.26	0.5
I075209		138.5	218	<0.002	0.60	5.22	23.3	2	8.0	103.5	0.36	<0.05	1.7	0.549	2.49	0.6
I075210		10.3	230	<0.002	3.65	2.56	23.6	2	10.9	76.0	0.53	0.09	1.6	0.603	4.00	0.3
I075211		3.4	261	0.003	0.75	0.83	22.4	2	11.3	151.5	0.71	<0.05	1.7	0.787	3.51	0.3
I075212		1.9	327	0.002	4.22	0.27	20.7	2	14.1	43.2	0.48	0.24	1.5	0.479	2.77	0.2
I075213		2.2	316	<0.002	5.27	0.34	19.4	3	7.9	55.4	0.45	0.18	1.5	0.418	2.69	0.4
I075214		2.1	231	<0.002	3.91	0.47	13.0	2	8.5	39.6	0.38	0.08	2.0	0.420	2.58	1.0
I075215		3.1	22.7	<0.002	1.67	0.38	0.5	2	0.4	65.1	<0.05	0.08	0.2	0.009	0.17	0.6
I075216		3.0	34.3	<0.002	0.75	0.24	0.6	2	0.4	72.4	<0.05	0.06	0.2	0.011	0.17	0.2
I075217		4.1	12.4	<0.002	2.23	0.30	0.4	2	0.3	54.8	<0.05	0.07	<0.2	<0.005	0.08	0.2
I075218		5.2	9.2	<0.002	6.23	0.85	0.4	3	0.6	62.3	<0.05	0.10	<0.2	<0.005	0.06	0.3
I075219		5.1	13.5	0.016	>10.0	2.56	0.8	6	1.9	68.4	<0.05	0.28	0.4	<0.005	0.30	0.3
I075220		2.6	12.0	<0.002	0.05	0.20	0.3	2	0.4	60.7	<0.05	<0.05	<0.2	<0.005	0.07	0.6

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 13-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10085428

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Zn-OG62 Zn % 0.001	As-OG62 As % 0.001
I075185		13	29.1	3.7	551	6.9		
I075186		19	50.6	6.6	1670	5.2		2.11
I075187		24	68.1	10.1	1140	10.0		1.835
I075188		5	18.4	3.4	865	4.2		2.07
I075189		3	0.3	0.8	18	<0.5		
I075190		13	131.0	8.2	795	9.4		2.08
I075191		11	48.6	6.1	636	19.9		2.05
I075192		24	6.3	14.3	880	25.9		
I075193		23	3.0	7.3	194	23.8		
I075194		21	2.7	7.5	199	23.6		
I075195		18	2.5	8.6	435	18.8		
I075196		12	1.5	9.0	409	10.8		
I075197		4	0.1	1.1	4	1.4		
I075198		4	0.6	1.6	144	4.5		
I075199		5	31.0	8.6	23	3.1		
I075200		5	187.0	5.4	10	5.4		3.46
I075201		1	241	3.1	24	2.0		7.26
I075202		3	0.7	0.9	17	0.6		
I075203		23	9.0	6.0	4770	14.0		
I075204		5	23.6	4.4	7940	4.2		
I075205		7	131.5	7.8	483	5.1		
I075206		23	4.5	1.5	>10000	11.7	1.890	
I075207		110	10.0	11.9	>10000	20.0	1.195	
I075208		8	64.4	7.9	62	6.7		2.85
I075209		141	4.6	17.4	640	12.6		
I075210		167	6.8	16.8	87	26.2		
I075211		173	2.6	18.0	68	18.0		
I075212		158	2.1	16.9	28	9.1		
I075213		137	2.2	14.5	18	17.9		
I075214		121	1.8	14.3	16	30.5		
I075215		9	1.1	2.4	7	2.1		
I075216		10	1.0	3.3	9	2.6		
I075217		8	0.9	4.7	12	0.9		
I075218		6	1.3	5.6	13	0.7		
I075219		9	3670	5.3	11	<0.5		
I075220		11	1.9	2.4	10	1.0		

***** See Appendix Page for comments regarding this certificate *****

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 13-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10085428

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 9-JUL-2010
Account: RCM

CERTIFICATE VA10085624

Project: RAU(Grey Copper Hill)

P.O. No.: GCH

This report is for 220 Soil samples submitted to our lab in Vancouver, BC, Canada on 28-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-31	Pulverize split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
SCR-43	Screen to -500um, discard plus
SCR-01	Screen - Save plus fraction

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 9-JUL-2010
Account: RCM

Project: RAU(Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10085624

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC87531		0.16	0.025	0.2	2.00	4	<10	200	0.9	<2	1.29	<0.5	15	37	42	3.00
CC87532		0.22	0.012	<0.2	2.47	6	<10	90	0.8	<2	0.45	<0.5	16	41	29	4.68
CC87533		0.24	0.001	<0.2	4.80	2	<10	320	1.5	<2	1.18	<0.5	35	75	40	8.39
CC87534		0.36	<0.001	0.2	4.47	3	<10	240	0.9	<2	1.09	<0.5	37	192	40	7.20
CC87535		0.20	0.003	0.3	3.94	<2	<10	200	0.8	<2	0.99	<0.5	31	178	33	6.43
CC87536		0.20	0.003	0.9	0.65	65	<10	130	<0.5	<2	12.1	1.4	5	11	22	1.63
CC87537		0.26	0.002	0.7	1.35	50	<10	120	0.5	<2	6.30	0.6	8	20	16	2.36
CC87538		0.30	0.002	0.4	1.90	22	<10	180	0.8	<2	1.07	0.7	11	32	20	3.22
CC87539		0.26	0.005	0.4	1.25	21	<10	130	0.5	<2	9.1	0.7	8	14	14	2.20
CC87540		0.32	0.002	0.4	1.74	23	<10	250	0.7	<2	2.39	0.5	10	27	18	2.83
CC87541		0.20	0.001	0.3	1.67	26	<10	230	0.7	<2	1.05	<0.5	10	27	18	2.93
CC87542		0.24	0.001	0.2	1.73	26	<10	380	0.7	2	0.90	0.5	11	25	17	2.97
CC87543		0.34	0.001	0.2	1.13	22	<10	200	0.5	<2	5.04	<0.5	8	19	16	2.39
CC87544		0.30	0.001	0.4	1.41	31	<10	240	0.7	<2	3.03	<0.5	12	27	21	3.27
CC87545		0.36	<0.001	0.3	1.57	26	<10	160	0.8	<2	1.16	<0.5	12	30	21	3.35
CC87546		0.34	0.002	0.3	1.25	14	<10	260	0.6	<2	0.97	<0.5	10	22	18	3.01
CC87547		0.28	0.002	0.6	1.02	35	<10	320	0.6	<2	5.73	0.6	11	20	24	2.73
CC87548		0.36	0.014	0.5	0.54	16	<10	140	<0.5	<2	11.7	<0.5	7	12	16	1.87
CC87549		0.40	0.002	0.7	0.77	25	<10	280	<0.5	<2	7.24	<0.5	10	16	24	2.38
CC87550		0.30	<0.001	0.4	0.31	20	<10	70	<0.5	<2	14.4	<0.5	6	9	11	1.44
CC87551		0.40	0.007	0.4	0.41	26	<10	100	<0.5	<2	12.5	<0.5	8	10	20	1.92
CC87552		0.44	0.003	0.6	0.38	18	<10	100	<0.5	<2	10.4	<0.5	10	9	21	1.81
CC87553		0.34	0.001	0.6	0.56	22	<10	80	<0.5	<2	12.1	0.7	7	12	13	1.75
CC87554		0.34	0.003	0.6	0.64	24	<10	120	<0.5	<2	11.4	<0.5	6	11	20	1.70
CC87555		0.28	0.002	1.2	0.54	42	<10	170	<0.5	<2	0.23	<0.5	5	14	15	2.40
CC87556		0.36	<0.001	0.5	1.78	14	<10	500	0.6	<2	0.16	<0.5	9	26	19	3.27
CC87557		0.32	0.003	0.7	1.27	19	<10	270	0.6	<2	1.16	<0.5	15	23	35	3.32
CC87558		0.34	0.003	2.1	1.58	36	<10	340	0.6	<2	0.26	<0.5	13	28	36	3.42
CC87559		0.28	0.002	0.8	0.85	24	<10	450	<0.5	<2	0.20	<0.5	10	25	25	4.12
CC87560		0.18	0.003	4.5	0.49	40	<10	330	0.5	<2	1.79	<0.5	12	14	33	3.38
CC87561		0.32	0.002	1.2	0.28	57	<10	130	<0.5	<2	11.0	<0.5	8	9	26	2.03
CC87563		0.34	0.003	1.9	0.23	55	<10	50	<0.5	2	13.3	<0.5	5	6	113	1.68
CC87564		0.38	0.001	0.9	0.58	40	<10	100	<0.5	<2	10.9	<0.5	9	11	29	2.17
CC87565		0.32	0.003	0.8	0.98	44	<10	140	0.7	<2	1.14	<0.5	16	16	46	3.40
CC87566		0.28	0.002	0.5	0.71	18	<10	120	0.8	<2	1.13	<0.5	19	12	63	4.49
CC87567		0.28	0.004	0.5	0.56	14	<10	70	0.5	4	1.10	0.5	12	10	40	3.69
CC87568		0.24	<0.001	0.2	0.81	16	<10	110	0.6	<2	1.23	0.5	18	16	46	3.81
CC87569		0.20	<0.001	<0.2	0.68	10	<10	110	0.6	<2	0.70	0.6	18	12	35	4.26
CC87570		0.22	0.002	<0.2	0.90	12	<10	140	0.5	<2	0.77	1.1	17	19	35	3.78
CC87571		0.32	0.004	0.4	1.03	8	<10	190	0.5	<2	0.44	0.6	13	23	25	3.74

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 9-JUL-2010
Account: RCM

Project: RAU(Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10085624

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC87531		10	1	0.11	10	0.83	680	1	0.01	21	1050	6	0.09	<2	2	23
CC87532		10	1	0.08	10	1.28	680	1	0.01	15	1060	7	0.09	<2	3	19
CC87533		20	<1	0.61	10	4.19	1330	<1	0.02	39	2420	3	0.02	<2	11	75
CC87534		20	1	0.65	10	5.25	1190	<1	0.02	90	2330	3	0.02	<2	5	88
CC87535		10	1	0.45	10	4.25	941	<1	0.02	84	1420	4	0.04	<2	4	61
CC87536		<10	<1	0.05	<10	7.68	1080	10	0.02	12	650	115	0.05	2	1	50
CC87537		<10	<1	0.06	10	4.38	978	5	0.02	15	730	31	0.05	<2	2	29
CC87538		10	<1	0.07	20	1.03	828	7	0.01	27	920	61	0.05	<2	3	17
CC87539		<10	1	0.05	10	5.79	907	5	0.02	12	680	29	0.05	<2	2	45
CC87540		<10	<1	0.06	10	1.74	948	3	0.02	20	670	41	0.05	<2	3	20
CC87541		<10	<1	0.05	10	0.80	1380	4	0.02	21	830	58	0.06	<2	2	15
CC87542		<10	<1	0.07	10	0.64	1845	5	0.02	20	770	56	0.07	<2	3	15
CC87543		<10	<1	0.05	10	3.49	1100	3	0.03	17	620	46	0.05	<2	2	32
CC87544		<10	<1	0.07	10	1.97	1670	3	0.02	25	760	59	0.06	<2	3	26
CC87545		<10	<1	0.06	20	0.75	1230	3	0.01	24	870	38	0.07	<2	3	22
CC87546		<10	<1	0.07	10	0.42	1285	3	0.01	16	1010	23	0.09	<2	2	26
CC87547		<10	<1	0.06	10	3.79	1555	3	0.02	21	890	153	0.09	<2	2	46
CC87548		<10	<1	0.05	10	7.26	925	2	0.03	14	440	28	0.02	<2	2	85
CC87549		<10	<1	0.06	10	4.91	997	4	0.02	20	710	48	0.06	<2	2	60
CC87550		<10	<1	0.03	10	8.61	1095	2	0.03	9	560	22	0.07	<2	1	125
CC87551		<10	<1	0.04	10	7.74	957	3	0.02	14	440	33	0.03	<2	2	109
CC87552		<10	<1	0.05	10	6.47	879	3	0.02	18	490	61	0.02	<2	2	69
CC87553		<10	<1	0.04	10	7.60	1020	3	0.02	12	510	200	0.03	<2	2	86
CC87554		<10	<1	0.05	10	7.17	1240	8	0.02	13	650	50	0.05	2	1	64
CC87555		<10	<1	0.18	20	0.11	639	8	0.01	8	1370	89	0.23	2	<1	48
CC87556		10	<1	0.07	20	0.31	692	2	0.01	20	610	36	0.05	<2	2	14
CC87557		<10	<1	0.09	20	0.87	1275	2	0.02	33	790	42	0.04	<2	5	30
CC87558		<10	1	0.11	20	0.45	872	3	0.02	37	1180	90	0.07	<2	6	44
CC87559		<10	<1	0.13	20	0.17	1915	3	0.01	19	1240	149	0.14	<2	1	35
CC87560		<10	1	0.16	20	0.65	1410	5	0.01	20	1040	160	0.17	5	2	71
CC87561		<10	<1	0.07	10	6.35	1070	2	0.02	15	670	65	0.08	2	2	147
CC87563		<10	<1	0.05	10	8.15	695	2	0.02	9	490	64	0.06	35	1	87
CC87564		<10	<1	0.05	10	6.72	1290	2	0.02	18	890	63	0.06	4	1	66
CC87565		<10	<1	0.08	10	0.43	1690	3	0.01	26	1220	95	0.11	8	2	35
CC87566		<10	<1	0.14	10	0.51	4120	1	0.01	21	910	96	0.07	<2	4	36
CC87567		<10	<1	0.10	10	0.27	3210	1	0.01	14	870	173	0.09	<2	2	31
CC87568		<10	1	0.12	20	0.36	3340	1	0.01	22	1050	89	0.07	<2	3	30
CC87569		<10	<1	0.18	10	0.19	5850	1	0.01	16	1350	42	0.09	<2	3	28
CC87570		<10	1	0.14	10	0.30	3290	1	0.01	16	1200	65	0.09	<2	3	29
CC87571		10	<1	0.13	20	0.32	2570	1	0.01	15	970	21	0.04	<2	2	16

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU(Grey Copper Hill)

Finalized Date: 9-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10085624

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC87531		<20	0.09	<10	<10	66	<10	56
CC87532		<20	0.26	<10	<10	82	<10	66
CC87533		<20	0.58	<10	<10	194	<10	97
CC87534		<20	0.45	<10	<10	168	<10	84
CC87535		<20	0.47	<10	<10	149	<10	81
CC87536		<20	0.01	<10	<10	27	<10	574
CC87537		<20	0.02	<10	<10	38	<10	270
CC87538		<20	0.04	<10	<10	70	<10	228
CC87539		<20	0.10	<10	<10	34	<10	165
CC87540		<20	0.03	<10	<10	49	<10	153
CC87541		<20	0.02	<10	<10	50	<10	174
CC87542		<20	0.03	<10	<10	50	<10	148
CC87543		<20	0.02	<10	<10	34	<10	125
CC87544		<20	0.02	<10	<10	43	<10	141
CC87545		<20	0.02	<10	<10	50	<10	132
CC87546		<20	0.02	<10	<10	40	<10	99
CC87547		<20	0.02	<10	<10	33	<10	260
CC87548		<20	0.02	<10	<10	21	<10	80
CC87549		<20	0.02	<10	<10	28	<10	121
CC87550		<20	0.01	<10	<10	15	<10	81
CC87551		<20	0.01	<10	<10	18	<10	121
CC87552		<20	0.01	<10	<10	17	<10	129
CC87553		<20	0.01	<10	<10	21	<10	386
CC87554		<20	0.01	<10	<10	24	<10	149
CC87555		<20	0.02	<10	<10	49	<10	43
CC87556		<20	0.03	<10	<10	55	<10	54
CC87557		<20	0.03	<10	<10	39	<10	114
CC87558		<20	0.04	<10	<10	46	<10	120
CC87559		<20	0.02	<10	<10	44	<10	124
CC87560		<20	0.01	<10	<10	24	<10	151
CC87561		<20	0.01	<10	<10	15	<10	151
CC87563		<20	0.01	<10	<10	13	<10	157
CC87564		<20	0.01	<10	<10	22	<10	169
CC87565		<20	0.01	<10	<10	31	<10	314
CC87566		<20	0.01	<10	<10	19	<10	416
CC87567		<20	0.01	<10	<10	15	<10	413
CC87568		<20	0.02	<10	<10	24	<10	287
CC87569		<20	0.01	<10	<10	17	<10	234
CC87570		<20	0.02	<10	<10	30	<10	321
CC87571		<20	0.02	<10	<10	37	<10	139

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 9-JUL-2010
Account: RCM

Project: RAU(Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10085624

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC87572		0.30	<0.001	<0.2	1.12	7	<10	180	0.5	<2	0.18	<0.5	14	27	33	3.97
CC87573		0.26	<0.001	<0.2	1.08	7	<10	220	<0.5	<2	0.43	<0.5	10	23	20	3.41
CC87574		0.28	<0.001	0.2	1.33	7	<10	270	0.5	<2	0.74	0.8	12	22	20	4.01
CC87575		0.26	0.002	0.2	1.06	10	<10	180	0.6	<2	0.39	<0.5	16	21	31	4.21
CC87576		0.26	0.001	<0.2	1.26	8	<10	150	0.5	<2	0.99	<0.5	10	21	27	3.29
CC87577		0.40	0.002	<0.2	1.43	12	<10	190	0.6	<2	0.36	<0.5	14	31	32	4.33
CC87578		0.40	<0.001	0.3	1.35	11	<10	170	0.6	2	0.51	<0.5	14	32	31	3.99
CC87579		0.40	0.001	<0.2	1.54	10	<10	170	<0.5	<2	0.19	<0.5	10	32	14	3.68
CC87580		0.36	0.003	0.5	1.00	15	<10	130	0.5	<2	1.32	<0.5	16	29	42	4.13
CC87581		0.28	0.009	0.3	1.40	12	<10	180	0.6	<2	0.72	0.5	12	28	29	4.21
CC87582		0.38	0.002	<0.2	1.38	12	<10	140	0.6	<2	0.71	<0.5	14	30	27	4.37
CC87583		0.38	0.002	0.4	1.40	19	<10	200	0.7	<2	0.54	0.6	14	31	38	5.32
CC87584		0.34	0.003	0.7	1.26	21	<10	230	0.8	2	0.50	0.7	16	29	56	6.30
CC87585		0.30	0.001	<0.2	1.32	11	<10	230	0.6	2	0.60	<0.5	14	27	25	3.69
CC87586		0.24	<0.001	<0.2	4.46	3	<10	320	1.2	<2	1.15	<0.5	37	216	51	8.05
CC87587		0.22	0.002	<0.2	4.53	<2	<10	240	1.2	<2	1.26	<0.5	36	160	40	8.17
CC87588		0.16	<0.001	<0.2	4.02	<2	<10	180	1.2	<2	0.98	<0.5	29	69	24	7.53
CC87589		0.18	0.002	<0.2	3.10	3	<10	120	1.0	<2	1.31	<0.5	24	42	15	5.94
CC87590		0.20	0.001	<0.2	4.01	2	<10	120	1.2	<2	1.31	<0.5	33	53	31	7.65
CC87591		0.16	<0.001	0.3	2.44	9	<10	250	1.1	<2	0.62	<0.5	14	42	47	4.19
CC87592		0.18	<0.001	<0.2	2.42	7	<10	200	0.9	<2	1.01	<0.5	16	53	21	5.01
CC87593		0.14	0.002	<0.2	2.48	7	<10	270	1.1	<2	0.68	<0.5	15	24	30	4.45
CC87594		0.18	0.002	<0.2	2.20	7	<10	220	0.8	<2	0.75	<0.5	15	21	27	4.43
CC87595		0.26	0.001	<0.2	2.14	6	<10	180	0.7	<2	0.99	<0.5	17	54	27	4.28
CC87596		0.22	<0.001	0.4	1.82	10	<10	260	0.6	<2	0.57	0.5	14	42	21	3.85
CC87597		0.18	0.002	<0.2	1.92	7	<10	240	0.7	<2	0.61	<0.5	13	37	25	3.76
CC87598		0.18	<0.001	<0.2	2.34	4	<10	320	0.8	<2	0.72	<0.5	11	33	15	3.76
CC87599		0.16	0.001	<0.2	2.10	11	<10	270	0.8	2	1.46	<0.5	11	30	12	3.47
CC87600		0.14	0.001	0.4	1.66	9	<10	270	0.7	<2	3.30	0.5	10	26	18	3.30
CC87601		0.20	0.003	0.7	1.95	19	<10	280	0.9	<2	0.72	0.8	13	38	29	3.86
CC87602		0.20	0.002	0.4	1.61	21	<10	210	0.8	2	4.91	1.0	10	28	24	3.17
CC87603		0.26	0.001	0.3	1.81	19	<10	210	0.6	<2	0.88	0.7	15	56	32	4.17
CC87604		0.18	<0.001	<0.2	1.64	9	<10	200	0.7	2	1.25	<0.5	10	26	21	2.98
CC87605		0.20	0.002	0.3	1.75	12	<10	190	0.7	<2	1.68	<0.5	10	29	22	3.23
CC87606		0.18	0.001	0.3	1.57	13	<10	180	0.7	<2	3.10	<0.5	9	22	17	2.97
CC87607		0.22	0.002	<0.2	1.45	9	<10	200	0.6	<2	4.22	<0.5	9	23	21	2.71
CC87608		0.22	0.001	0.2	1.60	8	<10	200	0.7	<2	1.23	<0.5	10	24	21	3.34
CC87609		0.22	0.003	<0.2	2.04	7	<10	210	0.8	<2	0.86	<0.5	12	31	19	3.88
CC87610		0.22	0.002	<0.2	2.10	8	<10	250	1.0	<2	0.84	0.5	12	34	24	3.49
CC87611		0.24	0.001	<0.2	1.83	6	<10	240	0.6	<2	0.42	<0.5	16	29	15	4.28

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 9-JUL-2010
Account: RCM

Project: RAU(Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10085624

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC87572		<10	<1	0.14	20	0.36	2550	1	0.01	23	860	25	0.03	<2	2	13
CC87573		<10	1	0.13	10	0.31	2630	1	0.01	13	870	19	0.05	<2	1	18
CC87574		10	1	0.09	10	0.35	4520	1	0.02	13	1460	39	0.10	<2	2	22
CC87575		<10	<1	0.13	20	0.29	2930	2	0.01	18	1070	28	0.05	<2	1	15
CC87576		<10	1	0.08	10	0.38	2160	1	0.01	16	1330	24	0.11	<2	2	28
CC87577		<10	1	0.10	20	0.54	1615	1	0.01	25	710	31	0.03	<2	4	18
CC87578		<10	1	0.09	20	0.55	1340	1	0.01	25	850	28	0.03	<2	4	21
CC87579		10	1	0.08	20	0.39	781	1	0.01	16	550	27	0.02	<2	3	13
CC87580		<10	1	0.10	20	0.96	1770	2	0.02	32	1040	46	0.03	<2	4	33
CC87581		10	1	0.09	20	0.56	2260	1	0.02	27	1240	51	0.07	<2	4	26
CC87582		<10	1	0.07	20	0.53	2230	2	0.02	26	1150	51	0.06	<2	4	24
CC87583		<10	1	0.09	20	0.52	3120	2	0.02	36	1080	68	0.05	<2	6	25
CC87584		<10	1	0.10	20	0.46	4740	2	0.01	40	1150	89	0.05	<2	7	27
CC87585		<10	1	0.12	20	0.45	2000	2	0.01	21	1670	56	0.08	<2	3	24
CC87586		20	2	0.29	10	6.22	1290	<1	0.02	87	2100	2	0.02	<2	10	74
CC87587		20	<1	0.30	20	5.95	1340	<1	0.02	68	2420	<2	0.01	<2	9	78
CC87588		10	2	0.11	20	4.05	1140	<1	0.01	27	1690	5	0.05	<2	7	43
CC87589		10	1	0.10	10	2.22	968	<1	0.02	14	1680	4	0.03	<2	3	50
CC87590		20	1	0.19	20	3.55	1360	<1	0.02	29	1990	5	0.02	<2	6	45
CC87591		10	1	0.09	20	0.86	910	1	0.02	21	1090	12	0.05	<2	3	24
CC87592		10	1	0.10	20	0.97	1025	1	0.02	15	910	14	0.04	<2	3	48
CC87593		10	1	0.12	20	1.16	662	1	0.02	16	1340	10	0.03	<2	4	38
CC87594		10	1	0.10	20	1.04	758	<1	0.02	16	1090	10	0.05	<2	3	30
CC87595		10	1	0.10	20	1.47	673	<1	0.02	28	1790	4	<0.01	<2	4	49
CC87596		10	<1	0.11	10	0.87	622	1	0.02	19	750	8	0.05	<2	2	36
CC87597		10	1	0.11	20	0.81	1025	1	0.02	17	1180	9	0.11	<2	2	23
CC87598		10	1	0.10	20	0.68	891	1	0.02	13	1180	17	0.05	<2	3	21
CC87599		10	<1	0.10	20	0.54	1135	<1	0.02	17	1230	14	0.08	<2	2	25
CC87600		<10	1	0.09	20	0.55	718	<1	0.02	24	870	13	0.06	<2	3	34
CC87601		10	1	0.10	20	0.79	889	14	0.02	49	1490	50	0.02	2	5	27
CC87602		<10	1	0.07	20	3.16	1265	8	0.02	31	1260	48	0.05	<2	3	32
CC87603		10	1	0.10	20	1.08	880	15	0.03	46	1540	39	0.04	2	4	31
CC87604		<10	1	0.07	20	0.57	561	1	0.02	22	780	17	0.04	<2	3	22
CC87605		<10	1	0.09	20	0.62	572	1	0.02	26	850	20	0.04	<2	3	24
CC87606		<10	1	0.09	20	1.05	637	1	0.02	17	1150	14	0.07	<2	2	31
CC87607		<10	<1	0.09	20	1.10	453	1	0.02	18	1110	14	0.05	<2	2	42
CC87608		<10	<1	0.16	20	0.70	582	1	0.02	18	950	13	0.04	<2	3	25
CC87609		10	1	0.14	20	0.98	593	1	0.02	21	1200	10	0.03	<2	3	23
CC87610		<10	<1	0.13	20	0.75	677	1	0.02	23	1580	14	0.06	<2	3	26
CC87611		10	<1	0.14	10	0.78	893	1	0.01	15	1070	8	0.01	<2	3	16

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CERTIFICATE OF ANALYSIS VA10085624

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC87572		<20	0.03	<10	<10	38	<10	126
CC87573		<20	0.02	<10	<10	42	<10	89
CC87574		<20	0.02	<10	<10	40	<10	161
CC87575		<20	0.02	<10	<10	38	<10	134
CC87576		<20	0.02	<10	<10	37	<10	100
CC87577		<20	0.03	<10	<10	46	<10	143
CC87578		<20	0.03	<10	<10	46	<10	122
CC87579		<20	0.05	<10	<10	58	<10	106
CC87580		<20	0.04	<10	<10	41	<10	169
CC87581		<20	0.03	<10	<10	48	<10	167
CC87582		<20	0.03	<10	<10	51	<10	150
CC87583		<20	0.03	<10	<10	52	<10	186
CC87584		<20	0.03	<10	<10	49	<10	280
CC87585		<20	0.02	<10	<10	47	<10	150
CC87586		<20	0.43	<10	<10	196	<10	92
CC87587		<20	0.58	<10	<10	189	<10	93
CC87588		<20	0.46	<10	<10	170	<10	101
CC87589		<20	0.57	<10	<10	110	<10	91
CC87590		<20	0.52	<10	<10	155	<10	99
CC87591		<20	0.13	<10	<10	74	<10	79
CC87592		<20	0.30	<10	<10	100	<10	69
CC87593		<20	0.31	<10	<10	94	<10	84
CC87594		<20	0.33	<10	<10	90	<10	77
CC87595		<20	0.45	<10	<10	80	<10	76
CC87596		<20	0.28	<10	<10	85	<10	80
CC87597		<20	0.18	<10	<10	77	<10	61
CC87598		<20	0.08	<10	<10	80	<10	83
CC87599		<20	0.03	<10	<10	56	<10	85
CC87600		<20	0.04	<10	<10	43	<10	124
CC87601		<20	0.09	<10	<10	112	<10	219
CC87602		<20	0.05	<10	<10	70	<10	159
CC87603		<20	0.22	<10	<10	112	<10	240
CC87604		<20	0.03	<10	<10	45	<10	86
CC87605		<20	0.03	<10	<10	48	<10	85
CC87606		<20	0.04	<10	<10	41	<10	76
CC87607		<20	0.03	<10	<10	40	<10	75
CC87608		<20	0.11	<10	<10	46	<10	74
CC87609		<20	0.16	<10	<10	53	<10	75
CC87610		<20	0.06	<10	<10	54	<10	87
CC87611		<20	0.31	<10	<10	70	<10	80

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU(Grey Copper Hill)

Finalized Date: 9-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10085624

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC87612		0.18	0.002	<0.2	2.03	13	<10	240	0.7	<2	0.78	<0.5	12	32	27	3.68
CC87613		0.18	0.002	0.4	2.08	4	<10	550	0.8	<2	0.60	<0.5	11	25	19	3.59
CC87614		0.16	0.003	0.2	1.61	7	<10	180	0.7	<2	1.06	<0.5	10	27	18	3.02
CC87615		0.16	0.003	<0.2	1.86	8	<10	240	0.8	<2	1.61	<0.5	10	28	17	3.23
CC87616		0.22	0.003	<0.2	1.56	11	<10	180	0.6	2	5.81	<0.5	10	23	20	3.16
CC87617		0.16	0.001	0.4	1.69	9	<10	190	0.7	<2	2.65	<0.5	10	27	20	3.31
CC87618		0.16	0.002	0.3	1.47	9	<10	180	0.6	<2	3.73	<0.5	10	22	20	3.06
CC87619		0.20	0.002	<0.2	1.41	7	<10	180	0.6	<2	5.63	<0.5	9	22	17	2.81
CC87620		0.24	0.002	<0.2	1.27	8	<10	130	0.5	<2	7.9	<0.5	9	21	18	2.43
CC87621		0.28	0.002	<0.2	0.88	3	<10	120	<0.5	2	14.8	<0.5	6	14	15	1.71
CC87622		0.24	0.002	0.2	0.99	8	<10	160	<0.5	<2	11.4	<0.5	7	16	17	2.03
CC87623		0.18	0.002	<0.2	1.27	6	<10	180	0.5	<2	3.49	0.7	9	21	17	3.06
CC87624		0.16	0.003	0.2	1.63	14	<10	470	0.6	<2	2.14	<0.5	11	21	21	3.55
CC87625		0.20	0.002	<0.2	2.42	7	<10	390	1.2	<2	0.70	<0.5	15	38	30	4.19
CC87626		0.20	0.003	<0.2	2.10	4	<10	230	0.7	<2	0.62	<0.5	15	44	31	4.69
CC87627		0.22	0.002	<0.2	2.51	9	<10	320	0.9	<2	1.17	<0.5	15	40	26	4.03
CC87628		0.18	0.002	0.5	1.23	20	<10	150	0.5	<2	7.5	<0.5	8	21	20	2.41
CC87629		0.10	0.004	0.6	1.94	13	<10	330	0.8	<2	2.35	1.3	13	43	36	3.46
CC87630		0.14	0.002	<0.2	2.04	13	<10	240	0.6	<2	1.03	0.9	15	63	27	4.04
CC87631		0.14	0.004	0.5	1.81	25	<10	170	0.7	2	1.32	0.9	13	35	22	3.92
CC87632		0.20	0.002	0.4	1.69	18	<10	210	0.6	<2	4.34	0.9	11	30	30	3.11
CC87633		0.16	0.004	0.5	0.67	25	<10	140	0.7	2	9.3	1.0	10	15	28	2.72
CC87634		0.22	0.004	0.3	1.65	38	<10	190	0.8	<2	3.45	0.9	13	29	24	3.74
CC87635		0.18	0.004	0.3	1.61	29	<10	200	0.7	<2	3.50	0.5	12	28	23	3.43
CC87636		0.18	0.002	0.3	0.93	19	<10	160	<0.5	2	9.5	0.8	7	16	15	2.07
CC87637		0.14	0.004	0.3	1.54	11	<10	380	0.5	2	1.36	0.7	11	23	19	2.81
CC87638		0.14	0.002	0.5	1.33	14	<10	2340	<0.5	<2	0.36	<0.5	4	21	11	2.90
CC87639		0.20	0.002	0.8	1.59	22	<10	1090	0.7	<2	1.33	0.6	15	26	24	3.54
CC87640		0.14	0.004	0.7	1.25	34	<10	740	0.8	2	2.24	1.0	22	24	36	4.38
CC87641		0.12	0.002	0.5	1.56	25	<10	280	0.6	<2	4.40	0.6	12	29	22	3.24
CC87642		0.20	0.002	0.7	1.44	27	<10	660	0.7	<2	4.11	1.2	13	26	28	3.27
CC87643		0.18	0.003	1.3	0.99	26	<10	410	0.5	<2	6.60	1.0	13	19	38	2.99
CC87644		0.12	0.004	0.7	1.14	21	<10	510	0.6	2	2.87	0.7	12	20	28	3.07
CC87645		0.22	0.006	0.6	1.07	23	<10	290	0.5	<2	8.8	0.7	12	20	34	2.94
CC87646		0.28	0.006	0.9	1.16	30	<10	430	0.6	<2	4.01	0.8	15	22	38	3.66
CC87647		0.16	0.004	1.1	1.30	26	<10	420	0.7	<2	1.41	0.6	16	24	35	3.60
CC87648		0.20	0.005	0.9	1.35	18	<10	580	0.6	<2	1.22	0.6	12	24	35	3.13
CC87649		0.22	0.003	0.6	0.95	18	<10	270	0.5	<2	6.94	<0.5	11	18	29	2.90
CC87650		0.16	0.003	0.5	0.95	18	<10	360	0.5	<2	1.02	0.7	14	21	39	3.37
CC87651		0.18	0.005	0.3	1.03	13	<10	200	0.5	<2	1.45	<0.5	11	22	31	2.86

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Finalized Date: 9-JUL-2010
Account: RCM

Project: RAU(Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10085624

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC87612		10	<1	0.09	10	0.86	515	1	0.02	21	980	11	0.04	<2	2	20
CC87613		10	<1	0.13	20	0.73	748	<1	0.02	15	1580	8	0.06	<2	1	24
CC87614		<10	<1	0.08	20	0.61	574	1	0.02	20	740	15	0.04	<2	3	21
CC87615		10	<1	0.10	20	0.70	775	1	0.02	19	1030	17	0.07	<2	2	25
CC87616		10	1	0.11	20	1.62	700	<1	0.02	19	1140	13	0.05	<2	3	51
CC87617		<10	<1	0.11	20	1.20	760	1	0.02	21	910	18	0.04	<2	3	31
CC87618		<10	1	0.11	20	1.26	646	1	0.02	18	1230	17	0.07	<2	2	37
CC87619		<10	1	0.09	20	1.31	386	1	0.02	18	1120	11	0.06	<2	2	56
CC87620		<10	1	0.07	20	0.88	419	1	0.02	18	480	13	0.03	<2	2	64
CC87621		<10	<1	0.08	10	2.91	333	1	0.02	13	610	11	0.04	<2	2	111
CC87622		<10	<1	0.08	10	1.98	424	<1	0.02	15	680	13	0.02	<2	2	98
CC87623		<10	1	0.09	20	0.44	537	1	0.02	24	920	11	0.12	<2	2	41
CC87624		<10	1	0.11	20	0.60	863	<1	0.02	15	1740	11	0.11	<2	2	40
CC87625		10	1	0.14	20	1.33	751	1	0.02	19	1330	8	0.04	<2	3	31
CC87626		10	1	0.14	20	1.18	714	1	0.02	23	1220	10	0.05	<2	2	28
CC87627		10	1	0.10	20	0.97	817	1	0.02	23	870	10	0.03	<2	3	27
CC87628		<10	1	0.07	10	5.02	919	3	0.03	19	550	30	0.03	<2	2	38
CC87629		10	<1	0.09	20	1.46	810	6	0.03	33	1370	53	0.09	<2	3	33
CC87630		10	<1	0.10	20	1.30	773	9	0.02	40	1330	39	0.03	<2	5	29
CC87631		<10	1	0.08	20	1.31	838	8	0.02	28	930	51	0.05	<2	3	20
CC87632		10	<1	0.08	10	3.03	701	7	0.03	28	1050	26	0.04	2	3	37
CC87633		<10	1	0.06	10	4.97	1715	6	0.02	24	1330	30	0.11	3	1	102
CC87634		10	<1	0.08	10	2.31	1390	5	0.02	30	700	51	0.04	2	4	36
CC87635		10	<1	0.07	10	2.28	1285	3	0.02	26	750	41	0.05	2	3	39
CC87636		<10	<1	0.05	10	5.64	1180	4	0.03	14	810	37	0.06	2	2	47
CC87637		10	<1	0.08	10	0.52	999	1	0.02	17	1190	20	0.10	<2	2	31
CC87638		10	<1	0.07	10	0.22	323	2	0.04	7	270	25	0.05	<2	2	33
CC87639		10	1	0.09	10	0.65	1220	2	0.03	32	1070	188	0.07	<2	3	32
CC87640		10	<1	0.10	20	1.21	2340	3	0.02	48	1110	85	0.06	3	5	59
CC87641		10	<1	0.09	10	2.74	1355	3	0.02	22	820	41	0.05	3	3	39
CC87642		10	1	0.08	10	2.25	1460	3	0.03	26	1260	78	0.10	2	2	42
CC87643		10	<1	0.07	10	4.36	1110	2	0.02	34	830	170	0.03	3	3	57
CC87644		<10	<1	0.10	10	1.40	1240	2	0.01	29	1070	50	0.08	2	2	37
CC87645		<10	<1	0.10	10	5.45	1120	3	0.01	28	770	49	0.01	2	3	69
CC87646		10	<1	0.08	10	2.47	1185	3	0.01	39	1030	76	0.05	4	3	45
CC87647		<10	1	0.11	10	0.75	1400	2	0.02	40	1200	67	0.08	3	3	37
CC87648		10	<1	0.09	10	0.53	1095	1	0.03	30	1340	54	0.10	3	3	41
CC87649		<10	<1	0.11	10	4.60	1375	3	0.03	24	770	53	0.03	3	3	57
CC87650		<10	<1	0.11	10	0.47	1765	2	0.02	30	1220	46	0.08	2	3	30
CC87651		<10	<1	0.10	10	0.86	841	1	0.02	23	990	26	0.05	2	3	31

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Project: RAU(Grey Copper Hill)

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CERTIFICATE OF ANALYSIS VA10085624

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC87612		<20	0.12	<10	<10	57	<10	72
CC87613		<20	0.10	<10	<10	55	<10	75
CC87614		<20	0.04	<10	<10	48	<10	72
CC87615		<20	0.03	<10	<10	51	<10	91
CC87616		<20	0.04	<10	<10	40	<10	72
CC87617		<20	0.04	<10	<10	48	<10	80
CC87618		<20	0.03	<10	<10	39	<10	76
CC87619		<20	0.03	<10	<10	40	<10	66
CC87620		<20	0.04	<10	<10	38	<10	68
CC87621		<20	0.02	<10	<10	23	<10	87
CC87622		<20	0.04	<10	<10	29	<10	65
CC87623		<20	0.02	<10	<10	32	<10	97
CC87624		<20	0.03	<10	<10	40	<10	59
CC87625		<20	0.12	<10	<10	60	<10	78
CC87626		<20	0.27	<10	<10	77	<10	84
CC87627		<20	0.21	<10	<10	72	<10	67
CC87628		<20	0.03	<10	<10	40	<10	93
CC87629		<20	0.04	<10	<10	107	<10	226
CC87630		<20	0.11	<10	<10	100	<10	193
CC87631		<20	0.06	<10	<10	78	<10	218
CC87632		<20	0.07	<10	<10	70	<10	148
CC87633		<20	0.01	<10	<10	33	<10	176
CC87634		<20	0.04	<10	<10	57	<10	166
CC87635		<20	0.03	<10	<10	56	<10	151
CC87636		<20	0.02	<10	<10	34	<10	165
CC87637		<20	0.02	<10	<10	46	<10	103
CC87638		<20	0.07	<10	<10	91	<10	61
CC87639		<20	0.03	<10	<10	54	<10	268
CC87640		<20	0.03	<10	<10	46	<10	366
CC87641		<20	0.03	<10	<10	51	<10	155
CC87642		<20	0.02	<10	<10	48	<10	349
CC87643		<20	0.03	<10	<10	37	<10	385
CC87644		<20	0.02	<10	<10	40	<10	216
CC87645		<20	0.04	<10	<10	39	<10	198
CC87646		<20	0.02	<10	<10	40	<10	245
CC87647		<20	0.02	<10	<10	46	<10	244
CC87648		<20	0.02	<10	<10	43	<10	192
CC87649		<20	0.03	<10	<10	31	<10	141
CC87650		<20	0.02	<10	<10	35	<10	219
CC87651		<20	0.03	<10	<10	38	<10	131

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CERTIFICATE OF ANALYSIS VA10085624

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC87652		0.18	0.005	0.3	0.88	11	<10	150	<0.5	<2	1.54	<0.5	12	22	34	2.80
CC87653		0.16	0.003	0.3	1.48	15	<10	250	0.5	<2	0.42	0.7	17	36	33	4.01
CC87654		0.20	0.002	0.5	1.34	19	<10	290	0.5	<2	0.41	<0.5	14	25	27	3.38
CC87655		0.20	0.003	1.2	1.58	32	<10	420	0.6	<2	0.75	<0.5	14	27	40	3.64
CC87656		0.14	0.005	1.1	1.35	19	<10	520	0.7	<2	0.84	1.0	17	23	89	4.00
CC87657		0.20	0.004	1.2	1.24	27	<10	430	0.6	<2	0.59	1.1	16	24	49	3.86
CC87658		0.24	0.003	0.5	1.67	16	<10	360	0.6	<2	0.40	0.6	13	30	29	3.42
CC87659		0.20	0.003	0.7	1.42	18	<10	370	0.5	<2	0.32	<0.5	13	25	28	3.21
CC87660		0.24	0.004	0.5	1.36	15	<10	220	0.5	<2	0.38	<0.5	12	28	23	3.14
CC87661		0.20	0.007	0.6	1.58	17	<10	230	0.7	<2	0.62	<0.5	13	33	23	3.93
CC87662		0.16	0.002	0.4	1.22	11	<10	130	<0.5	<2	0.17	<0.5	6	22	11	2.53
CC87663		0.18	0.003	0.5	0.95	14	<10	130	<0.5	2	0.11	0.9	5	17	15	2.44
CC87664		0.26	0.004	0.3	1.87	10	<10	170	0.6	<2	4.39	<0.5	11	35	14	3.26
CC87665		0.22	0.003	0.7	2.05	19	<10	240	0.8	<2	3.09	0.7	12	33	28	3.48
CC87666		0.22	0.004	0.6	2.05	20	<10	240	0.8	<2	0.77	1.1	12	41	21	3.46
CC87667		0.22	0.003	0.4	2.21	15	<10	260	0.7	<2	0.71	0.7	13	46	20	3.58
CC87668		0.30	0.003	0.3	2.03	20	<10	250	0.8	<2	0.86	0.7	13	33	19	3.53
CC87669		0.24	0.007	0.6	1.22	24	<10	160	0.7	3	3.49	0.5	11	22	36	3.23
CC87670		0.44	0.005	0.3	1.50	21	<10	220	0.6	<2	3.74	<0.5	10	28	28	3.11
CC87671		0.34	0.002	0.3	1.47	27	<10	220	0.8	<2	0.72	<0.5	12	28	25	3.78
CC87672		0.42	0.003	0.2	1.59	18	<10	220	0.7	<2	0.62	<0.5	9	28	19	3.37
CC87673		0.38	0.002	0.2	2.26	15	<10	220	0.7	<2	0.38	<0.5	11	34	16	3.71
CC87674		0.40	0.005	0.2	1.59	19	<10	250	0.7	<2	0.51	<0.5	13	29	28	3.75
CC87675		0.36	0.003	0.2	1.81	16	<10	200	0.8	<2	0.53	<0.5	11	32	19	4.10
CC87676		0.36	0.004	0.2	2.05	17	<10	260	0.8	<2	0.53	<0.5	11	34	19	3.75
CC87677		0.28	0.007	0.5	1.49	22	<10	190	0.6	<2	1.88	0.6	11	26	21	3.05
CC87678		0.24	0.003	0.5	1.67	16	<10	280	0.7	<2	2.90	0.8	11	29	23	3.21
CC87679		0.42	0.006	0.4	1.78	18	<10	270	0.7	2	3.77	0.8	12	30	23	3.38
CC87680		0.26	0.004	0.5	2.09	17	<10	320	0.9	<2	0.90	0.8	13	39	25	3.79
CC87681		0.26	0.003	0.7	2.03	17	<10	340	0.9	<2	0.99	1.1	14	40	31	3.71
CC87682		0.28	0.003	0.3	1.74	15	<10	360	0.8	<2	1.00	1.0	12	36	22	3.70
CC87683		0.22	0.007	0.3	1.73	19	<10	360	1.1	<2	2.01	2.2	11	32	32	3.25
CC87684		0.28	0.004	0.4	1.72	15	<10	300	0.9	<2	1.50	1.2	11	33	29	3.50
CC87685		0.22	0.004	0.2	1.96	16	<10	300	1.2	<2	1.03	1.4	12	39	27	3.84
CC87686		0.36	0.015	0.7	1.95	23	<10	430	2.3	<2	1.05	1.5	12	43	49	3.68
CC87687		0.38	0.009	0.5	2.24	11	<10	330	1.8	<2	1.61	0.8	12	43	35	4.41
CC87688		0.22	0.006	0.2	1.81	14	<10	210	1.2	<2	1.16	1.3	11	33	22	3.75
CC87689		0.32	0.008	0.5	1.80	12	<10	180	1.4	<2	1.71	1.3	10	33	32	3.36
CC87690		0.32	0.004	1.1	2.00	16	<10	200	1.8	2	1.27	2.1	11	35	41	3.73
CC87691		0.28	0.004	0.8	2.52	24	<10	260	3.1	2	0.79	1.6	18	115	86	4.52

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
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Finalized Date: 9-JUL-2010
Account: RCM

Project: RAU(Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10085624

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC87652		<10	<1	0.10	20	0.94	960	1	0.02	24	1080	16	0.02	2	3	37
CC87653		10	<1	0.11	20	0.67	2160	2	0.02	34	960	56	0.03	3	4	25
CC87654		10	<1	0.10	10	0.44	1100	1	0.01	24	980	85	0.03	3	3	30
CC87655		10	<1	0.10	10	0.54	1300	1	0.02	25	1180	77	0.06	4	3	44
CC87656		10	<1	0.09	10	0.45	2350	1	0.02	32	990	113	0.05	5	4	36
CC87657		10	<1	0.10	10	0.39	1725	1	0.02	33	910	143	0.05	6	4	34
CC87658		10	1	0.14	20	0.51	1055	1	0.03	24	680	72	0.03	2	3	24
CC87659		<10	<1	0.15	10	0.40	600	1	0.02	26	1020	88	0.05	3	3	30
CC87660		10	<1	0.12	20	0.50	805	1	0.02	24	610	81	0.02	2	3	24
CC87661		10	<1	0.16	20	0.56	1210	1	0.02	26	860	59	0.04	2	3	23
CC87662		10	1	0.13	10	0.25	403	1	0.02	10	520	140	0.03	<2	2	15
CC87663		10	<1	0.13	10	0.09	406	1	0.01	7	520	104	0.02	2	2	12
CC87664		10	1	0.08	10	3.36	800	2	0.01	20	930	18	<0.01	<2	3	32
CC87665		10	<1	0.14	20	2.21	1585	5	0.03	32	880	34	0.05	3	4	35
CC87666		10	<1	0.11	20	0.89	612	4	0.03	34	940	28	0.03	2	4	27
CC87667		10	<1	0.11	20	0.92	808	4	0.03	33	810	22	0.04	2	4	23
CC87668		10	<1	0.10	20	0.71	1100	6	0.02	26	990	30	0.07	<2	4	20
CC87669		<10	<1	0.16	10	2.19	892	5	0.03	26	1110	33	0.06	4	4	41
CC87670		10	<1	0.10	20	2.51	708	4	0.02	27	1000	24	0.03	3	4	43
CC87671		<10	<1	0.14	20	0.52	981	5	0.02	27	920	40	0.08	2	3	23
CC87672		<10	<1	0.10	20	0.59	446	2	0.02	24	880	24	0.06	<2	4	23
CC87673		10	<1	0.08	10	0.57	584	2	<0.01	26	770	21	0.01	2	3	20
CC87674		10	1	0.11	20	0.57	850	3	0.01	30	1040	23	0.01	2	5	29
CC87675		10	<1	0.11	20	0.62	782	2	0.01	25	900	24	0.02	<2	5	24
CC87676		10	<1	0.09	20	0.61	884	2	0.01	24	1030	22	0.04	<2	4	22
CC87677		<10	<1	0.07	10	0.81	895	4	0.01	23	1240	40	0.10	<2	2	26
CC87678		10	<1	0.09	20	1.66	874	3	0.02	26	1180	34	0.08	2	3	32
CC87679		10	<1	0.09	20	2.60	920	4	0.02	27	850	31	0.05	2	3	30
CC87680		10	<1	0.13	20	0.96	997	4	0.02	33	910	37	0.05	2	4	26
CC87681		10	<1	0.11	20	1.09	980	6	0.02	40	1030	36	0.06	3	4	28
CC87682		10	1	0.12	20	1.06	877	7	0.03	33	920	35	0.06	<2	4	25
CC87683		<10	1	0.12	20	0.99	903	5	0.02	33	1210	21	0.09	<2	3	42
CC87684		10	<1	0.12	20	1.20	801	8	0.02	37	1390	24	0.08	<2	3	37
CC87685		10	1	0.17	30	1.21	793	9	0.03	38	1420	19	0.04	<2	4	44
CC87686		10	1	0.17	40	1.03	1040	14	0.02	61	1270	38	0.04	<2	5	36
CC87687		10	<1	0.17	40	1.83	822	7	0.02	37	1680	22	0.02	<2	5	53
CC87688		10	1	0.14	20	1.12	676	9	0.02	27	1100	23	0.07	<2	3	48
CC87689		10	1	0.16	30	1.09	692	11	0.02	34	1120	23	0.07	<2	3	54
CC87690		10	1	0.22	40	1.18	802	16	0.01	55	990	31	0.06	<2	4	38
CC87691		10	1	0.19	40	2.24	699	19	0.02	96	1540	54	0.03	3	9	34

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Project: RAU(Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10085624

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC87652		<20	0.05	<10	<10	40	<10	111
CC87653		<20	0.05	<10	<10	56	<10	237
CC87654		<20	0.03	<10	<10	46	<10	289
CC87655		<20	0.03	<10	<10	47	<10	249
CC87656		<20	0.02	<10	<10	41	<10	289
CC87657		<20	0.03	<10	<10	38	<10	395
CC87658		<20	0.04	<10	<10	53	<10	144
CC87659		<20	0.03	<10	<10	48	<10	157
CC87660		<20	0.04	<10	<10	46	<10	135
CC87661		<20	0.04	<10	<10	52	<10	162
CC87662		<20	0.06	<10	<10	68	<10	95
CC87663		<20	0.08	<10	<10	102	<10	98
CC87664		<20	0.15	<10	<10	67	<10	93
CC87665		<20	0.08	<10	<10	72	<10	143
CC87666		<20	0.10	<10	<10	92	<10	175
CC87667		<20	0.12	<10	<10	99	<10	149
CC87668		<20	0.04	<10	<10	76	<10	143
CC87669		<20	0.05	<10	<10	46	<10	105
CC87670		<20	0.06	<10	<10	56	<10	112
CC87671		<20	0.04	<10	<10	52	<10	116
CC87672		<20	0.03	<10	<10	51	<10	90
CC87673		<20	0.04	<10	<10	66	<10	83
CC87674		<20	0.04	<10	<10	54	<10	103
CC87675		<20	0.04	<10	<10	66	<10	107
CC87676		<20	0.04	<10	<10	67	<10	95
CC87677		<20	0.03	<10	<10	51	<10	114
CC87678		<20	0.04	<10	<10	60	<10	142
CC87679		<20	0.05	<10	<10	65	<10	128
CC87680		<20	0.07	<10	<10	89	<10	175
CC87681		<20	0.07	<10	<10	96	<10	200
CC87682		<20	0.08	<10	<10	97	10	219
CC87683		<20	0.06	<10	<10	105	<10	261
CC87684		<20	0.07	<10	<10	98	<10	206
CC87685		<20	0.11	<10	<10	131	<10	274
CC87686		<20	0.06	<10	<10	190	<10	397
CC87687		<20	0.16	<10	<10	114	<10	234
CC87688		<20	0.12	<10	<10	99	<10	229
CC87689		<20	0.09	<10	<10	123	<10	245
CC87690		<20	0.10	<10	<10	186	<10	377
CC87691		<20	0.20	<10	<10	301	<10	642

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 9-JUL-2010
Account: RCM

Project: RAU(Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10085624

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC87692		0.32	0.003	0.2	3.12	<2	<10	280	2.5	<2	1.35	0.5	21	177	47	5.78
CC87693		0.44	0.002	<0.2	4.47	2	<10	460	2.1	<2	1.19	<0.5	38	303	67	7.57
CC87694		0.26	0.008	<0.2	1.40	6	<10	280	1.8	<2	0.37	1.2	11	37	19	3.73
CC87695		0.30	0.003	<0.2	2.55	<2	<10	310	2.2	<2	0.43	<0.5	16	51	26	4.98
CC87696		0.38	0.005	<0.2	3.64	<2	<10	190	2.1	<2	0.72	<0.5	21	103	20	6.41
CC87697		0.26	0.004	<0.2	4.34	4	<10	390	2.3	<2	1.26	<0.5	32	178	52	7.48
CC87698		0.36	0.002	<0.2	4.54	3	<10	350	2.1	<2	1.06	<0.5	30	88	30	8.63
CC87699		0.26	0.001	<0.2	3.02	3	<10	190	0.9	<2	1.07	<0.5	21	65	21	5.27
CC87700		0.36	0.003	<0.2	4.50	4	<10	310	2.0	<2	0.79	<0.5	30	67	32	7.54
CC87701		0.28	0.003	<0.2	2.54	4	<10	160	0.9	<2	1.38	<0.5	18	35	24	4.60
CC87702		0.26	0.003	0.3	2.80	3	<10	190	0.7	<2	0.81	<0.5	18	31	16	5.09
CC87703		0.22	0.003	<0.2	1.91	2	<10	250	0.9	<2	2.10	<0.5	12	30	18	3.36
CC87704		0.38	0.005	<0.2	2.76	2	<10	220	0.9	<2	1.81	<0.5	22	25	15	5.44
CC87705		0.32	0.004	0.2	1.33	11	<10	190	0.5	<2	5.20	<0.5	9	23	16	2.68
CC87706		0.38	0.004	<0.2	1.24	11	<10	220	0.5	<2	5.30	0.6	8	21	17	2.50
CC87707		0.34	0.003	<0.2	1.25	11	<10	170	0.5	<2	1.49	0.6	9	23	16	2.96
CC87708		0.30	0.004	0.4	1.03	16	<10	130	0.5	2	0.31	0.6	10	37	24	3.71
CC87709		0.22	0.004	0.4	1.09	8	<10	210	0.5	<2	0.56	<0.5	9	21	24	3.21
CC87710		0.28	0.003	0.5	1.41	13	<10	170	0.6	<2	0.26	<0.5	11	24	19	3.42
CC87711		0.20	0.004	<0.2	1.07	6	<10	230	0.5	<2	0.39	<0.5	10	22	17	2.96
CC87712		0.28	0.004	<0.2	1.39	14	<10	190	0.7	<2	0.33	<0.5	11	28	20	3.57
CC87713		0.26	0.004	<0.2	1.18	20	<10	190	0.7	3	1.18	0.9	10	24	26	3.89
CC87714		0.28	0.003	<0.2	1.59	23	<10	180	0.8	<2	1.02	0.7	12	30	20	3.67
CC87715		0.24	0.005	0.5	0.83	47	<10	150	0.8	2	3.93	1.0	14	21	23	4.52
CC87716		0.24	0.005	<0.2	1.29	23	<10	210	0.6	2	1.11	0.5	9	25	22	2.98
CC87717		0.28	0.005	<0.2	1.28	21	<10	170	0.6	<2	2.65	0.5	9	25	22	2.99
CC87718		0.34	0.004	0.4	0.71	18	<10	110	0.5	2	10.7	0.6	6	14	16	1.91
CC87719		0.36	0.007	0.5	0.68	30	<10	110	0.5	<2	8.8	0.7	6	13	22	2.22
CC87720		0.30	0.005	0.4	1.13	18	<10	200	1.0	<2	0.94	1.3	10	26	33	3.52
CC87721		0.22	0.006	0.6	1.42	16	<10	210	0.9	<2	0.74	1.0	9	26	24	3.45
CC87722		0.24	0.008	0.4	1.42	13	<10	240	0.7	<2	1.05	0.8	11	27	20	3.06
CC87723		0.30	0.005	0.2	1.81	11	<10	210	1.1	<2	0.70	0.8	11	30	22	4.03
CC87724		0.32	0.002	0.3	1.97	12	<10	200	1.0	<2	0.42	0.6	12	36	19	4.06
CC87725		0.36	0.003	0.4	1.76	17	<10	200	0.9	<2	0.46	1.3	12	32	30	3.40
CC87726		0.26	0.005	0.4	2.29	22	<10	310	1.3	<2	0.50	1.3	10	44	39	3.35
CC87727		0.24	0.004	0.8	1.91	19	<10	170	1.4	<2	0.95	2.8	12	76	43	2.94
CC87728		0.28	0.004	0.6	1.73	25	<10	270	2.5	<2	0.88	2.0	7	46	54	2.68
CC87729		0.28	0.012	1.5	1.01	33	<10	190	4.0	<2	2.29	6.9	6	28	124	2.57
CC87730		0.32	0.008	<0.2	1.37	11	<10	230	2.7	<2	0.55	0.5	7	24	18	3.59
CC87731		0.20	0.004	<0.2	1.12	6	<10	150	0.9	<2	0.14	0.5	8	24	11	2.93

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CERTIFICATE OF ANALYSIS VA10085624

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC87692		10	1	0.12	30	3.16	1005	5	0.01	72	1260	88	0.07	<2	9	33
CC87693		20	1	0.42	20	6.16	1280	<1	0.02	109	2220	5	0.02	<2	18	60
CC87694		10	<1	0.17	30	0.71	2050	3	0.03	17	980	18	0.08	<2	3	24
CC87695		10	1	0.14	20	2.11	872	2	0.02	25	1110	15	0.09	<2	3	29
CC87696		20	1	0.25	30	3.10	1180	<1	0.02	41	1610	7	0.01	<2	6	69
CC87697		20	1	0.82	20	5.00	1470	1	0.02	75	1600	10	0.03	<2	10	88
CC87698		20	1	1.27	30	4.00	1675	<1	0.01	40	2250	8	0.02	<2	9	90
CC87699		10	1	0.23	20	2.84	818	<1	0.02	29	1350	8	0.06	<2	6	36
CC87700		20	1	0.48	20	4.67	881	<1	0.02	38	2020	9	0.03	2	9	76
CC87701		10	<1	0.44	20	1.59	828	<1	0.03	27	1840	12	0.04	2	4	41
CC87702		10	<1	0.49	20	1.77	848	<1	0.03	21	1360	12	0.05	<2	4	30
CC87703		10	<1	0.40	20	0.86	768	<1	0.03	21	1590	11	0.10	2	2	58
CC87704		10	1	0.59	30	2.26	1170	<1	0.03	19	3000	9	0.03	3	4	70
CC87705		<10	<1	0.13	10	1.63	553	2	0.03	21	770	14	0.06	<2	2	41
CC87706		<10	<1	0.11	10	2.12	547	2	0.03	20	790	13	0.07	2	2	38
CC87707		<10	<1	0.06	10	0.46	600	2	0.02	22	760	14	0.09	2	2	18
CC87708		10	<1	0.09	10	0.28	588	2	0.01	26	930	29	0.06	<2	2	14
CC87709		<10	1	0.10	10	0.33	371	1	0.02	19	1260	23	0.11	<2	2	23
CC87710		<10	1	0.08	10	0.36	895	1	0.01	19	710	21	0.04	<2	2	13
CC87711		<10	1	0.09	10	0.28	958	1	0.01	17	1070	21	0.09	<2	2	16
CC87712		<10	1	0.09	10	0.44	722	1	0.01	22	1150	23	0.04	<2	2	20
CC87713		<10	1	0.07	10	0.42	1225	1	0.01	20	2130	28	0.12	<2	3	30
CC87714		<10	1	0.08	20	0.69	1375	3	0.01	23	1210	37	0.08	<2	2	17
CC87715		<10	1	0.08	30	2.07	1755	8	0.01	21	1300	90	0.10	<2	3	34
CC87716		<10	1	0.06	10	0.60	950	3	0.01	22	970	39	0.09	<2	2	19
CC87717		<10	1	0.06	20	1.72	874	3	0.02	21	1050	39	0.06	<2	2	24
CC87718		<10	1	0.04	10	7.08	693	5	0.02	12	680	32	0.05	<2	1	45
CC87719		<10	1	0.05	20	5.71	668	8	0.02	21	940	45	0.05	<2	2	43
CC87720		<10	<1	0.10	20	0.81	695	18	0.02	40	1080	39	0.04	<2	3	27
CC87721		<10	<1	0.08	20	0.64	758	9	0.01	29	1090	30	0.07	<2	3	20
CC87722		<10	1	0.07	20	0.60	1045	6	0.01	28	1550	39	0.10	<2	2	19
CC87723		10	1	0.10	20	1.05	729	7	0.02	31	1200	22	0.04	<2	4	32
CC87724		10	<1	0.13	20	1.02	666	6	0.01	29	880	24	0.04	<2	3	18
CC87725		10	<1	0.10	20	0.74	745	13	0.01	39	880	23	0.03	<2	3	22
CC87726		10	<1	0.17	20	0.79	594	18	0.02	58	860	27	0.05	3	3	21
CC87727		10	<1	0.16	20	1.36	898	18	0.01	87	1350	28	0.07	2	3	31
CC87728		10	<1	0.15	50	0.68	1270	27	0.01	79	1170	56	0.05	3	3	25
CC87729		<10	<1	0.18	80	0.37	1410	46	0.01	111	1760	44	0.05	8	3	46
CC87730		<10	<1	0.13	40	0.67	749	3	0.01	18	1070	15	0.02	<2	3	34
CC87731		10	<1	0.10	20	0.58	1020	3	0.02	13	730	13	0.07	<2	2	11

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU(Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10085624

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC87692		<20	0.12	<10	<10	265	<10	306
CC87693		<20	0.52	<10	<10	217	<10	121
CC87694		<20	0.11	<10	<10	55	<10	151
CC87695		<20	0.17	<10	<10	105	<10	110
CC87696		<20	0.44	<10	<10	97	<10	99
CC87697		<20	0.46	<10	<10	161	<10	124
CC87698		<20	0.50	<10	<10	149	<10	132
CC87699		<20	0.19	<10	<10	111	<10	103
CC87700		<20	0.30	<10	<10	173	<10	111
CC87701		<20	0.19	<10	<10	73	<10	110
CC87702		<20	0.21	<10	<10	64	<10	100
CC87703		<20	0.12	<10	<10	41	<10	75
CC87704		<20	0.31	<10	<10	66	<10	110
CC87705		<20	0.03	<10	<10	38	<10	92
CC87706		<20	0.03	<10	<10	36	<10	96
CC87707		<20	0.02	<10	<10	36	<10	94
CC87708		<20	0.03	<10	<10	52	<10	99
CC87709		<20	0.01	<10	<10	34	<10	74
CC87710		<20	0.03	<10	<10	51	<10	97
CC87711		<20	0.02	<10	<10	45	<10	70
CC87712		<20	0.02	<10	<10	48	<10	101
CC87713		<20	0.02	<10	<10	53	<10	221
CC87714		<20	0.03	<10	<10	52	<10	155
CC87715		<20	0.01	<10	<10	34	<10	355
CC87716		<20	0.03	<10	<10	46	<10	150
CC87717		<20	0.03	<10	<10	47	<10	144
CC87718		<20	0.03	<10	10	29	<10	133
CC87719		<20	0.02	<10	<10	36	<10	161
CC87720		<20	0.06	<10	<10	69	<10	253
CC87721		<20	0.04	<10	<10	61	<10	176
CC87722		<20	0.03	<10	<10	58	<10	159
CC87723		<20	0.09	<10	<10	71	<10	186
CC87724		<20	0.10	<10	<10	95	<10	190
CC87725		<20	0.05	<10	<10	140	<10	284
CC87726		<20	0.04	<10	<10	267	<10	401
CC87727		<20	0.04	<10	<10	332	<10	594
CC87728		<20	0.03	<10	<10	387	<10	503
CC87729		<20	0.02	<10	<10	272	<10	740
CC87730		<20	0.10	<10	<10	45	<10	140
CC87731		<20	0.11	<10	<10	51	<10	76

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 9-JUL-2010
Account: RCM

Project: RAU(Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10085624

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC87732		0.22	0.003	<0.2	1.85	7	<10	180	1.7	<2	0.20	<0.5	10	27	14	3.81
CC87733		0.30	0.004	0.3	2.01	6	<10	260	2.6	<2	0.32	<0.5	11	28	16	4.23
CC87734		0.34	0.006	<0.2	2.31	7	<10	260	2.2	<2	0.56	<0.5	14	53	23	4.47
CC87735		0.36	0.007	0.3	2.10	7	<10	280	4.0	<2	0.54	0.5	9	31	22	4.99
CC87736		0.34	0.005	0.4	2.32	12	<10	340	4.6	<2	0.22	<0.5	12	45	25	5.00
CC87737		0.26	0.002	0.3	4.86	9	<10	480	2.1	<2	1.31	0.5	44	314	98	8.56
CC87738		0.30	0.013	0.3	4.83	8	<10	300	2.9	<2	0.85	<0.5	35	289	53	7.29
CC87739		0.32	0.002	0.3	5.39	5	<10	190	1.6	<2	0.95	<0.5	40	424	60	7.04
CC87740		0.24	0.004	0.2	2.15	8	<10	270	1.6	<2	0.26	<0.5	11	58	24	4.62
CC87741		0.24	0.002	0.3	4.72	4	<10	360	2.0	<2	0.86	<0.5	32	25	38	8.02
CC87742		0.36	0.002	0.3	4.24	3	<10	160	1.4	<2	0.98	<0.5	25	63	52	7.28
CC87743		0.30	0.002	<0.2	2.77	3	<10	210	0.9	<2	0.61	<0.5	18	31	56	5.31
CC87744		0.46	0.003	<0.2	2.42	3	<10	200	0.9	<2	0.64	<0.5	17	32	20	4.63
CC87745		0.28	0.003	<0.2	2.20	5	<10	200	0.8	<2	0.38	<0.5	12	33	20	4.01
CC87746		0.18	0.003	0.2	2.18	7	<10	210	0.7	<2	3.16	0.5	17	37	35	3.65
CC87747		0.28	0.011	0.3	1.56	7	<10	220	0.5	<2	5.31	1.3	9	23	27	2.43
CC87748		0.30	0.003	0.2	2.82	8	<10	320	0.8	<2	1.94	<0.5	23	102	48	4.65
CC87749		0.34	0.003	0.4	3.48	7	<10	230	0.9	<2	1.56	0.5	29	168	59	5.81
CC87750		0.40	0.002	0.4	2.68	9	<10	230	0.7	<2	0.92	<0.5	20	83	28	4.68
CC87751		0.42	0.004	<0.2	2.76	3	<10	170	0.7	<2	0.92	<0.5	21	85	28	5.12

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VANCOUVER BC V6B 1L8

Finalized Date: 9-JUL-2010
Account: RCM

Project: RAU(Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10085624

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC87732		10	1	0.15	20	0.65	1125	2	0.02	12	750	21	0.08	<2	2	18
CC87733		10	<1	0.23	30	0.95	944	2	0.02	15	1030	13	0.07	<2	3	25
CC87734		10	<1	0.27	40	1.36	848	2	0.03	30	1310	10	0.01	<2	6	43
CC87735		10	1	0.22	70	0.92	1355	3	0.03	18	1350	25	0.05	<2	6	40
CC87736		10	<1	0.16	40	0.80	1595	3	0.03	24	630	31	0.03	<2	5	21
CC87737		20	<1	0.75	20	5.65	1705	<1	0.02	99	1930	9	0.04	2	14	72
CC87738		20	<1	0.22	30	5.55	2060	1	0.03	128	1120	11	0.07	<2	13	54
CC87739		20	1	0.19	20	7.43	1735	<1	0.01	174	1940	3	0.01	<2	14	73
CC87740		10	<1	0.18	20	0.89	1355	2	0.03	27	770	14	0.06	<2	4	24
CC87741		20	<1	0.63	20	4.95	927	<1	0.03	18	2650	3	0.02	<2	10	190
CC87742		20	<1	0.92	30	3.21	1205	<1	0.02	35	3310	7	0.02	2	7	56
CC87743		10	<1	0.82	30	1.68	663	<1	0.02	20	2410	16	0.03	<2	3	59
CC87744		10	<1	0.84	30	1.45	816	<1	0.02	23	1990	10	0.01	3	3	51
CC87745		10	1	0.63	20	0.94	498	<1	0.01	24	1060	10	0.05	2	2	29
CC87746		10	1	0.18	20	1.03	1250	<1	0.01	27	1580	8	0.16	<2	3	52
CC87747		<10	<1	0.07	10	0.55	987	1	0.01	17	1570	12	0.21	<2	1	41
CC87748		10	<1	0.09	10	2.52	935	1	0.01	61	1310	4	0.09	2	4	61
CC87749		10	1	0.11	20	3.60	916	3	0.01	96	1550	7	0.04	3	6	56
CC87750		10	1	0.09	10	2.17	746	4	0.01	46	1390	6	0.03	<2	5	41
CC87751		10	1	0.09	20	2.40	801	2	0.02	45	1630	11	0.02	2	5	44

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VANCOUVER BC V6B 1L8

Finalized Date: 9-JUL-2010
Account: RCM

Project: RAU(Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10085624

Sample Description	Method Analyte Units LOR	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2
CC87732		<20	0.11	<10	<10	59	<10	102
CC87733		<20	0.17	<10	<10	65	<10	124
CC87734		<20	0.25	<10	<10	74	<10	115
CC87735		<20	0.12	<10	<10	53	<10	181
CC87736		<20	0.11	<10	<10	56	<10	181
CC87737		<20	0.49	<10	<10	255	<10	130
CC87738		<20	0.27	<10	<10	173	<10	129
CC87739		<20	0.34	<10	<10	194	<10	110
CC87740		<20	0.16	<10	<10	74	<10	111
CC87741		<20	0.36	<10	<10	188	<10	105
CC87742		<20	0.29	<10	<10	113	<10	130
CC87743		<20	0.22	<10	<10	58	<10	113
CC87744		<20	0.29	<10	<10	57	<10	103
CC87745		<20	0.19	<10	<10	50	<10	94
CC87746		<20	0.04	<10	<10	57	<10	97
CC87747		<20	0.02	<10	<10	37	<10	203
CC87748		<20	0.16	<10	<10	134	<10	139
CC87749		<20	0.32	<10	<10	163	<10	194
CC87750		<20	0.31	<10	<10	128	<10	159
CC87751		<20	0.36	<10	<10	109	<10	105

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Finalized Date: 9-JUL-2010
Account: RCM

CERTIFICATE VA10085625

Project: RAU (Grey Copper Hill)

P.O. No.: GCH

This report is for 221 Soil samples submitted to our lab in Vancouver, BC, Canada on 28-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-31	Pulverize split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
PUL-QC	Pulverizing QC Test
SCR-43	Screen to -500um, discard plus
SCR-01	Screen - Save plus fraction

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Project: RAU (Grey Copper Hill)

Finalized Date: 9-JUL-2010
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CERTIFICATE OF ANALYSIS VA10085625

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC87752		0.30	0.003	<0.2	2.56	8	<10	180	0.7	<2	0.91	<0.5	17	63	20	4.34
CC87753		0.32	<0.001	<0.2	2.37	11	<10	210	0.6	<2	0.80	<0.5	17	60	19	4.24
CC87754		0.34	0.004	<0.2	2.31	10	<10	220	0.6	<2	0.72	<0.5	16	56	17	4.04
CC87755		0.34	0.001	<0.2	2.16	14	<10	190	0.6	<2	1.06	<0.5	15	48	20	3.86
CC87756		0.30	0.026	0.2	1.89	17	<10	200	0.6	<2	0.64	0.6	15	43	25	3.77
CC87757		0.40	0.007	<0.2	2.08	18	<10	230	0.6	<2	0.50	<0.5	14	40	19	3.72
CC87758		0.46	0.002	<0.2	1.97	13	<10	180	0.7	<2	0.79	<0.5	14	40	23	3.61
CC87759		0.32	0.005	0.2	1.93	20	<10	200	0.7	<2	0.96	<0.5	13	36	21	3.45
CC87760		0.36	0.001	<0.2	2.03	16	<10	210	0.6	<2	0.66	0.5	12	34	13	3.21
CC87761		0.38	<0.001	<0.2	2.03	15	<10	220	0.5	<2	0.58	0.5	11	38	15	3.32
CC87762		0.30	0.002	0.2	1.93	13	<10	180	0.5	<2	0.38	<0.5	10	40	16	3.38
CC87763		0.40	0.001	<0.2	1.69	14	<10	120	0.5	<2	0.25	<0.5	11	32	21	3.32
CC87764		0.50	0.001	<0.2	1.62	10	<10	130	<0.5	<2	0.18	<0.5	8	30	11	2.94
CC87765		0.26	<0.001	<0.2	1.57	10	<10	140	<0.5	<2	0.28	<0.5	7	32	11	2.73
CC87766		0.30	0.002	0.3	1.04	10	<10	140	<0.5	<2	0.13	0.5	9	20	13	2.54
CC87767		0.26	<0.001	<0.2	0.82	13	<10	130	<0.5	<2	0.14	<0.5	11	16	14	2.77
CC87768		0.28	0.002	<0.2	1.18	17	<10	140	<0.5	2	0.21	<0.5	10	23	17	3.24
CC87769		0.38	<0.001	<0.2	1.28	15	<10	140	<0.5	2	0.14	<0.5	8	23	14	2.86
CC87770		0.32	<0.001	0.2	1.06	16	<10	140	<0.5	<2	0.12	<0.5	8	19	13	3.03
CC87771		0.20	0.001	<0.2	2.32	11	<10	240	0.7	<2	0.49	<0.5	16	60	14	4.00
CC87772		0.18	0.003	<0.2	2.21	10	<10	260	0.7	2	0.76	<0.5	18	68	15	4.46
CC87773		0.20	0.002	0.2	1.96	10	<10	280	0.8	<2	0.97	0.7	14	54	21	3.95
CC87774		0.24	<0.001	<0.2	2.08	8	<10	230	0.5	2	0.31	<0.5	20	86	15	4.71
CC87775		0.22	0.002	0.2	1.63	15	<10	210	0.8	<2	0.42	1.9	16	53	38	4.56
CC87776		0.24	0.003	0.3	1.21	22	<10	130	0.7	<2	0.10	2.2	8	20	19	5.16
CC87777		0.28	0.002	<0.2	1.16	13	<10	150	1.0	<2	0.13	1.6	6	16	13	3.47
CC87778		0.20	0.001	<0.2	1.87	11	<10	120	0.5	<2	0.10	<0.5	7	27	13	3.17
CC87779		0.32	0.003	<0.2	1.16	9	<10	180	0.5	<2	0.20	<0.5	7	22	12	4.34
CC87780		0.16	0.003	<0.2	1.48	9	<10	110	<0.5	<2	0.12	<0.5	6	27	11	2.73
CC87781		0.18	0.001	0.4	1.70	21	<10	220	0.8	<2	2.07	1.0	12	27	26	3.37
CC87782		0.18	0.002	0.3	1.34	20	<10	220	0.6	<2	4.73	0.8	11	25	28	3.10
CC87783		0.22	0.002	0.6	1.44	20	<10	270	0.8	<2	4.84	1.3	11	25	32	3.39
CC87784		0.22	0.002	0.7	1.58	22	<10	250	0.8	<2	3.04	0.8	14	39	41	3.51
CC87785		0.22	0.001	<0.2	2.23	20	<10	250	0.8	<2	0.63	<0.5	13	33	25	3.79
CC87786		0.20	0.001	0.3	1.88	23	<10	270	0.8	<2	0.81	<0.5	13	29	20	3.64
CC87787		0.20	0.004	0.4	1.32	38	<10	170	0.7	<2	5.28	1.1	10	23	25	3.54
CC87788		0.26	0.002	0.9	1.76	22	<10	310	1.0	2	1.53	1.7	13	37	41	3.88
CC87789		0.22	0.002	0.4	1.36	16	<10	200	0.7	2	4.33	1.1	10	31	32	3.13
CC87790		0.18	0.002	0.4	1.59	18	<10	250	0.8	<2	3.69	0.7	12	33	34	3.34
CC87791		0.20	0.006	0.3	1.79	18	<10	230	0.8	2	0.94	1.5	11	32	22	3.41

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU (Grey Copper Hill)

Finalized Date: 9-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10085625

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC87752		10	<1	0.08	10	1.68	768	3	0.03	32	1130	10	0.04	2	4	34
CC87753		10	<1	0.07	10	1.69	731	3	0.02	34	1350	18	0.03	2	4	33
CC87754		10	<1	0.07	10	1.48	771	4	0.03	31	1150	22	0.04	2	4	29
CC87755		10	<1	0.08	20	1.48	729	3	0.03	29	1340	15	0.03	<2	4	38
CC87756		<10	<1	0.07	10	0.92	894	10	0.03	36	1320	25	0.03	<2	3	28
CC87757		10	<1	0.07	10	0.89	1055	6	0.03	27	1260	20	0.03	<2	4	26
CC87758		<10	<1	0.07	20	1.08	930	5	0.03	30	990	30	0.02	<2	4	29
CC87759		<10	<1	0.07	20	1.01	1080	4	0.03	30	1170	35	0.02	2	5	30
CC87760		10	<1	0.06	10	0.82	707	3	0.02	22	730	20	0.02	<2	3	20
CC87761		<10	<1	0.07	10	0.81	496	3	0.03	24	700	22	0.03	<2	3	19
CC87762		10	<1	0.06	10	0.84	460	3	0.02	26	730	14	0.02	<2	3	19
CC87763		<10	<1	0.06	10	0.57	472	2	0.02	25	750	15	0.02	2	3	19
CC87764		10	<1	0.05	10	0.49	252	2	0.02	16	430	14	0.02	<2	2	14
CC87765		<10	1	0.05	10	0.55	228	2	0.02	17	520	12	0.02	<2	2	17
CC87766		<10	<1	0.06	10	0.25	797	1	0.02	13	710	15	0.05	<2	1	13
CC87767		<10	<1	0.07	10	0.18	1035	2	0.02	11	610	15	0.04	<2	1	16
CC87768		<10	<1	0.07	10	0.36	736	1	0.02	19	680	13	0.03	<2	2	21
CC87769		<10	<1	0.06	10	0.38	458	1	0.02	17	430	11	0.02	<2	2	17
CC87770		10	<1	0.07	10	0.24	616	2	0.02	12	450	14	0.02	2	2	16
CC87771		10	<1	0.10	20	1.26	773	1	0.03	35	1280	18	0.04	<2	5	22
CC87772		10	<1	0.10	20	1.37	911	2	0.02	40	1360	18	0.05	<2	5	21
CC87773		<10	<1	0.10	20	1.00	884	4	0.03	38	1770	21	0.08	<2	4	25
CC87774		10	<1	0.14	20	1.36	985	2	0.02	41	940	15	0.04	<2	2	19
CC87775		<10	<1	0.13	30	0.87	2000	8	0.02	50	1600	26	0.03	<2	4	29
CC87776		<10	<1	0.10	40	0.27	956	22	0.02	18	750	67	0.07	2	2	10
CC87777		<10	<1	0.12	60	0.27	1600	9	0.02	14	690	33	0.03	<2	3	11
CC87778		10	<1	0.08	10	0.34	563	3	0.02	13	550	15	0.05	<2	2	11
CC87779		<10	<1	0.23	30	0.38	386	4	0.02	13	1060	24	0.36	<2	3	41
CC87780		10	<1	0.08	20	0.51	311	2	0.02	14	610	12	0.05	2	2	13
CC87781		<10	<1	0.09	20	1.38	1050	7	0.03	32	1410	29	0.06	3	3	30
CC87782		<10	<1	0.09	20	3.15	796	8	0.04	31	990	28	0.03	3	4	39
CC87783		<10	<1	0.10	20	3.11	951	15	0.03	41	1220	33	0.05	3	4	42
CC87784		<10	<1	0.10	20	2.14	877	10	0.03	42	1010	33	0.03	2	5	33
CC87785		10	<1	0.08	10	0.74	812	2	0.03	26	540	36	0.02	<2	5	19
CC87786		<10	<1	0.09	10	0.59	1045	2	0.03	25	950	32	0.05	2	4	20
CC87787		<10	<1	0.07	10	3.36	1280	8	0.03	29	1220	73	0.06	3	2	38
CC87788		10	<1	0.12	20	1.27	1240	19	0.02	52	1530	48	0.06	3	4	36
CC87789		10	<1	0.10	20	3.08	738	12	0.02	37	1170	30	0.03	<2	4	42
CC87790		10	<1	0.09	20	2.73	856	13	0.02	40	1050	26	0.03	<2	4	40
CC87791		<10	<1	0.07	20	0.70	987	7	0.01	26	960	32	0.06	<2	3	18

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU (Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10085625

Sample Description	Method Analyte Units LOR	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2
CC87752		<20	0.38	<10	<10	106	<10	89
CC87753		<20	0.26	<10	<10	99	<10	108
CC87754		<20	0.26	<10	<10	100	<10	114
CC87755		<20	0.27	<10	<10	83	<10	95
CC87756		<20	0.16	<10	<10	88	<10	138
CC87757		<20	0.14	<10	<10	80	<10	102
CC87758		<20	0.16	<10	<10	71	<10	111
CC87759		<20	0.13	<10	<10	65	<10	117
CC87760		<20	0.08	<10	<10	69	<10	95
CC87761		<20	0.08	<10	<10	72	<10	118
CC87762		<20	0.20	<10	<10	69	<10	92
CC87763		<20	0.11	<10	<10	55	<10	68
CC87764		<20	0.08	<10	<10	58	<10	53
CC87765		<20	0.11	<10	<10	56	<10	52
CC87766		<20	0.03	<10	<10	42	<10	49
CC87767		<20	0.04	<10	<10	45	<10	38
CC87768		<20	0.06	<10	<10	43	<10	57
CC87769		<20	0.06	<10	<10	42	<10	46
CC87770		<20	0.04	<10	<10	47	<10	45
CC87771		<20	0.06	<10	<10	72	<10	86
CC87772		<20	0.05	<10	<10	77	<10	97
CC87773		<20	0.04	<10	<10	71	<10	150
CC87774		<20	0.05	<10	<10	84	<10	82
CC87775		<20	0.07	<10	<10	72	<10	202
CC87776		<20	0.05	<10	<10	43	<10	218
CC87777		<20	0.04	<10	<10	30	<10	240
CC87778		<20	0.05	<10	<10	61	<10	82
CC87779		<20	0.08	<10	<10	40	<10	74
CC87780		<20	0.07	<10	<10	51	<10	57
CC87781		<20	0.04	<10	<10	65	<10	169
CC87782		<20	0.05	<10	<10	52	<10	138
CC87783		<20	0.04	<10	<10	73	<10	203
CC87784		<20	0.05	<10	<10	62	<10	152
CC87785		<20	0.04	<10	<10	60	<10	110
CC87786		<20	0.03	<10	<10	57	<10	103
CC87787		<20	0.03	<10	<10	50	<10	248
CC87788		<20	0.07	<10	<10	105	<10	212
CC87789		<20	0.08	<10	<10	73	<10	181
CC87790		<20	0.08	<10	<10	72	<10	155
CC87791		<20	0.05	<10	<10	75	<10	167

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VANCOUVER BC V6B 1L8

Finalized Date: 9-JUL-2010
Account: RCM

Project: RAU (Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10085625

Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
Sample Description LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC87792	0.20	0.002	0.2	2.14	19	<10	230	0.9	<2	0.78	0.5	14	40	32	3.67
CC87793	0.20	0.001	0.4	1.82	18	<10	250	0.9	<2	0.83	0.5	12	37	26	3.69
CC87794	0.20	0.001	0.2	2.04	17	<10	250	0.8	2	0.97	0.7	12	35	16	3.41
CC87795	0.18	0.002	0.6	1.59	15	<10	260	0.8	<2	4.73	1.6	11	35	32	3.16
CC87796	0.26	0.002	0.7	2.31	17	<10	320	1.3	4	1.71	1.4	14	52	40	4.12
CC87797	0.18	0.002	0.8	2.19	15	<10	280	1.2	4	1.03	1.4	13	47	34	3.88
CC87798	0.22	0.001	0.9	2.08	16	<10	250	1.2	2	1.27	2.5	12	46	39	3.74
CC87799	0.18	0.001	0.7	1.94	15	<10	310	1.2	2	1.45	1.8	12	38	35	3.49
CC87800	0.20	0.002	0.6	2.18	17	<10	270	1.2	<2	0.72	0.8	12	34	34	3.55
CC87801	0.18	0.002	0.5	2.25	24	<10	250	1.3	2	0.54	0.9	11	43	44	3.52
CC87802	0.20	<0.001	<0.2	2.49	15	<10	220	1.6	3	0.53	0.9	15	44	34	4.27
CC87803	0.20	<0.001	<0.2	2.62	12	<10	210	1.5	3	0.66	0.7	15	45	33	4.82
CC87804	0.18	<0.001	0.6	2.10	12	<10	200	2.0	2	1.25	1.6	10	35	39	3.64
CC87805	0.20	0.001	<0.2	2.02	5	<10	240	7.9	2	0.26	<0.5	7	33	18	3.99
CC87806	0.14	<0.001	<0.2	3.23	4	<10	250	2.6	3	0.54	<0.5	28	204	29	5.57
CC87807	0.22	0.001	<0.2	5.19	4	<10	350	1.8	4	1.41	<0.5	40	302	67	7.54
CC87808	0.14	<0.001	<0.2	4.64	2	<10	480	2.3	<2	1.13	<0.5	28	112	36	8.03
CC87809	0.20	<0.001	<0.2	3.17	6	<10	140	1.0	4	0.38	<0.5	20	127	22	5.45
CC87810	0.16	<0.001	<0.2	4.26	4	<10	230	1.7	5	0.94	<0.5	30	213	24	6.57
CC87811	0.16	<0.001	<0.2	2.69	10	<10	160	1.0	2	0.36	<0.5	16	51	20	4.66
CC87812	0.14	0.001	<0.2	3.36	4	<10	190	1.2	3	2.21	<0.5	24	70	31	5.67
CC87813	0.20	<0.001	0.2	2.74	3	<10	210	1.0	2	0.96	<0.5	18	40	23	4.95
CC87814	0.14	<0.001	<0.2	2.30	3	<10	250	1.0	2	2.07	<0.5	12	33	22	3.72
CC87815	0.22	0.001	<0.2	1.28	21	<10	170	0.8	3	13.0	<0.5	13	17	24	4.84
CC87816	0.18	<0.001	<0.2	1.54	11	<10	240	0.6	<2	2.63	<0.5	10	26	22	2.77
CC87817	0.22	0.002	<0.2	1.22	8	<10	490	0.5	2	5.48	<0.5	8	21	19	2.31
CC87818	0.24	<0.001	<0.2	1.62	10	<10	210	0.6	<2	2.10	0.6	10	26	17	2.73
CC87819	0.18	<0.001	<0.2	1.97	10	<10	240	0.7	2	1.88	0.5	11	28	21	2.77
CC87820	0.16	<0.001	<0.2	1.96	11	<10	310	0.8	2	2.13	<0.5	11	30	19	2.96
CC87821	0.14	<0.001	<0.2	1.65	7	<10	200	0.7	<2	2.31	0.6	10	24	22	2.55
CC87822	0.24	0.001	<0.2	1.66	11	<10	190	0.7	2	2.59	<0.5	11	25	19	3.16
CC87823	0.16	0.001	<0.2	1.13	6	<10	140	0.5	2	8.4	<0.5	8	16	18	2.60
CC87824	0.22	<0.001	<0.2	1.55	9	<10	200	0.7	<2	2.06	<0.5	10	26	19	3.13
CC87825	0.20	0.001	<0.2	1.43	9	<10	190	0.6	<2	5.86	<0.5	9	23	20	2.77
CC87826	0.20	<0.001	<0.2	1.52	8	<10	220	0.7	<2	3.09	0.8	10	23	22	2.88
CC87827	0.16	<0.001	<0.2	1.79	9	<10	190	0.8	<2	1.18	<0.5	10	29	17	3.31
CC87828	0.18	0.005	<0.2	1.09	8	<10	150	<0.5	<2	9.7	<0.5	7	19	18	2.30
CC87829	0.14	0.006	<0.2	1.19	10	<10	130	0.5	<2	4.72	0.6	8	20	17	2.40
CC87830	0.20	<0.001	<0.2	1.56	7	<10	210	0.7	<2	2.28	0.8	8	26	14	2.77
CC87831	0.16	<0.001	<0.2	1.75	7	<10	160	0.7	<2	1.40	<0.5	9	28	14	2.91

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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC87792		10	<1	0.10	20	1.09	959	7	0.02	37	950	28	0.02	<2	5	25
CC87793		10	<1	0.11	20	0.97	992	7	0.02	35	800	33	0.04	<2	4	22
CC87794		10	<1	0.08	20	0.98	951	6	0.02	27	640	32	0.03	<2	4	18
CC87795		10	<1	0.10	20	3.19	966	10	0.02	37	1420	25	0.06	<2	3	38
CC87796		10	<1	0.14	20	1.96	1070	13	0.02	54	1230	27	0.03	3	6	37
CC87797		10	<1	0.12	20	1.36	951	11	0.02	49	1170	22	0.05	<2	4	27
CC87798		10	<1	0.16	20	1.52	732	15	0.02	52	1150	20	0.05	3	5	30
CC87799		10	<1	0.14	20	1.19	796	10	0.02	44	1520	27	0.06	<2	4	34
CC87800		10	<1	0.15	20	0.94	828	11	0.02	43	1240	24	0.06	2	4	29
CC87801		10	<1	0.20	20	0.86	593	22	0.01	62	970	26	0.02	3	4	27
CC87802		10	<1	0.15	30	1.38	1165	12	0.02	45	1150	23	0.03	<2	5	37
CC87803		10	<1	0.29	20	1.63	1025	15	0.02	39	1090	28	0.03	2	5	41
CC87804		10	<1	0.19	30	1.17	690	11	0.02	43	1440	21	0.07	2	4	49
CC87805		10	<1	0.18	120	0.93	670	2	0.02	16	390	29	0.01	<2	5	18
CC87806		10	<1	0.14	30	3.54	2060	2	0.02	75	790	13	0.07	<2	8	25
CC87807		20	<1	0.88	20	6.88	1500	1	0.02	123	1830	19	0.03	<2	14	108
CC87808		20	<1	1.24	30	4.07	1850	1	0.03	48	2180	14	0.03	<2	8	100
CC87809		10	<1	0.19	10	2.80	800	1	0.02	54	650	10	0.03	<2	6	28
CC87810		10	<1	0.24	20	3.73	1630	2	0.02	95	1570	17	0.02	<2	12	43
CC87811		10	<1	0.14	20	1.88	765	1	0.01	27	960	9	0.03	<2	5	31
CC87812		10	<1	0.36	20	4.40	841	1	0.02	39	2040	9	0.03	<2	8	79
CC87813		10	<1	0.89	30	1.69	867	1	0.02	24	2310	15	0.02	<2	4	60
CC87814		10	<1	0.36	20	0.99	675	1	0.02	25	1940	14	0.16	<2	2	47
CC87815		<10	<1	0.25	20	0.48	626	2	0.02	36	780	30	0.04	<2	4	81
CC87816		<10	<1	0.11	10	1.18	554	4	0.02	27	790	14	0.08	<2	3	29
CC87817		<10	<1	0.11	10	2.71	410	4	0.03	24	660	9	0.06	<2	3	42
CC87818		10	<1	0.08	10	0.75	607	2	0.02	22	680	12	0.07	<2	2	21
CC87819		10	1	0.11	10	0.53	731	2	0.03	24	1070	13	0.13	<2	2	26
CC87820		<10	<1	0.09	20	1.23	824	2	0.02	26	600	15	0.06	<2	3	21
CC87821		<10	<1	0.11	10	0.64	799	2	0.02	22	890	13	0.10	<2	2	28
CC87822		<10	<1	0.12	20	0.96	525	2	0.02	26	480	17	0.04	<2	4	29
CC87823		<10	<1	0.11	10	0.71	545	2	0.01	21	920	13	0.08	<2	2	74
CC87824		<10	<1	0.11	20	0.67	456	1	0.01	27	330	21	0.02	<2	4	22
CC87825		<10	<1	0.11	10	1.18	514	1	0.02	24	590	14	0.03	<2	3	48
CC87826		<10	<1	0.11	10	0.62	661	1	0.01	26	690	16	0.06	<2	3	32
CC87827		10	<1	0.12	20	0.70	595	1	0.01	26	500	18	0.03	<2	4	18
CC87828		<10	<1	0.09	10	1.72	431	1	0.02	21	650	12	0.02	<2	3	72
CC87829		<10	<1	0.09	10	1.22	444	1	0.02	20	740	12	0.05	<2	2	37
CC87830		<10	<1	0.08	10	0.87	879	1	0.01	22	480	17	0.04	<2	3	20
CC87831		<10	<1	0.07	10	0.67	542	<1	0.01	22	410	16	0.03	<2	3	18

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU (Grey Copper Hill)

Finalized Date: 9-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10085625

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC87792		<20	0.10	<10	<10	82	<10	158
CC87793		<20	0.07	<10	<10	70	<10	146
CC87794		<20	0.06	<10	<10	75	<10	129
CC87795		<20	0.06	<10	<10	92	<10	225
CC87796		<20	0.13	<10	<10	136	<10	267
CC87797		<20	0.10	<10	<10	139	<10	277
CC87798		<20	0.12	<10	<10	155	<10	361
CC87799		<20	0.07	<10	<10	139	<10	298
CC87800		<20	0.06	<10	<10	168	<10	289
CC87801		<20	0.09	<10	<10	255	<10	368
CC87802		<20	0.20	<10	<10	150	<10	272
CC87803		<20	0.32	<10	<10	186	<10	309
CC87804		<20	0.12	<10	<10	142	<10	308
CC87805		30	0.17	<10	<10	45	<10	302
CC87806		<20	0.48	<10	<10	141	<10	123
CC87807		<20	0.70	<10	<10	194	<10	139
CC87808		<20	0.50	<10	<10	128	<10	139
CC87809		<20	0.35	<10	<10	121	<10	90
CC87810		<20	0.51	<10	<10	156	<10	144
CC87811		<20	0.20	<10	<10	106	<10	83
CC87812		<20	0.24	<10	<10	125	<10	101
CC87813		<20	0.32	<10	<10	56	<10	118
CC87814		<20	0.11	<10	<10	46	<10	80
CC87815		<20	0.03	<10	<10	28	<10	121
CC87816		<20	0.04	<10	<10	44	<10	99
CC87817		<20	0.04	<10	<10	37	<10	73
CC87818		<20	0.03	<10	<10	45	<10	80
CC87819		<20	0.03	<10	<10	48	<10	98
CC87820		<20	0.04	<10	<10	54	<10	101
CC87821		<20	0.03	<10	<10	41	<10	92
CC87822		<20	0.06	<10	<10	46	<10	76
CC87823		<20	0.02	<10	<10	28	<10	75
CC87824		<20	0.05	<10	<10	44	<10	83
CC87825		<20	0.03	<10	<10	39	<10	78
CC87826		<20	0.03	<10	<10	38	<10	87
CC87827		<20	0.04	<10	<10	50	<10	96
CC87828		<20	0.04	<10	<10	32	<10	63
CC87829		<20	0.03	<10	<10	35	<10	66
CC87830		<20	0.03	<10	<10	43	<10	106
CC87831		<20	0.04	<10	<10	50	<10	72

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VANCOUVER BC V6B 1L8

Project: RAU (Grey Copper Hill)

Finalized Date: 9-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10085625

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC87832		0.12	0.001	<0.2	1.75	8	<10	190	0.7	<2	2.19	0.5	10	33	19	2.92
CC87833		0.14	0.003	<0.2	1.97	8	<10	250	0.8	<2	2.10	0.7	11	31	20	3.12
CC87834		0.16	0.002	<0.2	1.80	8	<10	220	0.7	<2	1.82	0.9	10	30	20	3.03
CC87835		0.20	0.001	0.2	1.72	10	<10	230	0.6	<2	3.63	<0.5	10	28	18	2.83
CC87836		0.16	0.001	<0.2	2.26	4	<10	200	0.7	<2	2.18	<0.5	17	30	21	4.44
CC87837		0.10	<0.001	<0.2	2.15	3	<10	240	0.8	<2	2.93	0.5	17	33	22	4.05
CC87838		0.14	<0.001	<0.2	4.07	2	<10	300	1.3	<2	1.68	<0.5	29	110	38	6.49
CC87839		0.18	0.002	<0.2	1.94	10	<10	270	1.0	<2	0.64	0.5	12	34	16	3.57
CC87840		0.16	0.001	<0.2	2.23	14	<10	360	1.0	<2	0.78	0.6	11	36	22	3.38
CC87841		0.18	0.005	<0.2	1.89	7	<10	200	0.8	<2	2.43	<0.5	10	29	16	3.25
CC87842		0.16	<0.001	<0.2	2.13	9	<10	260	1.0	<2	0.39	<0.5	10	32	13	3.32
CC87843		0.18	0.005	<0.2	1.41	10	<10	200	0.6	<2	3.84	<0.5	10	25	23	2.96
CC87844		0.16	0.006	<0.2	1.90	9	<10	320	1.2	<2	0.72	<0.5	11	32	17	3.54
CC87845		0.18	0.002	<0.2	1.60	11	<10	260	0.8	<2	2.10	0.6	11	27	20	3.40
CC87846		0.18	0.007	<0.2	1.37	9	<10	260	0.8	<2	0.56	<0.5	9	27	16	3.36
CC87847		0.22	0.001	<0.2	1.66	9	<10	290	0.7	<2	0.24	<0.5	8	29	14	3.47
CC87848		0.12	<0.001	<0.2	1.58	10	<10	300	1.6	<2	0.28	1.6	9	28	22	3.52
CC87849		0.16	0.002	0.2	1.36	8	<10	190	0.8	<2	3.39	<0.5	9	23	26	2.96
CC87850		0.16	0.003	<0.2	1.66	7	<10	230	1.6	<2	1.05	<0.5	9	25	20	3.36
CC87851		0.10	0.001	0.3	1.69	13	<10	150	1.6	<2	1.32	5.5	5	36	39	2.23
CC87852		0.14	0.001	0.4	2.06	12	<10	330	1.2	<2	0.88	0.8	9	44	26	3.02
CC87853		0.20	0.001	<0.2	1.77	7	<10	230	0.9	<2	0.50	<0.5	12	35	22	3.81
CC87854		0.28	0.001	<0.2	2.14	9	<10	210	0.7	<2	0.23	<0.5	10	35	15	3.43
CC87855		0.22	0.005	<0.2	1.66	10	<10	200	0.6	<2	0.34	<0.5	11	33	18	3.21
CC87856		0.26	<0.001	<0.2	1.62	7	<10	180	0.6	<2	2.15	0.6	8	24	18	2.41
CC87857		0.32	<0.001	<0.2	1.93	7	<10	260	0.9	<2	0.87	<0.5	10	30	14	3.40
CC87858		0.34	<0.001	<0.2	1.87	9	<10	220	0.9	<2	1.02	<0.5	11	30	14	3.42
CC87859		0.28	<0.001	<0.2	1.96	7	<10	300	0.8	<2	1.09	<0.5	11	31	16	3.08
CC87860		0.28	0.001	<0.2	1.93	9	<10	180	0.8	<2	1.76	<0.5	10	24	23	3.23
CC87861		0.24	<0.001	<0.2	1.45	8	<10	190	0.6	2	3.00	1.1	9	21	20	2.69
CC87862		0.38	0.001	0.2	1.26	8	<10	150	0.5	<2	7.7	<0.5	8	18	16	2.67
CC87863		0.28	<0.001	<0.2	1.57	8	<10	180	0.7	2	3.43	0.7	9	23	20	2.72
CC87864		0.28	<0.001	<0.2	1.42	10	<10	170	0.6	<2	5.11	<0.5	8	20	19	2.76
CC87865		0.36	0.004	<0.2	0.77	6	<10	110	<0.5	<2	18.1	<0.5	5	12	13	1.72
CC87866		0.28	<0.001	<0.2	1.72	11	<10	190	0.7	<2	1.89	<0.5	10	25	16	3.25
CC87867		0.24	<0.001	<0.2	0.91	5	<10	140	<0.5	<2	7.7	<0.5	6	13	16	1.91
CC87868		0.22	<0.001	<0.2	1.50	9	<10	180	0.6	2	2.70	0.9	7	21	18	2.46
CC87869		0.28	<0.001	0.2	1.95	13	<10	180	0.8	<2	1.43	<0.5	11	28	18	3.84
CC87870		0.40	0.001	0.2	1.88	12	<10	180	0.8	<2	1.19	<0.5	10	28	17	3.45
CC87871		0.22	0.001	0.2	1.84	11	<10	230	0.7	<2	1.20	<0.5	10	28	22	3.19

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Project: RAU (Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10085625

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC87832		<10	<1	0.08	10	0.88	571	<1	0.02	23	530	17	0.04	<2	3	22
CC87833		<10	<1	0.09	20	0.70	723	1	0.02	25	730	18	0.05	<2	3	23
CC87834		<10	<1	0.08	10	0.59	805	<1	0.01	23	790	17	0.05	<2	2	21
CC87835		<10	<1	0.08	10	1.24	598	<1	0.02	23	720	15	0.04	<2	2	32
CC87836		10	<1	0.15	20	1.33	836	<1	0.01	24	930	10	0.08	<2	4	36
CC87837		10	<1	0.18	20	1.18	1260	<1	0.01	22	1070	10	0.10	<2	3	40
CC87838		10	<1	0.55	20	4.95	919	<1	0.01	56	2250	6	0.08	<2	10	115
CC87839		10	<1	0.07	20	0.66	1050	<1	0.01	22	500	23	0.02	<2	4	19
CC87840		10	<1	0.07	20	0.68	753	<1	0.01	23	510	20	0.02	<2	4	19
CC87841		10	<1	0.08	20	1.02	718	<1	0.01	22	860	22	0.04	<2	3	29
CC87842		10	<1	0.07	20	0.60	529	<1	0.01	21	340	18	<0.01	<2	4	14
CC87843		<10	<1	0.09	20	1.96	581	<1	0.02	23	880	16	0.01	<2	3	41
CC87844		10	<1	0.09	20	0.69	736	<1	0.01	26	710	20	0.02	<2	4	18
CC87845		<10	<1	0.08	20	1.24	1090	<1	0.02	23	750	23	0.03	<2	3	25
CC87846		<10	<1	0.08	20	0.55	585	<1	0.01	20	520	18	0.02	<2	3	18
CC87847		10	<1	0.07	10	0.46	458	<1	0.01	18	340	17	0.01	<2	3	13
CC87848		10	<1	0.09	20	0.45	925	<1	0.01	20	740	22	0.03	<2	3	19
CC87849		<10	<1	0.09	20	1.99	684	<1	0.02	22	1070	20	0.03	<2	3	36
CC87850		10	<1	0.08	50	0.86	893	<1	0.01	22	590	21	0.01	<2	5	21
CC87851		10	<1	0.07	20	1.43	1200	6	0.01	54	580	28	0.05	<2	2	32
CC87852		10	<1	0.11	20	0.83	743	4	0.01	37	1190	20	0.05	<2	3	31
CC87853		<10	<1	0.15	20	0.70	1190	1	0.01	26	1010	26	0.01	<2	4	19
CC87854		10	1	0.09	20	0.57	541	<1	0.01	23	700	19	0.01	<2	3	14
CC87855		<10	<1	0.09	20	0.60	859	<1	0.01	26	940	18	0.01	<2	2	17
CC87856		<10	<1	0.09	10	0.57	785	1	0.01	20	810	15	0.11	<2	2	20
CC87857		<10	<1	0.09	20	0.56	616	<1	<0.01	24	410	21	0.02	<2	4	16
CC87858		10	<1	0.11	20	0.68	566	1	0.01	25	440	23	0.03	<2	4	18
CC87859		<10	<1	0.07	10	0.58	946	<1	0.01	22	610	17	0.04	<2	4	19
CC87860		10	<1	0.13	20	0.61	995	3	0.02	26	850	21	0.08	<2	3	27
CC87861		<10	<1	0.10	10	0.66	878	2	0.02	20	870	16	0.09	<2	2	34
CC87862		<10	<1	0.11	10	1.54	584	2	0.02	18	720	16	0.05	<2	2	73
CC87863		<10	<1	0.12	10	0.62	568	1	0.02	22	750	19	0.08	<2	2	36
CC87864		<10	<1	0.13	10	0.95	522	2	0.02	21	890	17	0.07	<2	2	49
CC87865		<10	<1	0.09	10	2.18	343	2	0.02	13	500	11	<0.01	<2	2	173
CC87866		10	<1	0.14	20	0.83	550	2	0.02	23	440	19	0.03	<2	4	23
CC87867		<10	<1	0.09	10	1.17	466	2	0.02	15	910	11	0.08	<2	1	66
CC87868		<10	<1	0.11	10	0.58	680	2	0.02	20	760	13	0.08	<2	2	25
CC87869		10	<1	0.10	20	0.58	761	2	0.02	31	600	19	0.04	<2	4	20
CC87870		10	<1	0.10	20	0.78	598	2	0.02	25	440	20	0.02	<2	4	18
CC87871		10	<1	0.10	20	0.66	748	1	0.02	25	610	18	0.03	<2	3	22

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CERTIFICATE OF ANALYSIS VA10085625

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC87832		<20	0.04	<10	<10	50	<10	112
CC87833		<20	0.04	<10	<10	55	<10	103
CC87834		<20	0.03	<10	<10	51	<10	97
CC87835		<20	0.03	<10	<10	49	<10	76
CC87836		<20	0.14	<10	<10	62	<10	81
CC87837		<20	0.10	<10	<10	59	<10	77
CC87838		<20	0.19	<10	<10	150	<10	106
CC87839		<20	0.04	<10	<10	58	<10	87
CC87840		<20	0.04	<10	<10	64	<10	92
CC87841		<20	0.04	<10	<10	52	<10	96
CC87842		<20	0.04	<10	<10	61	<10	78
CC87843		<20	0.06	<10	<10	44	<10	79
CC87844		<20	0.05	<10	<10	53	<10	89
CC87845		<20	0.04	<10	<10	48	<10	102
CC87846		<20	0.06	<10	<10	50	<10	107
CC87847		<20	0.06	<10	<10	63	<10	86
CC87848		<20	0.07	<10	<10	59	<10	139
CC87849		<20	0.04	<10	<10	40	<10	92
CC87850		<20	0.05	<10	<10	44	<10	96
CC87851		<20	0.05	<10	<10	400	<10	612
CC87852		<20	0.03	<10	<10	171	<10	252
CC87853		<20	0.05	<10	<10	60	<10	113
CC87854		<20	0.05	<10	<10	61	<10	89
CC87855		<20	0.05	<10	<10	54	<10	90
CC87856		<20	0.03	<10	<10	43	<10	120
CC87857		<20	0.04	<10	<10	51	<10	93
CC87858		<20	0.04	<10	<10	54	<10	87
CC87859		<20	0.04	<10	<10	55	<10	83
CC87860		<20	0.03	<10	<10	45	<10	108
CC87861		<20	0.03	<10	<10	36	<10	69
CC87862		<20	0.04	<10	<10	35	<10	76
CC87863		<20	0.03	<10	<10	40	<10	82
CC87864		<20	0.03	<10	<10	37	<10	86
CC87865		<20	0.05	<10	<10	21	<10	44
CC87866		<20	0.05	<10	<10	46	<10	75
CC87867		<20	0.02	<10	<10	23	<10	59
CC87868		<20	0.03	<10	<10	36	<10	80
CC87869		<20	0.04	<10	<10	50	<10	106
CC87870		<20	0.05	<10	<10	52	<10	89
CC87871		<20	0.05	<10	<10	51	<10	84

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
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Finalized Date: 9-JUL-2010
Account: RCM

Project: RAU (Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10085625

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC87872		0.32	0.001	<0.2	2.10	8	<10	200	0.8	<2	1.92	<0.5	10	30	15	3.31
CC87873		0.28	<0.001	0.2	1.87	7	<10	270	0.8	2	2.25	<0.5	10	25	17	3.10
CC87874		0.32	0.001	0.2	1.55	9	<10	210	0.6	<2	4.95	<0.5	9	24	17	2.79
CC87875		0.32	0.001	<0.2	2.00	11	<10	280	0.8	<2	0.94	<0.5	10	29	18	3.22
CC87876		0.24	<0.001	<0.2	2.10	11	<10	210	0.8	<2	1.52	<0.5	11	30	18	3.42
CC87877		0.26	<0.001	<0.2	1.73	8	<10	200	0.7	<2	2.39	0.6	9	24	18	2.59
CC87878		0.30	0.004	0.2	2.17	14	<10	220	0.9	2	0.74	<0.5	14	39	19	3.83
CC87879		0.32	<0.001	<0.2	1.75	12	<10	230	0.6	2	2.22	0.5	12	27	23	3.13
CC87880		0.30	0.001	<0.2	1.83	9	<10	160	0.6	<2	3.17	<0.5	15	31	23	3.66
CC87881		0.32	0.002	<0.2	3.54	4	<10	270	1.3	2	1.17	<0.5	24	86	35	5.95
CC87882		0.24	0.002	0.3	2.34	10	<10	380	1.7	2	1.50	<0.5	15	40	28	4.20
CC87883		0.24	<0.001	<0.2	1.33	7	<10	230	0.7	<2	2.87	0.6	7	18	19	2.08
CC87884		0.32	0.002	<0.2	2.00	10	<10	310	1.9	<2	0.55	<0.5	11	27	17	3.93
CC87885		0.20	<0.001	0.2	0.75	3	<10	280	0.5	<2	2.25	0.8	5	12	18	1.41
CC87886		0.26	0.006	<0.2	1.35	8	<10	210	0.7	<2	1.41	<0.5	8	22	16	2.81
CC87887		0.28	<0.001	<0.2	1.77	6	<10	350	1.0	<2	0.43	0.5	11	25	13	3.56
CC87888		0.36	<0.001	0.2	2.42	10	<10	220	1.1	2	0.74	<0.5	10	30	13	4.17
CC87889		0.30	<0.001	<0.2	1.88	11	<10	370	1.0	2	0.96	<0.5	10	26	20	3.36
CC87890		0.28	0.008	0.2	1.37	6	<10	260	0.8	<2	1.19	0.8	8	21	18	2.39
CC87891		0.32	<0.001	<0.2	1.84	10	<10	200	0.5	<2	0.23	<0.5	8	32	12	3.35
CC87892		0.42	0.001	<0.2	2.06	7	<10	220	0.5	2	0.36	<0.5	10	39	12	3.32
CC87893		0.44	0.002	0.2	1.96	6	<10	190	<0.5	2	0.20	<0.5	8	45	16	3.57
CC87894		0.36	<0.001	<0.2	2.15	6	<10	230	0.5	<2	0.19	<0.5	10	36	9	3.25
CC87895		0.36	<0.001	0.2	2.04	8	<10	130	<0.5	<2	0.20	<0.5	13	56	12	4.15
CC87900		0.12	0.001	<0.2	1.58	9	<10	210	0.5	<2	0.76	<0.5	9	29	28	2.86
CC87901		0.24	0.005	0.2	1.74	8	<10	200	0.6	<2	0.97	<0.5	11	32	32	3.26
CC87902		0.28	0.008	0.2	1.62	12	<10	190	0.6	<2	0.98	0.5	12	32	37	3.26
CC87903		0.30	0.002	0.2	1.79	10	<10	190	0.6	<2	0.76	<0.5	12	34	29	3.38
CC87904		0.20	0.002	0.3	1.74	8	<10	210	0.6	<2	0.99	<0.5	12	32	26	3.25
CC87905		0.26	0.003	<0.2	1.69	7	<10	180	0.5	<2	0.68	<0.5	12	34	23	3.28
CC87906		0.26	0.001	0.2	1.73	7	<10	180	0.6	<2	0.85	<0.5	12	34	24	3.28
CC87907		0.22	0.001	0.2	1.82	7	<10	160	0.6	<2	1.09	<0.5	12	44	22	3.48
CC87908		0.28	0.003	<0.2	1.99	5	<10	170	0.7	<2	1.19	<0.5	13	44	24	3.92
CC87909		0.14	0.001	0.3	1.94	8	<10	240	0.7	<2	2.10	<0.5	14	43	22	3.59
CC87910		0.26	0.002	0.2	2.43	7	<10	240	0.8	<2	1.03	<0.5	18	59	26	4.57
CC87911		0.20	<0.001	<0.2	3.81	3	<10	220	1.1	<2	1.44	<0.5	25	57	31	6.61
CC87912		0.18	0.001	0.5	3.46	5	<10	240	1.0	<2	1.54	<0.5	23	52	26	5.84
CC87913		0.22	<0.001	<0.2	3.01	5	<10	230	0.9	<2	1.00	<0.5	20	45	22	5.07
CC87914		0.24	0.001	<0.2	2.77	4	<10	220	0.9	<2	1.69	<0.5	19	50	27	5.04
CC87915		0.20	0.001	0.2	2.37	7	<10	260	0.8	<2	1.22	<0.5	16	37	24	4.12

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Finalized Date: 9-JUL-2010
Account: RCM

Project: RAU (Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10085625

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC87872		10	<1	0.10	20	1.06	696	1	0.02	22	400	20	0.02	<2	5	24
CC87873		10	<1	0.10	10	0.93	842	2	0.02	20	790	20	0.07	<2	3	27
CC87874		10	<1	0.10	10	1.54	638	1	0.02	20	780	18	0.04	<2	2	46
CC87875		10	<1	0.07	10	0.63	671	1	0.02	24	490	19	0.03	<2	4	19
CC87876		10	<1	0.11	20	0.80	525	1	0.02	24	410	18	0.03	<2	4	25
CC87877		10	<1	0.07	10	0.41	1065	1	0.02	19	880	14	0.11	<2	2	28
CC87878		10	<1	0.12	20	0.73	760	1	0.02	37	500	19	0.02	<2	4	20
CC87879		10	<1	0.09	10	0.84	798	1	0.02	25	880	13	0.07	<2	2	32
CC87880		10	<1	0.17	10	1.38	754	1	0.02	26	1070	11	0.07	<2	3	41
CC87881		10	<1	0.31	20	3.24	806	<1	0.02	46	1890	9	0.03	<2	7	56
CC87882		10	<1	0.19	20	1.62	1100	<1	0.02	28	1160	17	0.07	<2	6	39
CC87883		<10	<1	0.06	10	0.49	846	1	0.02	15	1260	9	0.15	<2	1	34
CC87884		10	<1	0.16	30	0.64	1010	1	0.02	23	820	15	0.03	<2	4	23
CC87885		<10	<1	0.05	10	0.21	773	1	0.02	8	640	13	0.09	<2	1	30
CC87886		<10	<1	0.10	20	0.73	575	1	0.02	19	850	14	0.03	<2	3	28
CC87887		10	<1	0.10	10	0.50	993	1	0.02	15	600	24	0.02	<2	3	14
CC87888		10	<1	0.08	20	0.74	502	<1	0.03	18	630	20	0.02	<2	4	23
CC87889		10	<1	0.09	20	0.56	650	1	0.02	20	950	19	0.06	<2	4	25
CC87890		<10	<1	0.10	10	0.40	877	1	0.02	13	1680	16	0.15	<2	2	22
CC87891		10	<1	0.09	10	0.58	601	1	0.01	18	530	16	0.01	<2	2	14
CC87892		10	<1	0.07	20	0.68	399	<1	0.01	21	720	14	0.01	<2	3	16
CC87893		10	<1	0.09	20	0.69	269	1	0.01	26	330	12	<0.01	<2	4	14
CC87894		10	<1	0.06	20	0.53	546	1	0.01	17	390	16	<0.01	<2	3	12
CC87895		10	<1	0.09	10	1.11	725	1	0.01	27	500	13	<0.01	<2	4	12
CC87900		10	1	0.12	20	0.62	410	1	0.03	25	1010	12	0.02	<2	4	34
CC87901		<10	<1	0.12	20	0.88	588	1	0.02	28	1010	16	<0.01	4	5	33
CC87902		<10	1	0.13	20	0.94	659	1	0.03	29	1090	14	<0.01	2	5	39
CC87903		<10	<1	0.11	20	0.93	633	1	0.02	28	1080	12	<0.01	2	5	34
CC87904		10	<1	0.12	20	0.89	642	1	0.03	27	1090	14	0.01	3	5	38
CC87905		10	<1	0.11	20	0.88	535	1	0.03	25	1180	12	<0.01	2	5	39
CC87906		<10	<1	0.10	20	0.91	552	1	0.02	25	980	14	0.02	4	4	31
CC87907		10	<1	0.12	20	1.15	502	<1	0.02	28	1070	10	0.01	2	5	36
CC87908		10	<1	0.13	20	1.44	652	1	0.02	31	1220	13	<0.01	2	5	41
CC87909		10	<1	0.14	20	1.42	879	1	0.02	30	1110	12	0.05	2	4	40
CC87910		10	<1	0.13	20	1.53	843	1	0.02	39	1310	15	0.02	2	6	40
CC87911		10	<1	0.20	20	3.38	1030	1	0.03	33	2260	8	0.01	3	9	99
CC87912		10	<1	0.13	20	2.73	1055	1	0.02	30	1700	9	0.03	<2	8	72
CC87913		10	<1	0.13	20	2.25	915	2	0.01	29	1390	11	0.03	<2	6	61
CC87914		10	<1	0.17	20	2.46	927	1	0.02	31	1720	10	0.02	3	7	70
CC87915		10	<1	0.11	20	1.53	791	1	0.01	25	1250	10	0.04	2	5	40

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Project: RAU (Grey Copper Hill)

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CERTIFICATE OF ANALYSIS VA10085625

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC87872		<20	0.07	<10	<10	58	<10	106
CC87873		<20	0.04	<10	<10	48	<10	92
CC87874		<20	0.04	<10	<10	45	<10	81
CC87875		<20	0.04	<10	<10	55	<10	78
CC87876		<20	0.05	<10	<10	57	<10	75
CC87877		<20	0.03	<10	<10	40	<10	72
CC87878		<20	0.04	<10	<10	60	<10	87
CC87879		<20	0.03	<10	<10	49	<10	73
CC87880		<20	0.10	<10	<10	55	<10	81
CC87881		<20	0.20	<10	<10	122	<10	103
CC87882		<20	0.10	<10	<10	87	<10	108
CC87883		<20	0.02	<10	<10	31	<10	52
CC87884		<20	0.09	<10	<10	56	<10	87
CC87885		<20	0.03	<10	<10	23	<10	62
CC87886		<20	0.05	<10	<10	41	<10	85
CC87887		<20	0.06	<10	<10	56	<10	121
CC87888		<20	0.07	<10	<10	66	<10	100
CC87889		<20	0.04	<10	<10	50	<10	103
CC87890		<20	0.02	<10	<10	38	<10	97
CC87891		<20	0.05	<10	<10	66	<10	87
CC87892		<20	0.06	<10	<10	67	<10	72
CC87893		<20	0.12	<10	<10	77	<10	51
CC87894		<20	0.06	<10	<10	70	<10	60
CC87895		<20	0.18	<10	<10	86	<10	67
CC87900		<20	0.08	<10	<10	55	<10	87
CC87901		<20	0.10	<10	<10	60	<10	88
CC87902		<20	0.12	<10	<10	60	<10	96
CC87903		<20	0.14	<10	<10	63	<10	89
CC87904		<20	0.12	<10	<10	61	<10	100
CC87905		<20	0.14	<10	<10	63	<10	92
CC87906		<20	0.12	<10	<10	61	<10	94
CC87907		<20	0.16	<10	<10	64	<10	83
CC87908		<20	0.22	<10	<10	72	<10	84
CC87909		<20	0.10	<10	<10	63	<10	70
CC87910		<20	0.20	<10	<10	85	<10	91
CC87911		<20	0.67	<10	<10	152	<10	106
CC87912		<20	0.49	<10	<10	134	<10	101
CC87913		<20	0.35	<10	<10	115	<10	126
CC87914		<20	0.39	<10	<10	110	<10	104
CC87915		<20	0.19	<10	<10	82	<10	106

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CERTIFICATE OF ANALYSIS VA10085625

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC87916		0.18	0.003	<0.2	2.09	7	<10	330	0.7	<2	1.96	<0.5	13	32	27	3.63
CC87917		0.20	0.001	<0.2	1.98	9	<10	290	0.8	<2	1.51	<0.5	11	29	22	3.25
CC87918		0.24	<0.001	<0.2	1.81	5	<10	240	0.8	<2	2.98	0.6	10	26	22	3.05
CC87919		0.32	0.001	<0.2	1.55	8	<10	190	0.7	<2	6.31	<0.5	9	22	26	2.87
CC87920		0.20	0.001	0.2	1.57	7	<10	210	0.6	<2	4.10	<0.5	9	23	22	2.74
CC87921		0.20	0.001	0.3	1.83	12	<10	240	0.8	<2	1.69	0.7	10	26	21	3.29
CC87922		0.30	0.003	0.2	1.40	9	<10	180	0.6	<2	6.39	<0.5	9	21	18	2.85
CC87923		0.18	0.002	0.2	2.22	7	<10	240	0.8	2	1.10	0.8	11	30	18	3.49
CC87924		0.24	0.002	<0.2	1.92	13	<10	270	0.8	<2	4.97	0.6	10	28	18	3.14
CC87925		0.30	0.002	<0.2	1.50	7	<10	320	0.6	<2	6.5	<0.5	8	22	18	2.56
CC87926		0.24	<0.001	<0.2	1.93	15	<10	270	0.8	<2	3.22	0.5	9	26	19	3.14
CC87927		0.24	0.002	<0.2	1.60	7	<10	180	0.7	<2	4.70	<0.5	8	23	18	2.91
CC87928		0.20	0.001	<0.2	2.27	6	<10	270	0.9	<2	1.01	0.6	10	34	19	3.45
CC87929		0.24	0.001	<0.2	1.91	11	<10	270	0.8	<2	1.93	<0.5	11	27	17	3.34
CC87930		0.22	<0.001	<0.2	2.21	12	<10	210	0.9	<2	1.09	<0.5	10	30	13	3.59
CC87931		0.26	0.001	0.2	2.11	11	<10	340	0.8	<2	4.30	<0.5	9	29	17	3.35
CC87932		0.20	0.002	<0.2	2.36	10	<10	380	1.0	<2	1.64	<0.5	11	33	21	3.66
CC87933		0.24	<0.001	<0.2	2.38	9	<10	230	1.0	<2	0.65	0.8	10	38	14	3.84
CC87934		0.22	0.001	<0.2	1.74	7	<10	200	0.8	<2	4.89	1.2	10	30	17	3.02
CC87935		0.22	<0.001	<0.2	1.91	9	<10	240	0.8	<2	1.24	0.5	11	30	18	3.43
CC87936		0.24	<0.001	0.2	2.02	6	<10	180	0.8	<2	3.22	0.9	9	28	18	2.97
CC87937		0.22	0.002	0.2	1.81	9	<10	220	0.8	<2	3.70	0.7	10	27	22	3.29
CC87938		0.20	<0.001	<0.2	2.09	8	<10	260	0.8	<2	4.12	1.5	10	27	21	3.13
CC87939		0.22	<0.001	<0.2	1.71	9	<10	170	0.7	<2	5.58	0.8	8	25	16	2.72
CC87940		0.24	0.001	<0.2	0.98	7	<10	260	<0.5	<2	20.9	<0.5	6	12	14	1.44
CC87941		0.24	0.004	<0.2	1.50	14	<10	370	0.7	<2	2.42	2.0	12	27	18	3.41
CC87942		0.28	0.001	0.2	1.83	24	<10	240	0.7	<2	0.91	0.5	10	27	11	3.11
CC87943		0.34	0.001	0.4	1.67	23	<10	190	0.7	<2	5.26	0.9	10	26	19	2.85
CC87944		0.30	<0.001	<0.2	2.31	11	<10	270	0.9	<2	1.48	0.6	12	37	17	3.41
CC87945		0.24	0.001	0.3	1.66	17	<10	170	0.7	<2	5.19	0.5	10	27	18	3.05
CC87946		0.34	<0.001	0.2	2.38	22	<10	240	1.0	<2	0.46	<0.5	14	46	17	4.15
CC87947		0.22	<0.001	0.2	2.34	9	<10	240	0.6	<2	1.02	0.8	13	40	18	3.97
CC87948		0.40	<0.001	<0.2	2.13	12	<10	270	0.7	<2	0.39	<0.5	11	39	13	3.73
CC87949		0.30	0.002	0.2	1.89	15	<10	220	0.7	<2	1.58	0.8	10	30	17	3.16
CC87950		0.32	<0.001	0.4	1.55	10	<10	120	0.7	<2	8.2	0.5	9	22	15	2.63
CC87951		0.32	0.003	0.2	1.36	15	<10	180	0.6	<2	8.0	<0.5	9	21	21	2.59
CC87952		0.28	0.001	0.5	1.67	21	<10	170	0.7	<2	1.48	0.8	12	24	19	3.93
CC87953		0.38	0.001	0.2	1.36	15	<10	160	0.6	<2	5.55	<0.5	10	20	15	3.11
CC87954		0.24	0.005	0.5	0.96	26	<10	220	0.9	<2	0.63	4.0	7	11	27	7.60
CC87955		0.28	0.001	0.6	1.60	18	<10	330	1.2	<2	1.86	2.8	7	21	24	5.08

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU (Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10085625

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC87916		10	<1	0.18	20	1.18	686	<1	0.02	24	1050	14	0.06	2	4	39
CC87917		<10	<1	0.14	20	0.57	524	1	0.01	26	930	19	0.05	2	4	28
CC87918		10	<1	0.16	10	1.11	742	2	0.01	24	990	17	0.08	2	2	33
CC87919		<10	<1	0.10	10	1.85	579	1	0.01	26	810	24	0.02	3	4	48
CC87920		10	<1	0.14	10	1.80	603	2	0.02	24	740	16	0.06	<2	3	33
CC87921		<10	<1	0.15	20	0.66	960	2	0.02	27	950	19	0.09	<2	2	23
CC87922		<10	<1	0.11	10	2.98	619	1	0.02	23	830	16	0.02	<2	3	48
CC87923		10	<1	0.10	20	0.59	867	3	0.01	25	960	23	0.06	4	2	18
CC87924		<10	<1	0.12	20	2.61	589	1	0.01	24	610	17	0.04	3	3	32
CC87925		<10	<1	0.12	10	2.22	488	1	0.01	19	690	13	0.04	6	2	52
CC87926		10	<1	0.18	20	1.13	766	7	0.02	31	930	17	0.07	3	2	32
CC87927		10	1	0.13	20	2.14	601	1	0.01	24	690	20	0.04	2	3	38
CC87928		10	<1	0.15	20	0.66	752	1	0.02	26	450	25	0.02	<2	5	21
CC87929		<10	<1	0.11	20	1.15	762	1	0.01	24	580	21	0.04	4	4	24
CC87930		10	<1	0.09	20	0.81	695	1	0.01	24	420	26	0.02	3	5	18
CC87931		10	<1	0.09	20	2.13	603	1	0.02	21	600	23	0.01	2	5	40
CC87932		10	1	0.11	20	0.97	876	1	0.02	26	390	23	0.02	2	5	28
CC87933		10	<1	0.13	20	0.65	647	1	0.01	30	270	24	0.01	2	6	15
CC87934		<10	<1	0.14	10	2.56	1180	1	0.02	19	1100	25	0.06	4	2	30
CC87935		10	<1	0.12	20	0.74	691	1	0.01	24	710	32	0.04	2	3	22
CC87936		10	1	0.12	10	1.57	664	3	0.01	28	720	57	0.06	3	3	30
CC87937		10	<1	0.13	10	1.35	748	1	0.01	27	910	56	0.06	<2	3	32
CC87938		<10	<1	0.13	10	1.97	840	1	0.02	24	670	49	0.06	<2	3	26
CC87939		<10	<1	0.10	10	3.01	565	1	0.01	22	530	60	0.03	5	3	29
CC87940		<10	<1	0.07	<10	0.50	416	<1	0.01	13	800	14	<0.01	2	1	76
CC87941		10	<1	0.11	10	1.07	2210	2	0.01	17	1330	23	0.14	4	2	24
CC87942		10	<1	0.07	10	0.50	643	3	0.01	16	440	30	0.04	4	3	15
CC87943		<10	<1	0.07	10	3.25	1100	5	0.02	21	1020	31	0.06	<2	2	27
CC87944		10	<1	0.08	10	1.01	1610	1	0.01	24	830	26	0.06	3	3	19
CC87945		<10	<1	0.08	10	3.36	865	2	0.01	23	890	31	0.04	2	2	25
CC87946		10	<1	0.12	20	0.74	1500	2	0.01	25	550	37	0.03	3	4	15
CC87947		10	<1	0.09	10	1.02	969	1	0.01	21	560	22	0.04	3	3	17
CC87948		10	<1	0.10	20	0.68	711	1	0.01	22	510	23	0.02	4	3	14
CC87949		<10	<1	0.09	10	1.18	922	1	0.01	21	770	20	0.04	<2	3	18
CC87950		10	<1	0.08	10	5.38	938	1	0.01	19	910	19	0.04	5	2	30
CC87951		<10	<1	0.08	10	5.25	813	2	0.01	17	840	18	0.02	5	2	35
CC87952		<10	<1	0.08	20	0.76	1135	6	0.01	25	1120	38	0.08	5	2	18
CC87953		10	1	0.07	10	3.40	1005	4	0.01	19	1180	23	0.05	5	2	27
CC87954		<10	<1	0.21	30	0.20	1135	19	0.01	27	2080	67	0.34	5	3	22
CC87955		<10	<1	0.14	30	1.04	2420	15	0.01	29	1500	38	0.14	6	3	19

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VANCOUVER BC V6B 1L8

Project: RAU (Grey Copper Hill)

Finalized Date: 9-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10085625

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC87916		<20	0.11	<10	<10	66	<10	98
CC87917		<20	0.04	<10	<10	51	<10	100
CC87918		<20	0.03	<10	<10	43	<10	142
CC87919		<20	0.05	<10	<10	39	<10	110
CC87920		<20	0.04	<10	<10	41	<10	98
CC87921		<20	0.03	<10	<10	46	<10	109
CC87922		<20	0.07	<10	<10	39	<10	87
CC87923		<20	0.04	<10	<10	57	<10	147
CC87924		<20	0.05	<10	<10	48	<10	97
CC87925		<20	0.04	<10	<10	37	<10	84
CC87926		<20	0.03	<10	<10	49	<10	158
CC87927		<20	0.05	<10	<10	40	<10	90
CC87928		<20	0.05	<10	<10	60	<10	138
CC87929		<20	0.05	<10	<10	50	<10	86
CC87930		<20	0.06	<10	<10	61	<10	105
CC87931		<20	0.09	<10	<10	57	<10	102
CC87932		<20	0.08	<10	<10	61	<10	109
CC87933		<20	0.07	<10	<10	66	<10	195
CC87934		<20	0.03	<10	<10	41	<10	101
CC87935		<20	0.06	<10	<10	51	<10	126
CC87936		<20	0.04	<10	<10	52	<10	186
CC87937		<20	0.04	<10	<10	48	<10	184
CC87938		<20	0.05	<10	<10	52	<10	260
CC87939		<20	0.04	<10	<10	46	<10	197
CC87940		<20	0.02	<10	<10	21	<10	118
CC87941		<20	0.03	<10	<10	40	<10	198
CC87942		<20	0.04	<10	<10	55	<10	127
CC87943		<20	0.03	<10	<10	45	<10	140
CC87944		<20	0.04	<10	<10	65	<10	115
CC87945		<20	0.03	<10	<10	46	<10	113
CC87946		<20	0.06	<10	<10	74	<10	123
CC87947		<20	0.09	<10	<10	74	<10	126
CC87948		<20	0.06	<10	<10	67	<10	104
CC87949		<20	0.04	<10	<10	54	<10	123
CC87950		<20	0.03	<10	<10	41	<10	107
CC87951		<20	0.03	<10	<10	42	<10	91
CC87952		<20	0.03	<10	<10	54	<10	167
CC87953		<20	0.03	<10	<10	45	<10	129
CC87954		<20	0.02	<10	<10	75	<10	579
CC87955		<20	0.03	<10	<10	107	<10	451

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Finalized Date: 9-JUL-2010
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CERTIFICATE OF ANALYSIS VA10085625

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC87956		0.18	0.013	0.3	0.52	8	<10	150	<0.5	<2	0.09	<0.5	1	10	27	2.52
CC87957		0.20	<0.001	0.2	1.69	16	<10	200	<0.5	<2	0.18	<0.5	6	26	14	4.05
CC87958		0.18	0.001	0.7	0.88	5	<10	340	0.5	<2	0.26	3.4	11	16	21	3.07
CC87959		0.30	0.002	1.2	3.18	19	<10	220	3.1	<2	0.43	6.6	7	28	64	4.75
CC87960		0.20	0.001	1.1	4.06	20	<10	220	2.5	<2	0.68	3.3	22	109	57	7.23
CC87961		0.24	0.002	0.4	2.94	11	<10	290	1.9	<2	0.53	2.3	8	34	37	4.36
CC87962		0.28	<0.001	0.4	1.76	13	<10	280	0.7	<2	0.46	4.0	10	26	20	3.44
CC87963		0.38	<0.001	0.7	4.31	3	<10	160	1.1	<2	1.24	<0.5	32	60	25	7.72
CC87964		0.38	<0.001	0.3	1.88	10	<10	220	0.9	<2	0.50	<0.5	13	29	20	3.66
CC87965		0.50	<0.001	<0.2	4.00	<2	<10	240	0.9	<2	1.45	<0.5	30	55	29	7.24
CC87966		0.20	<0.001	0.3	4.87	<2	<10	250	1.4	<2	0.92	<0.5	32	62	24	8.14
CC87967		0.20	<0.001	0.2	5.13	<2	<10	180	1.3	<2	0.80	<0.5	36	69	25	8.10
CC87968		0.28	<0.001	0.3	5.67	<2	<10	390	1.4	2	0.75	<0.5	38	70	29	8.53
CC87969		0.20	<0.001	<0.2	4.56	3	<10	390	1.2	<2	0.78	<0.5	31	57	20	7.10
CC87970		0.36	0.001	0.2	4.67	<2	<10	240	1.1	<2	0.87	<0.5	33	58	25	7.21
CC87971		0.30	0.005	<0.2	2.55	4	<10	180	0.9	<2	2.02	<0.5	22	39	24	4.58
CC87972		0.20	0.003	<0.2	1.97	6	<10	180	0.8	<2	2.47	<0.5	22	43	32	4.90
CC87973		0.14	<0.001	<0.2	1.66	6	<10	200	0.7	<2	2.57	0.5	14	21	22	3.51
CC87974		0.40	0.001	<0.2	2.20	9	<10	170	0.9	<2	2.47	<0.5	25	43	35	5.46
CC87975		0.20	0.002	<0.2	1.40	7	<10	310	0.6	<2	3.68	0.5	8	21	17	2.55
CC87976		0.28	0.001	0.2	1.88	11	<10	310	0.8	<2	2.11	0.5	10	30	18	3.24

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CERTIFICATE OF ANALYSIS VA10085625

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC87956		<10	<1	0.20	40	0.05	102	10	0.01	6	1000	18	0.26	2	1	14
CC87957		10	1	0.12	20	0.35	850	5	0.01	13	680	30	0.11	4	2	13
CC87958		<10	<1	0.17	20	0.18	3960	15	0.01	12	990	26	0.15	3	1	17
CC87959		10	<1	0.41	60	2.12	705	41	0.01	63	940	31	0.27	9	7	19
CC87960		10	<1	0.45	80	2.69	440	31	<0.01	74	1430	18	0.13	3	9	40
CC87961		10	<1	0.19	100	1.20	1185	12	<0.01	33	1000	29	0.10	<2	3	23
CC87962		10	<1	0.29	20	0.64	1095	31	0.01	21	640	25	0.08	4	2	19
CC87963		20	1	0.21	10	3.95	1250	<1	0.01	34	2070	5	<0.01	7	8	70
CC87964		10	<1	0.14	20	0.81	880	1	0.01	29	990	26	0.01	6	4	20
CC87965		10	<1	0.63	20	3.62	1315	<1	0.01	30	2380	<2	<0.01	3	6	78
CC87966		20	1	0.84	10	5.11	1155	1	0.01	34	1990	3	0.02	3	12	61
CC87967		20	<1	0.62	20	5.74	1140	<1	0.01	39	2140	2	0.01	<2	12	76
CC87968		20	<1	0.62	10	6.42	1535	<1	<0.01	39	2420	2	<0.01	3	12	73
CC87969		20	<1	0.73	10	4.88	1555	<1	0.01	34	1810	6	0.05	2	8	121
CC87970		10	<1	0.74	10	4.97	1520	<1	0.01	40	2470	6	<0.01	6	8	121
CC87971		10	<1	0.28	10	2.29	944	<1	0.01	31	1350	4	0.07	3	4	51
CC87972		10	<1	0.23	20	1.64	1265	<1	0.01	36	1300	11	0.10	<2	4	46
CC87973		10	<1	0.22	20	1.10	960	<1	0.02	20	1520	13	0.10	<2	3	46
CC87974		10	<1	0.42	20	1.92	1245	<1	0.01	40	1750	17	0.01	<2	7	44
CC87975		<10	<1	0.09	10	1.46	767	<1	0.01	18	980	20	0.08	<2	2	33
CC87976		<10	<1	0.11	20	1.24	605	<1	0.01	25	810	31	0.04	<2	3	24

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Account: RCM

Project: RAU (Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10085625

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC87956		<20	0.02	<10	<10	28	<10	83
CC87957		<20	0.06	<10	<10	64	<10	125
CC87958		<20	0.04	<10	<10	94	<10	182
CC87959		<20	0.04	<10	<10	321	<10	922
CC87960		<20	0.08	<10	<10	205	<10	624
CC87961		<20	0.05	<10	<10	196	<10	401
CC87962		<20	0.06	<10	<10	180	<10	277
CC87963		<20	0.71	<10	<10	185	<10	101
CC87964		<20	0.06	<10	<10	50	<10	98
CC87965		<20	0.71	<10	<10	143	<10	98
CC87966		<20	0.48	<10	<10	198	<10	106
CC87967		<20	0.40	<10	<10	199	<10	103
CC87968		<20	0.26	<10	<10	198	<10	108
CC87969		<20	0.29	<10	<10	168	<10	93
CC87970		<20	0.41	<10	<10	128	<10	111
CC87971		<20	0.23	<10	<10	74	<10	102
CC87972		<20	0.24	<10	<10	76	<10	86
CC87973		<20	0.14	<10	<10	53	<10	101
CC87974		<20	0.26	<10	<10	93	<10	113
CC87975		<20	0.05	<10	<10	35	<10	108
CC87976		<20	0.04	<10	<10	51	<10	115

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 12-JUL-2010
Account: RCM

CERTIFICATE VA10085626

Project: RAU (Grey Copper Hill)

P.O. No.: GCH

This report is for 142 Soil samples submitted to our lab in Vancouver, BC, Canada on 28-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-31	Pulverize split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
SCR-43	Screen to -500um, discard plus
SCR-01	Screen - Save plus fraction

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Project: RAU (Grey Copper Hill)

Finalized Date: 12-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10085626

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC87981		0.18	0.008	3.0	1.76	31	<10	280	1.3	<2	0.92	12.9	8	49	162	3.25
CC88081		0.30	0.003	0.2	1.15	25	<10	120	<0.5	2	0.13	<0.5	8	28	23	2.87
CC88082		0.42	0.002	0.2	1.49	30	<10	140	<0.5	2	0.12	<0.5	7	28	22	2.84
CC88083		0.32	0.003	0.3	1.23	36	<10	130	0.5	3	0.15	<0.5	11	26	35	3.04
CC88084		0.32	0.003	0.2	1.41	28	<10	150	0.5	2	0.14	<0.5	11	35	28	3.17
CC88085		0.32	0.001	0.2	1.02	30	<10	110	<0.5	10	0.08	<0.5	12	20	31	3.31
CC88086		0.36	0.002	<0.2	1.25	27	<10	120	0.6	3	0.14	<0.5	13	23	37	3.64
CC88087		0.28	0.001	<0.2	1.26	24	<10	130	0.5	2	0.14	<0.5	11	24	26	3.65
CC88088		0.30	<0.001	0.3	1.15	15	<10	150	0.8	2	0.72	0.5	13	18	42	3.83
CC88089		0.26	0.002	<0.2	1.07	16	<10	150	0.6	<2	0.25	<0.5	14	21	31	3.55
CC88090		0.28	0.004	<0.2	0.85	14	<10	130	0.5	<2	0.19	<0.5	12	18	29	3.43
CC88091		0.36	<0.001	0.3	0.92	13	<10	100	0.7	<2	0.28	<0.5	14	16	29	3.69
CC88092		0.38	0.003	<0.2	0.87	12	<10	130	<0.5	<2	0.15	<0.5	11	19	21	3.20
CC88093		0.28	0.005	0.3	1.50	35	<10	160	0.7	<2	3.04	1.4	10	26	18	3.12
CC88094		0.26	0.001	0.2	1.71	22	<10	140	0.7	<2	5.79	0.6	9	25	15	2.98
CC88095		0.28	0.001	0.2	1.59	13	<10	130	0.6	<2	7.14	0.8	8	22	12	2.49
CC88096		0.28	0.002	<0.2	2.02	11	<10	230	0.7	<2	2.16	0.6	11	30	28	2.99
CC88097		0.28	<0.001	<0.2	2.55	31	<10	170	1.0	<2	1.21	1.8	11	36	17	3.95
CC88098		0.34	<0.001	<0.2	2.30	22	<10	230	0.9	<2	1.47	1.2	12	35	15	3.87
CC88099		0.30	0.003	0.2	1.46	18	<10	160	0.6	<2	6.44	0.6	7	22	15	2.73
CC88100		0.28	0.002	0.2	1.16	12	<10	480	0.5	<2	4.28	0.5	6	18	16	2.69
CC88101		0.38	0.002	0.2	0.74	17	<10	190	<0.5	<2	13.2	0.5	4	12	12	1.85
CC88102		0.34	0.001	<0.2	1.55	12	<10	380	0.6	<2	0.65	0.6	11	22	14	3.62
CC88103		0.28	0.001	0.3	1.46	11	<10	220	0.7	<2	3.84	0.5	9	22	16	3.26
CC88104		0.30	0.004	1.5	1.82	38	<10	1460	1.7	<2	2.52	7.0	9	35	109	4.93
CC88105		0.24	0.006	3.2	1.91	35	<10	520	1.2	<2	0.39	4.5	7	23	50	7.80
CC88106		0.32	<0.001	<0.2	1.68	17	<10	210	0.8	<2	0.25	0.7	9	22	16	5.57
CC88107		0.30	<0.001	0.2	1.27	15	<10	150	0.7	<2	0.12	0.5	4	18	18	5.66
CC88108		0.28	<0.001	<0.2	0.96	13	<10	200	0.6	<2	0.07	1.9	4	11	13	4.53
CC88109		0.32	0.003	<0.2	0.97	22	<10	140	0.5	<2	0.09	0.6	4	16	17	5.11
CC88110		0.24	0.002	<0.2	1.26	11	<10	260	<0.5	<2	0.33	<0.5	9	25	13	3.33
CC88111		0.20	0.002	0.2	1.69	13	<10	250	0.5	<2	0.46	1.2	6	28	13	4.27
CC88112		0.32	0.002	1.9	4.12	26	<10	230	1.2	<2	1.31	7.8	20	36	93	5.71
CC88113		0.28	0.006	1.5	2.60	18	<10	280	2.1	<2	1.46	4.9	9	43	82	3.58
CC88114		0.34	0.003	0.3	2.79	17	<10	270	2.3	<2	0.47	2.1	10	35	39	4.99
CC88405		0.16	0.001	0.2	1.96	11	<10	250	0.8	<2	3.59	<0.5	11	29	28	3.37
CC88406		0.18	0.001	<0.2	1.69	27	<10	170	0.7	<2	6.08	0.5	8	28	16	2.76
CC88407		0.12	0.001	<0.2	1.98	12	<10	250	0.8	<2	1.94	0.8	9	28	19	2.95
CC88408		0.20	<0.001	<0.2	2.22	10	<10	220	0.9	<2	0.80	<0.5	10	29	14	3.60
CC88409		0.16	0.001	<0.2	1.82	14	<10	200	0.7	<2	3.47	<0.5	10	26	17	3.33

***** See Appendix Page for comments regarding this certificate *****

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Project: RAU (Grey Copper Hill)

Finalized Date: 12-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10085626

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC87981		10	1	0.21	40	1.34	1310	37	0.01	90	1010	58	0.06	6	5	25
CC88081		10	<1	0.11	20	0.25	461	2	0.01	24	780	21	0.04	<2	1	24
CC88082		<10	1	0.08	10	0.35	357	1	0.01	20	800	25	0.02	<2	2	26
CC88083		<10	<1	0.12	20	0.25	550	2	0.01	29	1090	32	0.05	2	1	64
CC88084		<10	<1	0.14	20	0.31	663	2	0.01	32	800	39	0.03	<2	2	39
CC88085		<10	<1	0.10	10	0.16	971	1	0.01	19	740	28	0.02	4	1	35
CC88086		<10	<1	0.09	10	0.31	889	1	0.01	29	830	21	0.01	<2	3	29
CC88087		<10	<1	0.09	10	0.29	686	<1	0.01	23	750	22	0.01	<2	2	23
CC88088		<10	<1	0.08	10	0.26	1395	<1	0.01	20	1560	29	0.09	2	3	26
CC88089		<10	<1	0.09	10	0.32	1055	<1	0.01	27	700	24	0.01	<2	3	19
CC88090		<10	<1	0.10	10	0.23	1010	<1	0.01	23	600	22	0.02	<2	1	17
CC88091		<10	1	0.09	10	0.27	661	<1	0.01	27	560	25	0.01	<2	4	17
CC88092		<10	<1	0.08	10	0.23	852	<1	<0.01	19	450	18	0.01	<2	1	12
CC88093		<10	<1	0.07	10	1.71	1365	4	0.01	20	870	58	0.06	<2	2	20
CC88094		<10	<1	0.07	10	3.84	987	2	0.01	19	630	36	0.03	<2	3	27
CC88095		<10	<1	0.06	10	4.58	988	<1	0.02	16	730	27	0.04	<2	2	26
CC88096		10	<1	0.12	10	0.95	740	1	0.02	25	620	17	0.06	<2	3	30
CC88097		10	<1	0.08	10	1.00	1150	4	0.01	26	450	39	0.02	<2	4	14
CC88098		10	<1	0.08	10	1.11	1425	1	0.01	22	550	36	0.03	<2	4	15
CC88099		<10	<1	0.06	10	4.30	989	2	0.02	17	780	25	0.03	<2	2	27
CC88100		<10	<1	0.07	20	2.12	737	4	0.01	15	940	22	0.08	<2	2	22
CC88101		<10	<1	0.05	10	7.99	607	2	0.01	12	480	26	0.01	<2	2	52
CC88102		<10	<1	0.12	20	0.53	1630	4	0.01	17	670	29	0.05	<2	3	15
CC88103		<10	<1	0.09	20	2.42	995	3	0.02	20	1100	24	0.04	<2	3	27
CC88104		<10	1	0.16	30	1.36	1155	48	0.01	106	1650	42	0.08	7	4	31
CC88105		10	1	0.32	50	0.34	1090	90	<0.01	45	1200	80	0.38	7	5	20
CC88106		10	<1	0.15	40	0.44	648	7	<0.01	19	650	36	0.09	<2	4	13
CC88107		10	<1	0.18	40	0.27	312	8	0.01	10	840	33	0.24	<2	3	21
CC88108		10	<1	0.52	60	0.24	216	12	0.01	5	740	35	0.52	<2	3	23
CC88109		10	<1	0.19	50	0.25	258	13	0.01	9	490	36	0.23	<2	3	11
CC88110		10	<1	0.12	20	0.42	664	4	0.01	14	680	29	0.08	<2	2	15
CC88111		10	<1	0.15	20	0.53	436	5	0.02	16	470	30	0.09	<2	3	15
CC88112		10	<1	0.61	30	3.90	507	31	0.01	86	2190	12	0.04	6	7	27
CC88113		10	<1	0.28	40	2.13	626	20	0.02	56	1160	21	0.10	3	5	41
CC88114		10	<1	0.27	50	1.36	597	24	0.02	47	770	18	0.10	2	6	21
CC88405		<10	<1	0.16	20	1.65	605	2	0.03	29	910	19	0.06	<2	4	42
CC88406		<10	<1	0.08	10	4.29	1010	3	0.02	18	790	28	0.07	3	3	27
CC88407		<10	<1	0.12	20	0.49	1070	2	0.03	20	1240	17	0.15	<2	2	25
CC88408		10	<1	0.12	20	0.63	756	1	0.02	21	570	25	0.05	<2	4	15
CC88409		<10	<1	0.16	20	1.98	692	1	0.03	22	600	22	0.05	<2	4	30

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Project: RAU (Grey Copper Hill)

Finalized Date: 12-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10085626

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC87981		<20	0.05	<10	<10	644	<10	1125
CC88081		<20	0.03	<10	<10	49	<10	61
CC88082		<20	0.04	<10	<10	44	<10	59
CC88083		<20	0.03	<10	<10	47	<10	66
CC88084		<20	0.03	<10	<10	46	<10	65
CC88085		<20	0.03	<10	<10	48	<10	53
CC88086		<20	0.03	<10	<10	39	<10	71
CC88087		<20	0.04	<10	<10	44	<10	60
CC88088		<20	0.01	<10	<10	51	<10	98
CC88089		<20	0.02	<10	<10	36	<10	65
CC88090		<20	0.02	<10	<10	34	<10	68
CC88091		<20	0.01	<10	<10	27	<10	72
CC88092		<20	0.02	<10	<10	34	<10	52
CC88093		<20	0.03	<10	<10	45	<10	228
CC88094		<20	0.03	<10	<10	49	<10	133
CC88095		<20	0.03	<10	<10	44	<10	123
CC88096		<20	0.04	<10	<10	51	<10	105
CC88097		<20	0.05	<10	<10	71	<10	167
CC88098		<20	0.05	<10	<10	65	<10	135
CC88099		<20	0.03	<10	<10	45	<10	118
CC88100		<20	0.03	<10	<10	52	<10	107
CC88101		<20	0.03	<10	<10	31	<10	95
CC88102		<20	0.06	<10	<10	57	<10	138
CC88103		<20	0.05	<10	<10	50	<10	131
CC88104		<20	0.03	<10	<10	702	<10	719
CC88105		<20	0.03	<10	<10	255	<10	490
CC88106		<20	0.06	<10	<10	46	<10	213
CC88107		<20	0.05	<10	<10	39	<10	252
CC88108		<20	0.09	<10	<10	45	<10	105
CC88109		<20	0.08	<10	<10	46	<10	195
CC88110		<20	0.08	<10	<10	60	<10	89
CC88111		<20	0.08	<10	<10	65	<10	118
CC88112		<20	0.19	<10	<10	311	<10	1160
CC88113		<20	0.04	<10	<10	436	<10	614
CC88114		<20	0.06	<10	<10	171	<10	445
CC88405		<20	0.06	<10	<10	56	<10	122
CC88406		<20	0.03	<10	<10	46	<10	126
CC88407		<20	0.02	<10	<10	46	<10	105
CC88408		<20	0.05	<10	<10	54	<10	114
CC88409		<20	0.05	<10	<10	46	<10	90

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Account: RCM

CERTIFICATE OF ANALYSIS VA10085626

Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
Sample Description LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC88410	0.18	<0.001	0.7	1.93	15	<10	240	0.7	<2	2.80	0.8	10	29	27	3.22
CC88411	0.16	<0.001	<0.2	1.78	10	<10	220	0.6	<2	3.51	0.5	8	26	14	2.61
CC88412	0.22	<0.001	<0.2	2.29	12	<10	210	0.8	<2	0.51	<0.5	9	36	10	3.28
CC88413	0.22	0.004	<0.2	1.58	12	<10	190	0.6	<2	8.5	<0.5	8	25	15	2.90
CC88414	0.24	<0.001	<0.2	2.25	12	<10	520	0.9	<2	0.69	<0.5	11	35	12	3.81
CC88415	0.22	0.001	<0.2	1.70	8	<10	200	0.6	<2	3.94	<0.5	9	26	14	3.00
CC88416	0.18	0.002	<0.2	1.82	10	<10	260	0.7	<2	4.18	<0.5	9	27	16	3.26
CC88417	0.22	0.001	<0.2	2.17	8	<10	300	0.8	<2	2.60	0.8	10	31	16	3.29
CC88418	0.22	0.001	<0.2	2.32	10	<10	270	0.9	<2	1.36	0.6	12	36	17	3.60
CC88419	0.16	0.013	<0.2	1.35	8	<10	170	0.5	<2	7.6	0.6	8	21	17	2.44
CC88420	0.20	<0.001	<0.2	1.59	11	<10	200	0.6	<2	6.15	0.8	7	22	13	2.42
CC88421	0.10	0.002	<0.2	1.63	7	<10	270	0.6	<2	3.60	1.9	9	23	22	2.57
CC88422	0.22	<0.001	<0.2	2.03	8	<10	240	0.8	<2	2.64	<0.5	10	28	16	3.52
CC88423	0.22	<0.001	<0.2	2.36	6	<10	330	0.9	<2	1.21	0.6	10	33	12	3.80
CC88424	0.20	0.001	<0.2	1.75	7	<10	180	0.8	<2	4.95	<0.5	9	24	18	3.31
CC88425	0.16	0.002	<0.2	1.87	6	<10	280	1.0	<2	1.79	<0.5	13	25	15	3.21
CC88426	0.14	0.002	<0.2	1.81	4	<10	490	0.8	<2	1.98	<0.5	11	17	20	3.01
CC88427	0.24	<0.001	<0.2	1.75	6	<10	180	0.7	<2	3.69	<0.5	13	20	21	3.67
CC88428	0.16	0.002	<0.2	2.65	5	<10	240	0.9	<2	1.41	<0.5	21	27	19	4.83
CC88429	0.16	<0.001	<0.2	3.10	2	<10	190	0.9	<2	1.64	<0.5	22	43	20	5.34
CC88430	0.16	<0.001	<0.2	3.45	5	<10	180	1.1	<2	1.62	<0.5	25	48	23	5.97
CC88431	0.30	0.001	<0.2	4.05	5	<10	160	1.1	<2	1.45	<0.5	28	57	25	6.71
CC88432	0.28	<0.001	<0.2	4.70	<2	<10	190	1.2	<2	0.88	<0.5	30	61	18	7.73
CC88433	0.32	<0.001	<0.2	5.16	3	<10	210	1.4	<2	0.84	<0.5	34	68	21	8.20
CC88434	0.16	<0.001	<0.2	5.42	<2	<10	320	1.4	<2	0.79	<0.5	33	67	19	8.65
CC88435	0.34	0.007	<0.2	1.28	8	<10	280	0.5	<2	6.56	<0.5	7	21	17	2.43
CC88436	0.18	<0.001	0.2	4.67	3	<10	230	1.3	<2	1.29	<0.5	29	66	28	8.04
CC88437	0.22	0.001	<0.2	3.33	7	<10	250	1.0	<2	1.02	<0.5	23	45	22	5.65
CC88445	0.24	<0.001	<0.2	3.05	6	<10	200	0.9	<2	0.94	<0.5	22	42	19	5.37
CC88446	0.20	0.001	<0.2	1.75	11	<10	190	0.7	<2	1.46	<0.5	12	26	17	3.60
CC88447	0.20	<0.001	<0.2	2.03	10	<10	270	0.8	2	1.45	<0.5	11	29	14	3.57
CC88472	0.32	<0.001	<0.2	1.59	10	<10	130	<0.5	<2	0.16	<0.5	10	33	13	3.14
CC88473	0.30	0.002	<0.2	1.97	10	<10	210	0.6	<2	0.21	<0.5	11	37	11	3.22
CC88474	0.30	<0.001	<0.2	1.99	9	<10	170	0.5	<2	0.15	<0.5	10	53	21	3.45
CC88475	0.22	<0.001	<0.2	1.52	9	<10	150	<0.5	<2	0.15	0.5	13	38	11	3.29
CC88476	0.18	<0.001	<0.2	1.40	10	<10	180	<0.5	<2	0.18	0.7	14	34	12	3.04
CC88477	0.40	0.006	<0.2	1.65	8	<10	110	<0.5	<2	0.19	<0.5	9	36	16	3.12
CC88478	0.26	0.003	<0.2	1.92	33	<10	210	0.7	<2	0.25	0.5	12	31	15	3.39
CC88479	0.32	0.004	1.5	0.52	19	<10	70	<0.5	<2	14.2	0.5	4	8	35	1.30
CC88480	0.26	0.006	<0.2	1.76	31	<10	270	0.6	2	0.49	1.0	13	29	17	3.70

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU (Grey Copper Hill)

Finalized Date: 12-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10085626

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC88410		<10	2	0.12	20	1.25	804	1	0.03	23	730	22	0.06	12	3	32
CC88411		<10	<1	0.10	10	1.06	446	1	0.02	18	790	10	0.06	<2	2	29
CC88412		10	<1	0.08	20	0.63	351	1	0.02	25	280	15	0.02	<2	5	16
CC88413		<10	1	0.14	20	1.26	461	2	0.02	23	720	15	0.03	<2	4	85
CC88414		<10	<1	0.11	20	0.69	556	1	0.02	25	340	27	0.03	<2	5	12
CC88415		<10	<1	0.12	20	2.41	622	1	0.03	20	720	23	0.05	<2	3	29
CC88416		<10	<1	0.15	20	2.62	654	1	0.02	21	780	33	0.05	<2	3	28
CC88417		<10	<1	0.11	20	0.96	1035	1	0.02	23	600	41	0.06	<2	4	23
CC88418		<10	<1	0.12	20	1.06	503	1	0.02	30	450	50	0.04	<2	5	17
CC88419		<10	<1	0.14	10	1.85	525	1	0.02	17	1010	27	0.10	<2	2	53
CC88420		<10	1	0.09	10	2.93	627	1	0.03	16	780	33	0.08	2	2	33
CC88421		<10	<1	0.12	10	0.54	892	1	0.03	19	1360	23	0.14	<2	1	30
CC88422		<10	<1	0.14	20	1.45	715	1	0.03	22	680	23	0.06	<2	4	26
CC88423		<10	<1	0.09	20	0.69	1085	1	0.02	19	590	28	0.06	<2	4	18
CC88424		<10	<1	0.17	20	3.13	789	1	0.03	19	950	19	0.05	<2	3	37
CC88425		<10	<1	0.50	30	0.91	742	<1	0.03	22	1350	8	0.08	<2	3	69
CC88426		<10	<1	0.27	20	0.99	743	<1	0.03	12	1010	9	0.11	<2	2	99
CC88427		<10	<1	0.35	20	2.15	764	<1	0.03	17	1850	10	0.05	<2	3	64
CC88428		10	<1	0.52	20	2.50	994	<1	0.03	26	2230	5	0.04	<2	4	82
CC88429		10	<1	0.37	20	3.10	1020	<1	0.02	30	1890	4	0.05	<2	6	88
CC88430		10	<1	0.35	20	3.48	1095	<1	0.02	33	2100	3	0.05	<2	7	91
CC88431		10	<1	0.31	20	4.28	1230	<1	0.02	35	2370	6	0.03	<2	8	108
CC88432		10	<1	0.51	20	5.30	1200	<1	0.02	34	2210	2	0.02	<2	11	89
CC88433		20	<1	0.49	20	5.75	1050	<1	0.02	36	2330	4	0.02	<2	13	93
CC88434		20	<1	0.81	20	6.21	1355	<1	0.02	38	2270	<2	0.02	<2	13	92
CC88435		<10	<1	0.12	10	2.40	415	1	0.03	19	840	20	0.07	<2	2	53
CC88436		10	<1	0.53	10	4.98	963	1	0.03	35	2190	2	0.04	2	13	105
CC88437		10	<1	0.22	20	2.76	1330	2	0.05	29	1580	10	0.04	<2	7	63
CC88445		10	<1	0.13	20	2.65	1150	2	0.02	27	1580	10	0.03	<2	6	56
CC88446		<10	<1	0.11	20	1.16	790	1	0.03	23	410	23	0.03	2	5	21
CC88447		<10	<1	0.13	20	1.06	539	2	0.03	22	650	26	0.05	2	4	22
CC88472		<10	<1	0.07	10	0.50	564	1	0.01	19	540	14	0.02	2	2	13
CC88473		10	<1	0.07	20	0.61	389	1	0.02	21	620	14	0.02	<2	2	15
CC88474		10	<1	0.08	10	0.57	460	1	0.02	23	540	16	0.02	<2	2	12
CC88475		<10	<1	0.10	10	0.52	1355	2	0.02	17	800	14	0.07	<2	1	13
CC88476		10	<1	0.11	10	0.45	1610	1	0.02	17	920	15	0.08	<2	1	15
CC88477		10	<1	0.08	20	0.56	376	1	0.02	23	720	10	0.02	<2	3	14
CC88478		10	<1	0.09	10	0.48	962	2	0.02	21	840	32	0.05	3	1	15
CC88479		<10	<1	0.04	10	9.11	603	3	0.03	7	380	32	0.03	6	1	59
CC88480		<10	<1	0.08	10	0.51	1870	3	0.02	21	880	44	0.05	<2	2	17

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 12-JUL-2010
Account: RCM

Project: RAU (Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10085626

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC88410		<20	0.04	<10	<10	51	<10	115
CC88411		<20	0.03	<10	<10	46	<10	108
CC88412		<20	0.05	<10	<10	59	<10	71
CC88413		<20	0.04	<10	<10	40	<10	79
CC88414		<20	0.07	<10	<10	61	<10	119
CC88415		<20	0.05	<10	<10	44	<10	100
CC88416		<20	0.05	<10	<10	46	<10	119
CC88417		<20	0.05	<10	<10	59	<10	268
CC88418		<20	0.06	<10	<10	61	<10	173
CC88419		<20	0.03	<10	<10	36	<10	132
CC88420		<20	0.04	<10	<10	40	<10	134
CC88421		<20	0.02	<10	<10	38	<10	196
CC88422		<20	0.06	<10	<10	49	<10	97
CC88423		<20	0.05	<10	<10	62	<10	123
CC88424		<20	0.06	<10	<10	42	<10	87
CC88425		<20	0.12	<10	<10	34	<10	97
CC88426		<20	0.11	<10	<10	35	<10	86
CC88427		<20	0.18	<10	<10	41	<10	95
CC88428		<20	0.23	<10	<10	65	<10	105
CC88429		<20	0.33	<10	<10	95	<10	94
CC88430		<20	0.36	<10	<10	109	<10	168
CC88431		<20	0.34	<10	<10	123	<10	107
CC88432		<20	0.40	<10	<10	169	<10	99
CC88433		<20	0.42	<10	<10	203	<10	99
CC88434		<20	0.37	<10	<10	201	<10	100
CC88435		<20	0.04	<10	<10	38	<10	92
CC88436		<20	0.54	<10	<10	199	<10	101
CC88437		<20	0.41	<10	<10	123	<10	120
CC88445		<20	0.33	<10	<10	113	<10	115
CC88446		<20	0.06	<10	<10	49	<10	84
CC88447		<20	0.06	<10	<10	50	<10	100
CC88472		<20	0.06	<10	<10	60	<10	63
CC88473		<20	0.06	<10	<10	60	<10	63
CC88474		<20	0.05	<10	<10	67	<10	71
CC88475		<20	0.07	<10	<10	69	<10	57
CC88476		<20	0.04	<10	<10	62	<10	71
CC88477		<20	0.07	<10	<10	53	<10	63
CC88478		<20	0.03	<10	<10	57	<10	112
CC88479		<20	0.02	<10	<10	17	<10	85
CC88480		<20	0.04	<10	<10	59	<10	197

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To: **ATAC RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Project: RAU (Grey Copper Hill)

Finalized Date: 12-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10085626

Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
Sample Description LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC88481	0.22	0.004	<0.2	2.17	10	<10	480	0.8	<2	1.49	0.9	11	32	17	3.37
CC88482	0.20	0.003	<0.2	1.82	9	<10	250	0.7	<2	4.40	0.5	9	26	16	2.92
CC88483	0.16	0.006	<0.2	2.01	12	<10	250	0.9	<2	4.18	<0.5	12	31	20	3.70
CC88484	0.16	0.003	<0.2	0.65	9	<10	70	<0.5	<2	15.4	0.5	5	8	3	1.39
CC88485	0.22	0.003	<0.2	2.23	6	<10	300	0.8	<2	1.07	<0.5	13	13	14	4.17
CC88486	0.32	0.003	<0.2	2.18	8	<10	210	1.3	<2	0.87	<0.5	16	38	15	4.23
CC88487	0.16	0.004	<0.2	2.66	4	<10	290	1.0	<2	1.04	<0.5	15	24	23	4.80
CC88488	0.22	0.002	<0.2	2.18	<2	<10	340	0.9	<2	1.45	<0.5	19	22	21	4.00
CC88489	0.14	<0.001	<0.2	2.95	4	<10	290	1.1	<2	1.24	<0.5	22	28	10	5.81
CC88490	0.12	<0.001	<0.2	1.85	7	<10	260	0.6	<2	2.10	<0.5	12	18	15	3.28
CC88491	0.14	NSS	<0.2	2.14	4	<10	230	0.5	<2	2.22	<0.5	17	25	13	3.66
CC88492	0.24	<0.001	<0.2	3.52	2	<10	170	1.0	<2	1.69	<0.5	24	48	18	5.91
CC88493	0.18	NSS	<0.2	3.62	5	<10	220	1.1	<2	2.08	<0.5	24	47	23	5.79
CC88494	0.18	0.002	<0.2	2.56	5	<10	170	0.8	<2	2.27	<0.5	20	36	21	4.56
CC88495	0.26	0.004	<0.2	4.10	2	<10	170	1.0	<2	0.97	<0.5	28	53	20	6.62
CC88496	0.32	0.002	<0.2	5.20	<2	<10	260	1.3	<2	0.92	<0.5	34	65	21	8.07
CC88497	0.28	0.003	<0.2	5.11	<2	<10	320	1.3	<2	0.88	<0.5	35	66	17	8.27
CC88498	0.18	0.002	<0.2	4.88	3	<10	270	1.2	<2	0.75	<0.5	34	62	17	7.76
CC88499	0.24	0.004	<0.2	3.09	10	<10	210	1.0	<2	0.94	<0.5	23	43	19	5.53
CC88500	0.22	0.006	1.0	2.17	14	<10	250	1.2	<2	1.57	2.6	11	38	43	3.53
CC88501	0.26	0.004	0.2	1.91	15	<10	240	0.6	<2	0.46	0.6	11	31	14	3.21
CC88507	0.24	0.003	<0.2	1.52	13	<10	170	0.6	<2	8.4	0.8	9	19	9	2.35
CC88508	0.20	0.002	<0.2	1.14	16	<10	120	0.5	<2	9.8	<0.5	7	17	11	2.05
CC88509	0.26	0.004	0.3	0.83	15	<10	80	<0.5	<2	12.1	<0.5	5	12	13	1.50
CC88510	0.24	0.006	<0.2	0.91	13	<10	120	<0.5	<2	11.5	<0.5	6	14	11	1.77
CC88511	0.16	0.004	0.4	2.04	27	<10	150	0.8	<2	3.35	<0.5	10	30	15	3.57
CC88512	0.28	0.004	0.2	1.17	29	<10	120	0.5	<2	10.2	<0.5	6	16	9	2.15
CC88513	0.20	0.004	0.4	0.87	60	<10	170	<0.5	<2	9.8	<0.5	7	14	10	2.12
CC88514	0.18	0.004	0.2	1.16	15	<10	650	0.5	<2	7.4	0.7	7	16	14	2.76
CC88515	0.16	0.005	0.5	1.33	15	<10	440	0.6	<2	2.38	0.8	9	23	36	2.76
CC88516	0.28	0.004	0.3	1.46	15	<10	260	0.8	<2	1.26	0.9	10	22	31	4.64
CC88517	0.12	0.011	<0.2	0.61	6	<10	280	<0.5	<2	3.44	0.8	3	9	12	1.58
CC88518	0.22	0.004	0.2	1.25	13	<10	200	1.0	<2	0.90	0.5	8	16	18	5.26
CC88519	0.16	0.005	0.2	1.50	12	<10	270	0.7	<2	1.32	<0.5	9	23	25	3.87
CC88520	0.22	0.004	0.2	1.29	15	<10	240	0.6	<2	0.15	<0.5	7	16	13	4.49
CC88521	0.22	0.005	0.4	1.91	12	<10	320	0.8	<2	0.66	<0.5	9	25	23	3.91
CC88522	0.16	0.006	0.3	1.61	12	<10	290	0.7	<2	0.71	<0.5	9	24	23	3.74
CC88523	0.24	0.004	0.2	1.22	19	<10	210	0.6	<2	0.13	<0.5	6	19	21	4.17
CC88524	0.18	0.006	0.4	1.61	14	<10	250	0.7	<2	0.99	<0.5	9	27	24	3.50
CC88525	0.22	0.004	0.3	4.40	7	<10	180	0.7	<2	2.05	<0.5	48	332	98	7.70

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Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU (Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10085626

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC88481		<10	<1	0.12	20	0.78	546	2	0.03	24	540	63	0.06	<2	4	21
CC88482		<10	<1	0.12	20	1.96	632	2	0.03	20	620	21	0.05	<2	3	35
CC88483		<10	<1	0.19	20	2.16	858	2	0.03	29	720	43	0.05	<2	4	33
CC88484		<10	<1	0.08	10	9.79	1060	1	0.03	6	470	7	0.04	<2	1	65
CC88485		10	<1	0.41	30	1.52	1110	<1	0.03	8	1980	7	0.03	2	3	71
CC88486		<10	<1	0.48	30	1.02	756	1	0.02	33	1520	16	0.03	<2	4	48
CC88487		10	<1	0.47	20	1.84	1395	<1	0.03	14	1720	9	0.02	<2	3	62
CC88488		10	<1	0.47	20	1.82	927	<1	0.03	18	1880	6	0.06	<2	3	81
CC88489		10	<1	0.29	10	2.25	1030	<1	0.03	17	1570	9	0.04	<2	5	61
CC88490		<10	<1	0.23	10	1.30	797	1	0.03	13	1560	12	0.08	<2	2	58
CC88491		<10	1	0.28	10	1.93	712	<1	0.03	20	1790	5	0.08	<2	3	81
CC88492		10	<1	0.33	20	3.56	1070	<1	0.03	31	1970	6	0.03	<2	8	97
CC88493		10	<1	0.25	20	3.50	1080	<1	0.03	31	1770	5	0.06	<2	8	90
CC88494		10	<1	0.20	10	2.26	860	<1	0.02	26	1390	6	0.10	<2	5	60
CC88495		10	<1	0.32	20	4.43	1155	<1	0.02	32	2030	4	0.02	<2	9	83
CC88496		10	<1	0.68	10	5.80	1120	<1	0.02	36	2160	3	0.01	<2	12	86
CC88497		10	<1	0.72	10	5.90	1220	<1	0.02	37	2200	<2	0.02	3	12	103
CC88498		10	<1	0.53	20	5.58	1250	1	0.02	36	1870	<2	0.03	<2	11	81
CC88499		10	<1	0.18	20	2.64	979	2	0.03	27	1740	8	0.03	<2	7	61
CC88500		<10	<1	0.21	30	1.60	495	11	0.02	37	1000	17	0.09	2	4	41
CC88501		<10	<1	0.08	10	0.53	1115	3	0.02	21	1100	50	0.04	<2	2	16
CC88507		<10	<1	0.07	10	5.35	848	2	0.03	12	660	22	0.05	<2	2	34
CC88508		<10	<1	0.06	10	6.32	675	2	0.03	13	580	21	0.03	5	2	40
CC88509		<10	1	0.05	10	7.79	446	2	0.01	18	350	19	0.02	<2	2	44
CC88510		<10	<1	0.06	10	7.30	833	2	0.01	15	690	18	0.03	2	2	38
CC88511		<10	<1	0.08	20	2.16	909	3	0.01	22	820	34	0.04	5	4	23
CC88512		<10	<1	0.07	10	6.49	915	3	0.01	16	680	31	0.03	2	2	41
CC88513		<10	<1	0.07	10	6.00	685	2	0.01	13	960	40	0.06	<2	1	42
CC88514		<10	1	0.11	10	4.63	930	5	0.02	17	980	24	0.07	2	2	36
CC88515		<10	<1	0.11	10	0.67	680	5	0.01	24	1130	24	0.13	3	2	29
CC88516		<10	<1	0.14	40	0.93	781	9	0.01	24	660	38	0.07	<2	4	21
CC88517		<10	1	0.05	10	0.51	436	3	0.01	9	790	14	0.18	2	1	29
CC88518		<10	1	0.21	50	0.48	596	5	0.01	15	790	24	0.19	3	4	24
CC88519		<10	<1	0.16	30	0.65	728	4	0.01	19	910	27	0.10	2	4	27
CC88520		<10	<1	0.36	50	0.34	257	10	0.01	11	1150	27	0.48	4	3	41
CC88521		10	<1	0.16	50	0.52	482	8	0.01	17	950	26	0.11	3	4	34
CC88522		<10	<1	0.16	40	0.54	627	10	0.01	17	760	31	0.08	<2	4	23
CC88523		10	<1	0.22	50	0.43	243	28	0.01	14	610	28	0.17	5	2	20
CC88524		10	<1	0.19	30	0.69	514	19	0.01	24	740	34	0.09	2	3	31
CC88525		10	1	0.37	30	4.18	1365	<1	<0.01	211	1640	34	0.06	<2	12	35

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VANCOUVER BC V6B 1L8

Project: RAU (Grey Copper Hill)

Finalized Date: 12-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10085626

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC88481		<20	0.04	<10	<10	59	<10	214
CC88482		<20	0.05	<10	<10	46	<10	90
CC88483		<20	0.08	<10	<10	51	<10	163
CC88484		<20	0.01	<10	<10	13	<10	45
CC88485		<20	0.33	<10	<10	41	<10	91
CC88486		<20	0.17	<10	<10	47	<10	105
CC88487		<20	0.35	<10	<10	50	<10	96
CC88488		<20	0.22	<10	<10	50	<10	107
CC88489		<20	0.19	<10	<10	70	<10	90
CC88490		<20	0.10	<10	<10	37	<10	86
CC88491		<20	0.15	<10	<10	51	<10	76
CC88492		<20	0.45	<10	<10	110	<10	96
CC88493		<20	0.34	<10	<10	120	<10	97
CC88494		<20	0.17	<10	<10	76	<10	80
CC88495		<20	0.37	<10	<10	134	<10	94
CC88496		<20	0.36	<10	<10	184	<10	95
CC88497		<20	0.36	<10	<10	192	<10	94
CC88498		<20	0.30	<10	<10	179	<10	91
CC88499		<20	0.39	<10	<10	128	<10	141
CC88500		<20	0.07	<10	<10	288	<10	421
CC88501		<20	0.03	<10	<10	65	<10	137
CC88507		<20	0.04	<10	<10	37	<10	65
CC88508		<20	0.03	<10	<10	33	<10	69
CC88509		<20	0.03	<10	<10	23	<10	58
CC88510		<20	0.03	<10	<10	24	<10	66
CC88511		<20	0.05	<10	<10	51	<10	94
CC88512		<20	0.03	<10	<10	30	<10	69
CC88513		<20	0.02	<10	<10	25	<10	71
CC88514		<20	0.04	<10	<10	53	<10	141
CC88515		<20	0.03	<10	<10	81	<10	160
CC88516		<20	0.06	<10	<10	75	<10	313
CC88517		<20	0.02	<10	<10	19	<10	102
CC88518		<20	0.04	<10	<10	32	<10	194
CC88519		<20	0.05	<10	<10	44	<10	147
CC88520		<20	0.05	<10	<10	34	<10	123
CC88521		<20	0.05	<10	<10	53	<10	144
CC88522		<20	0.05	<10	<10	46	<10	103
CC88523		<20	0.13	<10	<10	100	<10	118
CC88524		<20	0.06	<10	<10	198	<10	171
CC88525		<20	0.10	<10	<10	138	<10	222

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU (Grey Copper Hill)

Finalized Date: 12-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10085626

Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Sample Description Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC88526	0.20	0.005	0.2	1.73	11	<10	170	0.5	<2	2.09	0.5	23	67	68	4.41
CC88527	0.34	0.003	<0.2	0.38	11	<10	50	<0.5	<2	>25.0	<0.5	1	5	3	0.77
CC88528	0.24	0.084	2.1	0.55	468	<10	70	<0.5	98	23.7	3.7	3	8	290	1.98
CC88529	0.26	0.003	<0.2	1.17	11	<10	150	0.6	<2	0.41	<0.5	15	41	22	3.97
CC88530	0.30	<0.001	<0.2	1.50	5	<10	250	0.7	<2	0.60	<0.5	39	119	49	7.76
CC88531	0.34	0.002	<0.2	0.20	17	<10	30	<0.5	<2	>25.0	<0.5	5	5	4	2.45
CC88532	0.28	0.001	<0.2	2.14	3	<10	360	0.8	<2	0.70	<0.5	29	81	133	6.98
CC88533	0.28	0.002	0.4	3.14	7	<10	200	0.5	<2	4.38	0.7	38	203	61	6.30
CC88534	0.30	0.002	0.5	3.32	15	<10	330	0.5	<2	4.05	0.6	50	219	89	7.29
CC88535	0.26	0.004	0.2	0.82	8	<10	260	<0.5	<2	10.9	<0.5	6	18	12	1.97
CC88536	0.26	0.005	0.3	4.16	16	<10	310	<0.5	<2	1.08	<0.5	45	237	82	7.32
CC88537	0.38	0.008	0.5	1.99	148	<10	240	<0.5	<2	6.64	<0.5	33	79	55	5.58
CC88538	0.26	0.003	0.4	0.96	13	<10	200	0.5	<2	14.5	0.6	9	19	19	2.47
CC88539	0.24	0.004	0.9	0.95	14	<10	460	0.5	<2	13.5	1.0	10	23	26	2.97
CC88540	0.34	0.007	0.4	1.14	14	<10	160	0.7	<2	0.76	0.9	12	23	17	3.19
CC75804	0.16	0.007	0.2	1.65	13	<10	260	0.6	<2	1.10	<0.5	11	28	16	3.04
CC75805	0.28	0.005	<0.2	1.62	10	<10	250	0.7	<2	1.01	<0.5	11	24	17	3.74
CC75806	0.22	0.004	<0.2	1.75	10	<10	270	0.7	<2	1.47	<0.5	10	27	16	3.26
CC75807	0.22	0.005	<0.2	1.33	12	<10	180	0.5	<2	5.67	0.6	8	19	17	2.62
CC75808	0.16	0.004	0.2	1.88	9	<10	230	0.8	2	3.02	<0.5	9	25	21	2.88
CC75809	0.20	0.004	<0.2	1.96	9	<10	280	0.8	2	1.69	<0.5	11	28	20	2.82
CC75810	0.24	0.004	<0.2	1.76	9	<10	440	0.7	2	3.23	<0.5	10	25	17	2.81

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Finalized Date: 12-JUL-2010
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Project: RAU (Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10085626

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC88526		<10	1	0.11	20	0.90	1245	<1	0.01	72	1220	18	0.13	<2	3	27
CC88527		<10	<1	0.03	<10	0.25	398	<1	<0.01	6	650	11	<0.01	<2	1	118
CC88528		<10	1	0.06	<10	0.24	657	<1	0.01	11	570	484	<0.01	15	1	98
CC88529		<10	<1	0.23	20	0.44	288	1	<0.01	46	1550	16	0.07	3	1	16
CC88530		<10	1	0.33	50	1.12	874	2	<0.01	181	2420	9	0.02	<2	3	30
CC88531		<10	<1	0.08	<10	1.12	174	2	<0.01	18	140	20	<0.01	<2	2	244
CC88532		<10	<1	0.35	50	1.79	2660	5	<0.01	86	1890	23	0.06	<2	3	32
CC88533		10	1	0.17	20	3.75	2170	<1	<0.01	190	1390	45	0.05	<2	7	63
CC88534		10	<1	0.15	10	3.87	2060	1	<0.01	233	1270	49	0.08	3	10	64
CC88535		<10	<1	0.07	10	4.92	519	1	0.01	21	520	20	0.06	<2	1	56
CC88536		10	<1	0.83	10	4.08	932	<1	0.01	192	650	10	0.09	<2	13	21
CC88537		<10	1	0.18	10	3.54	1285	2	0.01	117	1070	35	0.12	2	7	74
CC88538		<10	1	0.15	10	1.76	1890	1	0.01	28	590	31	0.07	<2	2	124
CC88539		<10	1	0.22	10	1.32	3360	<1	0.01	37	630	78	0.07	3	3	143
CC88540		<10	<1	0.08	20	0.43	1080	1	<0.01	29	580	33	0.05	4	2	16
CC75804		<10	<1	0.09	20	0.56	573	1	0.01	24	730	23	0.06	<2	2	21
CC75805		<10	<1	0.11	20	0.66	891	1	0.01	22	600	27	0.05	3	4	18
CC75806		<10	1	0.10	20	0.91	504	1	0.01	23	560	28	0.04	2	4	20
CC75807		<10	1	0.12	10	2.88	613	1	0.02	21	750	31	0.04	2	3	40
CC75808		<10	<1	0.16	20	1.56	585	1	0.02	24	520	49	0.02	<2	4	25
CC75809		10	<1	0.09	20	0.75	734	<1	0.02	23	830	29	0.06	<2	3	23
CC75810		10	<1	0.09	20	1.73	658	<1	0.02	20	800	38	0.04	<2	3	28

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CERTIFICATE OF ANALYSIS VA10085626

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC88526		<20	0.01	<10	<10	47	<10	85
CC88527		<20	0.01	<10	10	8	<10	60
CC88528		<20	0.01	<10	<10	12	<10	703
CC88529		<20	0.04	<10	<10	39	<10	73
CC88530		<20	0.10	<10	<10	49	<10	97
CC88531		<20	<0.01	<10	10	3	<10	123
CC88532		<20	0.14	<10	<10	38	<10	137
CC88533		<20	0.10	<10	<10	63	<10	367
CC88534		<20	0.11	<10	<10	78	<10	379
CC88535		<20	0.01	<10	<10	23	<10	110
CC88536		<20	0.25	<10	<10	103	<10	178
CC88537		<20	0.15	<10	<10	41	<10	221
CC88538		<20	0.03	<10	<10	20	<10	156
CC88539		<20	0.03	<10	<10	17	<10	458
CC88540		<20	0.03	<10	<10	42	<10	239
CC75804		<20	0.03	<10	<10	47	<10	108
CC75805		<20	0.03	<10	<10	45	<10	102
CC75806		<20	0.04	<10	<10	47	<10	102
CC75807		<20	0.05	<10	<10	34	<10	100
CC75808		<20	0.05	<10	<10	45	<10	149
CC75809		<20	0.03	<10	<10	50	<10	145
CC75810		<20	0.03	<10	<10	47	<10	122

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Project: RAU (Grey Copper Hill)

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CERTIFICATE OF ANALYSIS VA10085626

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non-sufficient sample.

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Finalized Date: 9-JUL-2010
Account: RCM

CERTIFICATE VA10085627

Project: RAU (Grey Copper Hill)

P.O. No.: GCH

This report is for 124 Soil samples submitted to our lab in Vancouver, BC, Canada on 28-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-31	Pulverize split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
PUL-QC	Pulverizing QC Test
SCR-43	Screen to -500um, discard plus
SCR-01	Screen - Save plus fraction

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Chemex
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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU (Grey Copper Hill)

Finalized Date: 9-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10085627

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC77430		0.28	0.001	<0.2	1.24	10	<10	170	0.5	<2	6.35	<0.5	8	20	15	2.50
CC77431		0.16	0.013	0.3	2.08	10	<10	230	0.7	<2	2.66	0.5	10	36	16	3.31
CC77432		0.22	<0.001	<0.2	1.83	11	<10	270	0.7	<2	3.10	<0.5	9	29	17	3.34
CC77433		0.20	<0.001	<0.2	1.61	9	<10	200	0.6	<2	4.20	<0.5	8	25	17	3.03
CC77434		0.18	0.003	<0.2	1.62	10	<10	390	0.7	<2	4.71	0.7	8	26	22	2.84
CC77503		0.24	<0.001	0.3	1.26	12	<10	140	0.5	<2	0.38	<0.5	9	22	20	3.59
CC77504		0.24	0.003	<0.2	1.08	16	<10	150	0.6	2	0.26	<0.5	13	20	24	3.79
CC77586		0.16	0.003	<0.2	1.41	6	<10	210	0.6	<2	3.97	<0.5	9	23	23	2.48
CC77587		0.22	0.005	<0.2	1.52	10	<10	210	0.6	<2	3.67	<0.5	9	25	19	2.75
CC77588		0.20	0.002	<0.2	0.93	5	<10	140	<0.5	<2	12.0	<0.5	5	14	11	1.70
CC77589		0.18	0.002	0.2	1.80	8	<10	220	0.7	<2	3.51	0.5	10	28	19	2.85
CC77590		0.24	0.002	<0.2	1.81	10	<10	230	0.7	<2	1.91	<0.5	11	29	21	3.00
CC77591		0.10	0.002	<0.2	1.65	8	<10	260	0.6	<2	2.18	0.5	9	27	18	2.65
CC77622		0.20	0.001	<0.2	2.10	14	<10	230	0.7	<2	0.39	<0.5	12	39	21	3.35
CC77623		0.18	<0.001	<0.2	1.23	12	<10	110	<0.5	<2	0.16	<0.5	11	30	22	3.11
CC77624		0.22	0.002	<0.2	1.49	18	<10	130	<0.5	<2	0.09	<0.5	8	32	18	3.24
CC77625		0.26	0.001	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC77626		0.22	<0.001	<0.2	1.59	13	<10	150	<0.5	2	0.10	<0.5	8	27	14	3.02
CC77627		0.26	0.002	0.2	0.98	17	<10	90	<0.5	4	0.08	<0.5	8	20	25	2.95
CC77628		0.26	0.001	<0.2	1.16	16	<10	100	0.5	3	0.08	<0.5	9	23	26	3.44
CC77629		0.20	<0.001	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC77630		0.22	<0.001	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC77631		0.22	0.003	<0.2	1.00	14	<10	120	0.5	<2	0.11	<0.5	9	22	21	3.41
CC77632		0.18	<0.001	0.2	1.30	14	<10	200	0.9	2	0.64	<0.5	12	22	28	4.44
CC87041		0.34	0.001	0.2	1.55	17	<10	240	0.5	<2	0.53	<0.5	12	29	21	2.93
CC87042		0.26	<0.001	<0.2	1.20	20	<10	150	<0.5	<2	0.60	<0.5	12	24	23	2.86
CC87043		0.14	NSS	0.2	0.60	6	<10	180	<0.5	<2	3.60	<0.5	6	11	24	1.45
CC87044		0.24	0.002	0.4	1.44	17	<10	180	0.9	<2	0.87	0.6	16	24	22	4.56
CC87045		0.38	0.002	0.9	1.19	38	<10	170	0.6	<2	1.17	0.6	21	22	49	3.68
CC87046		0.24	0.001	0.6	0.99	46	<10	220	0.5	<2	3.60	<0.5	9	17	28	2.76
CC87047		0.38	0.001	0.2	1.45	22	<10	240	0.6	<2	0.32	<0.5	11	25	17	3.02
CC87048		0.26	0.004	0.5	0.98	24	<10	160	0.5	2	2.88	<0.5	10	18	26	2.62
CC87049		0.18	0.001	0.4	1.34	28	<10	260	0.6	<2	1.54	0.6	13	23	32	3.07
CC87050		0.10	0.003	0.4	0.45	10	<10	120	<0.5	<2	2.67	<0.5	7	8	19	1.38
CC87051		0.12	0.004	0.8	0.99	63	<10	160	0.8	<2	1.74	1.6	25	14	62	3.89
CC87052		0.12	0.004	0.4	0.79	16	<10	140	<0.5	<2	1.91	0.8	11	14	13	2.17
CC87053		0.18	<0.001	0.3	1.29	22	<10	200	0.7	<2	3.07	0.9	15	21	23	3.41
CC87054		0.18	NSS	0.4	1.03	24	<10	270	0.7	<2	2.80	0.8	14	18	51	3.32
CC87055		0.16	<0.001	0.4	1.20	34	<10	290	<0.5	<2	0.86	<0.5	9	22	27	2.48
CC87056		0.38	0.003	0.2	0.84	23	<10	170	<0.5	<2	9.7	<0.5	7	14	14	1.82

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 9-JUL-2010
Account: RCM

Project: RAU (Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10085627

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC77430		<10	<1	0.11	10	2.91	518	<1	0.05	19	850	28	0.05	<2	3	51
CC77431		10	<1	0.12	20	1.67	531	<1	0.06	27	550	26	0.05	<2	4	26
CC77432		<10	<1	0.15	20	1.79	661	<1	0.06	23	680	25	0.06	<2	3	33
CC77433		<10	<1	0.15	20	2.39	612	<1	0.06	22	880	23	0.06	<2	3	40
CC77434		<10	<1	0.14	10	1.84	639	<1	0.05	24	800	33	0.08	<2	3	41
CC77503		<10	<1	0.13	10	0.42	693	<1	0.04	20	620	15	0.04	<2	3	20
CC77504		<10	<1	0.13	10	0.28	873	<1	0.04	22	710	19	0.04	<2	2	19
CC77586		<10	<1	0.09	10	1.01	618	1	0.03	20	970	22	0.09	<2	2	35
CC77587		<10	<1	0.10	20	1.19	544	1	0.03	22	570	20	0.02	<2	3	38
CC77588		<10	<1	0.08	10	3.00	388	1	0.03	12	580	21	0.02	<2	2	76
CC77589		<10	<1	0.13	20	1.90	573	1	0.03	21	670	22	0.03	<2	3	30
CC77590		<10	<1	0.11	20	1.00	529	2	0.03	25	490	23	0.02	<2	4	25
CC77591		10	1	0.11	10	0.68	578	2	0.03	21	900	21	0.09	<2	2	27
CC77622		10	<1	0.09	20	0.73	587	3	0.02	32	890	28	0.01	<2	3	19
CC77623		<10	<1	0.09	10	0.42	1110	3	0.02	21	510	20	0.02	<2	2	12
CC77624		10	<1	0.09	10	0.34	487	2	0.02	19	680	22	0.01	<2	2	20
CC77625		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC77626		<10	<1	0.10	10	0.31	721	1	0.02	14	770	15	0.01	<2	1	14
CC77627		<10	<1	0.13	10	0.20	511	2	0.02	17	820	15	0.01	<2	1	21
CC77628		<10	<1	0.10	10	0.26	673	1	0.01	18	600	15	0.01	<2	2	18
CC77629		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC77630		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC77631		<10	<1	0.12	10	0.26	636	1	0.02	18	490	14	0.01	<2	2	15
CC77632		<10	<1	0.13	10	0.47	991	1	0.02	24	1100	20	0.02	<2	4	35
CC87041		10	<1	0.09	20	0.56	774	2	0.02	24	1020	23	0.02	<2	3	32
CC87042		<10	<1	0.13	10	0.41	611	3	0.02	21	790	28	0.04	<2	3	37
CC87043		<10	<1	0.05	10	0.60	1085	2	0.02	10	950	24	0.16	<2	1	64
CC87044		<10	<1	0.09	20	0.52	3240	1	0.02	25	800	46	0.05	2	5	24
CC87045		<10	<1	0.12	20	0.83	1340	3	0.02	43	1080	84	0.03	3	4	58
CC87046		<10	<1	0.12	10	1.89	543	7	0.02	25	1450	74	0.09	4	2	73
CC87047		<10	<1	0.08	20	0.44	698	3	0.02	22	790	41	0.02	<2	3	28
CC87048		<10	<1	0.06	10	1.69	642	4	0.02	23	1070	48	0.04	<2	2	43
CC87049		<10	<1	0.07	10	0.67	1080	4	0.02	29	1480	45	0.10	<2	2	43
CC87050		<10	<1	0.04	10	0.39	1010	1	0.02	14	1790	24	0.21	<2	1	81
CC87051		<10	1	0.11	10	0.56	995	4	0.02	65	2270	137	0.11	4	2	216
CC87052		<10	<1	0.05	10	0.46	841	2	0.02	21	920	56	0.09	<2	1	46
CC87053		<10	<1	0.10	10	1.72	1745	4	0.02	30	1160	48	0.05	<2	3	43
CC87054		<10	<1	0.08	20	1.42	1770	3	0.02	29	1080	52	0.05	<2	4	47
CC87055		10	<1	0.11	10	0.46	451	2	0.02	15	990	48	0.06	<2	2	46
CC87056		<10	1	0.05	10	5.94	524	3	0.02	11	960	34	0.03	<2	1	55

***** See Appendix Page for comments regarding this certificate *****

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 9-JUL-2010
Account: RCM

Project: RAU (Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10085627

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC77430		<20	0.05	<10	<10	38	<10	104
CC77431		<20	0.05	<10	<10	53	<10	132
CC77432		<20	0.06	<10	<10	50	<10	108
CC77433		<20	0.06	<10	<10	44	<10	103
CC77434		<20	0.04	<10	<10	45	<10	177
CC77503		<20	0.03	<10	<10	41	<10	72
CC77504		<20	0.02	<10	<10	37	<10	62
CC77586		<20	0.02	<10	<10	40	<10	96
CC77587		<20	0.04	<10	<10	46	<10	86
CC77588		<20	0.03	<10	<10	26	<10	81
CC77589		<20	0.03	<10	<10	49	<10	95
CC77590		<20	0.04	<10	<10	53	<10	93
CC77591		<20	0.02	<10	<10	43	<10	79
CC77622		<20	0.05	<10	<10	70	<10	98
CC77623		<20	0.06	<10	<10	56	<10	89
CC77624		<20	0.04	<10	<10	62	<10	61
CC77625		NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC77626		<20	0.03	<10	<10	61	<10	68
CC77627		<20	0.01	<10	<10	44	<10	48
CC77628		<20	0.02	<10	<10	42	<10	52
CC77629		NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC77630		NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC77631		<20	0.03	<10	<10	41	<10	56
CC77632		<20	0.01	<10	<10	44	<10	78
CC87041		<20	0.03	<10	<10	51	<10	111
CC87042		<20	0.02	<10	<10	45	<10	130
CC87043		<20	<0.01	<10	<10	16	<10	100
CC87044		<20	0.02	<10	<10	40	<10	274
CC87045		<20	0.03	<10	<10	41	<10	435
CC87046		<20	0.01	<10	<10	33	<10	176
CC87047		<20	0.02	<10	<10	48	<10	108
CC87048		<20	0.02	<10	<10	34	<10	153
CC87049		<20	0.01	<10	<10	41	<10	176
CC87050		<20	<0.01	<10	<10	11	<10	57
CC87051		<20	0.01	<10	<10	31	<10	742
CC87052		<20	0.02	<10	<10	29	<10	387
CC87053		<20	0.02	<10	<10	46	<10	249
CC87054		<20	0.01	<10	<10	40	<10	295
CC87055		<20	0.02	<10	<10	46	<10	105
CC87056		<20	0.03	<10	<10	27	<10	85

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CERTIFICATE OF ANALYSIS VA10085627

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC87057		0.30	0.003	0.6	1.41	42	<10	490	0.6	<2	0.51	<0.5	17	23	43	2.88
CC87058		0.38	0.001	0.3	1.10	26	<10	150	0.5	<2	7.3	<0.5	8	21	17	2.48
CC87059		0.34	0.003	<0.2	1.38	26	<10	210	0.5	<2	2.96	0.5	11	27	21	2.91
CC87060		0.24	0.001	0.8	0.64	27	<10	310	0.6	<2	1.84	0.5	14	12	36	3.20
CC87061		0.10	<0.001	0.4	1.15	26	<10	340	0.6	<2	2.55	0.5	13	22	22	3.11
CC87062		0.14	<0.001	<0.2	1.89	24	<10	450	0.6	<2	1.06	<0.5	13	47	19	3.65
CC87063		0.14	0.001	<0.2	1.91	11	<10	310	0.7	<2	1.98	0.5	12	31	17	3.53
CC87064		0.42	0.001	0.3	1.79	14	<10	220	0.6	<2	3.71	<0.5	11	33	25	3.50
CC87065		0.14	<0.001	<0.2	1.74	12	<10	250	0.6	<2	1.67	0.6	11	30	19	3.27
CC87066		0.32	<0.001	<0.2	1.84	14	<10	210	0.6	<2	0.67	0.6	12	33	17	3.64
CC87067		0.32	0.001	0.2	1.76	18	<10	190	0.6	<2	2.13	<0.5	9	28	16	2.92
CC87068		0.32	0.001	<0.2	2.04	20	<10	220	0.7	2	0.67	<0.5	11	36	18	3.32
CC87069		0.22	0.002	0.3	1.75	14	<10	230	0.6	<2	2.63	0.8	8	26	11	2.86
CC87070		0.28	<0.001	0.3	1.51	15	<10	170	0.5	<2	7.7	0.8	8	22	14	2.57
CC87071		0.18	0.001	0.2	2.14	17	<10	170	0.6	<2	6.07	<0.5	13	50	21	3.63
CC87072		0.20	0.004	<0.2	2.28	22	<10	260	0.7	<2	2.76	1.2	12	40	20	3.69
CC87073		0.24	<0.001	0.2	3.98	5	<10	320	1.0	<2	1.31	0.7	31	206	47	6.67
CC87074		0.14	0.021	0.3	2.91	6	<10	270	0.8	<2	1.84	0.9	22	148	41	5.25
CC87075		0.20	0.003	0.5	1.82	15	<10	160	0.6	<2	2.14	2.8	13	80	38	3.26
CC87076		0.16	0.004	1.8	0.84	3	<10	80	<0.5	<2	1.03	1.4	<1	11	9	1.62
CC87077		0.28	0.001	0.2	4.67	4	<10	230	1.1	<2	1.14	<0.5	39	280	49	7.72
CC87078		0.16	0.010	<0.2	3.92	2	<10	310	0.9	<2	1.45	<0.5	32	250	47	6.43
CC87079		0.42	<0.001	<0.2	3.52	4	<10	190	0.8	<2	1.69	<0.5	27	239	37	5.66
CC87080		0.16	0.002	0.3	1.96	13	<10	170	0.6	<2	1.66	2.1	15	85	43	3.36
CC87081		0.18	0.001	0.2	1.84	12	<10	160	0.6	<2	2.88	1.1	13	59	31	3.27
CC87082		0.46	<0.001	<0.2	3.43	6	<10	200	0.8	<2	1.43	<0.5	27	149	36	6.12
CC87083		0.26	0.001	<0.2	2.74	4	<10	160	0.7	<2	2.27	<0.5	21	101	29	4.80
CC87084		0.32	<0.001	<0.2	4.04	3	<10	170	0.9	<2	1.27	<0.5	30	174	32	6.85
CC87085		0.12	0.027	<0.2	0.88	4	<10	90	<0.5	<2	3.03	<0.5	7	19	18	1.72
CC87086		0.34	0.002	<0.2	2.99	5	<10	110	0.9	<2	2.87	<0.5	19	30	20	5.60
CC87087		0.32	0.003	<0.2	2.05	9	<10	150	0.6	<2	2.09	<0.5	13	44	30	3.77
CC87088		0.24	0.005	<0.2	2.06	7	<10	150	0.7	<2	1.63	<0.5	13	42	27	3.84
CC87089		0.10	0.005	0.2	2.00	8	<10	200	0.7	<2	0.61	0.8	12	22	29	3.63
CC87090		0.16	0.002	0.2	1.91	5	<10	290	0.9	<2	0.82	0.6	9	20	27	2.98
CC87091		0.14	<0.001	0.2	2.02	8	<10	240	0.5	<2	0.68	<0.5	11	34	18	3.88
CC87092		0.28	0.001	<0.2	1.94	11	<10	350	0.6	<2	1.50	<0.5	10	28	22	2.84
CC87093		0.14	0.004	0.2	1.61	9	<10	410	0.6	<2	2.00	<0.5	9	29	31	2.46
CC87094		0.24	0.002	<0.2	2.16	12	<10	290	0.9	<2	0.76	<0.5	10	31	22	3.42
CC87095		0.14	<0.001	<0.2	1.83	9	<10	270	0.6	<2	1.99	1.0	9	27	18	2.35
CC87096		0.26	0.004	<0.2	1.96	10	<10	240	0.7	<2	2.50	0.5	9	28	25	2.86

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU (Grey Copper Hill)

Finalized Date: 9-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10085627

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC87057		<10	<1	0.12	20	0.52	523	2	0.01	30	1050	182	0.02	3	3	65
CC87058		<10	<1	0.05	10	4.66	705	4	0.02	17	780	37	0.01	<2	3	45
CC87059		<10	<1	0.08	10	1.96	879	4	0.02	21	920	46	0.03	<2	3	33
CC87060		<10	<1	0.06	10	0.81	1305	2	<0.01	28	960	145	0.07	<2	2	19
CC87061		<10	<1	0.13	10	1.29	1065	3	<0.01	23	1110	74	0.08	<2	2	34
CC87062		10	<1	0.06	10	1.24	630	3	<0.01	25	920	39	0.09	<2	3	19
CC87063		10	<1	0.07	10	1.33	831	1	<0.01	21	910	19	0.09	<2	3	39
CC87064		<10	<1	0.07	10	2.97	717	2	<0.01	26	1040	16	0.02	<2	4	38
CC87065		<10	<1	0.08	10	1.01	871	2	<0.01	24	980	20	0.08	<2	3	28
CC87066		10	<1	0.06	10	0.97	921	5	<0.01	25	700	22	0.02	<2	3	21
CC87067		<10	<1	0.12	20	1.62	688	3	0.01	23	410	48	0.02	<2	4	28
CC87068		10	<1	0.10	20	0.98	790	2	<0.01	28	290	32	0.02	<2	5	20
CC87069		<10	<1	0.09	10	1.56	892	3	<0.01	16	860	21	0.06	<2	3	28
CC87070		<10	<1	0.07	10	4.94	814	3	<0.01	16	1030	20	0.05	<2	2	52
CC87071		10	<1	0.08	10	4.89	742	6	<0.01	33	850	15	0.03	<2	4	43
CC87072		10	<1	0.14	10	2.45	780	4	<0.01	28	760	20	0.04	<2	4	33
CC87073		10	<1	0.21	10	5.25	1105	<1	<0.01	93	1530	2	0.07	<2	9	67
CC87074		10	<1	0.16	10	3.37	893	3	<0.01	74	1280	7	0.09	<2	7	66
CC87075		10	<1	0.16	10	1.62	551	9	<0.01	55	1070	14	0.08	2	4	53
CC87076		<10	<1	0.02	10	0.76	268	5	<0.01	10	520	13	0.02	<2	2	26
CC87077		10	<1	0.36	10	6.14	1305	<1	<0.01	116	1950	2	0.01	<2	11	72
CC87078		10	<1	0.22	10	5.14	1035	<1	<0.01	107	1560	<2	0.06	<2	9	94
CC87079		10	<1	0.10	10	4.25	985	1	<0.01	100	1110	4	0.03	<2	7	43
CC87080		10	<1	0.10	10	1.83	617	4	<0.01	65	900	6	0.06	<2	4	49
CC87081		10	<1	0.10	10	2.07	577	3	<0.01	43	1080	7	0.08	<2	3	46
CC87082		10	<1	0.10	10	4.23	982	<1	<0.01	72	1700	4	0.01	<2	8	57
CC87083		10	<1	0.11	10	3.16	836	<1	<0.01	50	1450	6	0.06	<2	5	47
CC87084		10	<1	0.11	10	4.81	1065	<1	<0.01	71	1880	2	0.03	<2	7	62
CC87085		<10	<1	0.06	10	0.67	431	<1	<0.01	12	950	2	0.17	<2	1	56
CC87086		10	<1	0.09	10	3.17	840	<1	<0.01	21	1540	6	0.03	<2	4	43
CC87087		10	<1	0.12	10	1.57	690	<1	<0.01	23	1260	10	0.05	<2	3	42
CC87088		10	<1	0.09	20	1.15	826	<1	<0.01	22	1080	9	0.06	<2	3	40
CC87089		10	<1	0.11	10	0.75	558	<1	<0.01	16	860	10	0.06	<2	2	27
CC87090		10	<1	0.08	20	0.66	742	<1	<0.01	14	1110	9	0.09	<2	2	27
CC87091		10	<1	0.14	10	0.88	467	<1	<0.01	19	650	9	0.03	<2	3	32
CC87092		10	<1	0.10	10	0.64	535	<1	<0.01	18	1080	10	0.08	<2	3	30
CC87093		<10	<1	0.09	10	0.58	739	<1	<0.01	19	1140	10	0.11	<2	2	35
CC87094		10	<1	0.11	20	0.73	648	<1	<0.01	24	860	14	0.03	<2	4	26
CC87095		10	<1	0.06	10	0.59	856	<1	<0.01	14	880	10	0.09	<2	2	31
CC87096		<10	1	0.11	10	0.53	894	<1	0.03	24	1000	17	0.10	<2	3	33

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 9-JUL-2010
Account: RCM

Project: RAU (Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10085627

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC87057		<20	0.02	<10	<10	43	<10	130
CC87058		<20	0.06	<10	<10	39	<10	111
CC87059		<20	0.05	<10	<10	49	<10	133
CC87060		<20	0.01	<10	<10	27	<10	201
CC87061		<20	0.02	<10	<10	45	<10	210
CC87062		<20	0.05	<10	<10	89	<10	122
CC87063		<20	0.14	<10	<10	70	<10	103
CC87064		<20	0.13	<10	<10	63	<10	120
CC87065		<20	0.08	<10	<10	59	<10	122
CC87066		<20	0.17	<10	<10	78	<10	189
CC87067		<20	0.06	<10	<10	54	<10	111
CC87068		<20	0.07	<10	<10	65	<10	134
CC87069		<20	0.08	<10	<10	61	<10	167
CC87070		<20	0.07	<10	<10	49	<10	120
CC87071		<20	0.25	<10	<10	87	<10	121
CC87072		<20	0.16	<10	<10	85	<10	164
CC87073		<20	0.28	<10	<10	180	<10	124
CC87074		<20	0.21	<10	<10	148	<10	166
CC87075		<20	0.15	<10	<10	135	<10	240
CC87076		<20	0.02	<10	<10	19	<10	32
CC87077		<20	0.49	<10	<10	203	<10	106
CC87078		<20	0.31	<10	<10	170	<10	105
CC87079		<20	0.28	<10	<10	165	<10	129
CC87080		<20	0.12	<10	<10	133	<10	236
CC87081		<20	0.10	<10	<10	103	<10	145
CC87082		<20	0.39	<10	<10	143	<10	89
CC87083		<20	0.30	<10	<10	105	<10	95
CC87084		<20	0.46	<10	<10	166	<10	84
CC87085		<20	0.04	<10	<10	30	<10	33
CC87086		<20	0.37	<10	<10	99	<10	85
CC87087		<20	0.14	<10	<10	58	<10	76
CC87088		<20	0.15	<10	<10	63	<10	73
CC87089		<20	0.19	<10	<10	75	<10	75
CC87090		<20	0.10	<10	<10	69	<10	60
CC87091		<20	0.31	<10	<10	87	<10	59
CC87092		<20	0.04	<10	<10	52	<10	65
CC87093		<20	0.04	<10	<10	41	<10	73
CC87094		<20	0.06	<10	<10	56	<10	82
CC87095		<20	0.03	<10	<10	46	<10	64
CC87096		<20	0.03	<10	<10	48	<10	94

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU (Grey Copper Hill)

Finalized Date: 9-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10085627

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC87097		0.16	0.007	0.2	2.02	11	<10	180	0.7	<2	1.55	0.8	10	31	17	3.08
CC87098		0.26	0.002	<0.2	2.35	12	<10	180	0.8	<2	1.05	<0.5	10	35	15	3.33
CC87099		0.12	0.001	<0.2	1.61	9	<10	160	0.6	<2	2.72	<0.5	8	24	18	2.60
CC87100		0.20	0.002	<0.2	2.02	12	<10	190	0.8	<2	1.59	<0.5	9	31	16	3.18
CC87141		0.20	<0.001	<0.2	3.07	5	<10	90	0.9	<2	1.14	<0.5	28	60	13	6.36
CC87142		0.16	0.002	<0.2	2.39	11	<10	250	0.9	2	0.95	<0.5	11	30	27	3.97
CC87143		0.22	<0.001	<0.2	2.66	8	<10	270	1.0	<2	0.70	<0.5	13	29	15	4.57
CC87144		0.14	<0.001	0.2	2.40	9	<10	410	0.9	<2	0.97	<0.5	12	35	25	3.77
CC87145		0.14	0.004	0.2	2.12	10	<10	230	0.6	<2	0.72	0.7	14	30	14	3.82
CC87146		0.12	0.002	0.2	2.05	11	<10	240	0.8	<2	1.20	<0.5	13	31	19	3.78
CC87147		0.16	0.006	<0.2	2.25	12	<10	330	1.0	<2	0.94	<0.5	11	32	23	3.71
CC87148		0.20	0.002	<0.2	1.99	10	<10	300	0.7	<2	1.02	<0.5	10	29	17	3.64
CC87149		0.12	0.001	<0.2	2.36	9	<10	300	0.9	<2	0.79	0.6	13	31	18	4.37
CC87150		0.14	0.001	<0.2	2.15	11	<10	340	0.9	<2	1.14	<0.5	10	30	19	3.76
CC87151		0.12	0.004	0.3	1.92	9	<10	460	0.9	<2	0.92	0.9	11	28	22	3.23
CC87152		0.20	0.001	<0.2	2.23	12	<10	240	0.9	<2	0.48	<0.5	11	37	17	3.48
CC87153		0.24	<0.001	0.2	2.56	9	<10	220	0.8	<2	0.87	<0.5	16	38	19	4.79
CC87154		0.18	0.002	0.2	2.22	8	<10	260	0.8	<2	0.93	<0.5	13	32	18	4.04
CC87155		0.24	0.002	0.2	2.63	8	<10	180	0.8	<2	1.02	<0.5	14	33	16	4.74
CC87156		0.26	0.003	0.2	2.51	10	<10	270	0.9	<2	1.20	<0.5	13	34	23	4.54
CC87157		0.18	0.001	<0.2	2.62	7	<10	180	0.9	<2	1.04	<0.5	16	33	29	4.55
CC87158		0.18	0.001	<0.2	2.51	10	<10	200	0.9	2	0.93	0.5	14	29	21	4.39
CC87159		0.20	0.001	0.2	2.35	10	<10	270	0.8	<2	0.92	<0.5	13	27	22	3.78
CC87160		0.08	0.006	0.2	1.77	10	<10	170	0.7	<2	2.40	<0.5	9	23	29	3.22
CC87161		0.16	<0.001	<0.2	1.95	9	<10	180	0.7	<2	1.27	<0.5	11	25	22	3.29
CC87162		0.24	0.001	<0.2	2.00	8	<10	380	1.3	<2	0.81	<0.5	14	11	14	5.53
CC87163		0.20	0.001	<0.2	1.56	12	<10	120	0.6	<2	2.77	<0.5	10	24	20	3.43
CC87164		0.30	0.002	<0.2	1.42	10	<10	160	<0.5	<2	3.24	<0.5	10	37	21	3.11
CC87165		0.26	0.005	<0.2	2.22	10	<10	250	0.7	<2	1.48	<0.5	13	36	21	4.12
CC87166		0.32	0.001	<0.2	2.28	11	<10	170	0.8	<2	0.84	0.5	14	32	19	5.00
CC87167		0.26	0.002	1.1	1.12	17	<10	120	0.6	<2	3.66	6.0	8	22	44	2.19
CC87168		0.22	0.002	0.8	1.27	13	<10	130	0.5	<2	2.16	1.6	8	23	37	2.37
CC87169		0.22	0.002	0.8	1.41	14	<10	270	0.5	<2	1.94	2.8	9	33	40	2.03
CC87170		0.20	0.004	2.0	1.67	23	<10	170	1.0	<2	3.55	7.7	9	34	87	2.34
CC87171		0.08	0.003	1.0	2.03	15	<10	380	0.8	<2	1.61	2.6	13	37	44	3.65
CC87172		0.14	<0.001	0.6	1.92	30	<10	610	0.9	<2	1.95	2.5	12	40	66	3.25
CC87173		0.12	0.005	0.4	1.55	12	<10	990	0.7	<2	2.46	1.7	11	31	47	2.69
CC87174		0.24	0.001	<0.2	1.58	15	<10	260	0.6	<2	3.35	1.0	11	27	23	3.18
CC87175		0.22	0.002	<0.2	2.34	8	<10	200	0.8	<2	2.35	1.1	16	49	42	4.27
CC87176		0.18	<0.001	<0.2	1.13	19	<10	140	<0.5	<2	9.4	0.5	8	19	14	1.92

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CERTIFICATE OF ANALYSIS VA10085627

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC87097		<10	<1	0.09	10	0.53	1075	<1	0.03	22	760	17	0.07	<2	3	23
CC87098		10	<1	0.10	20	0.62	577	<1	0.03	26	440	18	0.04	<2	5	23
CC87099		<10	<1	0.09	10	0.69	956	<1	0.03	20	720	16	0.09	<2	3	27
CC87100		<10	<1	0.11	20	0.70	482	<1	0.02	26	440	17	0.05	<2	4	24
CC87141		10	<1	0.09	20	2.64	922	<1	0.03	19	1130	6	0.07	<2	9	55
CC87142		10	<1	0.09	20	0.93	739	<1	0.03	18	780	16	0.04	<2	4	32
CC87143		10	<1	0.09	20	1.07	906	<1	0.03	15	740	15	0.03	<2	4	27
CC87144		10	<1	0.07	20	0.93	838	<1	0.02	21	1180	17	0.06	2	4	31
CC87145		10	<1	0.10	20	0.96	721	<1	0.03	17	790	14	0.04	<2	4	28
CC87146		10	<1	0.11	20	0.96	908	<1	0.03	20	1070	16	0.06	<2	4	32
CC87147		10	<1	0.12	30	0.86	639	<1	0.03	21	1040	17	0.05	<2	4	33
CC87148		10	<1	0.10	20	0.87	572	<1	0.03	18	1120	16	0.06	<2	3	29
CC87149		10	<1	0.16	20	1.04	970	<1	0.04	20	880	17	0.04	<2	5	27
CC87150		10	<1	0.10	20	0.86	700	<1	0.03	18	1020	17	0.06	<2	3	29
CC87151		10	<1	0.12	30	0.70	1110	<1	0.03	18	1280	15	0.09	<2	3	30
CC87152		10	<1	0.08	30	0.81	473	<1	0.02	21	800	16	0.04	<2	5	22
CC87153		10	<1	0.12	20	1.48	866	<1	0.03	22	1400	13	0.04	<2	5	34
CC87154		10	<1	0.09	20	1.17	709	<1	0.02	19	1300	13	0.06	<2	4	32
CC87155		10	<1	0.10	20	1.63	778	<1	0.03	20	1310	13	0.05	<2	5	33
CC87156		10	<1	0.10	20	1.45	831	<1	0.03	22	1380	15	0.05	2	5	39
CC87157		10	<1	0.07	20	1.51	772	<1	0.02	22	1250	13	0.04	<2	4	37
CC87158		10	<1	0.08	20	1.22	919	<1	0.02	20	670	18	0.04	<2	5	31
CC87159		10	<1	0.09	10	1.14	781	<1	0.02	19	1170	14	0.06	<2	3	34
CC87160		<10	<1	0.06	20	0.85	811	<1	0.03	18	1550	21	0.12	<2	2	56
CC87161		10	<1	0.09	10	0.86	792	<1	0.02	18	890	15	0.07	<2	3	35
CC87162		10	<1	0.22	20	0.88	1235	2	0.03	6	1340	17	0.05	<2	3	38
CC87163		<10	<1	0.07	20	2.11	530	<1	0.03	21	1040	14	0.02	<2	4	34
CC87164		<10	<1	0.08	10	2.27	477	<1	0.03	27	1070	14	0.02	<2	4	41
CC87165		10	<1	0.09	20	1.29	827	<1	0.03	21	1420	17	0.08	<2	4	54
CC87166		10	<1	0.09	20	1.40	1275	<1	0.02	23	1430	21	0.05	<2	4	31
CC87167		<10	<1	0.11	10	0.62	630	21	0.02	54	800	18	0.08	3	2	77
CC87168		<10	<1	0.10	10	0.71	457	23	0.02	42	870	17	0.10	5	2	53
CC87169		<10	<1	0.17	10	0.79	467	19	0.02	54	970	15	0.13	5	3	54
CC87170		10	<1	0.33	20	1.17	468	24	0.02	100	1040	23	0.06	7	3	91
CC87171		10	<1	0.15	20	1.29	610	11	0.02	47	1700	15	0.08	4	4	50
CC87172		10	1	0.15	20	1.31	620	17	0.01	68	1610	34	0.07	2	4	44
CC87173		<10	1	0.12	20	1.35	602	7	0.01	40	1490	30	0.08	3	3	40
CC87174		<10	1	0.07	10	2.40	837	9	0.01	29	1330	30	0.02	2	3	37
CC87175		<10	2	0.08	20	2.21	789	9	0.01	42	1640	25	0.03	2	5	44
CC87176		<10	1	0.05	10	6.27	634	20	0.01	19	670	28	0.03	3	2	48

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU (Grey Copper Hill)

Finalized Date: 9-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10085627

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC87097		<20	0.04	<10	<10	53	<10	87
CC87098		<20	0.05	<10	<10	64	<10	90
CC87099		<20	0.03	<10	<10	40	<10	78
CC87100		<20	0.04	<10	<10	56	<10	88
CC87141		<20	0.53	<10	<10	247	<10	82
CC87142		<20	0.14	<10	<10	78	<10	75
CC87143		<20	0.19	<10	<10	77	<10	87
CC87144		<20	0.06	<10	<10	69	<10	83
CC87145		<20	0.18	<10	<10	69	<10	69
CC87146		<20	0.10	<10	<10	60	<10	76
CC87147		<20	0.09	<10	<10	64	<10	70
CC87148		<20	0.09	<10	<10	56	<10	74
CC87149		<20	0.17	<10	<10	68	<10	101
CC87150		<20	0.08	<10	<10	59	<10	84
CC87151		<20	0.07	<10	<10	58	<10	71
CC87152		<20	0.07	<10	<10	68	<10	91
CC87153		<20	0.21	<10	<10	88	<10	96
CC87154		<20	0.11	<10	<10	72	<10	86
CC87155		<20	0.20	<10	<10	89	<10	91
CC87156		<20	0.14	<10	<10	76	<10	89
CC87157		<20	0.24	<10	<10	82	<10	103
CC87158		<20	0.23	<10	<10	80	<10	110
CC87159		<20	0.14	<10	<10	66	<10	80
CC87160		<20	0.06	<10	<10	50	<10	62
CC87161		<20	0.12	<10	<10	60	<10	69
CC87162		<20	0.26	<10	<10	44	<10	150
CC87163		<20	0.14	<10	<10	50	<10	79
CC87164		<20	0.16	<10	<10	49	<10	76
CC87165		<20	0.11	<10	<10	79	<10	95
CC87166		<20	0.16	<10	<10	75	<10	137
CC87167		<20	0.05	<10	<10	145	<10	555
CC87168		<20	0.07	<10	<10	123	<10	362
CC87169		<20	0.03	<10	<10	290	<10	380
CC87170		<20	0.05	<10	<10	357	<10	911
CC87171		<20	0.09	<10	<10	168	<10	368
CC87172		<20	0.06	<10	<10	218	<10	474
CC87173		<20	0.04	<10	<10	101	<10	373
CC87174		<20	0.10	<10	<10	79	<10	179
CC87175		<20	0.15	<10	<10	112	<10	184
CC87176		<20	0.03	<10	<10	42	<10	125

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VANCOUVER BC V6B 1L8

Project: RAU (Grey Copper Hill)

Finalized Date: 9-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10085627

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC87177		0.16	0.002	<0.2	0.87	5	<10	140	<0.5	<2	11.0	0.7	5	11	12	1.34
CC87178		0.16	0.001	<0.2	1.84	16	<10	160	0.7	3	6.41	0.6	9	26	13	2.88
CC87179		0.14	0.002	<0.2	1.08	13	<10	140	<0.5	<2	8.7	0.7	7	17	14	2.05
CC87180		0.16	0.001	<0.2	1.57	24	<10	150	0.7	<2	0.23	<0.5	15	26	38	4.00

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CERTIFICATE OF ANALYSIS VA10085627

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC87177		<10	<1	0.04	<10	7.00	1010	2	0.01	9	1100	15	0.08	<2	1	41
CC87178		<10	2	0.06	10	4.36	1060	4	0.01	17	450	28	0.03	<2	3	23
CC87179		<10	1	0.05	10	5.78	959	3	0.01	14	630	34	0.04	4	2	46
CC87180		<10	1	0.10	10	0.42	1475	3	<0.01	33	890	21	0.04	<2	2	19

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Finalized Date: 9-JUL-2010
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CERTIFICATE OF ANALYSIS VA10085627

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC87177		<20	0.02	<10	<10	23	<10	125
CC87178		<20	0.04	<10	<10	52	<10	116
CC87179		<20	0.03	<10	<10	34	<10	117
CC87180		<20	0.03	<10	<10	48	<10	79

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Project: RAU (Grey Copper Hill)

Finalized Date: 9-JUL-2010
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CERTIFICATE OF ANALYSIS VA10085627

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non-sufficient sample.

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 8-JUL-2010
Account: RCM

CERTIFICATE VA10086247

Project: RAU Trend (EL)

P.O. No.: EL

This report is for 8 Rock samples submitted to our lab in Vancouver, BC, Canada on 29-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
CRU-QC	Crushing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Ag-GRA21	Ag 30g FA-GRAV finish	WST-SIM
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
Pb-VOL70	Pb by Titration	
Zn-VOL50	Zn by titration	
As-OG62	Ore Grade As - Four Acid	VARIABLE
Sn-XRF05	Sn-Trace Level XRF Analysis	XRF
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ATAC RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Project: RAU Trend (EL)

Finalized Date: 8-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10086247

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA26 Au ppm 0.01	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
G285163		2.30	0.01	0.47	2.66	1555	460	0.64	0.16	0.42	63.7	30.9	3.2	43	2.66	457
G285164		0.58	0.24	>100	0.33	>10000	330	0.30	1.48	0.09	153.0	10.05	1.6	13	0.46	715
G285165		2.16	0.08	>100	0.13	1165	70	0.22	1.29	0.06	109.0	2.03	0.7	5	0.16	239
G285166		0.30	0.21	86.3	0.59	8300	520	0.42	0.78	0.13	307	7.01	4.4	16	0.84	192.0
G285167		0.94	0.02	21.0	0.42	3810	4630	0.55	0.70	0.42	>1000	9.52	16.7	16	0.38	120.5
G285168		1.38	0.01	11.65	0.26	1625	5730	0.35	0.68	0.49	>1000	8.22	11.6	9	0.24	64.8
G285169		1.56	0.05	>100	1.11	744	2320	1.48	6.76	1.77	>1000	35.8	22.9	46	1.39	103.5
G285170		2.48	0.06	>100	0.07	171.5	90	0.13	0.83	0.06	60.9	1.88	0.3	7	0.11	32.5

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Project: RAU Trend (EL)

Finalized Date: 8-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10086247

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
G285163		27.7	12.35	0.64	0.8	26.9	0.83	15.7	7.9	0.44	159	3.45	0.23	2.7	14.1	570
G285164		7.89	46.1	0.25	0.2	62.0	0.11	9.6	1.7	0.04	102	65.8	0.01	0.4	9.1	2960
G285165		2.08	7.83	0.12	0.1	17.00	0.04	1.0	1.7	0.02	39	40.3	<0.01	0.1	6.7	550
G285166		25.7	40.7	0.28	0.2	68.1	0.21	5.4	4.4	0.09	282	44.4	0.02	0.7	20.3	2820
G285167		17.60	7.54	0.16	0.2	4.12	0.12	6.7	1.8	0.18	1580	29.7	0.02	0.6	71.6	2960
G285168		7.67	3.54	<0.05	0.1	1.935	0.08	6.9	1.3	0.15	1060	26.5	0.02	0.4	93.2	2270
G285169		2.60	13.15	0.05	0.6	3.16	0.47	26.6	4.7	0.23	1100	320	0.02	1.6	177.5	8590
G285170		0.17	2.40	0.28	<0.1	3.28	0.03	1.7	0.5	0.03	10	12.95	<0.01	0.1	3.8	260

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Finalized Date: 8-JUL-2010
Account: RCM

Project: RAU Trend (EL)

CERTIFICATE OF ANALYSIS VA10086247

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
G285163		560	40.0	0.003	0.08	35.5	6.1	3	0.8	32.4	0.18	<0.05	4.4	0.121	0.68	41.1
G285164		>10000	9.7	0.005	2.42	1210	0.5	27	>500	28.6	<0.05	0.30	0.5	0.009	2.98	43.7
G285165		>10000	2.6	0.005	3.09	1575	<0.1	10	>500	41.3	<0.05	0.08	<0.2	<0.005	2.27	33.2
G285166		>10000	12.9	0.004	0.51	463	1.0	7	192.0	60.0	<0.05	0.22	0.8	0.014	17.15	44.3
G285167		7540	7.4	0.004	0.17	136.0	1.0	22	9.0	32.6	<0.05	0.08	0.8	0.011	1.87	25.3
G285168		4840	4.6	0.004	0.22	47.3	0.5	30	4.8	43.4	<0.05	0.06	0.5	0.008	0.83	29.0
G285169		>10000	25.7	0.039	0.11	109.5	1.4	38	57.5	31.6	<0.05	0.16	2.9	0.051	5.76	77.0
G285170		>10000	1.6	0.002	8.87	2950	<0.1	5	>500	19.5	<0.05	0.33	<0.2	<0.005	2.30	5.3

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Project: RAU Trend (EL)

Finalized Date: 8-JUL-2010
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CERTIFICATE OF ANALYSIS VA10086247

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Ag-GRA21	Pb-OG62	Zn-OG62	Pb-VOL70	Zn-VOL50	As-OG62	Sn-XRF05
	Analyte	V	W	Y	Zn	Zr	Ag	Ag	Pb	Zn	Pb	Zn	As	Sn
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	ppm
	LOR	1	0.1	0.1	2	0.5	1	5	0.001	0.001	0.01	0.01	0.001	5
G285163		151	0.5	8.7	>10000	28.7				1.580				
G285164		64	8.7	4.0	7440	6.7	>1500	2100	>20.0		55.33		1.040	4220
G285165		22	2.3	1.5	>10000	2.5	>1500	1840	>20.0	1.190	44.49			2080
G285166		54	27.6	5.7	>10000	6.9			1.690	2.08				
G285167		86	10.8	12.6	>10000	9.1				22.6				
G285168		65	9.8	10.2	>10000	5.5				>30.0		33.32		
G285169		574	59.6	30.2	>10000	25.6	134		2.39	>30.0		40.55		
G285170		7	1.5	0.9	1660	1.1	>1500	2810	>20.0		80.55			5990

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU Trend (EL)

Finalized Date: 8-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10086247

Method	CERTIFICATE COMMENTS
ME-MS61	REE's may not be totally soluble in this method.

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 12-JUL-2010
Account: RCM

CERTIFICATE VA10086249

Project: RAU (Grey Copper Hill)

P.O. No.: GCH

This report is for 240 Soil samples submitted to our lab in Vancouver, BC, Canada on 28-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-31	Pulverize split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
SCR-43	Screen to -500um, discard plus
SCR-01	Screen - Save plus fraction

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Project: RAU (Grey Copper Hill)

Finalized Date: 12-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10086249

Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Sample Description Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC87261	0.10	0.002	0.2	1.96	11	<10	250	0.7	<2	1.92	0.5	10	31	19	2.85
CC87262	0.10	0.007	0.2	1.71	9	<10	190	0.6	<2	4.44	<0.5	9	30	21	2.79
CC87263	0.32	0.001	0.2	2.33	12	<10	220	0.7	2	1.35	<0.5	10	35	17	3.14
CC87264	0.18	<0.001	<0.2	2.36	11	<10	260	0.9	<2	1.63	<0.5	12	38	20	3.93
CC87265	0.16	0.001	0.2	2.41	10	<10	210	0.9	<2	0.94	<0.5	16	66	21	4.11
CC87266	0.24	<0.001	<0.2	2.00	11	10	180	0.9	<2	0.82	<0.5	16	46	17	3.95
CC87267	0.12	0.002	<0.2	1.75	9	10	170	0.7	<2	2.04	<0.5	11	31	14	3.22
CC87268	0.10	<0.001	0.2	2.15	10	10	210	0.9	<2	1.23	0.5	12	49	19	3.60
CC87269	0.06	0.001	<0.2	1.88	10	10	250	0.7	<2	1.31	<0.5	10	32	17	3.15
CC87270	0.12	<0.001	<0.2	2.19	10	10	290	0.8	<2	1.03	0.7	12	36	12	3.48
CC87271	0.24	0.003	0.2	2.01	11	10	260	0.8	<2	1.24	0.6	12	35	15	3.40
CC87272	0.30	0.001	0.2	1.79	13	<10	320	0.7	<2	1.75	<0.5	12	35	15	3.37
CC87273	0.24	0.001	<0.2	1.91	12	<10	180	0.7	<2	1.27	0.5	13	39	18	3.49
CC87274	0.32	0.003	0.2	1.04	8	<10	120	<0.5	<2	5.03	<0.5	12	28	29	2.90
CC87275	0.38	0.001	<0.2	1.20	10	<10	120	<0.5	<2	3.30	<0.5	10	29	25	2.95
CC87276	0.36	0.002	0.2	2.25	5	<10	240	0.6	<2	0.67	<0.5	16	60	22	3.72
CC87277	0.30	0.003	<0.2	1.47	9	<10	150	0.5	<2	3.04	<0.5	10	30	23	2.94
CC87278	0.26	0.007	<0.2	1.45	10	<10	170	0.5	<2	3.06	0.5	10	31	22	2.85
CC87279	0.22	<0.001	<0.2	2.18	11	<10	190	0.8	<2	0.66	<0.5	12	39	15	3.47
CC87280	0.14	0.001	0.2	1.73	12	<10	300	0.6	<2	1.53	<0.5	10	30	20	2.86
CC87281	0.20	0.001	0.2	1.77	12	<10	270	0.6	<2	1.94	0.8	10	29	19	2.82
CC87282	0.42	<0.001	<0.2	2.35	12	<10	240	0.8	<2	0.72	<0.5	11	37	11	3.29
CC87283	0.18	0.001	0.2	1.94	9	<10	200	0.8	<2	2.38	1.0	12	30	18	2.97
CC87284	0.24	<0.001	<0.2	1.96	9	<10	290	1.0	<2	1.37	0.5	15	28	14	3.48
CC87285	0.22	0.003	<0.2	2.17	16	<10	160	1.0	<2	0.54	<0.5	11	39	23	3.41
CC87286	0.26	0.002	<0.2	1.74	10	<10	220	0.6	<2	1.66	<0.5	9	30	26	2.50
CC87287	0.24	<0.001	<0.2	2.04	10	<10	150	0.8	<2	1.34	0.5	8	31	15	2.77
CC87288	0.24	<0.001	<0.2	2.19	13	<10	230	0.8	<2	1.84	0.5	9	33	16	2.93
CC87289	0.24	<0.001	<0.2	2.08	11	<10	240	0.7	<2	1.52	<0.5	10	32	17	2.85
CC87290	0.12	0.002	<0.2	2.22	11	<10	200	0.8	<2	1.69	0.6	9	34	17	3.09
CC87291	0.18	<0.001	<0.2	1.92	10	<10	190	0.7	<2	2.47	1.1	8	27	20	2.47
CC87292	0.24	<0.001	<0.2	2.38	12	<10	470	0.9	<2	1.04	<0.5	12	40	17	3.49
CC87293	0.22	<0.001	0.3	2.49	13	<10	220	0.9	2	1.40	0.6	10	39	18	3.40
CC87294	0.22	<0.001	0.3	2.16	9	<10	230	0.7	<2	0.84	1.0	10	33	8	3.15
CC87295	0.14	<0.001	<0.2	1.89	9	<10	350	0.7	2	2.26	1.0	9	30	13	2.96
CC87296	0.26	<0.001	<0.2	2.38	11	<10	280	0.8	<2	1.20	0.7	11	38	9	3.40
CC87297	0.20	0.002	0.3	1.99	9	<10	340	0.7	<2	3.38	1.7	10	30	15	3.07
CC87298	0.28	0.001	0.2	2.18	9	<10	620	0.8	2	1.35	0.5	10	34	17	3.36
CC87299	0.20	0.001	0.2	1.98	12	<10	270	0.7	<2	2.18	0.6	9	32	10	3.00
CC87300	0.20	0.002	0.3	2.64	14	<10	580	1.0	<2	1.57	<0.5	15	40	37	3.90

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU (Grey Copper Hill)

Finalized Date: 12-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10086249

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC87261		10	<1	0.10	10	0.75	927	<1	0.02	21	610	23	0.06	2	3	30
CC87262		10	<1	0.18	20	2.33	509	<1	0.03	23	690	23	0.03	<2	4	43
CC87263		10	<1	0.12	20	0.68	772	<1	0.02	22	690	19	0.04	2	4	27
CC87264		10	<1	0.15	20	1.20	1460	<1	0.03	28	320	30	0.02	3	6	25
CC87265		10	<1	0.13	20	0.75	976	<1	0.02	40	430	22	0.03	<2	7	24
CC87266		<10	<1	0.16	20	0.91	816	1	0.03	34	350	44	0.02	3	6	21
CC87267		<10	<1	0.12	20	1.19	767	<1	0.03	23	370	26	0.04	<2	5	26
CC87268		10	<1	0.14	20	0.72	778	<1	0.03	28	510	23	0.04	2	5	27
CC87269		10	<1	0.12	10	0.64	491	<1	0.04	23	560	21	0.04	<2	4	28
CC87270		10	<1	0.12	20	0.72	1070	1	0.03	21	410	27	0.03	<2	4	21
CC87271		10	<1	0.10	10	0.62	1160	1	0.03	23	630	26	0.05	<2	4	22
CC87272		<10	<1	0.13	20	1.28	781	1	0.04	24	470	28	0.03	<2	4	22
CC87273		<10	<1	0.11	20	1.05	903	1	0.03	28	420	35	0.03	3	5	20
CC87274		<10	<1	0.16	10	2.75	902	1	0.04	25	960	33	0.02	2	4	60
CC87275		<10	<1	0.10	10	1.91	514	1	0.04	23	830	26	0.03	2	3	35
CC87276		10	<1	0.08	10	1.56	585	<1	0.03	29	650	11	0.02	2	4	23
CC87277		<10	<1	0.12	20	1.98	468	<1	0.04	24	1000	18	0.02	<2	4	36
CC87278		<10	<1	0.11	10	1.76	583	1	0.04	23	910	26	0.04	2	3	34
CC87279		10	<1	0.10	10	0.76	839	1	0.03	26	400	34	0.03	3	5	17
CC87280		<10	<1	0.10	10	0.59	488	<1	0.04	22	810	37	0.07	2	3	24
CC87281		10	<1	0.08	10	0.65	617	<1	0.03	21	880	44	0.08	<2	2	24
CC87282		10	<1	0.07	10	0.61	583	<1	0.03	21	360	20	0.03	<2	4	17
CC87283		10	<1	0.12	10	0.44	889	<1	0.03	22	710	18	0.07	<2	3	32
CC87284		<10	<1	0.19	30	0.39	646	1	0.03	28	430	23	0.05	2	5	26
CC87285		10	<1	0.11	30	0.59	435	<1	0.02	30	240	19	0.02	<2	8	18
CC87286		<10	<1	0.11	10	0.53	548	<1	0.02	27	770	16	0.06	<2	3	25
CC87287		<10	<1	0.08	20	0.53	683	<1	0.02	23	430	17	0.03	<2	4	16
CC87288		10	<1	0.11	20	0.56	829	1	0.03	26	400	18	0.03	<2	4	21
CC87289		10	<1	0.09	10	0.65	506	1	0.02	25	320	16	0.03	<2	4	21
CC87290		10	<1	0.12	20	0.72	568	1	0.03	26	530	19	0.04	<2	4	23
CC87291		10	<1	0.09	10	0.89	721	<1	0.02	22	750	26	0.07	<2	2	26
CC87292		10	<1	0.10	20	0.66	991	<1	0.02	32	300	22	0.01	<2	6	20
CC87293		10	<1	0.10	20	0.96	489	2	0.01	28	380	33	0.03	<2	5	19
CC87294		10	<1	0.10	10	0.62	497	2	0.01	19	210	26	0.03	<2	5	15
CC87295		<10	<1	0.10	20	1.19	714	2	0.01	19	730	31	0.07	<2	3	21
CC87296		<10	<1	0.08	10	0.68	476	1	0.01	21	410	28	0.04	<2	4	18
CC87297		<10	<1	0.12	10	1.80	799	2	0.01	18	740	33	0.07	<2	3	22
CC87298		10	<1	0.09	10	0.69	469	1	0.01	25	470	39	0.05	<2	4	19
CC87299		10	<1	0.09	10	0.60	542	1	0.01	19	750	18	0.06	<2	3	33
CC87300		10	<1	0.15	20	0.93	710	1	0.01	30	820	21	0.05	<2	5	29

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU (Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10086249

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC87261		<20	0.04	<10	<10	54	<10	91
CC87262		<20	0.06	<10	<10	49	<10	87
CC87263		<20	0.04	<10	<10	63	<10	107
CC87264		<20	0.06	<10	<10	68	<10	114
CC87265		<20	0.05	<10	<10	71	<10	106
CC87266		<20	0.13	<10	<10	62	<10	107
CC87267		<20	0.06	<10	<10	52	<10	77
CC87268		<20	0.07	<10	<10	62	<10	89
CC87269		<20	0.04	<10	<10	55	<10	75
CC87270		<20	0.06	<10	<10	64	<10	116
CC87271		<20	0.05	<10	<10	61	<10	130
CC87272		<20	0.06	<10	<10	56	<10	82
CC87273		<20	0.07	<10	<10	58	<10	97
CC87274		<20	0.07	<10	<10	39	<10	124
CC87275		<20	0.06	<10	<10	42	<10	98
CC87276		<20	0.38	<10	<10	85	<10	75
CC87277		<20	0.09	<10	<10	50	<10	78
CC87278		<20	0.08	<10	<10	48	<10	102
CC87279		<20	0.06	<10	<10	66	<10	111
CC87280		<20	0.04	<10	<10	53	<10	109
CC87281		<20	0.03	<10	<10	54	<10	176
CC87282		<20	0.05	<10	<10	69	<10	107
CC87283		<20	0.03	<10	<10	55	<10	96
CC87284		<20	0.03	<10	<10	49	<10	81
CC87285		<20	0.07	<10	<10	65	<10	73
CC87286		<20	0.04	<10	<10	51	<10	111
CC87287		<20	0.04	<10	<10	56	<10	110
CC87288		<20	0.05	<10	<10	62	<10	104
CC87289		<20	0.05	<10	<10	59	<10	79
CC87290		<20	0.06	<10	<10	67	<10	107
CC87291		<20	0.03	<10	<10	50	<10	165
CC87292		<20	0.05	<10	<10	68	<10	115
CC87293		<20	0.05	<10	<10	76	<10	158
CC87294		<20	0.06	<10	<10	63	<10	137
CC87295		<20	0.04	<10	<10	57	<10	139
CC87296		<20	0.04	<10	<10	70	<10	151
CC87297		<20	0.04	<10	<10	50	<10	171
CC87298		<20	0.04	<10	<10	61	<10	190
CC87299		<20	0.04	<10	<10	53	<10	120
CC87300		<20	0.03	<10	<10	59	<10	116

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VANCOUVER BC V6B 1L8

Finalized Date: 12-JUL-2010
Account: RCM

Project: RAU (Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10086249

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC87301		0.24	0.001	0.2	2.30	9	<10	620	1.1	<2	0.83	<0.5	13	29	23	3.48
CC87302		0.26	0.031	<0.2	1.97	13	<10	170	0.8	<2	1.37	<0.5	11	34	16	3.47
CC87303		0.20	<0.001	<0.2	2.85	6	<10	360	0.8	2	1.88	<0.5	18	58	29	4.15
CC87304		0.18	<0.001	0.2	2.23	8	<10	310	0.7	<2	2.30	<0.5	15	31	37	3.89
CC87305		0.24	<0.001	<0.2	1.93	11	<10	240	0.8	2	2.43	0.5	12	35	22	3.57
CC87306		0.18	<0.001	0.3	4.11	5	<10	90	1.1	2	1.83	<0.5	28	45	15	7.12
CC87307		0.20	<0.001	<0.2	3.76	4	<10	160	1.0	<2	1.76	<0.5	24	57	22	6.52
CC87308		0.20	<0.001	<0.2	3.24	6	<10	260	0.9	<2	1.66	<0.5	22	73	25	5.54
CC87309		0.18	NSS	0.3	1.66	6	<10	200	0.7	<2	3.38	0.7	12	43	55	2.99
CC87310		0.16	0.001	0.6	1.91	9	<10	220	0.8	<2	2.75	1.4	14	42	51	3.45
CC87311		0.18	<0.001	0.6	1.87	9	<10	230	0.8	<2	2.15	2.1	12	36	56	3.13
CC87312		0.18	<0.001	0.4	1.91	10	<10	310	0.7	2	1.26	0.8	13	37	30	3.36
CC87313		0.18	0.002	0.8	1.64	20	<10	830	0.8	2	2.21	1.8	11	30	52	2.89
CC87314		0.22	0.002	0.6	1.86	23	<10	630	0.7	<2	1.67	0.9	11	32	41	3.29
CC87315		0.18	0.007	0.6	1.84	22	<10	530	0.7	2	1.40	1.4	12	34	27	3.42
CC87316		0.26	<0.001	0.6	1.80	22	<10	690	0.7	<2	1.63	1.2	12	32	30	3.30
CC87317		0.22	<0.001	0.4	1.59	17	<10	600	0.6	<2	1.65	1.0	11	28	27	2.86
CC87318		0.16	0.002	0.4	1.59	13	<10	600	0.6	<2	1.23	1.1	10	28	21	3.09
CC87319		0.20	0.002	0.5	1.64	17	<10	550	0.7	2	1.07	1.2	10	29	18	3.07
CC87320		0.24	0.003	0.4	1.62	18	<10	450	0.6	2	1.52	1.5	11	27	16	3.10
CC87321		0.24	0.003	0.4	1.53	18	<10	520	0.6	<2	3.91	0.8	9	25	13	2.87
CC87322		0.26	0.005	0.4	1.60	19	<10	240	0.6	<2	1.60	0.6	12	31	19	3.37
CC87323		0.14	<0.001	0.4	1.48	13	<10	1130	0.5	2	1.57	0.7	10	26	11	2.77
CC87324		0.42	0.002	0.5	1.48	19	<10	420	0.6	<2	3.39	<0.5	12	31	24	3.39
CC87325		0.26	0.001	0.8	1.59	19	<10	660	0.6	<2	1.48	<0.5	11	29	22	3.19
CC87326		0.44	0.006	0.3	1.24	14	<10	420	0.5	<2	4.05	<0.5	12	27	32	3.10
CC87327		0.20	0.002	0.4	1.39	16	<10	980	0.5	<2	1.77	0.6	14	29	21	3.94
CC87328		0.20	0.002	0.4	1.45	11	<10	900	0.5	2	1.88	<0.5	11	29	20	2.99
CC87329		0.16	0.002	0.4	0.84	16	<10	320	0.5	<2	5.80	0.6	13	18	30	2.85
CC87330		0.38	0.005	0.2	1.00	16	<10	240	<0.5	<2	9.9	<0.5	8	20	28	2.25
CC87331		0.30	<0.001	0.2	1.01	17	<10	520	<0.5	<2	7.5	<0.5	10	21	32	2.56
CC87332		0.20	0.001	0.5	0.60	28	<10	480	<0.5	<2	13.0	0.8	9	13	22	2.26
CC87333		0.26	0.002	0.4	0.71	33	<10	350	<0.5	<2	11.8	1.6	8	15	23	2.38
CC87334		0.38	0.001	0.5	0.86	34	<10	290	<0.5	<2	11.4	0.6	12	17	23	2.92
CC87335		0.32	0.001	0.2	2.28	43	<10	260	0.8	<2	2.65	1.1	11	34	16	3.94
CC87336		0.26	0.001	0.7	1.02	43	<10	210	0.5	<2	12.2	1.6	7	17	15	2.58
CC87337		0.22	0.004	0.4	1.23	28	<10	330	0.7	<2	2.95	0.8	18	24	31	4.45
CC87338		0.32	0.008	0.4	1.68	40	<10	280	0.6	<2	5.47	<0.5	14	28	32	3.66
CC87339		0.38	0.002	0.3	1.22	30	<10	150	0.5	<2	10.9	<0.5	7	19	19	2.48
CC87340		0.24	0.001	0.2	1.87	14	<10	230	0.7	<2	1.11	<0.5	12	34	25	3.25

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU (Grey Copper Hill)

Finalized Date: 12-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10086249

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC87301		10	<1	0.12	20	0.87	554	1	<0.01	19	780	19	0.05	<2	4	33
CC87302		10	<1	0.09	20	1.02	581	1	0.01	21	560	23	0.04	<2	5	25
CC87303		10	<1	0.11	20	2.39	723	1	0.01	27	1390	8	0.09	<2	4	44
CC87304		10	<1	0.11	10	1.32	687	1	0.01	19	1040	19	0.11	2	3	54
CC87305		10	<1	0.09	20	1.18	1015	1	0.01	20	870	23	0.07	<2	3	42
CC87306		10	<1	0.07	20	4.05	1005	1	0.01	19	2110	22	0.06	<2	7	60
CC87307		10	<1	0.07	20	3.84	863	1	0.01	26	2220	8	0.06	<2	6	90
CC87308		10	<1	0.08	20	2.85	980	1	0.01	31	1540	17	0.08	<2	5	68
CC87309		<10	<1	0.08	20	1.23	606	4	0.01	39	1360	11	0.15	<2	3	73
CC87310		10	<1	0.12	20	1.34	785	8	0.01	45	1240	16	0.11	<2	3	58
CC87311		10	<1	0.16	10	1.27	574	8	0.01	48	1130	14	0.11	3	3	52
CC87312		10	<1	0.11	20	1.22	646	4	0.01	31	910	18	0.07	<2	3	43
CC87313		10	1	0.12	10	0.82	786	8	0.01	42	1320	61	0.13	5	2	41
CC87314		<10	<1	0.12	20	0.79	882	6	0.02	33	1130	62	0.10	3	3	37
CC87315		10	<1	0.12	20	0.87	892	9	0.01	38	1130	48	0.07	<2	3	36
CC87316		<10	<1	0.11	20	0.79	979	8	0.01	38	1260	49	0.08	<2	3	36
CC87317		10	<1	0.10	10	0.68	830	5	0.01	33	1100	38	0.08	<2	2	36
CC87318		<10	<1	0.11	20	0.70	784	5	0.02	27	950	34	0.06	2	3	30
CC87319		<10	<1	0.09	20	0.67	778	5	0.01	26	840	33	0.06	<2	3	26
CC87320		<10	<1	0.09	10	0.86	1020	6	0.01	21	820	37	0.07	<2	2	24
CC87321		<10	<1	0.08	10	2.45	913	5	0.01	19	880	33	0.04	<2	3	30
CC87322		<10	<1	0.11	20	1.12	990	3	0.02	25	720	36	0.04	<2	4	31
CC87323		<10	<1	0.10	10	0.65	888	2	0.01	15	1010	34	0.11	<2	3	34
CC87324		<10	<1	0.12	20	2.26	861	2	0.01	26	770	41	0.03	2	4	51
CC87325		<10	<1	0.10	10	0.61	749	2	0.01	22	1190	57	0.13	<2	3	49
CC87326		<10	<1	0.15	10	2.50	922	2	0.02	33	1080	38	0.04	<2	4	57
CC87327		<10	<1	0.12	10	0.88	2590	2	0.02	28	1200	29	0.10	<2	4	45
CC87328		<10	<1	0.12	10	0.72	977	1	0.01	21	1210	25	0.11	<2	3	47
CC87329		<10	<1	0.15	10	3.65	1465	2	0.02	26	950	50	0.08	<2	3	57
CC87330		<10	<1	0.11	10	6.26	574	3	0.03	23	680	30	0.03	<2	3	53
CC87331		<10	<1	0.11	10	4.64	733	3	0.02	27	830	29	0.06	<2	3	60
CC87332		<10	<1	0.09	10	8.01	672	8	0.02	23	920	97	0.09	<2	2	85
CC87333		<10	1	0.09	10	7.18	761	9	0.02	25	1050	98	0.10	<2	2	71
CC87334		<10	<1	0.10	10	7.01	838	8	0.02	31	1030	78	0.11	<2	2	76
CC87335		10	1	0.08	10	1.89	1085	10	0.02	28	840	94	0.05	<2	3	22
CC87336		<10	1	0.06	10	7.60	1085	13	0.02	19	1010	113	0.06	2	2	50
CC87337		<10	1	0.10	10	0.97	2970	4	0.02	32	1600	56	0.14	<2	2	66
CC87338		<10	<1	0.13	10	4.11	1095	8	0.03	35	440	50	0.02	<2	4	44
CC87339		<10	<1	0.07	10	6.90	1005	10	0.02	21	580	35	0.03	<2	2	49
CC87340		10	1	0.10	20	0.79	792	4	0.02	31	970	27	0.06	<2	3	25

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU (Grey Copper Hill)

Finalized Date: 12-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10086249

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC87301		<20	0.04	<10	<10	51	<10	97
CC87302		<20	0.07	<10	<10	56	<10	64
CC87303		<20	0.16	<10	<10	66	<10	79
CC87304		<20	0.11	<10	<10	74	<10	70
CC87305		<20	0.06	<10	<10	60	<10	74
CC87306		<20	0.28	<10	<10	146	<10	116
CC87307		<20	0.36	<10	<10	132	<10	94
CC87308		<20	0.28	<10	<10	117	<10	100
CC87309		<20	0.09	<10	<10	128	<10	126
CC87310		<20	0.09	<10	<10	164	<10	232
CC87311		<20	0.07	<10	<10	139	<10	338
CC87312		<20	0.11	<10	<10	119	<10	191
CC87313		<20	0.03	<10	<10	124	<10	377
CC87314		<20	0.04	<10	<10	95	<10	277
CC87315		<20	0.07	<10	<10	120	<10	320
CC87316		<20	0.05	<10	<10	101	<10	313
CC87317		<20	0.04	<10	<10	72	<10	238
CC87318		<20	0.05	<10	<10	64	<10	206
CC87319		<20	0.04	<10	<10	82	<10	214
CC87320		<20	0.04	<10	<10	66	<10	194
CC87321		<20	0.04	<10	<10	60	<10	158
CC87322		<20	0.06	<10	<10	54	<10	113
CC87323		<20	0.03	<10	<10	46	<10	82
CC87324		<20	0.05	<10	<10	51	<10	130
CC87325		<20	0.03	<10	<10	49	<10	116
CC87326		<20	0.05	<10	<10	42	<10	204
CC87327		<20	0.03	<10	<10	47	<10	155
CC87328		<20	0.03	<10	<10	44	<10	132
CC87329		<20	0.02	<10	<10	28	<10	219
CC87330		<20	0.04	<10	<10	35	<10	119
CC87331		<20	0.04	<10	<10	35	<10	154
CC87332		<20	0.02	<10	<10	28	<10	245
CC87333		<20	0.02	<10	<10	32	<10	296
CC87334		<20	0.02	<10	<10	36	<10	228
CC87335		<20	0.04	<10	<10	80	<10	363
CC87336		<20	0.02	<10	<10	41	<10	286
CC87337		<20	0.02	<10	<10	42	<10	226
CC87338		<20	0.05	<10	<10	51	<10	196
CC87339		<20	0.03	<10	<10	37	<10	124
CC87340		<20	0.05	<10	<10	64	<10	128

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 12-JUL-2010
Account: RCM

Project: RAU (Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10086249

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC87341		0.24	0.003	0.7	2.03	26	<10	640	0.9	<2	1.49	1.7	14	45	41	3.53
CC87342		0.22	0.010	0.6	1.87	21	<10	280	0.8	<2	1.50	1.3	12	33	29	3.52
CC87343		0.36	0.013	0.4	1.56	17	<10	180	0.6	<2	4.33	1.3	12	42	30	3.19
CC87344		0.30	0.007	0.3	2.02	21	<10	260	0.8	<2	1.49	0.7	12	36	19	3.44
CC87345		0.44	0.007	0.3	1.00	13	<10	180	<0.5	<2	8.5	0.9	7	21	18	2.14
CC87346		0.36	0.001	0.4	1.76	17	<10	250	0.7	<2	2.63	1.0	10	30	21	3.07
CC87347		0.30	0.005	0.2	1.45	24	<10	200	0.7	<2	5.67	1.1	10	25	20	2.95
CC87348		0.28	0.004	<0.2	1.69	21	<10	170	0.7	<2	6.01	0.7	9	26	16	2.94
CC87349		0.24	0.001	<0.2	1.97	21	<10	230	0.8	<2	0.77	0.8	12	32	19	3.68
CC87350		0.32	0.001	0.3	1.29	19	<10	160	<0.5	<2	0.14	<0.5	8	26	17	3.12
CC87351		0.16	0.001	<0.2	1.77	12	<10	130	<0.5	<2	0.12	<0.5	10	64	18	4.05
CC87352		0.06	0.005	<0.2	0.75	6	<10	100	<0.5	<2	0.52	0.6	7	19	20	1.99
CC87353		0.18	0.004	0.3	2.29	10	<10	270	0.8	<2	0.88	<0.5	24	142	42	5.04
CC87354		0.30	<0.001	<0.2	2.81	4	<10	260	0.7	<2	0.83	<0.5	27	151	32	6.38
CC87355		0.18	0.002	<0.2	2.41	13	<10	230	1.1	<2	0.75	<0.5	24	92	30	5.35
CC87356		0.24	<0.001	<0.2	0.96	33	<10	90	0.6	<2	9.5	<0.5	9	33	18	2.79
CC87357		0.20	0.003	<0.2	1.29	37	<10	140	0.7	<2	5.95	0.5	11	29	23	2.93
CC87358		0.22	0.008	<0.2	1.04	31	<10	110	<0.5	<2	10.6	<0.5	7	25	15	2.22
CC87359		0.16	0.009	<0.2	1.98	21	<10	190	0.6	<2	4.56	<0.5	15	60	28	3.75
CC87360		0.20	0.003	<0.2	1.82	28	<10	160	0.7	<2	5.15	<0.5	10	50	18	3.32
CC87361		0.12	0.003	0.9	2.03	17	<10	230	1.0	<2	1.34	2.1	12	39	49	3.57
CC87362		0.20	0.003	1.7	1.96	21	<10	180	1.1	<2	1.55	4.7	14	46	90	3.56
CC87363		0.26	0.006	0.2	1.84	10	<10	230	0.7	<2	0.73	0.6	13	34	37	3.70
CC87364		0.16	0.001	0.6	1.95	16	<10	310	0.8	<2	1.49	2.2	13	32	40	3.75
CC87365		0.30	0.008	0.6	1.21	18	<10	590	0.5	<2	3.37	1.9	10	26	42	2.93
CC87366		0.14	<0.001	0.2	0.60	14	<10	260	<0.5	<2	8.9	0.6	5	12	16	1.56
CC87367		0.12	<0.001	0.4	0.75	31	<10	690	<0.5	<2	3.90	0.9	6	13	29	1.54
CC87368		0.16	<0.001	0.4	0.58	12	<10	490	<0.5	<2	12.6	0.6	5	11	14	2.04
CC87369		0.20	0.003	0.2	1.60	19	<10	250	0.7	<2	2.70	0.5	11	29	25	3.51
CC87370		0.16	0.001	<0.2	1.66	17	<10	250	0.7	<2	0.93	<0.5	12	33	23	4.09
CC87371		0.20	0.002	0.2	1.17	14	<10	170	<0.5	<2	4.44	0.5	9	21	21	2.88
CC87372		0.18	0.004	0.2	1.11	18	<10	150	0.5	<2	7.11	0.8	7	19	14	2.59
CC87373		0.18	0.004	0.4	1.22	17	<10	130	0.5	<2	8.0	0.5	8	20	15	2.51
CC87374		0.12	0.005	0.3	1.26	17	<10	150	0.6	<2	4.84	0.5	9	23	19	2.82
CC87375		0.14	0.001	0.3	0.92	34	<10	170	<0.5	<2	8.7	0.5	8	17	17	2.44
CC87376		0.14	0.005	0.2	1.05	17	<10	120	0.5	<2	6.67	<0.5	9	23	21	2.81
CC87377		0.22	0.005	0.3	0.80	18	<10	130	<0.5	<2	8.9	<0.5	7	15	15	2.17
CC87378		0.14	0.005	0.3	0.98	15	<10	200	0.5	<2	9.9	0.5	7	17	18	2.60
CC87379		0.16	0.005	0.2	1.03	14	<10	220	<0.5	<2	5.59	<0.5	9	20	25	2.64
CC87380		0.16	0.003	0.2	1.14	13	<10	160	0.5	<2	3.91	<0.5	10	23	26	2.91

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	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC87341		10	1	0.14	20	0.93	1015	14	0.02	55	1470	70	0.07	3	4	32
CC87342		<10	1	0.12	20	1.11	1245	10	0.03	38	1310	68	0.06	2	3	31
CC87343		<10	<1	0.10	20	3.19	745	11	0.03	39	1350	33	0.03	<2	4	45
CC87344		10	1	0.09	20	1.22	1015	5	0.02	31	960	91	0.04	<2	4	25
CC87345		<10	<1	0.07	10	5.36	690	5	0.02	24	860	66	0.02	<2	2	47
CC87346		<10	<1	0.08	20	1.86	958	4	0.02	28	910	39	0.05	<2	3	26
CC87347		<10	1	0.08	10	3.83	1625	8	0.02	26	1180	59	0.05	<2	3	34
CC87348		<10	<1	0.09	10	4.29	1360	4	0.02	21	880	65	0.05	<2	3	31
CC87349		10	1	0.14	10	0.64	1200	4	0.02	27	1060	32	0.06	<2	3	21
CC87350		10	<1	0.17	20	0.20	912	2	0.02	15	910	28	0.05	<2	1	30
CC87351		10	<1	0.18	20	0.47	583	2	0.01	26	760	20	0.03	<2	2	13
CC87352		<10	<1	0.13	10	0.17	312	2	0.02	14	1100	14	0.17	<2	2	30
CC87353		10	1	0.21	20	1.43	1195	1	0.02	73	1710	19	0.06	<2	9	56
CC87354		10	<1	0.43	30	2.39	1070	1	0.02	67	1790	15	0.04	<2	8	46
CC87355		10	<1	0.29	30	1.86	1440	2	0.02	57	1740	22	0.06	<2	6	27
CC87356		<10	1	0.15	10	5.88	1020	5	0.02	25	980	35	0.06	<2	3	62
CC87357		<10	<1	0.14	10	3.70	1295	6	0.02	27	1330	35	0.13	<2	2	39
CC87358		<10	<1	0.11	10	6.69	705	2	0.03	19	890	19	0.04	<2	2	46
CC87359		10	<1	0.21	20	3.83	929	2	0.03	39	1410	17	0.04	<2	5	42
CC87360		<10	<1	0.11	20	3.90	894	3	0.02	28	890	37	0.04	<2	4	32
CC87361		10	<1	0.12	20	1.14	508	12	0.01	49	1490	30	0.07	2	4	49
CC87362		10	1	0.19	20	1.35	507	32	0.01	83	1420	54	0.05	5	5	50
CC87363		10	<1	0.08	20	1.10	694	4	0.02	33	1440	22	0.01	<2	5	44
CC87364		10	1	0.10	20	1.16	784	18	0.01	40	1110	40	0.04	<2	4	46
CC87365		<10	<1	0.08	20	1.92	547	13	0.02	40	1290	40	0.03	<2	4	59
CC87366		<10	<1	0.04	10	4.83	1245	7	0.01	22	1210	28	0.14	<2	1	45
CC87367		<10	<1	0.04	<10	1.10	1250	9	0.02	32	1480	47	0.25	<2	1	34
CC87368		<10	<1	0.04	10	7.68	1520	4	0.02	17	600	39	0.06	<2	1	48
CC87369		<10	<1	0.07	10	1.82	1120	3	0.01	29	820	53	0.05	<2	3	25
CC87370		<10	<1	0.07	10	0.84	1300	3	0.01	29	810	61	0.04	<2	4	19
CC87371		<10	<1	0.06	10	3.02	1155	2	0.01	23	650	41	0.04	<2	3	34
CC87372		<10	<1	0.05	10	4.90	1110	3	0.01	19	690	66	0.04	<2	2	36
CC87373		<10	1	0.05	10	5.03	1150	3	0.02	19	690	63	0.04	<2	2	38
CC87374		<10	<1	0.06	10	3.34	1055	3	0.02	22	720	49	0.05	<2	2	28
CC87375		<10	1	0.06	10	5.29	1655	4	0.02	20	700	113	0.06	<2	2	55
CC87376		<10	<1	0.06	10	4.47	802	3	0.02	23	680	39	0.03	<2	3	39
CC87377		<10	1	0.05	10	5.41	1150	3	0.02	16	860	52	0.05	<2	1	48
CC87378		<10	<1	0.05	10	6.18	1350	3	0.02	21	840	78	0.05	<2	2	49
CC87379		<10	<1	0.07	10	4.05	976	3	0.02	25	720	42	0.02	<2	3	41
CC87380		<10	<1	0.06	10	2.44	1070	3	0.01	24	1190	40	0.08	<2	2	31

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU (Grey Copper Hill)

Finalized Date: 12-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10086249

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC87341		<20	0.06	<10	<10	172	<10	395
CC87342		<20	0.04	<10	<10	77	<10	255
CC87343		<20	0.19	<10	<10	79	<10	186
CC87344		<20	0.06	<10	<10	72	<10	171
CC87345		<20	0.06	<10	<10	44	<10	179
CC87346		<20	0.03	<10	<10	60	<10	145
CC87347		<20	0.04	<10	<10	50	<10	176
CC87348		<20	0.04	<10	<10	51	<10	156
CC87349		<20	0.03	<10	<10	56	<10	147
CC87350		<20	0.03	<10	<10	67	<10	57
CC87351		<20	0.10	<10	<10	84	<10	60
CC87352		<20	0.02	<10	<10	34	<10	49
CC87353		<20	0.06	<10	<10	76	<10	117
CC87354		<20	0.15	<10	<10	104	<10	98
CC87355		<20	0.09	<10	<10	82	<10	113
CC87356		<20	0.03	<10	<10	37	<10	121
CC87357		<20	0.03	<10	<10	40	<10	167
CC87358		<20	0.04	<10	<10	35	<10	87
CC87359		<20	0.08	<10	<10	66	<10	98
CC87360		<20	0.05	<10	<10	56	<10	121
CC87361		<20	0.07	<10	<10	163	<10	377
CC87362		<20	0.09	<10	<10	229	<10	629
CC87363		<20	0.15	<10	<10	78	<10	130
CC87364		<20	0.10	<10	<10	172	<10	274
CC87365		<20	0.09	<10	<10	91	<10	280
CC87366		<20	0.01	<10	<10	32	<10	252
CC87367		<20	0.01	<10	<10	39	<10	353
CC87368		<20	0.01	<10	<10	22	<10	245
CC87369		<20	0.03	<10	<10	50	<10	213
CC87370		<20	0.03	<10	<10	57	<10	229
CC87371		<20	0.03	<10	<10	38	<10	158
CC87372		<20	0.03	<10	<10	35	<10	242
CC87373		<20	0.02	<10	<10	37	<10	170
CC87374		<20	0.02	<10	<10	40	<10	143
CC87375		<20	0.02	<10	<10	30	<10	241
CC87376		<20	0.03	<10	<10	36	<10	135
CC87377		<20	0.02	<10	<10	28	<10	134
CC87378		<20	0.02	<10	<10	32	<10	226
CC87379		<20	0.03	<10	<10	36	<10	172
CC87380		<20	0.02	<10	<10	37	<10	140

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU (Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10086249

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC87381		0.22	0.001	<0.2	1.23	16	<10	160	0.6	<2	5.95	<0.5	10	26	22	3.13
CC87382		0.20	0.001	0.3	1.40	14	<10	200	0.6	<2	0.69	<0.5	15	33	24	3.79
CC87383		0.18	0.001	0.3	1.40	15	<10	140	0.6	<2	4.24	0.5	10	25	17	3.07
CC87384		0.20	<0.001	0.2	1.56	16	<10	240	0.7	<2	2.32	<0.5	10	27	19	3.17
CC87385		0.20	0.001	<0.2	0.99	13	<10	170	<0.5	<2	8.0	<0.5	7	19	19	2.39
CC87386		0.16	0.005	<0.2	1.52	15	<10	240	0.6	<2	1.23	<0.5	11	31	19	3.14
CC87387		0.18	0.001	0.4	1.45	25	<10	250	0.6	<2	4.79	0.5	12	25	19	3.20
CC87388		0.18	0.002	1.0	0.84	24	<10	280	0.5	<2	0.75	0.5	9	16	25	3.22
CC87389		0.20	0.001	0.8	1.39	23	<10	230	0.6	<2	0.43	<0.5	17	29	24	3.97
CC87390		0.14	0.012	0.3	1.39	18	<10	250	0.5	<2	0.37	<0.5	14	30	21	3.89
CC87391		0.24	0.006	0.4	1.48	16	<10	210	0.5	<2	0.27	<0.5	12	35	28	3.65
CC87392		0.18	0.001	0.3	1.42	17	<10	210	0.6	<2	0.20	<0.5	17	30	30	3.95
CC87393		0.22	0.002	0.2	1.47	15	<10	160	0.6	<2	0.25	<0.5	16	31	33	4.04
CC87394		0.22	0.002	<0.2	1.45	13	<10	200	0.6	<2	0.24	<0.5	13	32	28	4.24
CC87395		0.18	<0.001	<0.2	1.56	10	<10	200	0.6	<2	0.40	<0.5	12	38	21	4.07
CC87396		0.18	<0.001	<0.2	4.78	2	<10	310	1.3	<2	0.96	<0.5	39	131	32	8.74
CC87397		0.24	0.003	0.8	2.39	14	<10	290	0.9	<2	1.17	1.6	19	53	35	4.47
CC87398		0.20	0.006	0.4	1.49	14	<10	260	0.6	<2	8.1	1.0	10	30	25	2.60
CC87399		0.18	0.008	<0.2	2.03	51	<10	230	0.8	<2	0.60	0.5	14	40	25	4.32
CC87400		0.24	0.006	<0.2	2.33	17	<10	170	0.7	<2	0.64	<0.5	13	49	18	3.94
CC87401		0.20	0.001	0.2	0.59	15	<10	110	<0.5	<2	13.8	<0.5	4	9	13	1.19
CC87402		0.24	0.004	<0.2	0.38	11	<10	60	<0.5	<2	15.5	<0.5	3	6	7	0.76
CC87403		0.24	0.001	<0.2	1.79	19	<10	260	0.7	<2	2.67	0.7	11	28	21	2.90
CC87404		0.22	0.005	0.4	0.76	14	<10	180	<0.5	<2	11.3	<0.5	7	13	13	1.62
CC87405		0.26	0.007	0.4	0.40	18	<10	200	<0.5	2	13.2	<0.5	4	8	11	1.46
CC87406		0.26	0.002	0.4	1.04	25	<10	160	0.5	<2	6.23	0.5	7	17	18	2.10
CC87407		0.28	0.001	0.3	0.47	22	<10	80	<0.5	<2	11.9	<0.5	5	9	13	1.25
CC87408		0.22	0.001	0.5	0.74	22	<10	130	<0.5	2	9.6	<0.5	7	14	12	1.73
CC87409		0.24	0.005	0.3	0.38	19	<10	100	<0.5	2	14.0	0.5	5	8	11	1.26
CC87410		0.22	0.001	0.3	0.44	16	<10	90	<0.5	2	13.4	0.5	5	8	10	1.31
CC87411		0.28	0.003	0.3	0.29	14	<10	60	<0.5	<2	15.3	<0.5	4	6	7	0.88
CC87412		0.26	0.005	0.3	0.41	16	<10	70	<0.5	<2	14.3	<0.5	4	7	8	1.08
CC87413		0.32	<0.001	0.4	0.44	18	<10	60	<0.5	<2	13.8	1.0	4	8	9	1.12
CC87414		0.24	<0.001	0.4	0.53	18	<10	70	<0.5	<2	13.1	<0.5	5	9	10	1.28
CC87415		0.16	0.002	1.1	0.62	63	<10	100	0.5	<2	10.1	0.7	10	20	26	2.06
CC87416		0.26	0.013	<0.2	1.06	15	<10	200	0.7	<2	0.95	<0.5	22	16	45	4.58
CC87417		0.24	0.023	7.6	0.79	175	<10	120	<0.5	<2	0.11	0.8	15	13	101	5.15
CC87418		0.22	0.004	0.7	0.86	36	<10	200	<0.5	2	0.07	<0.5	5	21	19	3.14
CC87419		0.26	0.002	2.1	1.44	40	<10	290	<0.5	2	0.08	<0.5	7	26	26	3.44
CC87420		0.22	0.001	1.8	0.61	34	<10	480	0.7	<2	0.89	<0.5	14	15	44	4.18

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU (Grey Copper Hill)

Finalized Date: 12-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10086249

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC87381		<10	<1	0.06	10	3.93	1230	5	0.01	25	970	43	0.04	<2	3	32
CC87382		<10	<1	0.08	10	0.62	1325	2	0.01	29	1000	41	0.06	<2	3	15
CC87383		<10	<1	0.06	10	2.86	1125	2	0.01	22	880	36	0.05	<2	2	23
CC87384		<10	<1	0.06	10	1.50	1065	2	0.01	24	1040	42	0.07	<2	2	21
CC87385		<10	<1	0.05	10	5.01	800	2	0.02	20	750	28	0.03	<2	2	41
CC87386		<10	<1	0.06	10	0.76	924	2	0.01	25	980	35	0.07	<2	3	18
CC87387		<10	<1	0.06	10	3.18	1255	3	0.02	28	1090	47	0.08	<2	2	32
CC87388		<10	1	0.18	20	0.32	707	2	0.01	23	1070	139	0.24	3	2	39
CC87389		<10	<1	0.09	20	0.57	1185	3	0.01	43	850	64	0.05	<2	4	22
CC87390		<10	<1	0.09	10	0.47	1525	2	0.01	27	1080	47	0.05	<2	2	23
CC87391		<10	<1	0.07	20	0.59	908	1	0.01	32	810	46	0.03	<2	4	23
CC87392		<10	<1	0.10	20	0.44	1950	2	0.01	31	900	48	0.05	<2	2	23
CC87393		<10	<1	0.07	10	0.50	1420	2	0.01	33	960	44	0.03	<2	3	23
CC87394		<10	<1	0.08	20	0.46	1990	2	<0.01	27	880	36	0.02	<2	2	18
CC87395		<10	<1	0.09	10	0.52	1485	1	0.01	24	1240	33	0.05	<2	2	19
CC87396		20	1	0.70	10	5.08	1310	2	0.01	71	1590	7	0.05	<2	6	62
CC87397		10	<1	0.11	20	1.63	927	10	0.01	54	2170	26	0.04	<2	5	35
CC87398		<10	<1	0.09	10	5.24	879	5	0.02	36	1240	25	0.05	<2	3	44
CC87399		10	<1	0.07	10	0.91	1260	12	0.01	41	880	57	0.03	<2	4	20
CC87400		10	<1	0.05	10	1.38	554	3	0.01	31	810	22	0.02	<2	4	20
CC87401		<10	<1	0.04	10	8.30	836	5	0.02	8	560	20	0.07	<2	1	46
CC87402		<10	<1	0.02	<10	9.56	430	2	0.02	4	430	18	0.04	<2	1	45
CC87403		<10	<1	0.06	10	1.73	1100	4	0.02	21	1110	35	0.09	<2	2	19
CC87404		<10	<1	0.04	10	6.84	788	4	0.02	9	570	29	0.04	<2	1	38
CC87405		<10	<1	0.04	10	7.89	841	5	0.02	9	350	80	0.03	2	1	57
CC87406		<10	<1	0.05	10	3.94	970	5	0.02	14	800	62	0.09	<2	1	30
CC87407		<10	<1	0.03	10	7.00	793	3	0.02	7	510	52	0.06	<2	1	44
CC87408		<10	<1	0.05	10	5.60	842	2	0.02	8	620	56	0.08	<2	1	44
CC87409		<10	<1	0.03	10	8.38	690	3	0.02	7	350	60	0.04	<2	1	62
CC87410		<10	<1	0.03	10	8.23	868	3	0.02	6	410	43	0.05	<2	1	61
CC87411		<10	<1	0.03	<10	9.23	595	2	0.02	4	310	24	0.04	<2	1	57
CC87412		<10	<1	0.03	<10	8.64	677	2	0.02	5	330	28	0.04	<2	1	53
CC87413		<10	<1	0.03	10	8.33	641	3	0.02	7	320	183	0.03	<2	1	75
CC87414		<10	<1	0.04	10	7.78	718	4	0.02	7	530	37	0.06	2	1	48
CC87415		<10	<1	0.07	10	5.86	1105	2	0.02	16	860	85	0.09	5	2	68
CC87416		<10	<1	0.19	20	0.30	2650	2	0.01	20	860	20	0.08	2	4	54
CC87417		<10	2	0.39	20	0.18	326	9	0.01	41	1660	1855	0.66	30	2	444
CC87418		10	1	0.15	20	0.14	270	6	0.01	10	730	67	0.15	2	1	65
CC87419		10	1	0.13	20	0.27	407	2	0.01	15	780	721	0.17	5	1	34
CC87420		<10	<1	0.24	20	0.22	1390	2	0.01	26	1200	170	0.18	5	3	71

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU (Grey Copper Hill)

Finalized Date: 12-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10086249

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC87381		<20	0.03	<10	<10	42	<10	175
CC87382		<20	0.03	<10	<10	44	<10	148
CC87383		<20	0.03	<10	<10	44	<10	154
CC87384		<20	0.02	<10	<10	47	<10	145
CC87385		<20	0.03	<10	<10	33	<10	105
CC87386		<20	0.03	<10	<10	46	<10	128
CC87387		<20	0.02	<10	<10	43	<10	160
CC87388		<20	0.02	<10	<10	25	<10	167
CC87389		<20	0.04	<10	<10	43	<10	217
CC87390		<20	0.03	<10	<10	50	<10	163
CC87391		<20	0.03	<10	<10	45	<10	135
CC87392		<20	0.03	<10	<10	49	<10	162
CC87393		<20	0.03	<10	<10	46	<10	161
CC87394		<20	0.03	<10	<10	49	<10	134
CC87395		<20	0.03	<10	<10	53	<10	125
CC87396		<20	0.38	<10	<10	198	<10	130
CC87397		<20	0.19	<10	<10	145	<10	252
CC87398		<20	0.06	<10	<10	114	<10	206
CC87399		<20	0.09	<10	<10	130	<10	231
CC87400		<20	0.17	<10	<10	95	<10	99
CC87401		<20	0.01	<10	<10	18	<10	103
CC87402		<20	0.01	<10	<10	12	<10	65
CC87403		<20	0.02	<10	<10	52	<10	161
CC87404		<20	0.02	<10	<10	26	<10	81
CC87405		<20	0.01	<10	<10	17	<10	111
CC87406		<20	0.02	<10	<10	31	<10	155
CC87407		<20	0.01	<10	<10	18	<10	105
CC87408		<20	0.02	<10	<10	24	<10	111
CC87409		<20	0.01	<10	<10	16	<10	111
CC87410		<20	0.01	<10	<10	16	<10	125
CC87411		<20	0.01	<10	<10	11	<10	84
CC87412		<20	0.01	<10	<10	15	<10	92
CC87413		<20	0.01	<10	<10	16	<10	366
CC87414		<20	0.01	<10	<10	19	<10	134
CC87415		<20	0.01	<10	<10	23	<10	225
CC87416		<20	0.01	<10	<10	31	<10	139
CC87417		<20	0.03	<10	<10	30	<10	447
CC87418		<20	0.06	<10	<10	62	<10	53
CC87419		<20	0.04	<10	<10	61	<10	86
CC87420		<20	0.01	<10	<10	24	<10	163

***** See Appendix Page for comments regarding this certificate *****

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU (Grey Copper Hill)

Finalized Date: 12-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10086249

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC87421		0.24	0.001	1.0	0.29	73	<10	120	<0.5	<2	12.9	<0.5	7	10	17	1.64
CC87422		0.24	0.001	2.4	0.42	64	<10	130	0.5	<2	8.8	0.5	10	11	59	2.73
CC87423		0.18	<0.001	1.1	0.24	43	<10	80	<0.5	3	13.9	<0.5	5	5	35	1.56
CC87424		0.26	0.003	1.0	0.59	58	<10	110	0.5	<2	10.2	0.5	12	13	42	2.60
CC87425		0.32	0.003	0.5	1.43	28	<10	210	0.6	<2	0.50	<0.5	12	26	31	3.34
CC87426		0.16	0.001	0.3	1.02	14	<10	120	0.6	<2	1.05	0.7	16	17	43	3.69
CC87427		0.30	0.003	0.2	0.66	17	<10	120	0.6	<2	0.58	0.9	20	11	51	3.93
CC87428		0.24	<0.001	0.4	0.64	18	<10	120	0.7	5	1.86	1.1	14	11	48	4.82
CC87429		0.24	0.002	0.4	0.70	20	<10	100	0.6	2	0.76	0.8	24	15	91	4.53
CC87430		0.24	0.002	0.2	0.71	14	<10	100	0.6	<2	0.39	<0.5	20	13	37	4.81
CC87431		0.24	0.003	0.3	0.88	16	<10	120	0.6	<2	0.42	0.5	19	22	45	4.89
CC87432		0.18	0.006	<0.2	1.23	12	<10	410	<0.5	<2	0.60	1.2	16	27	19	4.70
CC87433		0.28	0.001	<0.2	1.04	14	<10	180	0.5	<2	0.21	<0.5	13	25	27	3.68
CC87434		0.28	0.004	<0.2	1.02	11	<10	200	0.5	<2	0.21	<0.5	10	22	22	3.42
CC87435		0.26	0.002	<0.2	0.91	12	<10	170	0.5	<2	0.14	<0.5	13	21	30	4.17
CC87436		0.22	0.002	<0.2	1.18	10	<10	250	<0.5	<2	0.59	0.6	10	22	18	3.39
CC87437		0.28	0.001	0.2	0.92	14	<10	180	<0.5	<2	0.44	<0.5	17	16	35	4.11
CC87438		0.22	0.005	0.6	1.39	16	<10	120	0.5	<2	0.55	<0.5	16	27	35	4.41
CC87439		0.28	0.002	0.2	1.13	12	<10	150	<0.5	<2	0.54	<0.5	16	27	28	4.05
CC87440		0.34	0.005	0.2	1.52	15	<10	210	0.5	<2	0.42	<0.5	15	32	24	4.42
CC87441		0.16	<0.001	<0.2	4.40	2	<10	90	1.2	<2	1.44	<0.5	31	44	22	7.80
CC87442		0.30	<0.001	<0.2	4.75	<2	<10	90	1.2	<2	1.06	<0.5	33	21	16	8.72
CC87443		0.16	0.002	<0.2	2.55	6	<10	160	1.1	<2	1.35	<0.5	19	60	54	4.28
CC87444		0.28	0.002	<0.2	1.94	7	<10	170	0.6	<2	0.44	<0.5	14	29	25	3.48
CC87445		0.18	0.003	<0.2	2.37	9	<10	200	0.8	<2	0.72	<0.5	16	33	30	4.49
CC87446		0.24	0.003	0.2	2.85	7	<10	240	1.0	<2	0.87	<0.5	20	23	31	5.26
CC87447		0.14	0.001	<0.2	2.01	7	<10	210	0.6	<2	0.35	<0.5	11	29	19	3.70
CC87448		0.14	0.003	<0.2	2.16	11	<10	190	0.6	<2	0.38	0.6	12	28	19	4.09
CC87449		0.12	0.002	<0.2	2.32	9	<10	220	0.6	<2	0.35	<0.5	13	41	26	4.23
CC87450		0.14	0.001	<0.2	3.99	4	<10	170	0.8	<2	1.19	<0.5	34	119	41	6.79
CC87451		0.18	0.002	<0.2	2.12	9	<10	280	0.6	<2	0.20	<0.5	10	27	25	3.42
CC87452		0.16	<0.001	16.0	0.28	<2	<10	40	<0.5	<2	0.17	<0.5	<1	1	25	0.63
CC87453		0.16	<0.001	<0.2	1.10	23	<10	160	0.6	<2	1.17	<0.5	8	13	5	4.26
CC87454		0.16	0.005	<0.2	1.78	6	<10	170	0.7	<2	1.47	<0.5	10	17	11	3.62
CC87455		0.20	0.001	<0.2	2.02	7	<10	200	0.8	<2	0.56	<0.5	12	24	14	4.06
CC87456		0.12	0.001	0.2	2.48	5	<10	190	0.7	<2	0.71	<0.5	20	43	21	4.93
CC87457		0.14	0.004	<0.2	2.34	7	<10	160	0.6	<2	0.66	<0.5	18	35	14	5.12
CC87458		0.20	<0.001	<0.2	2.16	5	<10	130	0.6	<2	0.54	<0.5	14	28	17	4.01
CC87459		0.14	0.004	<0.2	2.15	4	<10	120	0.6	<2	0.83	<0.5	18	34	22	4.19
CC87460		0.18	0.001	0.2	2.11	14	<10	250	0.8	<2	0.94	<0.5	12	28	17	3.70

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Project: RAU (Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10086249

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC87421		<10	<1	0.06	10	7.34	1000	1	0.02	12	580	73	0.08	6	1	120
CC87422		<10	<1	0.12	10	4.87	1310	2	0.02	17	830	193	0.09	17	2	89
CC87423		<10	<1	0.04	<10	8.57	1025	2	0.02	8	470	60	0.06	15	1	70
CC87424		<10	<1	0.07	10	5.92	1555	2	0.02	20	820	81	0.07	11	2	52
CC87425		<10	<1	0.09	20	0.51	1055	1	0.01	26	760	46	0.04	4	4	26
CC87426		<10	1	0.17	10	0.31	2770	1	0.01	15	1300	83	0.12	2	2	40
CC87427		<10	<1	0.15	20	0.21	4140	1	0.01	19	1140	80	0.08	3	3	25
CC87428		<10	<1	0.11	20	0.54	6040	<1	0.01	17	1260	129	0.12	5	2	39
CC87429		<10	1	0.12	20	0.30	4560	1	0.01	40	1120	124	0.08	2	3	32
CC87430		<10	1	0.21	10	0.16	5760	<1	0.01	18	960	26	0.06	<2	3	19
CC87431		<10	1	0.16	20	0.34	4570	<1	0.01	25	770	33	0.05	<2	4	23
CC87432		<10	1	0.13	10	0.27	7260	1	0.02	14	1470	67	0.12	<2	2	27
CC87433		<10	<1	0.13	10	0.28	2770	1	0.01	18	920	19	0.06	<2	1	14
CC87434		<10	<1	0.15	20	0.21	2320	1	0.01	14	860	18	0.05	<2	1	14
CC87435		<10	<1	0.13	20	0.24	3140	1	0.01	18	620	31	0.04	2	2	11
CC87436		<10	<1	0.11	10	0.28	2670	<1	<0.01	13	620	21	0.05	<2	2	19
CC87437		<10	<1	0.14	10	0.15	3090	3	0.02	20	860	33	0.07	3	1	16
CC87438		<10	1	0.12	20	0.44	1965	1	0.03	25	870	40	0.05	<2	4	26
CC87439		<10	1	0.11	10	0.38	2440	1	0.02	19	1080	32	0.07	2	2	21
CC87440		<10	<1	0.11	20	0.49	2070	1	0.02	24	920	27	0.05	<2	3	20
CC87441		20	<1	0.09	10	4.02	1295	<1	0.03	21	1910	3	0.07	<2	5	39
CC87442		20	1	0.24	20	4.20	1460	<1	0.03	12	2700	3	0.02	<2	7	57
CC87443		10	<1	0.08	20	1.24	851	<1	0.03	23	1440	8	0.12	<2	3	47
CC87444		10	<1	0.07	10	0.61	537	1	0.02	14	570	12	0.04	<2	2	20
CC87445		10	1	0.06	10	0.98	653	<1	0.02	17	1080	10	0.06	<2	3	28
CC87446		10	<1	0.09	20	1.37	903	<1	0.02	19	1600	9	0.03	<2	4	50
CC87447		10	<1	0.08	10	0.57	600	<1	0.02	14	600	11	0.06	<2	2	20
CC87448		10	1	0.13	10	0.75	532	<1	0.03	18	700	10	0.06	<2	3	23
CC87449		10	<1	0.08	10	0.78	587	<1	0.03	20	730	12	0.05	<2	3	25
CC87450		10	1	0.24	10	3.48	1385	<1	0.03	49	1670	7	0.04	<2	4	37
CC87451		10	1	0.06	10	0.61	769	<1	0.02	15	740	12	0.07	<2	2	17
CC87452		<10	<1	0.02	20	0.18	91	13	<0.01	20	300	87	<0.01	<2	<1	12
CC87453		<10	<1	0.12	30	0.24	627	<1	0.02	13	1310	12	0.08	<2	3	20
CC87454		<10	<1	0.12	20	0.67	573	<1	0.03	12	2230	8	0.08	<2	2	37
CC87455		10	<1	0.22	20	0.77	607	<1	0.03	16	1540	11	0.03	2	2	24
CC87456		10	<1	0.18	10	1.38	1145	<1	0.03	25	1870	11	0.05	<2	3	26
CC87457		10	<1	0.17	10	1.19	874	<1	0.03	22	1610	13	0.04	<2	3	24
CC87458		10	1	0.17	20	0.80	755	<1	0.03	20	2100	10	0.06	<2	2	23
CC87459		10	<1	0.11	20	1.33	911	<1	0.03	20	1800	7	0.05	<2	3	29
CC87460		<10	<1	0.13	30	0.61	678	<1	0.03	19	2070	14	0.06	<2	2	32

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Project: RAU (Grey Copper Hill)

Finalized Date: 12-JUL-2010
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CERTIFICATE OF ANALYSIS VA10086249

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC87421		<20	0.01	<10	<10	15	<10	192
CC87422		<20	0.01	<10	<10	18	<10	311
CC87423		<20	0.01	<10	<10	13	<10	150
CC87424		<20	0.01	<10	<10	24	<10	290
CC87425		<20	0.03	<10	<10	44	<10	173
CC87426		<20	0.01	<10	<10	27	<10	343
CC87427		<20	0.01	<10	<10	19	<10	326
CC87428		<20	0.01	<10	<10	17	<10	436
CC87429		<20	0.02	<10	<10	23	<10	544
CC87430		<20	0.01	<10	<10	17	<10	275
CC87431		<20	0.02	<10	<10	28	<10	237
CC87432		<20	0.03	<10	<10	59	<10	242
CC87433		<20	0.02	<10	<10	38	<10	138
CC87434		<20	0.02	<10	<10	39	<10	92
CC87435		<20	0.02	<10	<10	33	<10	124
CC87436		<20	0.04	<10	<10	52	<10	138
CC87437		<20	0.02	<10	<10	34	<10	134
CC87438		<20	0.03	<10	<10	40	<10	177
CC87439		<20	0.03	<10	<10	43	<10	140
CC87440		<20	0.03	<10	<10	47	<10	127
CC87441		<20	0.45	<10	<10	170	<10	96
CC87442		<20	0.48	<10	<10	170	<10	105
CC87443		<20	0.20	<10	<10	77	<10	64
CC87444		<20	0.13	<10	<10	68	<10	62
CC87445		<20	0.23	<10	<10	85	<10	69
CC87446		<20	0.33	<10	<10	93	<10	92
CC87447		<20	0.19	<10	<10	82	<10	68
CC87448		<20	0.22	<10	<10	76	<10	90
CC87449		<20	0.23	<10	<10	89	<10	66
CC87450		<20	0.57	<10	<10	118	<10	94
CC87451		<20	0.11	<10	<10	68	<10	71
CC87452		<20	0.01	<10	<10	2	<10	9
CC87453		<20	0.01	<10	<10	20	<10	37
CC87454		<20	0.08	<10	<10	36	<10	70
CC87455		<20	0.17	<10	<10	51	<10	86
CC87456		<20	0.33	<10	<10	80	<10	91
CC87457		<20	0.34	<10	<10	73	<10	92
CC87458		<20	0.20	<10	<10	55	<10	110
CC87459		<20	0.27	<10	<10	62	<10	74
CC87460		<20	0.08	<10	<10	49	<10	83

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CERTIFICATE OF ANALYSIS VA10086249

Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
Sample Description LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC87461	0.16	0.002	<0.2	2.04	12	<10	210	0.7	<2	2.76	0.8	12	37	17	3.40
CC87462	0.18	0.001	<0.2	0.95	9	<10	320	<0.5	<2	16.8	<0.5	5	15	9	1.67
CC87463	0.16	0.001	<0.2	1.84	11	<10	210	0.6	<2	2.42	<0.5	10	25	14	3.34
CC87464	0.16	0.004	<0.2	2.00	11	<10	210	0.7	<2	1.24	<0.5	14	31	16	4.56
CC87465	0.14	0.001	<0.2	1.77	8	<10	480	0.5	<2	2.37	<0.5	9	25	13	3.22
CC87466	0.16	0.002	<0.2	1.57	11	<10	240	0.5	<2	1.94	<0.5	10	25	14	3.23
CC87467	0.28	0.002	<0.2	0.91	6	<10	330	<0.5	<2	14.2	<0.5	6	16	11	2.20
CC87468	0.16	0.004	0.2	1.46	7	<10	230	<0.5	<2	4.63	<0.5	8	24	14	2.48
CC87469	0.12	0.051	<0.2	1.12	14	<10	240	<0.5	<2	3.71	<0.5	9	21	14	2.46
CC87470	0.16	0.001	<0.2	1.61	2	<10	490	0.6	<2	0.53	0.9	12	20	15	3.98
CC87471	0.22	0.003	<0.2	2.17	6	<10	260	1.1	<2	0.67	<0.5	15	29	32	4.19
CC87472	0.34	0.001	<0.2	2.94	5	<10	140	0.8	<2	0.95	<0.5	26	67	49	5.70
CC87473	0.28	0.002	<0.2	2.39	5	<10	160	0.7	<2	0.88	<0.5	20	41	25	4.82
CC87474	0.18	0.001	<0.2	2.53	9	<10	150	0.6	<2	1.54	<0.5	24	71	32	4.73
CC87475	0.22	0.001	<0.2	2.28	5	<10	110	0.5	<2	1.70	<0.5	23	108	26	4.14
CC87476	0.18	0.001	<0.2	3.09	7	<10	170	1.1	<2	1.16	<0.5	23	53	41	6.09
CC87477	0.22	0.002	<0.2	4.27	2	<10	220	1.2	<2	1.54	<0.5	33	41	20	8.06
CC87478	0.30	0.001	<0.2	4.81	2	<10	430	1.5	<2	1.15	<0.5	46	158	58	9.26
CC87479	0.28	<0.001	<0.2	4.76	3	<10	380	1.2	<2	1.26	<0.5	42	179	44	8.87
CC87480	0.22	0.001	<0.2	4.15	<2	<10	310	1.1	<2	1.18	<0.5	38	100	25	7.90
CC87481	0.18	NSS	0.2	3.00	3	<10	150	0.9	<2	0.63	0.5	27	56	21	6.54
CC87482	0.14	0.002	0.2	3.62	5	<10	240	0.9	<2	1.89	1.5	32	111	33	6.58
CC87483	0.28	0.003	0.2	3.91	6	<10	270	1.0	<2	1.02	<0.5	35	131	33	7.32
CC87484	0.26	0.008	0.4	2.08	15	<10	200	0.7	<2	0.64	1.6	18	62	41	3.97
CC87485	0.30	0.002	0.7	1.97	20	<10	280	0.7	<2	0.51	1.2	11	44	41	3.12
CC87486	0.20	0.004	0.9	1.84	40	<10	470	1.1	<2	1.18	4.8	14	34	42	4.11
CC87487	0.20	0.004	0.5	1.30	18	<10	240	0.6	<2	5.34	1.5	8	22	21	2.53
CC87488	0.26	0.003	0.7	1.75	20	<10	300	0.6	<2	0.86	1.3	12	33	26	3.51
CC87489	0.26	0.004	0.7	1.60	23	<10	220	0.7	<2	2.26	1.2	13	31	30	3.52
CC87490	0.16	0.002	0.4	1.36	14	<10	180	0.5	<2	7.9	1.3	7	23	13	2.50
CC87491	0.12	0.004	<0.2	2.18	8	<10	230	0.7	<2	1.76	<0.5	16	40	44	3.81
CC87492	0.14	0.002	<0.2	2.20	5	<10	210	0.7	<2	1.54	<0.5	16	47	42	3.90
CC87493	0.20	0.002	<0.2	2.79	5	<10	150	0.8	<2	1.14	<0.5	25	93	38	5.08
CC87494	0.24	0.003	<0.2	4.47	3	<10	210	1.3	<2	1.57	<0.5	36	72	23	8.57
CC87495	0.24	0.001	0.2	4.58	4	<10	300	1.3	<2	1.27	<0.5	40	166	37	8.47
CC87496	0.20	0.001	0.2	4.58	2	<10	200	0.7	<2	1.18	<0.5	46	454	66	6.50
CC87497	0.20	0.002	<0.2	4.89	<2	<10	290	1.2	<2	1.42	<0.5	40	182	38	8.97
CC87498	0.14	0.001	<0.2	4.23	4	<10	370	1.2	<2	1.48	<0.5	39	136	39	8.12
CC87499	0.20	0.001	0.2	3.68	8	<10	220	0.8	<2	1.01	<0.5	35	212	33	6.49
CC87500	0.20	0.003	0.6	2.27	15	<10	290	0.9	<2	1.40	1.1	16	54	26	3.84

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 12-JUL-2010
Account: RCM

Project: RAU (Grey Copper Hill)

CERTIFICATE OF ANALYSIS VA10086249

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC87461		<10	1	0.13	20	0.62	684	<1	0.04	28	1120	14	0.10	<2	2	38
CC87462		<10	1	0.11	<10	1.54	277	1	0.04	13	1000	6	<0.01	<2	1	179
CC87463		<10	<1	0.12	20	0.51	760	<1	0.03	19	1650	12	0.14	<2	2	35
CC87464		<10	1	0.19	30	0.59	632	<1	0.03	25	1490	11	0.08	<2	4	27
CC87465		<10	1	0.16	10	0.41	820	<1	0.04	16	1650	10	0.12	<2	2	35
CC87466		<10	1	0.12	10	0.54	545	<1	0.04	20	880	15	0.10	<2	2	30
CC87467		<10	<1	0.09	10	1.43	295	<1	0.04	16	650	8	0.06	<2	1	104
CC87468		<10	1	0.09	10	0.92	623	<1	0.03	16	1030	13	0.12	<2	1	34
CC87469		<10	<1	0.14	20	0.28	527	<1	0.03	15	1770	10	0.32	<2	1	52
CC87470		10	<1	0.21	10	0.50	1435	<1	0.05	12	1050	12	0.08	<2	2	40
CC87471		10	1	0.28	20	0.83	961	<1	0.04	18	1450	17	0.04	<2	3	35
CC87472		10	1	0.24	20	2.15	1060	<1	0.03	33	1860	8	0.02	<2	3	39
CC87473		10	<1	0.14	10	1.73	903	<1	0.03	25	1740	8	0.02	<2	3	42
CC87474		10	<1	0.13	10	1.80	885	<1	0.03	30	1330	6	0.06	<2	3	34
CC87475		10	<1	0.10	10	1.93	822	<1	0.03	34	1460	5	0.05	<2	3	34
CC87476		10	1	0.29	10	1.56	943	<1	0.03	20	1640	9	0.08	<2	4	38
CC87477		10	<1	0.73	10	3.90	1375	<1	0.03	20	2590	<2	0.02	<2	7	53
CC87478		20	<1	0.89	10	5.95	1480	<1	0.03	77	2300	2	0.02	<2	10	89
CC87479		20	1	0.99	10	6.16	1310	<1	0.02	85	2180	<2	0.03	<2	6	88
CC87480		10	<1	0.48	10	4.36	1385	<1	0.02	47	1760	3	0.06	<2	5	69
CC87481		10	<1	0.31	10	2.18	1215	<1	0.03	25	1180	10	0.08	<2	3	41
CC87482		10	1	0.19	10	3.18	1145	2	0.03	73	1360	7	0.08	<2	5	64
CC87483		10	<1	0.43	10	4.23	1190	3	0.02	67	1490	8	0.03	<2	6	64
CC87484		10	<1	0.15	10	1.21	666	24	0.03	64	1030	17	0.02	<2	4	29
CC87485		10	1	0.16	10	0.66	440	28	0.02	51	750	23	0.04	4	3	24
CC87486		<10	<1	0.19	20	0.64	2710	27	0.02	69	2200	76	0.11	3	3	31
CC87487		<10	1	0.09	10	3.81	986	8	0.03	26	900	67	0.06	2	2	43
CC87488		<10	<1	0.09	10	0.64	878	12	0.02	35	1100	89	0.05	4	3	22
CC87489		<10	<1	0.10	20	1.64	1150	11	0.03	43	1150	102	0.04	2	3	30
CC87490		<10	<1	0.09	10	4.91	1100	5	0.03	17	990	40	0.06	<2	2	40
CC87491		10	<1	0.11	10	1.25	811	<1	0.03	22	1500	8	0.07	<2	3	35
CC87492		10	<1	0.13	20	1.27	735	<1	0.03	24	1390	7	0.06	<2	3	31
CC87493		10	<1	0.10	10	1.80	924	<1	0.03	35	1400	7	0.04	<2	3	42
CC87494		10	<1	0.62	10	4.28	1340	<1	0.03	30	2060	3	0.03	<2	7	51
CC87495		10	<1	0.52	10	5.47	1325	<1	0.03	71	2230	2	0.02	<2	9	77
CC87496		10	<1	0.41	10	6.63	1060	<1	0.02	250	1570	3	0.01	<2	4	59
CC87497		20	1	0.83	10	5.83	1355	<1	0.03	87	2460	2	0.03	<2	6	89
CC87498		10	<1	0.54	10	5.03	1310	1	0.03	68	1720	9	0.07	<2	5	76
CC87499		10	<1	0.13	10	3.70	997	1	0.02	111	1100	6	0.03	<2	5	42
CC87500		10	<1	0.16	20	1.54	843	8	0.03	50	1390	24	0.06	<2	4	34

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU (Grey Copper Hill)

Finalized Date: 12-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10086249

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC87461		<20	0.02	<10	<10	52	<10	149
CC87462		<20	0.01	<10	<10	19	<10	38
CC87463		<20	0.02	<10	<10	41	<10	73
CC87464		<20	0.05	<10	<10	45	<10	71
CC87465		<20	0.03	<10	<10	43	<10	77
CC87466		<20	0.03	<10	<10	43	<10	77
CC87467		<20	0.02	<10	<10	26	<10	60
CC87468		<20	0.02	<10	<10	39	<10	131
CC87469		<20	0.01	<10	<10	18	<10	34
CC87470		<20	0.23	<10	<10	72	<10	74
CC87471		<20	0.21	<10	<10	58	<10	77
CC87472		<20	0.45	<10	<10	98	<10	89
CC87473		<20	0.42	<10	<10	80	<10	89
CC87474		<20	0.32	<10	<10	101	<10	76
CC87475		<20	0.32	<10	<10	85	<10	67
CC87476		<20	0.34	<10	<10	100	<10	100
CC87477		<20	0.86	<10	<10	158	<10	96
CC87478		<20	0.53	<10	<10	210	<10	101
CC87479		<20	0.49	<10	<10	194	<10	98
CC87480		<20	0.44	<10	<10	166	<10	102
CC87481		<20	0.41	<10	<10	118	<10	104
CC87482		<20	0.39	<10	<10	151	<10	193
CC87483		<20	0.49	<10	<10	172	<10	134
CC87484		<20	0.22	<10	<10	161	<10	313
CC87485		<20	0.08	<10	<10	324	<10	391
CC87486		<20	0.03	<10	<10	179	<10	581
CC87487		<20	0.03	<10	<10	79	<10	244
CC87488		<20	0.04	<10	<10	100	<10	285
CC87489		<20	0.04	<10	<10	85	<10	287
CC87490		<20	0.04	<10	<10	52	<10	250
CC87491		<20	0.12	<10	<10	82	<10	77
CC87492		<20	0.17	<10	<10	83	<10	75
CC87493		<20	0.37	<10	<10	94	<10	80
CC87494		<20	0.83	<10	<10	175	<10	104
CC87495		<20	0.58	<10	<10	196	<10	101
CC87496		<20	0.56	<10	<10	132	<10	81
CC87497		<20	0.67	<10	<10	189	<10	103
CC87498		<20	0.34	<10	<10	190	<10	153
CC87499		<20	0.47	<10	<10	154	<10	141
CC87500		<20	0.13	<10	<10	159	<10	276

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU (Grey Copper Hill)

Finalized Date: 12-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10086249

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non-sufficient sample.

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Finalized Date: 12-JUL-2010
Account: RCM

CERTIFICATE VA10086505

Project: RAU

P.O. No.: MH

This report is for 210 Soil samples submitted to our lab in Vancouver, BC, Canada on 29-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-31	Pulverize split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
SCR-43	Screen to -500um, discard plus
SCR-01	Screen - Save plus fraction

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10086505

Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
Sample Description LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC92558	0.30	0.004	0.9	0.59	23	<10	160	0.5	<2	13.3	2.7	17	15	17	3.69
CC92559	0.30	0.002	0.2	0.39	17	<10	90	<0.5	<2	14.5	<0.5	8	17	13	2.55
CC92560	0.34	0.003	<0.2	0.92	6	<10	50	<0.5	<2	20.6	<0.5	14	17	10	3.11
CC92561	0.30	0.001	<0.2	0.47	7	<10	30	<0.5	2	23.7	<0.5	10	12	13	2.53
CC92562	0.24	0.001	<0.2	0.22	7	<10	40	<0.5	<2	>25.0	<0.5	2	4	3	0.88
CC92563	0.30	0.002	1.2	0.53	14	<10	100	<0.5	<2	17.0	1.6	12	10	16	3.35
CC92564	0.36	0.005	0.2	0.49	21	<10	280	<0.5	<2	20.4	<0.5	3	9	9	1.24
CC92565	0.32	<0.001	<0.2	0.30	7	<10	60	<0.5	<2	>25.0	<0.5	1	4	5	0.81
CC92566	0.40	0.001	0.2	0.09	5	<10	50	<0.5	3	>25.0	<0.5	1	1	5	0.24
CC92567	0.40	0.001	0.4	0.35	6	<10	70	<0.5	2	>25.0	<0.5	2	5	7	0.68
CC92568	0.42	0.004	<0.2	0.06	<2	<10	30	<0.5	<2	>25.0	<0.5	<1	1	1	0.13
CC92569	0.28	0.001	0.4	0.94	6	<10	120	<0.5	4	18.3	0.5	5	13	12	1.49
CC92570	0.32	0.001	0.5	0.50	2	<10	70	<0.5	2	25.0	<0.5	2	7	6	0.73
CC92571	0.32	0.003	0.5	0.62	12	<10	170	<0.5	4	22.5	1.5	4	10	13	1.23
CC92572	0.30	0.004	0.3	1.37	13	<10	220	0.7	3	1.86	0.5	8	21	16	2.71
CC92573	0.46	0.006	0.5	0.24	12	<10	90	<0.5	3	15.3	0.7	3	7	7	0.80
CC92574	0.32	0.028	0.5	0.38	22	<10	90	<0.5	4	14.7	0.7	3	10	9	1.24
CC92575	0.24	0.008	0.2	0.58	17	<10	90	<0.5	4	13.6	<0.5	4	11	9	1.34
CC92576	0.32	0.022	0.7	1.03	32	<10	130	0.5	5	6.4	0.9	8	20	17	2.48
CC92577	0.44	0.170	1.8	0.70	97	<10	200	<0.5	26	11.7	2.7	9	15	30	2.95
CC92578	0.28	1.025	7.3	0.67	547	<10	290	<0.5	82	8.8	5.3	15	19	55	8.51
CC92579	0.30	0.064	2.0	0.65	49	<10	360	<0.5	9	10.4	1.8	9	17	27	2.31
CC92580	0.30	0.186	2.7	1.50	41	<10	720	0.7	8	0.94	1.7	9	28	22	3.36
CC92581	0.26	0.018	3.0	0.27	20	<10	290	<0.5	4	16.1	5.6	2	4	12	1.21
CC92582	0.30	0.015	<0.2	0.49	23	<10	100	0.5	4	12.5	<0.5	3	9	8	1.16
CC92583	0.32	0.016	0.4	0.51	56	<10	100	0.5	2	12.8	<0.5	5	11	16	1.56
CC92584	0.26	0.041	1.5	0.59	59	<10	370	<0.5	9	13.7	0.8	4	9	40	1.45
CC92585	0.34	0.036	2.1	0.35	73	<10	560	<0.5	10	14.2	1.6	15	10	37	3.11
CC92586	0.28	0.018	3.2	0.31	57	<10	1910	<0.5	9	15.6	3.0	10	9	41	2.44
CC92587	0.34	0.002	0.2	0.32	19	<10	70	<0.5	2	12.0	<0.5	8	6	16	1.99
CC92588	0.42	<0.001	0.3	0.61	29	<10	70	<0.5	3	21.2	0.5	13	17	19	2.85
CC92589	0.38	0.006	0.3	0.59	30	<10	90	<0.5	4	17.8	0.8	14	14	18	3.30
CC92590	0.32	0.002	0.7	0.25	21	<10	70	<0.5	3	16.4	1.5	7	10	14	2.07
CC92591	0.32	0.002	0.7	0.49	18	<10	410	<0.5	4	15.1	1.5	13	13	14	3.23
CC92592	0.32	0.067	0.4	0.92	9	<10	90	<0.5	4	11.3	1.1	18	19	18	3.99
CC92593	0.38	<0.001	<0.2	0.38	7	<10	60	<0.5	2	22.7	<0.5	12	8	10	2.85
CC92594	0.36	<0.001	0.2	0.44	5	<10	180	<0.5	2	22.0	0.5	9	11	12	1.60
CC92595	0.36	<0.001	<0.2	0.04	2	<10	40	<0.5	3	>25.0	<0.5	1	1	<1	0.18
CC92596	0.30	0.002	0.3	0.87	14	<10	240	<0.5	4	14.1	<0.5	6	15	16	2.01
CC92597	0.38	0.001	0.2	0.17	4	<10	60	<0.5	2	>25.0	<0.5	1	3	3	0.30

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ALS Chemex
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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 12-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10086505

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC92558		<10	<1	0.20	20	6.90	2100	1	0.03	44	1030	153	0.07	2	4	115
CC92559		<10	1	0.11	10	8.66	321	1	0.02	22	770	18	0.08	<2	2	53
CC92560		<10	1	0.15	10	1.33	462	<1	0.02	30	930	26	<0.01	<2	4	811
CC92561		<10	<1	0.14	10	0.79	360	<1	0.02	25	610	10	<0.01	<2	3	1210
CC92562		<10	1	0.05	<10	0.38	397	<1	0.02	5	390	8	<0.01	<2	1	300
CC92563		<10	1	0.10	10	1.07	624	1	0.02	33	580	133	<0.01	<2	2	145
CC92564		<10	<1	0.07	10	5.33	1105	1	0.02	15	380	40	<0.01	<2	1	135
CC92565		<10	1	0.03	<10	1.38	328	1	0.02	3	360	28	<0.01	<2	<1	145
CC92566		<10	<1	0.02	<10	0.30	103	<1	0.01	4	110	9	<0.01	<2	<1	130
CC92567		<10	<1	0.03	<10	0.93	437	<1	0.01	4	340	53	<0.01	<2	1	127
CC92568		<10	<1	0.01	<10	0.21	131	<1	0.01	<1	90	5	<0.01	<2	<1	184
CC92569		<10	<1	0.07	10	0.37	416	<1	0.02	12	660	29	<0.01	<2	1	75
CC92570		<10	<1	0.04	<10	0.84	336	<1	0.01	6	460	22	<0.01	<2	1	107
CC92571		<10	<1	0.05	10	2.18	950	<1	0.02	11	570	165	<0.01	2	1	111
CC92572		<10	<1	0.12	10	0.43	725	<1	0.01	19	930	31	0.12	<2	2	23
CC92573		<10	<1	0.02	10	9.67	907	<1	0.02	7	440	70	0.03	<2	1	52
CC92574		<10	<1	0.03	10	9.29	828	<1	0.02	11	560	81	0.04	2	1	52
CC92575		<10	<1	0.04	10	8.53	937	1	0.02	11	770	41	0.07	<2	1	55
CC92576		<10	<1	0.05	10	3.94	959	1	0.02	24	920	117	0.08	<2	1	31
CC92577		<10	<1	0.05	10	7.40	2230	<1	0.02	32	1130	598	0.04	6	2	51
CC92578		<10	<1	0.07	10	5.37	2590	6	0.02	79	1550	1405	0.10	17	2	40
CC92579		<10	<1	0.08	10	6.42	1180	<1	0.02	28	930	833	0.11	5	2	39
CC92580		<10	<1	0.08	20	0.54	1415	<1	0.02	24	940	788	0.10	3	2	15
CC92581		<10	<1	0.02	<10	10.15	2470	<1	0.02	7	430	734	0.05	9	<1	53
CC92582		<10	<1	0.04	10	7.55	652	<1	0.02	6	1030	51	0.11	<2	<1	47
CC92583		<10	<1	0.05	10	7.91	555	<1	0.02	17	1320	52	0.09	3	1	49
CC92584		<10	<1	0.04	10	8.19	994	<1	0.02	11	3790	489	0.10	26	<1	54
CC92585		<10	<1	0.07	10	8.77	978	<1	0.02	72	2310	624	0.08	14	1	76
CC92586		<10	<1	0.07	10	9.66	1015	<1	0.02	43	1700	769	0.09	14	1	75
CC92587		<10	<1	0.14	20	0.45	223	<1	0.01	28	1470	23	0.06	<2	1	113
CC92588		<10	<1	0.19	10	0.70	278	<1	0.01	47	1160	39	<0.01	<2	3	237
CC92589		<10	<1	0.17	20	1.54	633	<1	0.01	45	1170	55	<0.01	<2	3	186
CC92590		<10	<1	0.08	10	8.52	598	<1	0.02	22	700	130	0.05	2	2	91
CC92591		<10	1	0.16	10	6.97	977	<1	0.01	35	840	168	0.08	2	3	152
CC92592		<10	<1	0.19	20	6.23	728	<1	0.01	46	1070	65	0.06	<2	4	113
CC92593		<10	<1	0.10	10	3.52	367	<1	0.01	31	560	18	<0.01	<2	3	754
CC92594		<10	<1	0.21	10	0.60	537	<1	0.01	26	920	76	<0.01	<2	1	127
CC92595		<10	<1	0.01	<10	0.67	150	<1	0.01	<1	60	3	<0.01	2	<1	164
CC92596		<10	<1	0.08	10	0.80	441	<1	0.02	19	450	36	0.05	<2	2	75
CC92597		<10	<1	0.02	<10	0.98	337	<1	0.02	1	220	28	<0.01	<2	<1	161

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Project: RAU

Finalized Date: 12-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10086505

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC92558		<20	0.01	<10	<10	18	<10	525
CC92559		<20	0.01	<10	<10	17	<10	74
CC92560		<20	0.01	<10	<10	12	<10	99
CC92561		<20	0.01	<10	<10	9	<10	75
CC92562		<20	0.01	<10	<10	5	<10	53
CC92563		<20	0.01	<10	<10	13	<10	1035
CC92564		<20	0.01	<10	<10	44	<10	197
CC92565		<20	0.01	<10	<10	9	<10	177
CC92566		<20	<0.01	<10	<10	<1	<10	36
CC92567		<20	0.01	<10	<10	5	<10	192
CC92568		<20	<0.01	<10	<10	<1	<10	23
CC92569		<20	0.02	<10	<10	21	<10	127
CC92570		<20	0.01	<10	<10	9	<10	105
CC92571		<20	0.01	<10	<10	12	<10	409
CC92572		<20	0.01	<10	<10	36	<10	93
CC92573		<20	0.01	<10	<10	23	<10	261
CC92574		<20	0.01	<10	<10	31	<10	303
CC92575		<20	0.01	<10	<10	44	<10	121
CC92576		<20	0.02	<10	<10	55	<10	287
CC92577		<20	0.02	<10	<10	37	10	704
CC92578		<20	0.01	<10	<10	49	70	2540
CC92579		<20	0.01	<10	10	37	10	577
CC92580		<20	0.03	<10	<10	66	<10	429
CC92581		<20	0.01	<10	<10	10	<10	1280
CC92582		<20	0.01	<10	<10	22	<10	129
CC92583		<20	0.01	<10	<10	28	<10	116
CC92584		<20	0.01	<10	10	36	<10	362
CC92585		<20	0.01	<10	10	23	<10	880
CC92586		<20	0.01	<10	<10	18	10	893
CC92587		<20	<0.01	<10	<10	6	<10	95
CC92588		<20	0.01	<10	<10	9	<10	276
CC92589		<20	0.01	<10	<10	11	<10	441
CC92590		<20	<0.01	<10	<10	8	<10	489
CC92591		<20	0.01	<10	<10	11	<10	529
CC92592		<20	0.01	<10	<10	16	<10	275
CC92593		<20	<0.01	<10	<10	4	<10	107
CC92594		<20	0.02	<10	<10	4	<10	141
CC92595		<20	<0.01	<10	<10	<1	<10	14
CC92596		<20	0.02	<10	<10	24	<10	184
CC92597		<20	<0.01	<10	<10	1	<10	159

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10086505

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC92598		0.36	0.001	<0.2	0.16	2	<10	50	<0.5	2	>25.0	<0.5	1	2	2	0.23
CC92599		0.32	<0.001	0.2	0.08	4	<10	30	<0.5	2	>25.0	<0.5	<1	1	<1	0.11
CC92600		0.36	0.002	0.3	0.14	7	<10	90	<0.5	<2	>25.0	0.7	1	2	4	0.34
CC92601		0.32	0.001	0.7	0.17	3	<10	30	<0.5	3	>25.0	<0.5	1	2	1	0.23
CC92602		0.34	<0.001	<0.2	0.16	8	<10	40	<0.5	<2	>25.0	<0.5	1	2	2	0.26
CC92603		0.26	0.002	0.6	1.04	10	<10	240	<0.5	<2	6.75	0.7	9	16	21	1.88
CC92604		0.24	0.002	1.3	0.98	15	<10	1330	0.5	<2	5.56	5.2	9	14	19	2.74
CC92605		0.30	0.003	1.2	0.21	20	<10	90	<0.5	<2	16.5	2.1	9	6	12	2.05
CC92606		0.24	<0.001	0.5	0.86	20	<10	70	<0.5	<2	3.12	0.8	17	17	25	3.61
CC92607		0.32	0.011	0.5	0.71	30	<10	110	<0.5	<2	5.61	0.6	24	14	41	5.18
CC92608		0.30	<0.001	0.5	0.61	17	<10	60	<0.5	<2	11.3	<0.5	14	15	15	3.17
CC92609		0.26	0.001	0.2	0.61	14	<10	50	<0.5	<2	16.9	<0.5	10	13	12	2.02
CC92610		0.22	<0.001	0.3	0.32	12	<10	40	<0.5	<2	6.77	<0.5	10	12	21	2.28
CC92611		0.30	0.002	<0.2	1.33	6	<10	190	<0.5	<2	2.31	<0.5	74	51	148	8.87
CC92612		0.30	0.008	0.7	0.38	41	<10	70	<0.5	3	16.1	0.7	3	9	5	1.29
CC92613		0.32	0.335	3.2	0.20	752	<10	50	<0.5	116	14.5	2.1	<1	6	9	10.85
CC92614		0.28	0.039	0.5	0.15	30	<10	50	<0.5	<2	17.6	1.1	2	2	<1	0.83
CC92615		0.36	0.427	1.1	0.12	220	<10	40	<0.5	15	17.4	<0.5	1	2	<1	2.90
CC92616		0.40	0.027	2.2	0.08	52	<10	400	<0.5	2	19.3	10.1	1	2	2	1.66
CC92617		0.34	0.029	0.3	0.25	17	<10	30	<0.5	<2	17.4	<0.5	2	4	1	0.90
CC92618		0.24	0.014	0.8	0.68	28	<10	130	<0.5	<2	11.4	1.2	7	13	11	1.87
CC92619		0.34	0.010	0.7	0.46	19	<10	60	<0.5	<2	14.9	<0.5	4	10	7	1.19
CC92620		0.22	0.011	0.6	0.68	17	<10	80	<0.5	<2	11.0	0.8	5	13	7	1.43
CC92621		0.26	0.009	1.0	0.33	35	<10	60	<0.5	<2	13.4	0.8	7	8	8	2.03
CC92622		0.34	0.005	0.6	0.33	19	<10	80	<0.5	<2	14.7	0.6	3	10	4	1.10
CC92623		0.32	0.011	0.5	0.92	18	<10	130	<0.5	<2	6.20	0.6	8	20	13	2.32
CC92624		0.28	0.002	0.3	0.15	9	<10	70	<0.5	<2	16.0	<0.5	1	6	<1	0.40
CC92625		0.30	0.003	0.5	0.45	16	<10	100	<0.5	<2	13.4	0.7	4	10	4	1.17
CC92626		0.26	0.009	0.7	0.72	25	<10	70	<0.5	<2	10.4	0.5	7	15	10	1.95
CC92627		0.22	0.012	0.4	0.78	27	<10	100	<0.5	2	9.7	<0.5	7	17	11	2.12
CC92628		0.34	0.011	1.0	0.64	19	<10	210	<0.5	<2	12.5	2.2	5	12	10	1.57
CC92629		0.38	0.101	1.4	0.26	39	<10	130	<0.5	<2	13.0	<0.5	11	9	18	2.19
CC92630		0.36	0.347	0.4	0.72	30	<10	80	<0.5	2	11.7	0.5	6	12	9	1.90
CC92631		0.16	0.038	0.3	1.09	28	<10	110	<0.5	2	7.6	<0.5	7	19	12	2.55
CC92632		0.30	0.043	0.7	0.64	21	<10	90	<0.5	2	12.6	<0.5	5	12	8	1.49
CC92633		0.28	0.017	0.5	0.42	17	<10	120	<0.5	<2	13.7	<0.5	4	11	7	0.95
CC92634		0.26	<0.001	0.4	1.19	17	<10	130	0.5	<2	4.32	<0.5	7	20	12	2.12
CC92635		0.24	0.020	0.3	1.51	27	<10	170	0.6	<2	3.24	<0.5	11	27	17	2.84
CC92636		0.26	0.012	0.3	0.56	34	<10	70	<0.5	<2	14.1	<0.5	7	11	11	1.72
CC92637		0.28	0.009	<0.2	0.36	14	<10	40	<0.5	<2	17.8	<0.5	4	8	6	0.95

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CERTIFICATE OF ANALYSIS VA10086505

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC92598		<10	<1	0.01	<10	0.92	202	<1	0.01	1	190	25	<0.01	<2	<1	131
CC92599		<10	<1	0.01	<10	0.38	127	<1	0.01	<1	100	7	<0.01	<2	<1	125
CC92600		<10	<1	0.02	<10	1.28	627	<1	0.01	2	170	92	<0.01	<2	<1	138
CC92601		<10	<1	0.02	<10	0.41	138	<1	0.01	<1	240	4	<0.01	<2	<1	109
CC92602		<10	<1	0.02	<10	0.60	146	<1	0.01	2	190	13	<0.01	<2	<1	155
CC92603		<10	<1	0.12	10	0.59	640	<1	0.03	24	1010	90	0.19	<2	1	45
CC92604		<10	1	0.10	10	2.07	2290	1	0.07	20	800	1050	0.12	2	2	52
CC92605		<10	1	0.04	10	9.64	1120	<1	0.03	25	460	227	0.05	6	1	73
CC92606		<10	<1	0.18	40	1.11	677	<1	0.02	55	1560	57	0.09	<2	4	30
CC92607		<10	<1	0.18	20	0.58	616	1	0.02	80	1270	91	0.11	2	3	70
CC92608		<10	<1	0.17	20	0.73	438	<1	0.02	47	1170	44	0.10	<2	3	282
CC92609		<10	<1	0.17	10	0.86	206	<1	0.02	31	790	15	<0.01	<2	2	197
CC92610		<10	<1	0.13	10	0.21	159	<1	0.02	27	1010	29	0.04	<2	2	59
CC92611		<10	<1	0.15	20	1.04	1760	<1	0.02	179	1720	19	0.10	2	6	35
CC92612		<10	<1	0.03	<10	9.45	705	<1	0.03	7	1000	192	0.07	2	1	63
CC92613		<10	<1	0.02	<10	8.07	608	<1	0.03	17	660	139	0.06	11	1	53
CC92614		<10	<1	0.03	<10	10.35	923	<1	0.03	4	2350	193	<0.01	<2	1	74
CC92615		<10	1	0.01	<10	10.30	860	<1	0.03	6	1200	14	<0.01	<2	<1	66
CC92616		<10	1	0.01	<10	11.55	4430	4	0.04	7	190	500	<0.01	<2	<1	62
CC92617		<10	<1	0.01	<10	10.35	502	1	0.03	9	270	22	<0.01	<2	1	64
CC92618		<10	<1	0.05	10	6.61	1265	3	0.04	25	850	143	0.09	3	1	49
CC92619		<10	<1	0.03	<10	8.82	837	1	0.03	17	930	83	0.07	2	1	59
CC92620		<10	<1	0.04	10	6.25	851	<1	0.03	12	1360	109	0.13	<2	1	48
CC92621		<10	1	0.04	10	7.86	861	3	0.01	14	1070	149	0.04	2	1	56
CC92622		<10	<1	0.03	<10	8.71	1125	<1	0.03	8	510	96	0.06	2	1	55
CC92623		<10	<1	0.05	10	4.02	849	1	0.03	18	750	101	0.07	<2	1	30
CC92624		<10	<1	0.01	<10	9.50	656	<1	0.03	2	320	41	0.05	<2	<1	39
CC92625		<10	<1	0.03	<10	7.86	1100	1	0.03	10	730	92	0.07	2	1	47
CC92626		<10	<1	0.05	10	6.05	915	2	0.01	19	1130	98	0.05	<2	1	47
CC92627		<10	1	0.05	10	5.64	1010	3	0.04	20	860	96	0.09	<2	1	46
CC92628		<10	<1	0.04	10	7.22	1845	1	0.04	15	1170	206	0.12	2	1	58
CC92629		<10	<1	0.08	<10	7.65	659	1	0.03	29	510	119	0.11	6	2	52
CC92630		<10	<1	0.04	<10	6.95	923	3	0.03	17	670	74	0.08	<2	1	44
CC92631		<10	<1	0.07	10	4.59	795	1	0.03	19	1080	63	0.08	<2	2	37
CC92632		<10	1	0.05	10	7.27	700	<1	0.03	14	2500	110	0.08	<2	1	59
CC92633		<10	<1	0.05	<10	8.03	617	1	0.03	9	930	57	0.08	<2	1	49
CC92634		<10	<1	0.06	10	2.06	1075	2	0.03	18	1650	45	0.17	<2	1	25
CC92635		<10	<1	0.08	10	1.97	741	2	0.03	27	1170	60	0.09	<2	2	24
CC92636		<10	<1	0.06	10	8.17	642	3	0.03	18	2360	70	0.07	2	1	62
CC92637		<10	<1	0.02	<10	10.55	371	2	0.02	14	690	38	<0.01	<2	1	69

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10086505

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC92598		<20	<0.01	<10	<10	<1	<10	127
CC92599		<20	<0.01	<10	<10	<1	<10	28
CC92600		<20	<0.01	<10	<10	<1	<10	303
CC92601		<20	<0.01	<10	<10	<1	<10	34
CC92602		<20	0.01	<10	20	5	<10	55
CC92603		<20	0.01	<10	<10	21	<10	495
CC92604		<20	0.01	<10	<10	24	<10	1670
CC92605		<20	0.01	<10	<10	9	<10	727
CC92606		<20	0.01	<10	<10	20	<10	318
CC92607		<20	0.01	<10	<10	18	<10	482
CC92608		<20	0.01	<10	<10	13	<10	195
CC92609		<20	0.01	<10	<10	12	<10	89
CC92610		<20	0.01	<10	<10	10	<10	81
CC92611		<20	0.01	<10	<10	40	<10	117
CC92612		<20	0.01	<10	<10	22	<10	232
CC92613		<20	<0.01	<10	<10	21	10	547
CC92614		<20	<0.01	<10	10	20	<10	280
CC92615		<20	<0.01	<10	10	23	10	25
CC92616		<20	<0.01	<10	10	12	10	1370
CC92617		<20	0.01	<10	<10	16	<10	153
CC92618		<20	0.01	<10	<10	62	<10	540
CC92619		<20	0.01	<10	10	52	<10	301
CC92620		<20	0.01	<10	<10	34	<10	307
CC92621		<20	0.01	<10	<10	24	<10	448
CC92622		<20	0.01	<10	<10	32	<10	384
CC92623		<20	0.02	<10	<10	53	<10	268
CC92624		<20	<0.01	<10	<10	23	<10	214
CC92625		<20	0.01	<10	<10	37	<10	421
CC92626		<20	0.01	<10	<10	41	<10	278
CC92627		<20	0.02	<10	<10	47	<10	303
CC92628		<20	0.01	<10	10	52	<10	669
CC92629		<20	0.01	<10	<10	21	<10	270
CC92630		<20	0.02	<10	<10	35	<10	232
CC92631		<20	0.02	<10	<10	50	<10	189
CC92632		<20	0.01	<10	10	25	<10	205
CC92633		<20	0.01	<10	<10	38	<10	143
CC92634		<20	0.01	<10	<10	66	<10	195
CC92635		<20	0.02	<10	<10	69	<10	178
CC92636		<20	0.01	<10	<10	42	<10	153
CC92637		<20	0.01	<10	10	29	<10	117

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1016-510 W HASTINGS ST
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Project: RAU

CERTIFICATE OF ANALYSIS VA10086505

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC92638		0.36	0.056	0.5	0.92	32	<10	110	<0.5	2	9.5	0.5	8	16	21	2.24
CC92639		0.22	NSS	2.6	0.68	93	<10	210	<0.5	6	8.9	5.3	7	15	23	2.28
CC92640		0.24	0.037	0.7	0.47	38	<10	70	<0.5	<2	12.5	1.3	4	10	17	1.13
CC92641		0.32	0.018	0.4	0.08	33	<10	80	<0.5	<2	18.9	0.9	2	2	30	0.77
CC92642		0.38	0.307	2.9	0.17	474	<10	170	<0.5	123	16.3	2.8	4	7	25	3.74
CC92643		0.36	0.031	0.9	0.35	52	<10	90	<0.5	5	15.0	0.6	5	8	12	1.43
CC92644		0.30	0.022	0.3	0.29	31	<10	100	<0.5	2	15.8	<0.5	6	8	8	1.56
CC92645		0.26	0.012	0.8	0.16	39	<10	80	<0.5	<2	18.0	1.3	3	3	9	1.21
CC92646		0.22	0.001	0.7	0.22	17	<10	100	<0.5	<2	16.1	1.3	1	4	3	0.55
CC92647		0.28	0.057	1.7	0.12	24	<10	20	<0.5	<2	18.1	0.9	3	3	8	0.48
CC92648		0.30	0.005	0.9	1.09	52	<10	260	<0.5	<2	2.77	1.3	24	30	42	4.37
CC92649		0.26	0.003	0.5	0.67	26	<10	110	<0.5	<2	2.76	0.6	27	22	55	4.78
CC92650		0.18	0.001	<0.2	0.85	31	<10	50	<0.5	<2	5.63	<0.5	16	21	19	3.79
CC92651		0.16	0.006	0.2	0.82	8	<10	150	<0.5	<2	2.47	0.5	6	11	11	1.46
CC92652		0.14	0.002	0.3	1.26	12	<10	130	0.7	<2	3.31	1.7	9	14	15	2.24
CC92653		0.14	0.002	0.2	1.37	9	<10	150	0.6	<2	1.46	2.0	11	19	12	2.55
CC92654		0.14	0.004	0.5	1.51	17	<10	190	0.7	<2	2.88	1.0	10	23	19	2.73
CC92655		0.22	0.003	0.5	1.62	18	<10	190	0.6	<2	2.78	<0.5	11	25	20	2.92
CC92656		0.18	0.003	0.3	0.85	13	<10	110	<0.5	<2	8.1	0.6	9	14	15	2.13
CC92657		0.22	0.001	<0.2	0.11	5	<10	20	<0.5	<2	>25.0	<0.5	2	1	7	0.54
CC92658		0.22	0.004	0.4	0.69	10	<10	180	<0.5	<2	14.5	<0.5	7	12	16	1.82
CC92659		0.30	0.006	0.3	0.89	16	<10	150	<0.5	<2	6.18	<0.5	8	15	18	2.16
CC92660		0.14	0.006	0.4	1.00	14	<10	160	<0.5	<2	3.76	0.6	9	16	19	2.33
CC92661		0.20	0.028	0.6	0.23	35	<10	280	<0.5	2	17.0	0.8	4	6	7	1.03
CC92662		0.22	0.003	0.3	0.93	13	<10	130	<0.5	<2	9.4	<0.5	8	16	21	2.17
CC92663		0.26	0.005	0.4	0.88	16	<10	190	<0.5	<2	6.11	0.8	8	17	18	2.33
CC92664		0.16	0.005	0.4	1.19	13	<10	300	<0.5	<2	3.53	<0.5	16	47	33	3.63
CC92665		0.20	0.003	0.5	1.23	15	<10	250	<0.5	<2	3.79	<0.5	9	22	20	2.77
CC92666		0.20	0.002	0.4	1.08	20	<10	150	<0.5	<2	3.98	0.8	10	23	18	3.02
CC92667		0.18	0.002	0.5	1.28	25	<10	200	0.5	<2	3.54	0.8	14	31	21	3.97
CC92668		0.20	0.004	0.4	1.29	20	<10	140	0.5	<2	3.70	0.8	12	28	20	3.30
CC92669		0.22	0.004	0.4	1.44	25	<10	250	0.5	<2	2.09	1.1	12	25	23	3.25
CC92670		0.22	0.019	0.9	0.56	59	<10	200	<0.5	7	10.3	0.9	15	15	36	3.63
CC92671		0.34	0.084	1.2	0.12	73	<10	60	<0.5	10	18.2	1.8	3	5	12	1.11
CC92672		0.22	0.010	0.5	0.75	22	<10	190	<0.5	2	10.8	1.3	7	16	13	2.13
CC92673		0.32	0.011	0.8	0.29	19	<10	340	<0.5	<2	16.6	1.6	5	9	11	1.44
CC92674		0.20	0.003	<0.2	0.16	6	<10	40	<0.5	<2	17.9	0.6	1	4	8	0.40
CC92675		0.12	0.013	1.0	0.20	26	<10	150	<0.5	<2	16.6	3.9	3	7	14	1.02
CC92676		0.18	0.019	0.8	0.14	25	<10	80	<0.5	2	17.9	1.5	2	5	9	0.79
CC92677		0.20	0.012	1.0	0.30	29	<10	180	<0.5	22	16.0	1.3	3	7	13	1.51

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Project: RAU

CERTIFICATE OF ANALYSIS VA10086505

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC92638		<10	<1	0.05	10	5.68	547	2	0.03	32	850	91	0.02	<2	2	42
CC92639		<10	<1	0.05	10	4.99	2190	1	0.03	23	1250	290	0.11	<2	1	42
CC92640		<10	<1	0.03	<10	7.24	737	<1	0.03	9	710	83	0.04	2	<1	49
CC92641		<10	<1	0.01	<10	11.20	1055	<1	0.03	6	180	58	<0.01	2	<1	76
CC92642		<10	1	0.03	10	9.64	1630	1	0.03	21	770	416	<0.01	8	1	64
CC92643		<10	<1	0.07	<10	8.70	667	1	0.03	24	2110	292	0.01	5	1	56
CC92644		<10	<1	0.03	<10	9.34	481	1	0.03	24	1090	61	0.04	<2	1	57
CC92645		<10	<1	0.03	<10	10.70	449	1	0.03	19	1070	240	<0.01	4	1	71
CC92646		<10	<1	0.02	<10	9.30	932	<1	0.04	5	970	188	0.06	<2	<1	58
CC92647		<10	<1	0.01	<10	10.65	345	<1	0.03	8	1090	145	<0.01	4	<1	67
CC92648		<10	<1	0.20	20	1.44	1485	<1	0.02	75	3680	284	0.03	5	4	71
CC92649		<10	<1	0.20	10	0.63	747	<1	0.02	67	2260	104	0.03	3	4	43
CC92650		<10	<1	0.19	30	0.72	428	<1	0.01	51	1680	23	0.06	<2	3	75
CC92651		<10	1	0.05	10	0.57	866	1	0.03	12	920	21	0.17	<2	1	17
CC92652		<10	1	0.07	10	1.21	1315	1	0.03	14	1170	93	0.20	<2	1	28
CC92653		<10	<1	0.08	10	0.51	1870	1	0.03	15	920	43	0.15	<2	1	20
CC92654		<10	<1	0.16	10	1.48	669	1	0.03	25	990	46	0.07	2	3	29
CC92655		<10	<1	0.11	10	1.76	697	1	0.03	26	520	44	0.02	<2	3	26
CC92656		<10	1	0.10	10	4.71	647	1	0.03	21	770	55	0.06	<2	2	47
CC92657		<10	<1	0.04	<10	0.86	109	<1	0.01	6	80	6	<0.01	<2	1	309
CC92658		<10	<1	0.11	10	3.16	359	<1	0.03	20	550	72	<0.01	<2	2	134
CC92659		<10	<1	0.12	10	3.11	437	<1	0.03	20	740	40	<0.01	<2	2	56
CC92660		<10	<1	0.15	10	1.26	451	<1	0.03	21	810	45	0.04	2	2	42
CC92661		<10	1	0.04	<10	9.86	541	1	0.04	10	490	136	<0.01	<2	1	77
CC92662		<10	<1	0.13	10	1.85	451	<1	0.03	19	760	55	0.01	<2	2	72
CC92663		<10	<1	0.10	10	3.49	523	<1	0.03	22	990	67	0.01	<2	2	43
CC92664		<10	<1	0.24	10	1.70	589	<1	0.03	69	1090	58	0.07	<2	3	46
CC92665		<10	1	0.13	10	2.10	498	<1	0.04	25	970	54	0.04	<2	2	32
CC92666		<10	<1	0.13	10	2.34	661	1	0.03	30	1110	67	0.03	<2	3	35
CC92667		<10	<1	0.15	20	1.95	837	1	0.03	40	1180	100	0.05	2	3	28
CC92668		<10	<1	0.13	20	2.19	569	<1	0.03	37	1100	64	0.04	<2	3	28
CC92669		10	<1	0.11	10	1.09	867	<1	0.03	31	1540	76	0.06	2	2	25
CC92670		<10	<1	0.12	10	5.66	804	<1	0.03	42	2190	356	0.03	8	3	65
CC92671		<10	1	0.02	<10	10.85	699	2	0.03	13	550	177	<0.01	<2	1	75
CC92672		<10	<1	0.07	10	6.34	731	1	0.04	22	1000	148	0.04	<2	2	48
CC92673		<10	1	0.06	<10	9.74	823	3	0.04	20	1050	292	<0.01	<2	1	80
CC92674		<10	<1	0.02	<10	10.90	366	2	0.03	9	630	33	<0.01	<2	<1	70
CC92675		<10	<1	0.04	10	9.84	1405	8	0.03	22	2190	207	<0.01	3	1	73
CC92676		<10	<1	0.02	<10	10.95	802	5	0.03	18	410	139	<0.01	2	1	75
CC92677		<10	<1	0.03	10	9.70	1645	6	0.03	16	390	255	0.02	5	1	65

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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC92638		<20	0.02	<10	<10	48	<10	207
CC92639		<20	0.01	<10	<10	47	<10	547
CC92640		<20	0.01	<10	<10	35	<10	197
CC92641		<20	<0.01	<10	10	14	<10	181
CC92642		<20	<0.01	<10	10	21	30	795
CC92643		<20	0.01	<10	10	25	<10	547
CC92644		<20	<0.01	<10	10	23	<10	156
CC92645		<20	<0.01	<10	10	20	<10	392
CC92646		<20	<0.01	<10	<10	24	<10	374
CC92647		<20	<0.01	<10	10	24	<10	205
CC92648		<20	0.03	<10	<10	33	<10	758
CC92649		<20	0.02	<10	<10	22	<10	455
CC92650		<20	0.01	<10	<10	16	<10	196
CC92651		<20	0.02	<10	<10	23	<10	174
CC92652		<20	0.02	<10	<10	30	<10	450
CC92653		<20	0.02	<10	<10	43	<10	285
CC92654		<20	0.02	<10	<10	40	<10	289
CC92655		<20	0.02	<10	<10	47	<10	171
CC92656		<20	0.01	<10	<10	24	<10	264
CC92657		<20	<0.01	<10	10	1	<10	25
CC92658		<20	0.02	<10	<10	18	<10	295
CC92659		<20	0.02	<10	<10	25	<10	203
CC92660		<20	0.02	<10	<10	26	<10	270
CC92661		<20	0.01	<10	<10	18	<10	307
CC92662		<20	0.02	<10	<10	27	<10	201
CC92663		<20	0.02	<10	<10	27	<10	334
CC92664		<20	0.04	<10	<10	35	<10	225
CC92665		<20	0.02	<10	<10	35	<10	242
CC92666		<20	0.02	<10	<10	35	<10	321
CC92667		<20	0.02	<10	<10	46	<10	387
CC92668		<20	0.02	<10	<10	42	<10	269
CC92669		<20	0.02	<10	<10	45	<10	347
CC92670		<20	0.01	<10	<10	24	<10	664
CC92671		<20	<0.01	<10	10	21	<10	381
CC92672		<20	0.01	<10	<10	38	<10	501
CC92673		<20	0.01	<10	10	39	<10	380
CC92674		<20	0.01	<10	10	30	<10	132
CC92675		<20	<0.01	<10	20	48	<10	763
CC92676		<20	<0.01	<10	10	31	<10	441
CC92677		<20	0.01	<10	<10	27	<10	320

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
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Project: RAU

CERTIFICATE OF ANALYSIS VA10086505

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC92678		0.18	0.006	0.3	0.26	10	<10	50	<0.5	<2	18.2	0.5	3	7	7	0.64
CC92679		0.18	0.002	0.2	0.20	12	<10	30	<0.5	<2	17.7	<0.5	1	6	4	0.44
CC92680		0.18	0.010	0.3	0.19	25	<10	60	<0.5	<2	17.3	0.8	2	7	7	0.75
CC92681		0.20	0.009	0.2	0.22	21	<10	50	<0.5	<2	17.2	0.5	4	19	15	0.69
CC92682		0.16	0.005	0.2	1.42	27	<10	210	0.6	<2	1.69	0.8	9	26	18	3.35
CC92683		0.20	0.003	1.1	0.37	50	<10	120	<0.5	<2	3.63	1.0	8	10	16	3.17
CC92684		0.18	0.007	0.4	0.34	10	<10	100	<0.5	<2	16.9	1.0	1	9	6	0.88
CC92685		0.22	0.006	0.6	0.22	16	<10	90	<0.5	<2	16.8	1.6	2	8	7	0.69
CC92686		0.24	0.023	1.1	0.63	40	<10	170	<0.5	3	9.3	2.0	7	13	20	2.34
CC92687		0.24	0.009	0.8	0.66	27	<10	130	<0.5	<2	9.8	2.1	6	13	18	1.79
CC92688		0.22	0.041	1.0	0.59	36	<10	150	<0.5	2	11.4	2.4	5	13	14	1.68
CC92694		0.28	0.002	0.2	0.82	14	<10	190	<0.5	<2	4.76	0.5	6	15	15	1.93
CC92695		0.26	0.002	<0.2	0.74	7	<10	140	<0.5	<2	2.23	0.6	5	11	12	1.22
CC92696		0.34	0.003	<0.2	1.19	10	<10	460	0.5	<2	3.07	<0.5	6	17	10	1.74
CC92697		0.28	0.002	<0.2	1.03	16	<10	160	0.5	<2	1.00	<0.5	7	19	14	2.45
CC92698		0.40	0.006	0.3	0.57	16	<10	90	<0.5	<2	11.0	<0.5	9	10	24	2.17
CC92699		0.34	0.003	0.2	0.32	7	<10	50	<0.5	<2	17.5	0.6	2	13	9	0.57
CC92700		0.24	0.002	0.2	0.31	19	<10	170	<0.5	<2	10.9	0.6	4	6	11	1.11
CC92701		0.44	0.002	<0.2	0.29	18	<10	40	<0.5	<2	16.3	<0.5	2	9	7	0.71
CC92702		0.38	0.002	0.2	0.24	19	<10	100	<0.5	<2	18.1	<0.5	2	9	11	0.83
CC92703		0.48	0.002	0.2	0.08	13	<10	90	<0.5	<2	18.9	<0.5	3	8	5	0.41
CC92704		0.34	0.100	2.6	0.15	342	<10	130	<0.5	19	16.6	4.3	1	8	8	4.68
CC92705		0.34	<0.001	0.4	0.13	14	<10	50	<0.5	<2	18.5	0.9	1	4	7	0.47
CC92706		0.32	0.003	0.4	0.18	17	<10	50	<0.5	<2	18.2	1.1	2	6	6	0.59
CC92707		0.30	0.010	0.7	0.68	77	<10	110	0.5	4	10.1	1.5	7	14	19	2.14
CC92708		0.40	0.030	1.1	0.30	244	<10	110	<0.5	4	14.5	1.5	8	9	20	2.06
CC92709		0.28	0.008	0.6	0.68	90	<10	120	<0.5	<2	10.8	1.0	4	12	12	1.80
CC92710		0.22	0.006	0.5	1.48	46	<10	200	0.8	8	4.12	1.0	9	25	18	3.46
CC92711		0.26	0.002	0.3	1.40	18	<10	190	0.6	<2	1.42	0.6	11	25	18	3.56
CC92712		0.30	0.002	<0.2	0.36	16	<10	60	<0.5	<2	7.5	<0.5	11	8	30	3.65
CC92713		0.28	0.003	0.8	0.52	37	<10	2130	<0.5	<2	9.1	3.0	13	16	19	3.28
CC92714		0.40	0.002	0.2	0.89	18	<10	390	<0.5	<2	14.5	0.5	13	17	14	3.56
CC92715		0.34	0.001	0.7	0.56	20	<10	210	0.5	<2	10.1	2.8	12	16	21	3.28
CC92716		0.28	0.001	0.3	0.88	20	<10	200	0.7	2	5.60	1.5	12	22	30	3.64
CC92717		0.32	0.002	0.4	0.77	15	<10	490	0.5	<2	6.01	2.5	15	14	19	3.63
CC92718		0.30	0.003	0.4	0.87	9	<10	540	0.6	<2	1.76	1.7	10	14	13	2.78
CC92719		0.26	0.001	0.9	0.76	18	<10	670	<0.5	<2	9.6	1.9	14	14	23	3.55
CC92720		0.44	0.002	0.5	0.47	8	<10	440	<0.5	<2	7.5	<0.5	49	14	64	6.47
CC92721		0.24	0.003	0.3	0.78	8	<10	300	<0.5	<2	3.39	0.8	10	16	8	2.19
CC92722		0.30	0.005	0.7	1.68	18	<10	420	0.7	<2	1.49	0.9	16	34	16	3.80

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Project: RAU

CERTIFICATE OF ANALYSIS VA10086505

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC92678		<10	1	0.02	10	11.25	541	3	0.02	15	450	38	<0.01	<2	<1	70
CC92679		<10	<1	0.02	<10	10.85	361	4	0.03	9	270	32	<0.01	2	<1	71
CC92680		<10	<1	0.02	10	10.55	795	6	0.03	14	310	58	0.03	2	1	70
CC92681		<10	<1	0.02	10	10.50	535	4	0.03	16	300	38	<0.01	2	1	69
CC92682		<10	<1	0.07	20	0.98	1945	3	0.02	22	810	55	0.07	3	2	19
CC92683		<10	<1	0.05	10	1.56	1510	3	0.02	19	1680	80	0.11	2	1	26
CC92684		<10	<1	0.02	10	10.35	1435	1	0.03	5	650	68	0.06	<2	<1	50
CC92685		<10	<1	0.02	10	10.30	913	1	0.03	6	450	150	<0.01	2	<1	55
CC92686		<10	<1	0.08	10	5.39	1520	1	0.03	20	1110	310	0.08	3	1	45
CC92687		<10	<1	0.08	10	5.56	1255	1	0.03	15	1180	192	0.11	2	1	39
CC92688		<10	<1	0.05	10	6.71	1000	2	0.03	16	870	215	0.05	<2	1	50
CC92694		<10	<1	0.07	10	2.80	551	1	0.02	16	940	34	0.08	2	1	24
CC92695		<10	<1	0.04	<10	0.80	1020	1	0.02	10	1090	20	0.13	<2	<1	12
CC92696		<10	<1	0.04	10	1.70	610	1	0.02	13	1180	20	0.08	<2	1	14
CC92697		<10	<1	0.06	10	0.51	684	1	0.02	18	750	40	0.05	2	1	12
CC92698		<10	<1	0.08	10	6.59	692	1	0.03	21	900	68	0.03	2	1	47
CC92699		<10	<1	0.02	10	10.60	656	1	0.03	5	940	37	0.06	<2	<1	53
CC92700		<10	<1	0.05	<10	1.30	1720	3	0.03	12	1380	17	0.18	<2	<1	74
CC92701		<10	<1	0.03	10	9.95	324	4	0.03	11	410	12	0.05	<2	1	71
CC92702		<10	<1	0.03	10	10.85	325	4	0.02	21	1460	18	<0.01	2	<1	80
CC92703		<10	<1	0.01	<10	11.60	397	3	0.03	12	180	32	<0.01	<2	1	73
CC92704		<10	<1	0.02	<10	9.89	1485	3	0.03	17	520	230	0.06	7	1	79
CC92705		<10	<1	0.01	<10	11.35	411	2	0.03	8	390	111	<0.01	<2	<1	72
CC92706		<10	<1	0.02	<10	11.05	582	3	0.03	10	370	85	<0.01	3	<1	71
CC92707		<10	<1	0.05	10	5.48	1210	3	0.02	30	1190	308	0.12	5	1	41
CC92708		<10	<1	0.05	10	8.83	645	3	0.03	33	620	229	0.02	4	2	55
CC92709		<10	1	0.05	10	6.13	852	1	0.03	15	1890	154	0.10	5	1	51
CC92710		<10	<1	0.07	10	2.20	1375	1	0.02	30	2380	96	0.11	4	2	26
CC92711		<10	<1	0.09	30	0.63	627	<1	0.01	33	980	46	0.02	<2	3	28
CC92712		<10	<1	0.15	10	4.36	201	<1	0.02	37	2040	19	0.04	<2	2	50
CC92713		<10	<1	0.10	20	2.90	1470	1	0.03	41	1280	422	0.16	6	1	93
CC92714		<10	<1	0.25	20	2.57	697	<1	0.02	40	950	42	0.10	2	3	451
CC92715		<10	<1	0.11	10	6.28	1150	<1	0.02	33	910	299	0.11	<2	3	62
CC92716		<10	<1	0.18	20	3.16	907	<1	0.01	32	1010	109	0.13	<2	2	36
CC92717		<10	<1	0.28	20	3.34	1045	<1	0.01	27	1180	169	0.31	<2	2	49
CC92718		<10	<1	0.26	10	0.35	579	<1	<0.01	16	1000	106	0.19	<2	2	31
CC92719		<10	<1	0.24	20	1.17	746	<1	0.01	37	1370	241	0.10	<2	3	348
CC92720		<10	<1	0.12	10	4.30	983	1	<0.01	200	890	29	0.04	2	9	49
CC92721		<10	<1	0.05	10	0.79	491	<1	<0.01	27	840	41	0.13	<2	1	25
CC92722		10	<1	0.09	20	0.70	727	2	<0.01	41	810	61	0.06	<2	3	19

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Project: RAU

CERTIFICATE OF ANALYSIS VA10086505

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC92678		<20	0.01	<10	<10	23	<10	173
CC92679		<20	<0.01	<10	<10	18	<10	79
CC92680		<20	<0.01	<10	<10	19	<10	215
CC92681		<20	0.01	<10	<10	23	<10	180
CC92682		<20	0.03	<10	<10	54	<10	226
CC92683		<20	0.01	<10	<10	27	<10	360
CC92684		<20	0.01	<10	10	49	<10	290
CC92685		<20	<0.01	<10	<10	24	<10	457
CC92686		<20	0.01	<10	<10	36	<10	731
CC92687		<20	0.01	<10	<10	37	<10	553
CC92688		<20	0.01	<10	<10	34	<10	525
CC92694		<20	0.01	<10	<10	33	<10	127
CC92695		<20	0.01	<10	<10	31	<10	111
CC92696		<20	0.01	<10	<10	38	<10	110
CC92697		<20	0.02	<10	<10	45	<10	131
CC92698		<20	0.01	<10	<10	29	<10	182
CC92699		<20	0.01	<10	10	40	<10	165
CC92700		<20	0.01	<10	<10	16	<10	96
CC92701		<20	0.01	<10	<10	14	<10	85
CC92702		<20	<0.01	<10	10	31	<10	83
CC92703		<20	<0.01	<10	<10	13	<10	150
CC92704		<20	<0.01	<10	<10	24	10	1215
CC92705		<20	<0.01	<10	10	19	<10	221
CC92706		<20	0.01	<10	<10	20	<10	241
CC92707		<20	0.01	<10	<10	38	<10	712
CC92708		<20	0.01	<10	<10	20	<10	451
CC92709		<20	0.01	<10	10	31	<10	313
CC92710		<20	0.02	<10	<10	55	<10	288
CC92711		<20	0.02	<10	<10	42	<10	178
CC92712		<20	0.01	<10	<10	13	<10	61
CC92713		<20	<0.01	<10	<10	19	<10	1105
CC92714		<20	0.02	<10	<10	19	<10	208
CC92715		<20	0.01	<10	<10	21	<10	816
CC92716		<20	0.01	<10	<10	34	<10	480
CC92717		<20	0.02	<10	<10	22	<10	603
CC92718		<20	0.02	<10	<10	19	<10	412
CC92719		<20	0.01	<10	<10	15	<10	816
CC92720		<20	0.01	<10	<10	19	<10	260
CC92721		<20	0.02	<10	<10	28	<10	283
CC92722		<20	0.02	<10	<10	51	<10	266

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Project: RAU

CERTIFICATE OF ANALYSIS VA10086505

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC92723		0.26	0.002	0.7	1.28	8	<10	330	<0.5	<2	1.82	0.9	27	42	39	4.60
CC92724		0.28	0.002	0.6	1.83	10	<10	330	<0.5	<2	4.04	1.2	34	90	63	5.13
CC92725		0.28	0.002	0.3	0.97	27	<10	210	0.5	<2	5.21	1.6	15	22	15	4.31
CC92726		0.24	0.002	0.3	0.78	6	<10	510	<0.5	<2	1.86	2.8	6	20	6	1.55
CC92727		0.24	0.003	0.6	2.28	12	<10	440	<0.5	<2	1.73	2.6	27	111	42	5.12
CC92728		0.44	0.002	0.2	0.53	8	<10	80	<0.5	<2	19.7	<0.5	6	8	10	1.75
CC92729		0.30	0.001	0.3	0.53	7	<10	1270	<0.5	<2	18.2	0.6	7	7	7	1.69
CC92730		0.26	0.001	0.3	1.16	11	<10	210	0.6	<2	1.93	3.0	9	17	7	2.83
CC92731		0.26	0.006	0.4	0.84	14	<10	200	<0.5	2	3.04	1.0	7	16	9	2.10
CC92732		0.36	0.004	0.7	1.24	15	<10	320	0.6	<2	2.57	1.0	9	22	22	2.82
CC92733		0.26	0.007	0.3	0.81	12	<10	220	<0.5	<2	4.97	1.0	7	15	14	1.92
CC92734		0.18	0.007	0.4	0.72	8	<10	310	<0.5	2	4.13	1.2	5	13	21	1.48
CC92735		0.28	0.002	0.6	1.12	12	<10	300	0.6	<2	5.42	1.1	9	21	28	2.33
CC92736		0.38	0.009	0.6	1.15	21	<10	250	0.5	<2	3.22	0.8	11	21	30	2.97
CC92737		0.30	0.002	0.7	0.96	18	<10	160	0.5	2	5.11	0.9	10	19	20	2.63
CC92738		0.40	0.005	0.7	1.01	17	<10	240	0.5	<2	4.73	0.8	9	18	23	2.46
CC92739		0.24	0.003	0.7	1.19	14	<10	400	0.5	2	2.46	1.4	10	28	28	2.85
CC92740		0.20	0.002	0.5	1.94	12	<10	330	<0.5	2	1.76	0.7	21	82	34	4.08
CC92741		0.12	<0.001	0.4	1.51	10	<10	320	<0.5	<2	2.54	1.1	17	67	35	3.16
CC92742		0.30	0.002	0.5	1.59	8	<10	290	<0.5	<2	3.39	0.8	20	66	30	3.87
CC92743		0.20	0.001	0.9	2.03	11	<10	210	<0.5	2	1.42	0.7	25	103	41	4.72
CC92744		0.40	0.002	10.7	1.12	17	<10	280	<0.5	2	2.50	2.5	30	23	44	5.72
CC92745		0.46	0.005	0.5	0.99	17	<10	140	<0.5	2	4.27	0.8	9	20	24	2.73
CC92746		0.18	0.002	0.4	1.43	17	<10	220	0.9	<2	2.27	1.4	10	26	17	3.22
CC92747		0.32	0.002	0.7	0.61	14	<10	140	<0.5	<2	10.1	1.8	6	13	9	1.98
CC92748		0.22	0.006	0.6	0.51	15	<10	120	<0.5	<2	13.2	3.7	5	11	6	1.54
CC92749		0.18	0.003	0.7	0.63	15	<10	140	0.5	<2	11.1	2.7	7	15	11	2.28
CC92750		0.26	0.002	0.6	1.16	15	<10	190	0.5	<2	1.56	1.3	8	22	13	2.79
CC92751		0.24	0.002	0.4	0.88	11	<10	200	0.5	<2	6.03	1.3	8	16	14	2.72
CC92752		0.16	<0.001	0.5	0.47	4	<10	520	<0.5	<2	3.49	6.1	11	11	17	1.10
CC92753		0.16	0.002	0.4	0.72	13	<10	200	<0.5	<2	2.45	2.7	8	14	15	2.07
CC92754		0.14	0.018	0.3	0.57	4	<10	250	<0.5	<2	3.21	0.8	4	9	11	1.08
CC92755		0.12	0.002	0.3	0.30	6	<10	80	<0.5	<2	4.41	1.3	5	8	13	0.97
CC92756		0.14	0.009	0.6	0.33	28	<10	220	<0.5	<2	5.98	1.5	9	10	28	2.18
CC92757		0.20	0.009	0.6	0.42	51	<10	60	<0.5	<2	14.3	1.0	6	8	12	1.41
CC92758		0.22	0.004	0.5	0.24	28	<10	50	<0.5	<2	16.3	1.1	3	6	9	0.71
CC92759		0.18	0.003	0.2	0.55	9	<10	60	<0.5	<2	11.8	1.0	4	9	14	0.88
CC92760		0.20	0.002	0.4	0.23	11	<10	50	<0.5	<2	17.0	1.1	4	6	11	0.54
CC92761		0.22	0.001	0.3	0.26	9	<10	60	<0.5	<2	16.7	0.7	4	14	16	0.63
CC92762		0.36	0.027	2.1	0.20	120	<10	120	<0.5	10	19.2	4.5	4	9	51	2.10

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10086505

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
CC92723		<10	<1	0.13	10	0.89	519	1	<0.01	113	910	48	0.09	<2	4	28
CC92724		10	<1	0.41	10	3.05	795	1	<0.01	131	820	60	0.07	<2	7	33
CC92725		<10	<1	0.08	20	2.26	1990	2	<0.01	39	940	57	0.14	<2	3	23
CC92726		<10	<1	0.06	10	0.40	589	1	<0.01	16	490	35	0.08	<2	2	19
CC92727		<10	<1	0.15	10	1.98	678	1	<0.01	112	630	84	0.09	<2	6	19
CC92728		<10	<1	0.10	10	1.35	256	1	<0.01	14	330	16	<0.01	<2	2	226
CC92729		<10	<1	0.11	10	1.05	418	<1	<0.01	12	400	22	<0.01	<2	2	190
CC92730		<10	<1	0.08	10	0.55	1245	1	<0.01	13	640	52	0.08	<2	2	21
CC92731		<10	<1	0.06	10	0.81	770	1	<0.01	16	750	51	0.08	<2	2	32
CC92732		<10	<1	0.12	10	1.52	830	1	0.01	26	760	48	0.04	2	3	30
CC92733		<10	<1	0.08	10	2.20	477	1	0.01	16	1070	37	0.09	<2	1	37
CC92734		<10	<1	0.06	10	0.80	360	1	0.01	15	910	37	0.16	<2	1	36
CC92735		<10	<1	0.14	10	3.01	364	2	0.01	30	880	57	0.06	<2	3	47
CC92736		<10	<1	0.11	10	1.88	642	1	0.01	28	830	41	0.02	<2	3	39
CC92737		<10	<1	0.11	10	2.95	572	1	0.01	23	760	58	0.04	2	3	41
CC92738		<10	<1	0.11	10	2.54	549	1	0.01	21	860	58	0.05	<2	2	39
CC92739		<10	<1	0.11	10	0.96	559	1	<0.01	33	920	53	0.09	<2	2	28
CC92740		10	<1	0.22	10	1.43	508	1	<0.01	81	680	35	0.06	<2	4	25
CC92741		<10	<1	0.11	10	1.33	443	1	<0.01	65	740	32	0.11	<2	3	28
CC92742		<10	<1	0.13	10	2.41	521	1	0.01	79	710	41	0.08	<2	4	30
CC92743		<10	<1	0.17	10	1.82	494	1	0.01	111	590	39	0.08	<2	6	26
CC92744		<10	<1	0.09	10	1.48	1010	1	<0.01	129	770	250	0.05	2	4	24
CC92745		<10	<1	0.09	10	2.50	405	1	0.01	23	940	49	0.03	2	3	43
CC92746		<10	<1	0.09	20	1.05	1260	2	0.01	25	990	77	0.15	<2	2	20
CC92747		<10	<1	0.06	10	6.11	603	1	0.01	17	560	127	0.03	<2	2	62
CC92748		<10	<1	0.05	10	7.94	1325	2	0.01	13	590	401	0.06	3	1	68
CC92749		<10	<1	0.06	10	6.42	1250	1	<0.01	18	820	202	0.08	2	1	55
CC92750		<10	<1	0.08	10	0.53	611	1	<0.01	20	820	82	0.08	<2	2	20
CC92751		<10	<1	0.13	20	3.67	574	1	0.01	20	1010	75	0.10	<2	2	43
CC92752		<10	<1	0.07	10	0.47	1145	1	0.01	13	1370	72	0.27	<2	<1	39
CC92753		<10	<1	0.10	10	0.90	891	1	0.01	19	1260	72	0.16	<2	1	26
CC92754		<10	<1	0.04	<10	0.21	445	<1	0.01	7	1200	21	0.23	<2	<1	72
CC92755		<10	1	0.06	<10	1.48	294	<1	0.02	11	1420	14	0.21	<2	1	33
CC92756		<10	<1	0.09	10	2.83	404	1	0.01	27	1860	176	0.12	<2	1	41
CC92757		<10	<1	0.04	10	8.96	546	1	0.02	14	1330	126	0.06	<2	1	54
CC92758		<10	1	0.02	<10	10.30	537	2	0.02	9	510	104	0.06	<2	1	60
CC92759		<10	<1	0.04	<10	7.07	485	2	0.03	9	680	62	0.12	<2	1	52
CC92760		<10	1	0.02	<10	10.60	554	5	0.02	11	650	66	<0.01	<2	1	59
CC92761		<10	<1	0.03	<10	10.30	704	1	0.03	9	720	64	<0.01	<2	1	59
CC92762		<10	1	0.02	<10	12.30	1730	3	0.02	12	390	554	<0.01	3	1	78

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 12-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10086505

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC92723		<20	0.04	<10	<10	41	<10	314
CC92724		<20	0.12	<10	<10	49	<10	297
CC92725		<20	0.02	<10	<10	26	<10	294
CC92726		<20	0.02	<10	<10	23	<10	201
CC92727		<20	0.08	<10	<10	62	<10	667
CC92728		<20	0.01	<10	<10	8	<10	87
CC92729		<20	<0.01	<10	<10	7	<10	138
CC92730		<20	0.02	<10	<10	40	<10	659
CC92731		<20	0.01	<10	<10	29	<10	239
CC92732		<20	0.02	<10	<10	35	<10	305
CC92733		<20	0.02	<10	<10	26	<10	242
CC92734		<20	0.01	<10	<10	20	<10	204
CC92735		<20	0.02	<10	<10	31	<10	410
CC92736		<20	0.03	<10	<10	34	<10	172
CC92737		<20	0.02	<10	<10	28	<10	274
CC92738		<20	0.02	<10	<10	30	<10	213
CC92739		<20	0.03	<10	<10	32	<10	353
CC92740		<20	0.12	<10	<10	51	<10	217
CC92741		<20	0.07	<10	<10	41	<10	232
CC92742		<20	0.05	<10	<10	44	<10	238
CC92743		<20	0.09	<10	<10	55	<10	219
CC92744		<20	0.02	<10	<10	33	<10	854
CC92745		<20	0.03	<10	<10	31	<10	230
CC92746		<20	0.02	<10	<10	47	<10	393
CC92747		<20	0.02	<10	<10	23	<10	430
CC92748		<20	0.01	<10	<10	21	<10	1315
CC92749		<20	0.01	<10	<10	19	<10	800
CC92750		<20	0.02	<10	<10	37	<10	287
CC92751		<20	0.02	<10	<10	25	<10	322
CC92752		<20	0.01	<10	<10	11	<10	327
CC92753		<20	0.02	<10	<10	25	<10	380
CC92754		<20	0.01	<10	<10	14	<10	101
CC92755		<20	0.01	<10	<10	9	<10	199
CC92756		<20	0.01	<10	<10	14	<10	447
CC92757		<20	0.01	<10	<10	22	<10	357
CC92758		<20	0.01	<10	<10	21	<10	234
CC92759		<20	0.01	<10	<10	19	<10	202
CC92760		<20	0.01	<10	<10	30	<10	251
CC92761		<20	0.01	<10	10	26	<10	220
CC92762		<20	0.01	<10	<10	22	<10	1025

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 12-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10086505

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC92763		0.28	0.005	0.8	0.24	29	<10	80	<0.5	<2	17.6	1.9	3	7	8	0.82
CC92764		0.36	0.001	0.3	0.24	10	<10	40	<0.5	2	18.3	<0.5	3	7	7	0.49
CC92765		0.28	0.003	0.3	0.20	16	<10	120	<0.5	2	15.2	1.5	6	6	13	1.31
CC92766		0.40	0.011	0.5	0.38	66	<10	160	0.5	<2	15.8	<0.5	9	9	38	3.38
CC92767		0.36	0.006	0.6	0.61	22	<10	280	<0.5	<2	13.5	3.4	7	12	17	1.88
CC92768		0.26	0.003	0.5	0.24	9	<10	70	<0.5	<2	17.0	1.5	4	12	10	0.63
CC92769		0.26	0.004	0.6	0.50	11	<10	120	<0.5	<2	15.6	4.3	5	11	12	1.02
CC92770		0.18	0.001	<0.2	0.43	<2	<10	60	<0.5	<2	12.0	0.6	3	10	10	0.62
CC92771		0.26	0.004	0.2	1.03	15	<10	210	0.5	<2	7.4	0.5	7	20	18	1.82
CC92772		0.34	0.004	<0.2	1.36	14	<10	160	0.5	<2	4.07	0.8	9	25	18	2.37

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CERTIFICATE OF ANALYSIS VA10086505

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC92763		<10	<1	0.02	<10	11.10	970	2	0.03	6	520	136	<0.01	<2	<1	67
CC92764		<10	<1	0.02	<10	11.60	459	2	0.03	3	360	15	<0.01	<2	1	75
CC92765		<10	<1	0.04	10	9.47	1590	3	0.02	12	490	111	0.08	<2	1	112
CC92766		<10	<1	0.11	10	9.20	944	6	0.02	39	6170	28	0.07	2	2	104
CC92767		<10	<1	0.05	10	8.50	2150	2	0.02	17	1190	274	0.05	2	1	58
CC92768		<10	1	0.02	<10	10.60	814	1	0.02	3	1020	86	<0.01	<2	<1	56
CC92769		10	<1	0.03	<10	9.80	1720	1	0.02	8	700	239	0.06	<2	1	43
CC92770		<10	<1	0.03	<10	7.25	677	<1	0.02	2	1180	17	0.14	<2	<1	31
CC92771		<10	<1	0.08	10	4.59	752	1	0.02	17	1520	30	0.09	<2	1	27
CC92772		10	<1	0.08	10	2.51	607	1	0.02	18	850	32	0.07	<2	2	22

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CERTIFICATE OF ANALYSIS VA10086505

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC92763		<20	0.01	<10	<10	20	<10	395
CC92764		<20	0.01	<10	<10	17	<10	114
CC92765		<20	<0.01	<10	<10	28	<10	402
CC92766		<20	0.01	<10	10	70	<10	58
CC92767		<20	0.02	<10	<10	44	<10	635
CC92768		<20	<0.01	<10	<10	33	<10	306
CC92769		<20	0.01	<10	<10	36	<10	645
CC92770		<20	0.01	<10	<10	34	<10	119
CC92771		<20	0.01	<10	<10	71	<10	114
CC92772		<20	0.02	<10	<10	60	<10	149

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CERTIFICATE OF ANALYSIS VA10086505

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non-sufficient sample.

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CERTIFICATE VA10086506

Project: RAU

P.O. No.: MH

This report is for 189 Soil samples submitted to our lab in Vancouver, BC, Canada on 29-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-31	Pulverize split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
PUL-QC	Pulverizing QC Test
SCR-43	Screen to -500um, discard plus
SCR-01	Screen - Save plus fraction

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10086506

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC92001		0.26	0.003	0.3	0.30	28	<10	60	<0.5	2	16.2	0.8	2	5	12	0.82
CC92002		0.26	0.075	0.7	0.28	36	<10	160	<0.5	3	15.9	1.0	5	10	16	1.25
CC92003		0.20	0.007	0.3	0.82	23	<10	1450	<0.5	<2	3.14	1.1	13	16	26	2.94
CC92004		0.34	0.001	2.1	0.38	24	<10	1920	<0.5	8	11.3	2.4	11	14	25	2.91
CC92005		0.20	<0.001	0.3	0.48	10	<10	470	<0.5	<2	2.19	0.7	49	18	76	6.40
CC92006		0.26	<0.001	<0.2	0.38	21	<10	140	<0.5	<2	8.6	<0.5	11	10	20	3.44
CC92007		0.30	<0.001	<0.2	0.32	7	<10	100	<0.5	<2	20.3	<0.5	11	6	11	2.59
CC92008		0.26	<0.001	<0.2	0.41	7	<10	70	<0.5	<2	18.8	<0.5	9	7	10	2.87
CC92009		0.28	<0.001	<0.2	0.32	3	<10	50	<0.5	<2	23.7	<0.5	8	5	7	2.18
CC92010		0.24	0.003	0.3	0.31	6	<10	130	<0.5	<2	14.7	3.3	4	7	9	1.13
CC92011		0.16	0.002	0.3	0.83	4	<10	510	<0.5	<2	3.83	2.9	6	17	20	1.67
CC92012		0.22	<0.001	0.2	1.34	9	<10	260	0.6	<2	1.69	1.6	9	23	14	2.72
CC92013		0.26	<0.001	0.3	2.36	8	<10	290	<0.5	<2	2.40	1.1	30	110	55	5.34
CC92014		0.24	0.002	0.4	0.77	9	<10	210	<0.5	<2	8.4	1.1	5	12	14	1.44
CC92015		0.34	0.007	0.5	0.53	20	<10	170	<0.5	2	10.8	1.4	5	11	18	1.60
CC92016		0.32	<0.001	<0.2	1.36	12	<10	210	0.5	<2	2.54	1.0	8	21	14	2.64
CC92017		0.20	0.001	0.2	0.66	9	<10	110	<0.5	<2	2.87	<0.5	5	11	12	1.51
CC92018		0.20	0.001	<0.2	0.24	3	<10	50	<0.5	<2	13.4	<0.5	2	8	7	0.59
CC92019		0.24	0.001	<0.2	0.27	7	<10	40	<0.5	<2	16.4	<0.5	3	9	7	0.65
CC92020		0.16	0.002	0.2	0.41	18	<10	80	<0.5	<2	10.1	<0.5	4	10	13	1.35
CC92021		0.22	<0.001	0.2	0.39	23	<10	90	<0.5	<2	12.6	<0.5	4	13	9	1.22
CC92022		0.34	0.002	1.5	0.38	26	<10	80	<0.5	<2	16.0	3.8	3	13	14	0.98
CC92023		0.30	0.007	0.6	0.10	28	<10	110	<0.5	<2	16.9	1.7	3	8	10	0.92
CC92024		0.30	0.019	0.7	0.11	36	<10	80	<0.5	3	18.9	2.1	2	5	4	0.80
CC92025		0.24	0.002	0.3	0.11	12	<10	50	<0.5	<2	18.3	1.3	1	5	3	0.39
CC92026		0.26	0.001	0.3	0.19	10	<10	40	<0.5	<2	17.3	0.7	2	5	5	0.54
CC92027		0.28	<0.001	0.2	0.13	7	<10	40	<0.5	<2	17.8	0.7	1	4	5	0.36
CC92028		0.32	0.003	0.4	0.26	22	<10	50	<0.5	2	16.3	0.7	3	7	7	0.84
CC92029		0.26	0.013	0.5	0.14	125	<10	40	<0.5	2	17.2	0.9	5	5	9	1.31
CC92030		0.32	0.011	0.7	0.39	34	<10	60	<0.5	<2	15.1	1.2	3	8	7	1.31
CC92031		0.16	NSS	0.3	0.41	18	<10	130	<0.5	<2	9.4	1.1	4	8	10	1.11
CC92032		0.30	<0.001	<0.2	0.81	22	<10	130	<0.5	<2	13.6	<0.5	12	16	15	3.30
CC92033		0.18	0.001	<0.2	0.25	15	<10	120	<0.5	<2	15.3	<0.5	7	7	10	2.13
CC92034		0.26	<0.001	0.2	0.61	16	<10	100	<0.5	<2	12.0	<0.5	8	19	14	2.44
CC92035		0.16	0.004	0.2	0.49	21	<10	100	<0.5	<2	7.00	0.6	8	16	16	2.26
CC92036		0.22	<0.001	0.5	0.95	25	<10	330	0.5	<2	6.53	2.4	16	19	22	4.66
CC92037		0.16	<0.001	0.2	0.50	10	<10	180	<0.5	<2	5.89	1.8	11	11	19	2.92
CC92038		0.36	<0.001	0.2	0.81	15	<10	230	0.5	<2	15.0	0.8	14	16	18	3.64
CC92039		0.20	<0.001	<0.2	0.59	8	<10	130	<0.5	<2	15.8	0.7	10	23	21	3.04
CC92040		0.20	<0.001	<0.2	0.99	8	<10	270	0.5	<2	3.75	2.2	7	16	15	2.22

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10086506

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC92001		<10	<1	0.03	<10	9.79	661	<1	0.05	6	720	48	0.03	5	<1	57
CC92002		<10	<1	0.05	10	9.58	1250	1	0.05	19	1200	136	<0.01	8	1	71
CC92003		<10	<1	0.07	20	1.38	478	1	0.04	39	1720	67	0.11	2	1	30
CC92004		<10	<1	0.11	20	6.54	1240	1	0.05	40	1550	574	0.08	5	2	83
CC92005		<10	<1	0.21	20	0.64	768	1	0.04	89	2970	82	0.15	<2	6	88
CC92006		<10	<1	0.15	20	3.82	261	1	0.04	34	1380	20	0.04	<2	2	74
CC92007		<10	<1	0.15	10	2.12	315	<1	0.04	27	630	18	<0.01	<2	3	820
CC92008		<10	<1	0.20	10	1.25	286	1	0.04	25	710	7	<0.01	<2	3	728
CC92009		<10	<1	0.13	10	0.92	297	<1	0.04	20	520	4	<0.01	<2	3	1105
CC92010		<10	<1	0.07	10	8.37	931	2	0.05	12	490	216	0.07	2	1	109
CC92011		<10	<1	0.08	10	0.99	957	1	0.05	18	1170	87	0.19	<2	1	55
CC92012		<10	<1	0.09	10	0.75	919	1	0.04	19	800	59	0.06	2	2	22
CC92013		10	<1	0.17	10	2.89	765	1	0.04	141	910	72	0.06	<2	6	19
CC92014		<10	<1	0.07	10	4.94	1050	1	0.05	10	1080	85	0.08	2	1	27
CC92015		<10	<1	0.07	10	6.65	952	1	0.05	12	720	189	0.01	2	1	47
CC92016		<10	<1	0.08	10	1.48	728	1	0.04	15	760	21	0.05	<2	2	19
CC92017		<10	<1	0.05	10	1.20	716	1	0.04	11	880	23	0.11	<2	1	16
CC92018		<10	<1	0.03	<10	8.00	527	1	0.04	2	1010	15	0.08	<2	<1	40
CC92019		<10	<1	0.03	10	9.96	361	1	0.05	4	560	13	0.02	<2	1	48
CC92020		<10	<1	0.05	10	5.64	703	4	0.04	15	1300	15	0.12	<2	<1	45
CC92021		<10	<1	0.03	10	7.60	550	3	0.05	12	610	13	0.06	<2	1	65
CC92022		<10	<1	0.03	10	9.60	1080	2	0.05	8	560	792	0.06	5	1	72
CC92023		<10	<1	0.02	10	10.15	664	5	0.05	19	390	226	<0.01	5	1	78
CC92024		<10	<1	0.02	<10	11.55	977	2	0.05	6	170	168	<0.01	4	1	74
CC92025		<10	<1	0.01	<10	11.10	533	1	0.05	3	190	96	<0.01	2	<1	72
CC92026		<10	<1	0.02	<10	10.40	595	2	0.05	4	350	48	<0.01	<2	<1	64
CC92027		<10	<1	0.01	<10	10.75	427	1	0.05	4	340	38	<0.01	<2	<1	65
CC92028		<10	<1	0.03	<10	9.87	646	1	0.05	9	490	139	<0.01	<2	1	58
CC92029		<10	<1	0.02	<10	10.40	482	3	0.06	16	340	93	<0.01	2	1	59
CC92030		<10	<1	0.04	10	9.16	604	2	0.05	7	770	208	<0.01	2	1	60
CC92031		<10	<1	0.05	10	4.80	814	1	0.05	10	1570	105	0.12	2	1	41
CC92032		<10	<1	0.26	20	1.03	375	1	0.04	34	1240	12	0.03	<2	2	231
CC92033		<10	<1	0.13	10	2.51	302	1	0.04	16	940	9	0.08	<2	1	244
CC92034		<10	<1	0.09	20	7.16	482	1	0.05	27	950	19	0.06	<2	2	56
CC92035		<10	<1	0.10	20	3.70	617	1	0.05	25	1540	32	0.15	<2	2	41
CC92036		<10	<1	0.27	30	3.94	2180	1	0.05	49	1390	118	0.12	2	4	93
CC92037		<10	1	0.15	20	0.74	1605	<1	0.02	33	1020	76	0.22	<2	2	151
CC92038		<10	1	0.20	20	2.97	960	<1	0.01	46	1110	103	0.11	<2	3	503
CC92039		<10	<1	0.21	20	1.11	368	<1	0.02	29	900	47	<0.01	<2	3	577
CC92040		<10	<1	0.07	10	1.29	1175	1	0.02	16	1130	73	0.17	<2	1	36

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1016-510 W HASTINGS ST
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Project: RAU

Finalized Date: 13-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10086506

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC92001		<20	0.01	<10	<10	14	<10	277
CC92002		<20	0.01	<10	<10	13	10	582
CC92003		<20	0.01	<10	<10	25	<10	441
CC92004		<20	0.01	<10	<10	15	<10	832
CC92005		<20	0.01	<10	<10	27	<10	269
CC92006		<20	0.01	<10	<10	13	<10	67
CC92007		<20	0.01	<10	<10	5	<10	151
CC92008		<20	0.01	<10	<10	6	<10	56
CC92009		<20	0.01	<10	<10	3	<10	44
CC92010		<20	0.01	<10	<10	11	<10	937
CC92011		<20	0.01	<10	<10	28	<10	653
CC92012		<20	0.02	<10	<10	44	<10	283
CC92013		<20	0.07	<10	<10	80	<10	352
CC92014		<20	0.01	<10	<10	29	<10	277
CC92015		<20	0.02	<10	<10	26	<10	281
CC92016		<20	0.02	<10	<10	48	<10	151
CC92017		<20	0.01	<10	<10	25	<10	93
CC92018		<20	<0.01	<10	<10	24	<10	69
CC92019		<20	0.01	<10	<10	25	<10	44
CC92020		<20	<0.01	<10	<10	29	<10	67
CC92021		<20	0.01	<10	<10	28	<10	83
CC92022		<20	0.01	<10	<10	23	<10	428
CC92023		<20	<0.01	<10	<10	21	<10	381
CC92024		<20	<0.01	<10	<10	13	<10	477
CC92025		<20	<0.01	<10	<10	14	<10	216
CC92026		<20	0.01	<10	<10	16	<10	164
CC92027		<20	<0.01	<10	<10	20	<10	141
CC92028		<20	0.01	<10	<10	16	<10	265
CC92029		<20	<0.01	<10	<10	12	<10	222
CC92030		<20	0.01	<10	<10	19	<10	309
CC92031		<20	0.01	<10	<10	16	<10	286
CC92032		<20	0.01	<10	<10	17	<10	91
CC92033		<20	<0.01	<10	<10	6	<10	58
CC92034		<20	0.01	<10	<10	21	<10	101
CC92035		<20	0.01	<10	<10	18	<10	150
CC92036		<20	0.02	<10	<10	23	<10	771
CC92037		<20	0.01	<10	<10	12	<10	540
CC92038		<20	0.01	<10	<10	17	<10	537
CC92039		<20	0.01	<10	<10	16	<10	269
CC92040		<20	0.02	<10	<10	35	<10	423

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Project: RAU

CERTIFICATE OF ANALYSIS VA10086506

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC92041		0.14	0.004	<0.2	1.01	12	<10	370	0.5	<2	4.98	3.2	7	19	17	2.25
CC92042		0.16	<0.001	<0.2	1.54	11	<10	360	0.6	<2	1.95	1.2	11	28	18	3.15
CC92043		0.20	0.003	<0.2	2.03	9	<10	330	0.8	<2	1.42	2.2	17	58	24	3.78
CC92046		0.24	0.111	<0.2	0.43	10	<10	120	<0.5	4	13.1	0.6	3	10	11	1.01
CC92047		0.32	0.001	<0.2	0.35	4	<10	80	<0.5	<2	15.4	<0.5	2	6	8	0.59
CC92048		0.36	0.001	<0.2	0.46	10	<10	160	<0.5	<2	14.3	0.6	3	9	10	0.99
CC92049		0.30	<0.001	<0.2	0.10	<2	<10	20	<0.5	<2	3.63	<0.5	<1	3	3	0.27
CC92050		0.26	<0.001	<0.2	0.10	<2	<10	80	<0.5	<2	3.58	<0.5	1	2	3	0.32
CC92051		0.30	<0.001	<0.2	0.06	<2	<10	20	<0.5	<2	16.4	<0.5	<1	4	3	0.13
CC92052		0.28	<0.001	<0.2	0.39	15	<10	100	<0.5	<2	12.4	0.5	4	10	18	1.18
CC92053		0.32	0.002	<0.2	0.43	20	<10	70	<0.5	<2	10.3	<0.5	5	13	20	1.38
CC92054		0.34	0.003	<0.2	0.34	21	<10	50	<0.5	<2	15.2	<0.5	4	11	10	1.12
CC92055		0.46	0.005	0.2	0.15	34	<10	120	<0.5	<2	19.2	0.6	2	10	10	0.89
CC92056		0.30	0.003	0.2	1.23	21	<10	130	0.7	<2	5.56	1.1	9	23	24	2.51
CC92057		0.38	<0.001	<0.2	0.40	10	<10	50	<0.5	<2	16.5	<0.5	3	10	10	0.91
CC92058		0.36	0.010	0.8	0.32	24	<10	80	<0.5	<2	15.8	1.7	3	6	12	0.77
CC92059		0.34	0.018	0.3	1.25	78	<10	170	0.6	2	2.68	0.6	11	23	22	3.22
CC92060		0.32	0.006	0.4	0.27	281	<10	60	<0.5	3	15.2	1.5	2	5	6	2.46
CC92061		0.34	0.005	0.4	0.21	61	<10	70	<0.5	3	16.1	1.1	2	4	6	1.37
CC92062		0.42	0.003	3.8	1.00	95	<10	790	0.6	9	8.5	3.2	17	25	118	4.07
CC92063		0.30	0.001	2.2	0.32	17	<10	2390	<0.5	<2	12.7	3.4	9	9	23	1.34
CC92064		0.34	0.002	0.2	0.97	13	<10	540	<0.5	<2	2.17	0.6	72	25	109	8.57
CC92065		0.30	<0.001	<0.2	0.72	17	<10	140	<0.5	<2	10.6	0.8	10	26	21	2.45
CC92066		0.42	<0.001	0.2	0.82	26	<10	190	<0.5	<2	13.5	<0.5	13	19	18	3.32
CC92067		0.40	<0.001	<0.2	0.34	20	<10	240	<0.5	<2	18.7	<0.5	8	10	13	2.31
CC92068		0.34	<0.001	<0.2	0.38	11	<10	120	<0.5	<2	16.8	<0.5	13	19	21	2.82
CC92069		0.42	<0.001	<0.2	0.46	12	<10	70	<0.5	<2	20.5	<0.5	10	8	11	2.62
CC92070		0.36	<0.001	<0.2	0.47	8	<10	130	<0.5	<2	18.2	<0.5	9	7	10	2.52
CC92071		0.34	0.002	0.9	0.33	13	<10	250	<0.5	<2	15.5	6.4	4	7	11	1.27
CC92072		0.36	<0.001	0.5	0.52	14	<10	130	<0.5	<2	14.1	2.8	4	8	10	1.01
CC92073		0.40	<0.001	0.4	0.63	12	<10	120	<0.5	<2	12.3	1.7	5	10	10	1.41
CC92074		0.32	<0.001	<0.2	3.98	6	<10	360	<0.5	<2	3.53	1.2	34	199	62	5.72
CC92075		0.52	<0.001	0.4	0.61	13	<10	130	<0.5	<2	13.4	1.0	10	14	15	3.05
CC92076		0.30	<0.001	<0.2	0.93	10	<10	160	<0.5	5	4.24	0.5	7	14	18	1.74
CC92077		0.30	<0.001	0.2	0.65	8	<10	130	<0.5	<2	8.1	0.5	4	12	13	1.07
CC92078		0.42	0.003	0.3	0.57	24	<10	170	<0.5	<2	10.9	0.6	5	11	13	1.40
CC92079		0.22	0.004	0.2	0.46	13	<10	240	<0.5	<2	3.21	0.7	5	8	10	1.05
CC92080		0.30	0.006	0.3	0.71	17	<10	130	<0.5	<2	7.6	0.8	5	14	15	1.51
CC92081		0.38	0.002	<0.2	0.17	9	<10	30	<0.5	<2	16.7	<0.5	3	6	6	0.52
CC92082		0.28	0.003	0.2	0.30	14	<10	60	<0.5	<2	12.4	<0.5	3	8	10	0.80

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10086506

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC92041		<10	1	0.10	10	2.50	1085	1	0.02	23	930	98	0.14	<2	2	50
CC92042		<10	<1	0.08	10	0.75	1135	1	0.02	30	960	50	0.13	<2	2	20
CC92043		<10	<1	0.09	20	1.03	1130	<1	0.01	58	830	66	0.10	<2	3	18
CC92046		<10	<1	0.04	10	7.80	388	<1	0.02	11	700	35	0.06	<2	1	40
CC92047		<10	<1	0.02	<10	8.64	482	<1	0.02	6	880	27	0.10	<2	<1	34
CC92048		<10	<1	0.02	10	8.63	423	<1	0.02	10	660	37	0.05	<2	1	37
CC92049		<10	<1	<0.01	<10	1.87	223	<1	0.01	1	440	5	0.07	<2	<1	12
CC92050		<10	<1	<0.01	<10	1.79	217	<1	0.01	1	440	4	0.08	<2	<1	12
CC92051		<10	<1	<0.01	<10	9.89	152	<1	0.02	1	290	5	<0.01	<2	<1	26
CC92052		<10	<1	0.03	10	6.76	1010	2	0.01	14	1770	22	0.15	<2	1	47
CC92053		<10	<1	0.04	10	5.55	762	2	0.01	20	1810	25	0.14	<2	1	41
CC92054		<10	<1	0.02	10	9.01	474	3	0.02	14	530	22	0.07	<2	1	58
CC92055		<10	1	0.01	10	11.55	548	4	0.02	17	990	60	<0.01	<2	1	84
CC92056		<10	<1	0.05	10	3.72	854	2	0.02	34	1010	36	0.11	<2	1	29
CC92057		<10	<1	0.02	10	9.86	352	2	0.03	13	520	8	0.08	<2	1	68
CC92058		<10	<1	0.02	<10	9.88	1060	1	0.04	8	320	497	0.04	2	1	61
CC92059		<10	<1	0.06	10	1.62	862	6	0.04	27	870	42	0.09	3	2	21
CC92060		<10	<1	0.02	10	9.46	774	<1	0.04	7	1260	70	0.06	<2	1	60
CC92061		<10	<1	0.02	10	10.10	745	<1	0.04	7	880	68	<0.01	2	1	70
CC92062		<10	<1	0.13	30	5.31	5540	2	0.04	61	1920	3350	0.02	36	4	54
CC92063		<10	1	0.04	10	7.54	1365	<1	0.05	15	1610	1260	0.15	10	1	73
CC92064		<10	<1	0.41	20	0.87	1025	1	0.05	133	2910	65	0.18	<2	10	98
CC92065		<10	1	0.33	20	5.85	412	<1	0.05	31	1500	36	0.17	<2	2	65
CC92066		<10	<1	0.39	20	3.29	331	1	0.04	36	1490	15	0.11	<2	3	215
CC92067		<10	1	0.10	10	4.00	309	1	0.03	26	950	18	<0.01	<2	2	312
CC92068		<10	<1	0.14	20	1.15	375	<1	0.03	29	730	8	<0.01	<2	2	679
CC92069		<10	<1	0.17	10	0.94	293	<1	0.02	24	700	6	<0.01	<2	3	942
CC92070		<10	<1	0.19	10	0.74	304	<1	0.03	20	780	9	<0.01	<2	2	885
CC92071		<10	<1	0.04	10	9.09	1460	1	0.04	12	430	487	0.07	<2	1	109
CC92072		<10	<1	0.03	10	8.74	1115	<1	0.04	8	470	221	0.06	<2	1	66
CC92073		<10	<1	0.04	10	7.52	1145	2	0.04	11	570	162	0.07	<2	1	56
CC92074		10	<1	0.46	10	5.77	824	<1	0.03	158	890	110	0.07	<2	11	26
CC92075		<10	<1	0.10	10	3.12	1245	1	0.03	35	470	66	0.06	<2	2	135
CC92076		<10	<1	0.05	10	2.51	625	<1	0.03	12	1000	19	0.09	<2	1	20
CC92077		<10	<1	0.03	10	4.53	876	<1	0.04	5	1110	28	0.13	<2	<1	28
CC92078		<10	1	0.04	10	6.73	566	1	0.04	11	760	89	0.05	2	1	40
CC92079		<10	<1	0.03	<10	1.43	680	<1	0.03	6	930	59	0.13	<2	<1	14
CC92080		<10	<1	0.04	10	4.12	918	1	0.04	11	1450	36	0.16	<2	<1	33
CC92081		<10	<1	0.02	<10	10.45	260	<1	0.04	3	420	19	<0.01	<2	1	61
CC92082		<10	<1	0.03	10	7.21	767	1	0.04	5	910	31	0.13	<2	<1	47

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
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Project: RAU

Finalized Date: 13-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10086506

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC92041		<20	0.02	<10	<10	32	<10	545
CC92042		<20	0.03	<10	<10	54	<10	337
CC92043		<20	0.04	<10	<10	58	<10	437
CC92046		<20	0.01	<10	<10	22	<10	128
CC92047		<20	0.01	<10	<10	12	<10	164
CC92048		<20	0.01	<10	<10	24	<10	129
CC92049		<20	<0.01	<10	<10	5	<10	22
CC92050		<20	<0.01	<10	<10	4	<10	21
CC92051		<20	<0.01	<10	<10	7	<10	30
CC92052		<20	0.01	<10	<10	36	<10	99
CC92053		<20	0.01	<10	<10	48	<10	66
CC92054		<20	0.01	<10	<10	23	<10	110
CC92055		<20	<0.01	<10	10	27	10	342
CC92056		<20	0.02	<10	<10	72	<10	256
CC92057		<20	0.01	<10	<10	29	<10	47
CC92058		<20	0.01	<10	<10	24	<10	415
CC92059		<20	0.02	<10	<10	50	<10	216
CC92060		<20	0.01	<10	10	14	10	435
CC92061		<20	0.01	<10	<10	15	<10	409
CC92062		<20	0.04	<10	<10	33	<10	3250
CC92063		<20	0.01	<10	<10	20	<10	825
CC92064		<20	0.01	<10	<10	39	<10	302
CC92065		<20	0.01	<10	<10	24	<10	208
CC92066		<20	0.01	<10	<10	21	<10	85
CC92067		<20	0.01	<10	<10	11	<10	108
CC92068		<20	0.01	<10	<10	11	<10	62
CC92069		<20	0.01	<10	<10	9	<10	58
CC92070		<20	0.01	<10	<10	9	<10	72
CC92071		<20	0.01	<10	<10	15	<10	2000
CC92072		<20	0.01	<10	<10	25	<10	768
CC92073		<20	0.01	<10	<10	25	<10	557
CC92074		<20	0.16	<10	<10	102	<10	477
CC92075		<20	0.01	<10	<10	16	<10	335
CC92076		<20	0.01	<10	<10	30	<10	104
CC92077		<20	0.01	<10	<10	33	<10	161
CC92078		<20	0.01	<10	<10	32	<10	229
CC92079		<20	0.01	<10	<10	20	<10	199
CC92080		<20	0.01	<10	<10	43	<10	229
CC92081		<20	0.01	<10	<10	21	<10	90
CC92082		<20	0.01	<10	<10	24	<10	146

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10086506

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC92083		0.30	0.003	0.2	0.96	23	<10	110	0.5	<2	5.69	0.5	8	17	15	2.10
CC92084		0.36	<0.001	0.2	0.17	9	<10	30	<0.5	<2	17.8	<0.5	2	6	5	0.44
CC92085		0.32	0.007	0.2	0.87	16	<10	110	<0.5	<2	9.6	0.5	6	15	14	1.77
CC92086		0.30	0.005	0.4	0.42	18	<10	80	<0.5	<2	14.8	1.5	4	9	10	0.91
CC92087		0.32	0.008	<0.2	0.24	11	<10	40	<0.5	<2	17.4	<0.5	2	5	9	0.65
CC92088		0.34	0.012	0.4	0.10	11	<10	150	<0.5	<2	18.0	0.6	3	6	5	0.36
CC92089		0.34	0.051	0.2	0.31	54	<10	60	<0.5	<2	16.0	<0.5	5	6	9	1.23
CC92090		0.26	0.003	<0.2	0.13	22	<10	40	<0.5	<2	13.5	0.5	2	2	4	0.37
CC92091		0.20	0.001	<0.2	0.48	7	<10	80	<0.5	<2	10.0	<0.5	3	7	7	0.96
CC92092		0.18	0.005	0.2	1.04	24	<10	180	<0.5	<2	4.63	<0.5	7	17	16	2.23
CC92093		0.22	0.002	<0.2	0.65	14	<10	150	<0.5	<2	8.9	<0.5	5	11	12	1.45
CC92094		0.24	0.003	0.2	0.86	15	<10	130	<0.5	<2	5.97	0.5	7	15	21	1.87
CC92095		0.18	0.003	<0.2	0.29	8	<10	80	<0.5	<2	14.2	<0.5	3	5	7	0.62
CC92096		0.20	0.002	<0.2	0.29	11	<10	50	<0.5	<2	14.8	<0.5	3	8	11	0.74
CC92097		0.28	0.003	<0.2	0.23	10	<10	30	<0.5	<2	17.3	<0.5	3	7	6	0.61
CC92098		0.16	0.003	<0.2	0.46	20	<10	70	<0.5	<2	15.2	<0.5	4	13	11	1.06
CC92099		0.20	0.004	0.4	0.43	66	<10	90	<0.5	<2	14.5	0.9	5	10	12	1.98
CC92100		0.22	0.024	2.6	0.33	275	<10	320	<0.5	14	15.1	3.3	5	10	21	2.94
CC92101		0.22	0.011	0.5	0.67	58	<10	130	<0.5	<2	11.7	1.0	6	15	15	1.73
CC92102		0.16	0.006	0.4	0.90	58	<10	200	0.5	2	5.05	0.6	7	19	18	2.36
CC92103		0.18	0.174	2.6	1.02	1700	<10	310	0.7	50	6.25	8.0	10	25	31	6.56
CC92104		0.18	0.008	0.8	0.72	71	<10	160	0.5	<2	11.5	1.9	5	14	16	1.64
CC92105		0.24	0.011	0.5	0.18	34	<10	100	<0.5	<2	16.5	0.5	3	5	3	0.59
CC92106		0.22	0.023	1.1	0.91	58	<10	190	<0.5	6	13.6	1.0	8	16	16	2.23
CC92107		0.20	0.008	0.4	0.64	29	<10	170	<0.5	3	13.9	0.5	5	11	10	1.49
CC92108		0.20	0.021	0.3	0.57	14	<10	220	<0.5	<2	14.8	0.5	5	13	11	1.64
CC92109		0.16	0.001	0.5	1.40	23	<10	610	0.5	<2	3.26	0.5	20	34	43	5.78
CC92110		0.12	<0.001	<0.2	1.37	17	<10	290	<0.5	<2	7.6	<0.5	13	24	15	3.36
CC92111		0.18	0.001	<0.2	1.13	17	<10	180	0.5	<2	2.11	<0.5	11	25	16	2.64
CC92112		0.14	<0.001	<0.2	0.89	12	<10	290	<0.5	<2	16.0	<0.5	13	18	12	3.19
CC92113		0.20	0.002	<0.2	0.72	10	<10	120	<0.5	<2	22.9	<0.5	10	12	9	2.58
CC92114		0.22	<0.001	<0.2	0.70	9	<10	120	<0.5	<2	23.6	<0.5	9	11	7	2.26
CC92115		0.26	<0.001	<0.2	0.73	9	<10	110	<0.5	<2	21.6	<0.5	11	11	9	2.74
CC92116		0.20	0.003	1.9	0.50	23	<10	520	<0.5	<2	16.8	4.8	4	12	12	2.07
CC92117		0.20	0.008	0.7	0.79	35	<10	190	<0.5	<2	14.1	3.3	4	14	11	1.90
CC92118		0.18	0.009	1.9	0.60	49	<10	590	0.5	3	14.3	11.0	5	12	19	2.98
CC92119		0.14	0.005	2.0	1.66	19	<10	650	0.8	<2	4.24	3.8	9	49	20	2.91
CC92120		0.14	0.004	0.6	2.44	24	<10	760	0.7	<2	1.33	4.3	19	80	28	4.65
CC92121		0.18	0.002	0.9	1.59	28	<10	420	0.7	<2	2.92	3.8	11	28	22	4.26
CC92122		0.20	<0.001	0.2	1.17	9	<10	170	0.5	<2	10.2	<0.5	10	15	18	2.87

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Project: RAU

CERTIFICATE OF ANALYSIS VA10086506

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC92083		<10	<1	0.05	10	3.45	919	3	0.03	17	1170	22	0.12	<2	1	29
CC92084		<10	<1	0.01	10	11.05	331	2	0.04	4	410	9	<0.01	<2	<1	66
CC92085		<10	<1	0.05	10	5.99	853	2	0.04	15	560	38	0.06	<2	1	42
CC92086		<10	<1	0.03	10	9.25	685	1	0.04	12	390	110	0.05	<2	1	64
CC92087		<10	1	0.02	<10	10.85	507	1	0.04	9	410	13	0.05	<2	1	63
CC92088		<10	1	0.01	<10	11.25	409	<1	0.04	3	210	174	<0.01	<2	1	76
CC92089		<10	<1	0.03	<10	9.98	691	1	0.04	17	540	20	0.06	<2	1	56
CC92090		<10	<1	0.01	<10	8.25	518	<1	0.04	<1	400	26	0.06	<2	<1	46
CC92091		<10	<1	0.04	10	6.20	268	<1	0.03	5	620	12	0.03	<2	1	34
CC92092		<10	<1	0.07	10	3.07	491	1	0.04	15	850	28	0.07	<2	2	25
CC92093		<10	<1	0.04	10	5.48	430	<1	0.04	9	700	18	0.06	<2	1	28
CC92094		<10	<1	0.07	10	3.74	515	2	0.02	20	930	31	0.08	<2	1	27
CC92095		<10	<1	0.02	<10	8.32	402	<1	0.02	5	940	18	0.07	<2	<1	35
CC92096		<10	<1	0.03	10	8.56	587	2	0.02	9	1200	16	0.10	<2	1	48
CC92097		<10	<1	0.02	10	10.30	297	1	0.02	7	430	18	0.03	<2	1	56
CC92098		<10	<1	0.04	10	9.02	586	2	0.02	12	780	43	0.06	<2	1	51
CC92099		<10	<1	0.04	10	8.52	723	2	0.03	14	1050	90	0.05	9	1	52
CC92100		<10	<1	0.03	10	8.92	2830	3	0.02	20	620	881	0.05	6	1	73
CC92101		<10	<1	0.05	10	6.55	1240	2	0.03	20	1450	99	0.14	<2	1	50
CC92102		<10	<1	0.07	10	2.31	1310	3	0.03	25	3470	68	0.21	<2	1	34
CC92103		<10	<1	0.15	10	3.82	2330	2	0.03	50	1300	609	0.12	8	2	34
CC92104		<10	1	0.08	10	6.45	1250	3	0.03	20	1240	92	0.13	<2	1	42
CC92105		<10	<1	0.03	<10	9.83	611	1	0.03	6	570	84	<0.01	<2	1	59
CC92106		<10	<1	0.15	10	8.15	860	8	0.04	29	610	137	0.05	<2	2	53
CC92107		<10	<1	0.10	10	8.08	576	1	0.03	12	1400	75	0.08	<2	1	52
CC92108		<10	<1	0.11	10	8.72	440	<1	0.03	13	1400	64	0.06	<2	2	60
CC92109		<10	<1	0.55	30	1.72	556	1	0.04	52	2160	67	0.15	<2	5	57
CC92110		<10	<1	0.60	20	2.02	453	<1	0.03	30	1470	13	0.19	<2	3	95
CC92111		<10	<1	0.19	10	0.62	516	<1	0.02	20	2310	19	0.17	<2	2	24
CC92112		<10	<1	0.47	20	1.81	387	<1	0.03	33	830	8	0.15	<2	3	487
CC92113		<10	<1	0.37	10	0.83	326	<1	0.02	24	730	5	<0.01	<2	4	1100
CC92114		<10	<1	0.42	10	1.74	243	<1	0.02	22	500	5	<0.01	<2	3	1230
CC92115		<10	<1	0.31	20	0.75	337	<1	0.02	24	730	7	<0.01	<2	4	1080
CC92116		<10	<1	0.11	10	9.37	2820	1	0.03	16	510	334	<0.01	<2	2	113
CC92117		<10	<1	0.09	10	8.20	1800	3	0.03	22	490	271	0.06	<2	1	78
CC92118		<10	<1	0.13	10	8.32	6190	3	0.03	26	510	1420	0.07	3	2	76
CC92119		<10	<1	0.34	20	2.50	744	<1	0.03	32	1030	445	0.21	<2	4	52
CC92120		10	1	0.34	20	1.53	1840	<1	0.03	63	1010	341	0.12	<2	5	33
CC92121		<10	<1	0.24	20	1.56	8490	1	0.03	35	910	189	0.10	<2	3	33
CC92122		<10	<1	0.46	20	1.68	554	<1	0.02	26	520	29	0.05	<2	3	100

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 13-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10086506

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC92083		<20	0.01	<10	<10	36	<10	152
CC92084		<20	<0.01	<10	<10	11	<10	42
CC92085		<20	0.02	<10	<10	37	<10	198
CC92086		<20	0.01	<10	<10	30	<10	339
CC92087		<20	0.01	<10	<10	29	<10	80
CC92088		<20	<0.01	<10	10	16	<10	219
CC92089		<20	0.01	<10	10	18	<10	86
CC92090		<20	<0.01	<10	<10	10	<10	125
CC92091		<20	0.01	<10	<10	15	<10	48
CC92092		<20	0.02	<10	<10	37	<10	115
CC92093		<20	0.01	<10	<10	25	<10	92
CC92094		<20	0.01	<10	<10	35	<10	109
CC92095		<20	<0.01	<10	<10	13	<10	92
CC92096		<20	<0.01	<10	<10	28	<10	66
CC92097		<20	<0.01	<10	<10	24	<10	67
CC92098		<20	<0.01	<10	<10	38	<10	185
CC92099		<20	<0.01	<10	<10	42	<10	468
CC92100		<20	<0.01	<10	<10	30	10	1220
CC92101		<20	<0.01	<10	10	55	<10	317
CC92102		<20	<0.01	<10	10	64	<10	264
CC92103		<20	<0.01	<10	<10	64	20	2570
CC92104		<20	<0.01	<10	<10	48	<10	407
CC92105		<20	<0.01	<10	10	18	<10	261
CC92106		<20	0.01	<10	<10	38	10	394
CC92107		<20	<0.01	<10	<10	26	<10	194
CC92108		<20	<0.01	<10	10	27	<10	204
CC92109		<20	0.02	<10	<10	48	<10	216
CC92110		<20	<0.01	<10	<10	30	<10	70
CC92111		<20	0.01	<10	<10	41	<10	68
CC92112		<20	<0.01	<10	<10	20	<10	67
CC92113		<20	<0.01	<10	<10	15	<10	46
CC92114		<20	<0.01	<10	<10	14	<10	48
CC92115		<20	<0.01	<10	<10	14	<10	81
CC92116		<20	<0.01	<10	<10	21	<10	1075
CC92117		<20	0.01	<10	<10	60	<10	915
CC92118		<20	<0.01	<10	<10	49	<10	3400
CC92119		<20	0.02	<10	<10	56	<10	1090
CC92120		<20	0.03	<10	<10	75	<10	1550
CC92121		<20	0.01	<10	<10	43	<10	776
CC92122		<20	<0.01	<10	<10	19	<10	120

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 13-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10086506

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC92123		0.20	0.006	1.2	1.23	30	<10	490	0.6	<2	5.58	4.3	11	22	23	3.80
CC92124		0.18	<0.001	0.3	3.48	6	<10	230	0.5	<2	1.74	<0.5	29	157	56	5.40
CC92125		0.16	0.003	0.3	2.23	26	<10	350	1.0	<2	1.47	0.8	13	37	20	3.87
CC92126		0.18	0.002	0.2	2.22	13	<10	360	0.8	<2	7.0	0.5	12	31	25	3.36
CC92127		0.16	0.003	0.3	1.84	18	<10	280	0.7	<2	3.05	0.6	10	28	23	3.05
CC92128		0.20	0.005	0.2	1.40	15	<10	220	0.6	<2	6.69	<0.5	9	23	18	2.58
CC92129		0.20	0.003	0.3	1.73	16	<10	240	0.6	<2	4.04	<0.5	9	26	16	2.84
CC92130		0.16	0.013	0.5	1.41	12	<10	200	0.6	<2	5.93	1.2	7	23	26	2.50
CC92131		0.16	0.002	0.5	1.77	15	<10	320	0.8	<2	4.35	1.7	9	27	23	2.86
CC92132		0.24	0.007	0.5	2.20	18	<10	340	0.9	<2	1.15	0.8	10	37	20	3.36
CC92133		0.20	0.005	0.6	1.84	18	<10	280	0.8	<2	4.13	1.1	9	27	21	3.04
CC92134		0.12	0.004	0.3	1.65	17	<10	350	0.7	<2	4.13	1.8	9	27	21	2.96
CC92135		0.16	0.001	0.5	2.11	18	<10	380	0.9	<2	2.00	3.1	11	29	18	3.40
CC92136		0.14	0.002	0.2	1.00	7	<10	190	<0.5	<2	8.0	0.7	7	13	20	2.38
CC92137		0.22	0.002	0.4	1.40	14	<10	240	0.6	<2	5.62	<0.5	10	22	23	2.90
CC92138		0.20	0.002	0.4	1.46	14	<10	230	0.6	<2	2.70	1.1	9	24	21	3.14
CC92139		0.10	0.001	1.0	1.47	17	<10	420	0.6	<2	4.04	4.4	19	37	34	4.97
CC92140		0.18	<0.001	0.6	1.84	13	<10	470	<0.5	<2	1.94	1.4	34	71	56	6.45
CC92501		0.12	0.001	0.5	1.70	13	<10	310	0.7	<2	2.83	1.0	10	30	27	2.89
CC92502		0.12	0.002	0.5	1.55	12	<10	360	0.6	<2	1.93	0.7	9	25	21	2.58
CC92503		0.16	0.004	0.5	1.67	14	<10	370	0.7	<2	2.71	1.0	9	26	26	2.77
CC92504		0.18	0.002	0.4	1.18	14	<10	280	0.5	<2	4.71	0.9	8	29	29	2.47
CC92505		0.22	0.006	0.5	1.37	20	<10	430	0.5	5	4.81	0.9	9	28	30	2.83
CC92506		0.32	0.003	0.5	1.50	20	<10	340	0.6	<2	3.11	0.8	9	27	33	2.93
CC92507		0.10	0.003	0.6	1.32	15	<10	570	0.5	<2	3.25	1.1	8	27	27	2.53
CC92508		0.14	0.003	0.3	1.10	13	<10	150	<0.5	<2	14.0	<0.5	11	22	21	2.38
CC92509		0.14	0.001	0.2	0.65	18	<10	60	<0.5	<2	16.5	<0.5	8	17	17	2.24
CC92510		0.12	0.005	0.2	0.69	19	<10	160	<0.5	<2	4.72	0.5	15	11	28	4.08
CC92511		0.12	0.013	2.2	0.16	16	<10	380	<0.5	<2	17.1	2.2	1	5	14	0.67
CC92512		0.14	0.111	0.3	0.64	58	<10	280	0.5	3	14.8	<0.5	4	8	13	2.28
CC92513		0.18	0.015	1.2	0.80	36	<10	490	<0.5	<2	11.1	2.1	5	15	17	1.78
CC92514		0.24	0.022	1.6	0.51	14	<10	230	<0.5	2	14.4	0.8	3	9	12	1.02
CC92515		0.18	0.070	2.5	0.95	26	<10	430	0.5	<2	7.7	1.6	7	18	28	2.17
CC92516		0.16	0.015	1.8	0.88	21	<10	160	0.5	2	10.5	1.5	6	14	18	1.88
CC92517		0.10	0.012	1.1	0.79	27	<10	240	<0.5	4	11.8	1.3	5	15	20	1.98
CC92518		0.16	0.013	1.0	1.10	26	<10	210	0.5	5	8.9	0.9	6	18	17	2.25
CC92519		0.20	0.115	1.4	0.94	59	<10	200	0.5	19	10.0	1.4	7	17	20	2.63
CC92520		0.12	0.028	1.5	1.28	41	<10	320	0.7	5	6.21	1.9	12	25	28	3.15
CC92521		0.20	0.105	0.5	0.44	31	<10	150	<0.5	4	12.8	1.3	5	10	15	2.12
CC92522		0.22	0.015	1.0	1.13	27	<10	260	0.7	<2	4.72	1.2	18	19	28	2.88

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 13-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10086506

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC92123		<10	<1	0.29	20	3.54	4150	1	0.03	44	550	290	0.06	<2	3	41
CC92124		10	<1	0.38	10	3.24	804	<1	0.02	107	830	26	0.09	<2	6	22
CC92125		10	<1	0.32	20	0.99	1370	1	0.05	31	520	73	0.06	<2	5	28
CC92126		10	<1	0.56	20	2.41	665	<1	0.04	31	870	29	0.08	<2	4	66
CC92127		<10	<1	0.24	20	1.74	693	1	0.04	26	980	32	0.08	<2	3	32
CC92128		<10	<1	0.22	20	3.91	462	1	0.04	24	770	24	0.04	<2	3	42
CC92129		<10	1	0.25	20	2.77	455	1	0.04	23	750	34	0.04	<2	3	37
CC92130		<10	<1	0.20	10	4.00	603	2	0.03	27	900	51	0.07	<2	2	34
CC92131		<10	<1	0.27	20	2.80	956	2	0.05	28	770	50	0.05	<2	3	38
CC92132		10	<1	0.19	20	0.92	744	2	0.04	33	390	40	0.03	<2	5	22
CC92133		<10	<1	0.28	20	2.61	693	3	0.05	26	940	60	0.07	<2	3	39
CC92134		<10	<1	0.26	20	1.80	901	2	0.04	27	650	53	0.06	<2	3	43
CC92135		10	<1	0.21	20	1.25	2160	2	0.04	26	650	67	0.06	<2	3	25
CC92136		<10	<1	0.25	10	0.73	689	1	0.02	21	920	29	0.11	<2	2	81
CC92137		<10	<1	0.25	20	1.30	550	2	0.03	28	580	29	0.04	<2	3	87
CC92138		<10	<1	0.24	10	1.46	938	1	0.03	26	740	31	0.05	<2	3	35
CC92139		<10	<1	0.57	20	2.02	4830	4	0.03	63	1150	234	0.12	<2	4	40
CC92140		<10	<1	0.48	20	1.44	2910	1	0.04	115	630	118	0.12	<2	7	25
CC92501		<10	<1	0.30	10	1.39	531	1	0.04	30	890	40	0.07	<2	3	37
CC92502		<10	<1	0.20	10	0.58	561	1	0.04	24	810	32	0.09	<2	2	31
CC92503		<10	<1	0.22	10	1.32	553	1	0.03	26	990	37	0.08	<2	2	32
CC92504		<10	<1	0.18	10	2.32	599	1	0.03	23	970	34	0.08	<2	2	42
CC92505		<10	<1	0.25	10	2.60	516	2	0.04	31	1040	45	0.04	<2	3	59
CC92506		<10	<1	0.28	20	2.06	451	2	0.03	31	1040	28	0.02	<2	4	46
CC92507		<10	<1	0.18	10	1.53	685	2	0.04	26	1100	32	0.08	<2	2	41
CC92508		<10	<1	0.32	10	0.67	228	1	0.03	38	790	18	0.05	<2	2	159
CC92509		<10	<1	0.28	10	0.99	143	1	0.02	36	1100	11	<0.01	<2	2	200
CC92510		<10	<1	0.47	20	0.18	541	<1	0.01	33	1490	41	0.04	<2	3	27
CC92511		<10	<1	0.07	<10	10.95	1025	<1	0.03	6	560	528	<0.01	3	<1	70
CC92512		<10	<1	0.36	20	9.36	296	<1	0.03	15	460	46	0.03	<2	2	68
CC92513		<10	<1	0.12	10	6.90	1040	<1	0.04	17	870	453	0.06	6	1	53
CC92514		<10	<1	0.08	10	9.48	384	<1	0.03	10	580	220	0.03	<2	1	65
CC92515		<10	<1	0.13	10	4.60	1110	2	0.04	23	1520	692	0.09	3	1	40
CC92516		<10	<1	0.10	10	6.35	1080	2	0.03	17	1200	304	0.12	<2	1	47
CC92517		<10	<1	0.09	10	7.04	1490	4	0.03	23	2100	189	0.11	<2	1	71
CC92518		<10	<1	0.10	10	5.35	1120	2	0.03	20	1290	237	0.11	<2	1	47
CC92519		<10	<1	0.10	10	6.30	1340	2	0.03	23	1000	311	0.06	<2	2	49
CC92520		<10	<1	0.20	10	4.16	2460	4	0.04	39	1450	370	0.08	<2	2	41
CC92521		<10	<1	0.18	10	8.10	1835	2	0.02	16	550	118	0.06	<2	1	59
CC92522		<10	<1	0.23	10	2.89	1460	1	0.02	34	1140	128	0.07	<2	2	30

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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC92123		<20	0.01	<10	<10	33	<10	1105
CC92124		<20	0.10	<10	<10	76	<10	237
CC92125		<20	0.02	<10	<10	64	<10	240
CC92126		<20	0.01	<10	<10	43	<10	148
CC92127		<20	0.01	<10	<10	49	<10	185
CC92128		<20	0.02	<10	<10	42	<10	147
CC92129		<20	0.02	<10	<10	49	<10	169
CC92130		<20	0.02	<10	<10	39	<10	292
CC92131		<20	0.03	<10	<10	51	<10	406
CC92132		<20	0.03	<10	<10	71	<10	199
CC92133		<20	0.03	<10	<10	52	<10	294
CC92134		<20	0.02	<10	<10	46	<10	428
CC92135		<20	0.03	<10	<10	60	<10	542
CC92136		<20	0.01	<10	<10	22	<10	180
CC92137		<20	0.02	<10	<10	37	<10	156
CC92138		<20	0.02	<10	<10	40	<10	209
CC92139		<20	0.02	<10	<10	35	<10	1130
CC92140		<20	0.05	<10	<10	52	<10	560
CC92501		<20	0.02	<10	<10	43	<10	308
CC92502		<20	0.02	<10	<10	43	<10	227
CC92503		<20	0.02	<10	<10	45	<10	279
CC92504		<20	0.02	<10	<10	35	<10	215
CC92505		<20	0.02	<10	<10	43	<10	204
CC92506		<20	0.02	<10	<10	46	<10	164
CC92507		<20	0.02	<10	<10	43	<10	198
CC92508		<20	0.02	<10	<10	29	<10	137
CC92509		<20	0.01	<10	<10	17	<10	90
CC92510		<20	0.01	<10	<10	18	<10	178
CC92511		<20	<0.01	<10	<10	14	<10	571
CC92512		<20	<0.01	<10	<10	31	<10	107
CC92513		<20	0.02	<10	<10	31	10	641
CC92514		<20	0.02	<10	<10	25	<10	182
CC92515		<20	0.02	<10	10	53	<10	428
CC92516		<20	0.01	<10	<10	46	<10	361
CC92517		<20	0.01	<10	10	67	<10	359
CC92518		<20	0.01	<10	<10	63	10	317
CC92519		<20	0.02	<10	<10	49	20	482
CC92520		<20	0.02	<10	<10	61	<10	711
CC92521		<20	0.01	<10	<10	31	<10	491
CC92522		<20	0.01	<10	<10	49	<10	492

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 13-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10086506

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC92523		0.16	0.007	0.5	0.72	17	<10	180	<0.5	<2	11.0	0.6	7	14	14	1.57
CC92524		0.22	0.011	0.7	1.17	23	<10	200	0.5	<2	8.9	1.2	7	18	17	2.13
CC92525		0.22	0.007	0.6	0.17	16	<10	90	<0.5	<2	16.8	0.6	2	7	6	0.66
CC92526		0.16	0.026	0.9	0.79	25	<10	160	<0.5	2	12.9	0.9	7	15	21	1.65
CC92527		0.20	0.015	0.2	0.65	18	<10	110	<0.5	2	13.7	<0.5	4	13	12	1.24
CC92528		0.20	0.007	0.3	0.46	13	<10	80	<0.5	2	15.7	0.7	4	10	10	0.98
CC92529		0.12	0.003	0.2	0.41	11	<10	70	<0.5	<2	15.7	<0.5	3	8	9	0.68
CC92530		0.12	0.005	0.3	0.54	11	<10	100	<0.5	<2	14.8	0.7	5	9	11	1.21
CC92531		0.26	0.074	0.7	0.46	45	<10	140	<0.5	<2	14.6	0.7	10	14	28	2.48
CC92532		0.22	0.037	1.6	0.37	136	<10	140	<0.5	8	17.5	1.3	4	8	21	2.58
CC92533		0.14	0.035	2.3	0.26	42	<10	840	<0.5	4	18.0	2.4	3	6	19	0.93
CC92534		0.24	0.007	0.5	0.77	20	<10	150	<0.5	3	11.5	0.8	4	12	11	1.28
CC92535		0.20	0.135	9.7	0.29	190	<10	1990	<0.5	112	16.6	6.6	3	7	89	2.44
CC92536		0.14	0.036	5.1	0.95	127	<10	3270	<0.5	5	8.2	10.6	24	26	65	5.44
CC92537		0.18	0.003	0.4	0.17	21	<10	130	<0.5	<2	20.1	0.7	3	4	7	0.29
CC92538		0.16	0.001	<0.2	1.00	38	<10	130	<0.5	<2	20.3	0.5	17	24	23	3.86
CC92539		0.18	0.002	0.4	0.58	9	<10	180	<0.5	<2	>25.0	4.7	6	8	13	2.04
CC92540		0.10	<0.001	<0.2	1.36	11	<10	80	0.5	2	18.4	<0.5	14	22	18	3.98
CC92541		0.22	0.006	<0.2	0.56	10	<10	70	<0.5	<2	>25.0	<0.5	9	10	13	2.84
CC92542		0.12	0.002	0.7	0.60	14	<10	230	<0.5	<2	20.4	2.3	7	10	16	1.94
CC92543		0.12	NSS	0.2	0.51	7	<10	150	<0.5	<2	>25.0	0.7	5	8	11	0.91
CC92544		0.30	0.001	<0.2	0.10	<2	<10	20	<0.5	<2	>25.0	<0.5	1	1	3	0.21
CC92545		0.22	0.002	0.2	0.75	11	<10	140	<0.5	<2	22.8	0.7	6	11	13	1.54
CC92546		0.20	0.001	0.7	0.92	24	<10	330	0.6	<2	>25.0	2.7	7	17	28	1.72
CC92547		0.24	0.001	0.3	0.85	6	<10	130	<0.5	<2	22.6	1.1	4	13	13	1.24
CC92548		0.14	0.002	0.2	0.65	8	<10	140	<0.5	2	>25.0	0.6	5	10	13	1.08
CC92549		0.24	0.003	0.4	1.23	19	<10	250	0.6	<2	9.0	1.8	10	18	23	2.58
CC92550		0.24	0.002	0.2	0.94	13	<10	170	0.5	<2	17.9	1.5	7	13	15	1.98
CC92551		0.20	0.001	0.2	0.95	10	<10	120	<0.5	<2	19.0	0.9	7	13	17	1.86

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Project: RAU

Finalized Date: 13-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10086506

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC92523		<10	<1	0.21	10	6.86	835	1	0.03	15	980	62	0.07	<2	1	40
CC92524		<10	<1	0.11	10	5.34	1170	1	0.03	21	1470	140	0.10	<2	1	49
CC92525		<10	<1	0.04	<10	10.75	465	1	0.02	8	400	71	<0.01	<2	1	72
CC92526		<10	<1	0.11	10	8.15	932	3	0.03	22	1110	159	0.07	3	2	58
CC92527		<10	1	0.06	10	8.69	603	2	0.02	13	930	61	0.08	<2	1	55
CC92528		<10	<1	0.06	<10	10.00	435	1	0.03	11	760	51	0.04	2	1	65
CC92529		<10	1	0.04	<10	9.82	386	1	0.02	10	1610	16	0.08	3	1	68
CC92530		<10	<1	0.06	<10	9.36	648	<1	0.02	13	810	58	0.07	2	1	58
CC92531		<10	<1	0.12	10	9.24	427	<1	0.02	45	1370	81	0.04	7	2	57
CC92532		<10	1	0.10	<10	11.20	1005	<1	0.02	13	1130	434	0.03	6	1	64
CC92533		<10	1	0.06	<10	11.60	1020	<1	0.02	6	920	544	<0.01	5	1	72
CC92534		<10	<1	0.10	10	7.19	691	<1	0.03	10	1660	68	0.07	2	1	53
CC92535		<10	<1	0.09	10	10.65	3960	<1	0.01	15	970	1585	0.07	18	1	78
CC92536		<10	1	0.43	20	4.15	4420	1	<0.01	67	2170	1920	0.12	9	4	88
CC92537		<10	<1	0.06	10	12.15	381	<1	0.02	9	7760	55	<0.01	7	<1	100
CC92538		<10	1	0.39	20	0.88	359	1	0.02	53	1380	45	<0.01	<2	4	270
CC92539		<10	<1	0.09	10	0.68	5330	<1	0.01	19	590	105	<0.01	4	2	455
CC92540		<10	<1	0.48	20	1.34	511	<1	0.02	41	1070	15	<0.01	<2	5	836
CC92541		<10	1	0.27	10	1.10	433	<1	0.01	30	610	11	<0.01	<2	3	996
CC92542		<10	1	0.20	10	3.00	1110	1	0.02	19	420	142	<0.01	2	2	148
CC92543		<10	1	0.11	<10	1.48	499	<1	0.02	10	430	55	<0.01	3	1	145
CC92544		<10	1	0.02	<10	0.23	97	<1	0.01	2	90	7	<0.01	<2	<1	137
CC92545		<10	<1	0.11	10	1.37	431	1	0.02	15	500	59	<0.01	<2	1	104
CC92546		<10	<1	0.15	10	0.40	2020	<1	0.01	34	310	680	<0.01	6	3	118
CC92547		10	<1	0.11	<10	1.10	517	<1	0.02	11	660	75	<0.01	<2	1	107
CC92548		<10	<1	0.10	<10	1.52	536	<1	0.02	14	490	86	<0.01	3	1	124
CC92549		<10	1	0.29	10	2.71	664	1	0.02	24	660	156	0.06	4	2	74
CC92550		<10	<1	0.32	10	3.77	579	<1	0.02	20	360	100	<0.01	<2	2	141
CC92551		<10	1	0.24	10	1.04	423	<1	0.02	18	410	56	<0.01	<2	3	196

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VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 13-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10086506

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC92523		<20	0.01	<10	<10	35	<10	267
CC92524		<20	0.01	<10	<10	60	<10	310
CC92525		<20	0.01	<10	<10	21	<10	182
CC92526		<20	0.02	<10	<10	41	<10	221
CC92527		<20	0.01	<10	<10	33	<10	138
CC92528		<20	0.01	<10	<10	38	<10	122
CC92529		<20	0.01	<10	10	39	<10	64
CC92530		<20	0.01	<10	<10	28	<10	149
CC92531		<20	0.01	<10	<10	27	<10	181
CC92532		<20	0.01	<10	<10	26	<10	483
CC92533		<20	<0.01	<10	<10	22	10	640
CC92534		<20	0.02	<10	<10	29	<10	198
CC92535		<20	<0.01	<10	<10	23	10	1980
CC92536		<20	0.01	<10	<10	35	10	2820
CC92537		<20	<0.01	<10	50	20	<10	181
CC92538		<20	0.01	<10	<10	20	<10	196
CC92539		<20	0.01	<10	<10	13	<10	1285
CC92540		<20	0.01	<10	<10	22	<10	119
CC92541		<20	0.01	<10	<10	10	<10	94
CC92542		<20	0.01	<10	<10	14	<10	728
CC92543		<20	0.01	<10	<10	10	<10	294
CC92544		<20	<0.01	<10	<10	1	<10	38
CC92545		<20	0.02	<10	<10	21	<10	190
CC92546		<20	0.02	<10	<10	16	<10	1850
CC92547		<20	0.02	<10	<10	23	<10	276
CC92548		<20	0.01	<10	<10	13	<10	357
CC92549		<20	0.02	<10	<10	29	<10	564
CC92550		<20	0.01	<10	<10	19	<10	342
CC92551		<20	0.01	<10	<10	19	<10	253

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CERTIFICATE OF ANALYSIS VA10086506

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non-sufficient sample.

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Finalized Date: 13-JUL-2010
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CERTIFICATE VA10086507

Project: RAU

P.O. No.: MH

This report is for 245 Soil samples submitted to our lab in Vancouver, BC, Canada on 29-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-31	Pulverize split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
PUL-QC	Pulverizing QC Test
SCR-43	Screen to -500um, discard plus
SCR-01	Screen - Save plus fraction

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Project: RAU

CERTIFICATE OF ANALYSIS VA10086507

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC88741		0.26	0.006	0.8	0.42	17	<10	120	<0.5	2	16.2	2.4	4	10	8	1.00
CC88742		0.28	0.009	2.8	0.43	22	10	140	<0.5	3	15.2	9.0	4	10	10	1.39
CC88743		0.44	0.010	0.8	0.05	10	<10	70	<0.5	4	19.4	1.8	1	3	1	0.47
CC88744		0.36	0.015	0.7	0.08	11	<10	130	<0.5	2	19.2	2.2	2	3	2	0.62
CC88745		0.34	0.257	1.6	0.11	58	<10	190	<0.5	52	18.5	2.2	4	7	11	1.52
CC88746		0.24	0.116	2.3	0.19	59	<10	110	<0.5	65	17.5	2.1	7	9	14	1.68
CC88747		0.32	0.040	0.6	0.25	37	<10	80	<0.5	5	17.3	0.6	6	10	9	1.41
CC88748		0.40	0.018	0.4	0.18	14	<10	80	<0.5	3	18.7	1.0	7	7	9	0.92
CC88749		0.30	0.141	1.4	0.66	84	<10	190	<0.5	46	17.1	2.5	11	38	23	2.58
CC88750		0.20	0.026	0.6	0.75	47	<10	190	<0.5	9	14.6	0.8	8	43	16	2.25
CC88751		0.36	0.018	0.6	3.39	39	<10	280	0.7	6	6.10	2.0	39	226	77	6.47
CC88752		0.54	0.009	0.3	4.00	28	<10	250	0.5	9	5.15	1.4	53	263	95	7.42
CC88753		0.34	0.005	0.3	1.31	29	<10	210	<0.5	<2	>25.0	0.7	23	58	62	3.89
CC88754		0.32	0.002	<0.2	1.12	9	<10	210	<0.5	<2	21.2	0.6	27	47	63	3.12
CC88755		0.30	0.001	0.3	0.28	6	<10	1180	<0.5	2	>25.0	1.7	5	9	12	1.27
CC88756		0.12	0.002	0.6	1.07	19	<10	140	0.6	<2	7.1	2.0	15	24	28	3.48
CC88757		0.24	0.002	0.3	0.97	7	<10	580	<0.5	<2	18.3	1.7	13	29	22	2.92
CC88758		0.32	0.002	<0.2	2.22	7	<10	250	0.6	<2	3.38	<0.5	32	108	57	4.44
CC88759		0.44	0.001	<0.2	0.73	7	<10	140	<0.5	<2	19.1	<0.5	14	19	18	3.61
CC88760		0.20	0.002	0.3	1.57	7	<10	380	0.6	<2	7.2	0.8	20	54	36	4.20
CC88761		0.30	0.002	<0.2	1.68	12	<10	620	<0.5	2	8.7	0.7	33	76	52	5.28
CC88762		0.22	0.002	0.3	1.39	15	<10	460	<0.5	2	3.15	1.4	22	50	45	4.62
CC88763		0.26	0.003	0.8	0.90	17	<10	540	0.6	<2	11.4	1.8	10	13	27	2.87
CC88764		0.42	0.002	0.6	1.73	12	<10	1590	<0.5	<2	12.3	1.3	18	66	34	3.53
CC88765		0.46	0.004	0.8	1.25	17	<10	1100	0.6	<2	6.9	1.7	9	21	27	2.85
CC88766		0.28	0.003	0.6	1.01	15	<10	930	0.6	2	10.0	1.7	8	16	27	2.31
CC88767		0.30	0.002	0.8	1.03	17	<10	360	0.6	2	9.0	3.2	8	17	23	2.44
CC88768		0.24	0.006	0.4	1.48	15	<10	210	0.8	3	2.76	1.8	12	25	17	3.25
CC88769		0.34	0.002	0.4	0.73	10	<10	130	0.6	<2	10.2	1.3	10	13	19	2.21
CC88770		0.30	0.003	0.3	1.01	11	<10	150	0.6	<2	8.6	1.0	9	17	15	2.25
CC88771		0.30	0.003	0.4	1.28	11	<10	180	0.7	<2	4.47	1.8	10	21	19	2.63
CC88772		0.34	0.003	0.4	1.10	13	<10	410	0.6	<2	8.8	1.5	8	18	23	2.20
CC88773		0.22	0.006	0.4	1.13	15	<10	210	0.8	<2	8.4	2.4	7	16	22	2.07
CC88774		0.24	0.021	0.4	1.42	15	<10	180	0.8	<2	5.59	2.3	8	23	17	2.71
CC88775		0.18	0.005	<0.2	0.80	8	<10	110	<0.5	<2	6.48	1.5	4	12	17	1.31
CC88776		0.38	0.004	1.0	1.47	21	<10	430	0.9	<2	4.02	2.9	10	24	24	2.88
CC88777		0.28	0.003	0.7	1.27	17	<10	470	0.7	<2	4.43	2.0	8	22	22	2.46
CC88778		0.30	0.002	0.6	1.24	17	<10	220	0.7	<2	6.24	1.7	7	21	19	2.26
CC88779		0.18	0.011	0.8	1.57	17	<10	270	0.9	<2	2.40	2.0	10	28	18	2.88
CC88780		0.16	0.006	0.4	1.37	15	<10	230	0.9	<2	1.58	1.6	9	26	20	2.64

***** See Appendix Page for comments regarding this certificate *****

ALS Chemex
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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10086507

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC88741		<10	<1	0.05	10	9.72	1055	3	0.02	18	520	137	0.04	2	1	65
CC88742		<10	1	0.04	10	8.88	2180	4	0.03	20	870	624	0.08	3	1	55
CC88743		<10	1	0.01	10	11.70	779	2	0.02	9	80	161	<0.01	2	<1	69
CC88744		<10	<1	0.01	10	11.70	1305	2	0.02	13	110	262	<0.01	3	<1	77
CC88745		<10	1	0.03	10	11.15	1160	5	0.02	35	300	481	<0.01	5	1	77
CC88746		<10	1	0.05	10	10.55	846	4	0.03	42	530	389	<0.01	6	1	73
CC88747		<10	1	0.05	10	10.50	666	15	0.03	42	600	99	<0.01	3	1	64
CC88748		<10	1	0.03	10	11.35	513	7	0.02	36	450	109	<0.01	2	1	66
CC88749		<10	1	0.09	10	10.55	1040	6	0.03	54	830	425	<0.01	5	3	69
CC88750		<10	<1	0.06	10	8.97	753	9	0.02	47	2200	99	0.06	2	2	58
CC88751		10	1	0.20	20	6.51	841	10	0.02	179	2810	169	0.04	4	10	54
CC88752		10	1	0.28	30	5.50	935	3	0.02	221	2380	83	0.08	2	10	60
CC88753		<10	1	0.20	20	0.81	792	<1	<0.01	80	1390	85	<0.01	<2	4	127
CC88754		<10	<1	0.19	20	0.57	1040	<1	0.02	76	1000	48	<0.01	<2	3	94
CC88755		<10	<1	0.08	10	0.50	1400	<1	0.03	16	350	111	<0.01	<2	1	156
CC88756		<10	<1	0.23	30	0.93	1285	<1	0.03	45	1480	102	0.14	2	2	49
CC88757		<10	1	0.40	20	0.92	1100	<1	0.03	45	1230	161	<0.01	<2	2	202
CC88758		<10	1	0.43	20	1.80	890	<1	0.02	155	1530	21	0.06	<2	5	45
CC88759		<10	<1	0.20	20	0.85	572	<1	0.02	42	950	11	<0.01	<2	3	620
CC88760		<10	1	0.36	30	2.29	1245	<1	0.02	67	1780	241	0.09	<2	3	76
CC88761		<10	1	0.35	10	3.69	1185	<1	0.02	120	660	22	0.12	<2	5	67
CC88762		<10	1	0.26	10	1.83	1540	<1	0.02	89	870	40	0.08	<2	3	23
CC88763		<10	1	0.33	20	3.21	1515	<1	0.03	36	750	92	0.06	4	3	88
CC88764		<10	1	0.20	10	2.61	674	<1	0.03	66	930	77	0.06	2	5	128
CC88765		<10	<1	0.19	20	3.08	879	1	0.04	34	540	74	0.04	3	3	57
CC88766		<10	<1	0.24	20	5.11	940	1	0.04	30	590	88	0.05	3	3	72
CC88767		<10	1	0.13	20	5.20	1530	1	0.03	28	670	103	0.06	<2	2	56
CC88768		<10	1	0.11	20	1.61	1340	1	0.02	29	800	59	0.07	<2	2	23
CC88769		<10	<1	0.09	20	6.04	743	1	0.02	31	490	53	0.04	2	2	60
CC88770		<10	1	0.11	20	5.18	590	<1	0.02	28	550	45	0.05	<2	3	48
CC88771		<10	<1	0.10	20	3.04	1230	1	0.02	31	750	70	0.05	<2	2	33
CC88772		<10	<1	0.09	10	5.20	1170	1	0.04	28	610	64	0.06	2	2	46
CC88773		<10	<1	0.10	10	4.46	1550	3	0.03	25	1490	90	0.19	3	1	36
CC88774		<10	<1	0.09	10	3.45	1310	2	0.03	26	950	89	0.08	3	2	33
CC88775		<10	1	0.06	10	3.18	672	1	0.03	14	1110	32	0.20	2	1	22
CC88776		<10	<1	0.08	10	2.24	2130	2	0.03	30	1180	157	0.11	5	1	26
CC88777		<10	<1	0.10	10	2.53	1135	2	0.03	28	880	89	0.10	4	2	34
CC88778		<10	<1	0.09	10	4.13	1005	2	0.03	25	860	93	0.07	3	2	36
CC88779		<10	<1	0.09	20	1.37	1275	2	0.03	30	960	85	0.10	3	2	21
CC88780		<10	<1	0.09	10	0.81	1425	2	0.03	29	960	58	0.11	3	2	19

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
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Project: RAU

Finalized Date: 13-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10086507

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC88741		<20	0.01	<10	<10	23	<10	709
CC88742		<20	0.01	<10	<10	25	<10	1505
CC88743		<20	<0.01	<10	<10	8	<10	474
CC88744		<20	<0.01	<10	<10	11	<10	673
CC88745		<20	<0.01	<10	<10	28	10	673
CC88746		<20	<0.01	<10	<10	36	10	647
CC88747		<20	<0.01	<10	<10	31	<10	287
CC88748		<20	<0.01	<10	<10	20	<10	370
CC88749		<20	0.01	<10	<10	37	10	611
CC88750		<20	0.01	<10	10	49	10	214
CC88751		<20	0.07	<10	<10	132	<10	627
CC88752		<20	0.05	<10	<10	112	<10	435
CC88753		<20	0.01	<10	<10	32	<10	307
CC88754		<20	<0.01	<10	<10	26	<10	239
CC88755		<20	<0.01	<10	<10	8	<10	464
CC88756		<20	0.01	<10	<10	26	<10	688
CC88757		<20	0.02	<10	<10	17	<10	502
CC88758		<20	0.02	<10	<10	39	<10	215
CC88759		<20	0.01	<10	<10	11	<10	108
CC88760		<20	0.02	<10	<10	30	<10	303
CC88761		<20	0.08	<10	<10	40	<10	236
CC88762		<20	0.04	<10	<10	34	<10	409
CC88763		<20	0.01	<10	<10	15	<10	580
CC88764		<20	0.10	<10	<10	36	<10	452
CC88765		<20	0.03	<10	<10	37	<10	523
CC88766		<20	0.02	<10	<10	27	<10	539
CC88767		<20	0.02	<10	<10	32	<10	759
CC88768		<20	0.02	<10	<10	43	<10	491
CC88769		<20	0.01	<10	<10	21	<10	336
CC88770		<20	0.02	<10	<10	28	<10	296
CC88771		<20	0.02	<10	<10	37	<10	519
CC88772		<20	0.02	<10	<10	33	<10	465
CC88773		<20	0.01	<10	<10	37	<10	673
CC88774		<20	0.02	<10	<10	49	<10	737
CC88775		<20	0.01	<10	<10	24	<10	319
CC88776		<20	0.02	<10	<10	49	<10	741
CC88777		<20	0.02	<10	<10	44	<10	582
CC88778		<20	0.02	<10	<10	42	<10	499
CC88779		<20	0.02	<10	<10	56	<10	510
CC88780		<20	0.02	<10	<10	49	<10	373

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1016-510 W HASTINGS ST
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Project: RAU

CERTIFICATE OF ANALYSIS VA10086507

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC88781		0.24	0.003	0.3	1.32	13	<10	230	0.7	<2	2.14	1.2	8	25	14	2.45
CC88782		0.26	0.003	0.3	1.96	17	<10	240	0.8	<2	0.98	2.0	11	33	11	3.27
CC88783		0.32	0.005	0.5	0.65	19	<10	140	<0.5	<2	11.5	1.1	4	15	13	1.47
CC88784		0.28	0.003	0.6	1.09	17	<10	230	0.5	<2	10.0	2.8	6	18	13	1.81
CC88785		0.14	0.003	0.4	1.86	15	<10	240	0.8	<2	2.11	2.4	10	33	12	3.02
CC88786		0.20	0.007	0.5	1.86	30	<10	230	0.9	<2	2.47	1.8	10	34	16	3.02
CC88787		0.16	<0.001	0.2	1.98	11	<10	230	0.8	<2	1.88	1.5	10	37	18	2.85
CC88788		0.14	0.001	0.3	1.86	15	<10	250	0.8	<2	2.00	0.8	9	38	14	3.00
CC88789		0.16	0.001	0.2	2.22	14	<10	230	0.9	<2	0.88	1.2	10	37	12	3.18
CC88790		0.20	0.004	0.4	1.92	18	<10	250	1.1	<2	0.90	1.3	11	33	20	3.25
CC88791		0.22	0.001	0.5	1.04	11	<10	240	0.6	<2	11.5	2.3	5	17	18	1.71
CC88792		0.28	0.002	0.9	0.68	9	<10	510	<0.5	<2	14.3	1.4	4	11	17	1.31
CC88793		0.24	0.015	1.7	0.39	6	<10	1640	<0.5	<2	17.4	1.2	2	8	16	0.84
CC88794		0.18	0.002	<0.2	0.39	7	<10	100	<0.5	<2	18.8	<0.5	3	7	8	0.82
CC88795		0.20	0.004	0.4	0.34	7	<10	110	<0.5	<2	18.7	2.4	2	6	8	0.69
CC88796		0.14	0.006	0.6	0.71	13	<10	2010	0.6	<2	14.4	2.7	4	10	14	1.72
CC88797		0.14	0.002	0.5	0.79	9	<10	140	<0.5	<2	13.4	1.1	4	11	14	1.34
CC88798		0.22	0.004	0.4	0.44	7	<10	260	<0.5	<2	17.2	2.2	2	7	9	0.82
CC88799		0.14	0.001	0.5	0.60	8	<10	220	0.5	<2	13.7	2.2	4	9	12	1.46
CC88800		0.16	0.002	0.6	1.05	15	<10	320	0.7	<2	9.8	2.5	7	17	16	2.21
CC88801		0.26	0.005	0.9	0.59	11	<10	970	0.5	<2	12.9	3.1	6	11	14	2.00
CC88802		0.26	0.004	1.1	0.89	12	<10	1610	0.7	<2	8.3	3.8	8	17	23	2.39
CC88803		0.22	0.002	0.3	0.91	8	<10	270	0.5	<2	14.7	1.1	7	13	15	2.18
CC88804		0.22	0.003	0.9	0.55	16	<10	440	0.5	<2	15.4	1.4	8	7	22	2.27
CC88805		0.22	0.004	1.3	0.87	16	<10	1210	0.7	<2	6.11	2.6	10	13	28	3.06
CC88806		0.16	0.004	1.1	1.18	18	<10	1270	0.7	<2	7.8	1.9	11	21	35	3.02
CC88807		0.20	0.005	0.2	2.31	38	<10	500	<0.5	<2	2.31	1.1	42	113	76	7.26
CC88808		0.18	0.002	<0.2	4.61	3	<10	750	<0.5	<2	1.29	0.7	48	241	99	8.21
CC88809		0.16	0.003	0.2	0.67	12	<10	530	<0.5	<2	16.4	0.9	5	15	14	1.73
CC88810		0.16	0.004	0.4	0.51	10	<10	160	<0.5	<2	24.0	0.6	5	10	15	1.69
CC88811		0.14	0.002	0.2	1.94	7	<10	290	0.6	<2	6.25	<0.5	25	81	50	5.07
CC88812		0.26	0.001	<0.2	1.71	10	<10	110	<0.5	<2	16.6	0.7	21	76	41	4.33
CC88813		0.18	0.001	<0.2	0.62	10	<10	30	<0.5	<2	21.6	<0.5	10	12	13	2.47
CC88814		0.14	0.003	0.5	0.73	12	<10	200	<0.5	<2	22.0	1.7	10	11	24	2.45
CC88815		0.12	0.001	<0.2	0.36	21	<10	90	<0.5	<2	24.2	<0.5	11	11	11	2.31
CC88816		0.16	0.009	<0.2	0.08	5	<10	320	<0.5	<2	>25.0	0.7	2	2	3	0.73
CC88817		0.20	0.002	0.3	0.09	8	<10	150	<0.5	<2	>25.0	0.6	1	2	4	0.50
CC88818		0.14	<0.001	0.5	2.89	8	<10	650	0.5	<2	8.1	1.0	53	164	125	6.38
CC88819		0.14	<0.001	0.8	2.80	4	<10	380	0.6	<2	2.36	1.3	47	173	147	7.16
CC88820		0.12	<0.001	0.3	4.21	8	<10	300	0.7	<2	3.40	0.7	53	326	126	7.60

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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC88781		<10	<1	0.08	10	1.01	893	1	0.03	22	990	42	0.11	2	1	18
CC88782		<10	<1	0.07	20	0.57	1130	1	0.02	24	1090	89	0.08	3	2	13
CC88783		<10	<1	0.05	10	6.62	541	1	0.03	23	830	62	0.04	2	2	44
CC88784		<10	<1	0.07	20	5.43	1270	1	0.03	27	1140	84	0.09	3	1	39
CC88785		10	<1	0.10	30	0.89	1250	1	0.03	25	1080	65	0.10	2	2	21
CC88786		<10	<1	0.10	30	1.52	1155	1	0.04	35	920	69	0.06	<2	2	23
CC88787		<10	<1	0.08	20	0.85	694	1	0.03	27	1290	24	0.12	<2	1	19
CC88788		<10	<1	0.12	20	1.41	824	1	0.04	28	750	37	0.05	<2	3	21
CC88789		10	<1	0.07	30	0.61	713	1	0.03	25	920	76	0.06	2	2	16
CC88790		10	<1	0.09	20	0.79	780	3	0.03	34	830	77	0.06	2	3	19
CC88791		<10	<1	0.08	10	6.78	738	2	0.04	18	820	58	0.08	4	2	38
CC88792		<10	<1	0.04	10	8.49	769	1	0.04	14	540	42	0.05	7	1	41
CC88793		<10	<1	0.04	10	10.35	322	1	0.03	11	410	48	<0.01	8	1	61
CC88794		<10	<1	0.06	10	11.15	320	1	0.04	13	430	20	<0.01	<2	1	37
CC88795		<10	<1	0.03	10	10.95	984	1	0.03	9	430	65	<0.01	2	1	46
CC88796		<10	<1	0.08	10	8.37	2390	2	0.04	16	660	81	0.11	3	1	59
CC88797		<10	<1	0.09	10	7.80	698	1	0.04	15	730	31	0.08	<2	1	32
CC88798		<10	<1	0.05	10	10.10	947	<1	0.03	10	460	35	0.06	<2	1	47
CC88799		<10	<1	0.08	10	7.86	1440	2	0.04	14	670	61	0.10	<2	1	70
CC88800		<10	<1	0.12	10	5.74	1685	1	0.04	21	670	91	0.08	2	2	59
CC88801		<10	<1	0.06	10	7.44	2450	1	0.04	22	410	142	0.07	2	2	69
CC88802		<10	<1	0.08	10	4.84	1890	1	0.04	26	590	94	0.10	5	2	58
CC88803		<10	<1	0.13	10	2.07	931	<1	0.03	21	570	31	0.07	<2	2	172
CC88804		<10	<1	0.15	10	2.89	1250	<1	0.03	22	640	71	0.08	3	2	142
CC88805		<10	<1	0.18	20	1.71	1950	<1	0.03	28	930	86	0.13	5	2	58
CC88806		<10	<1	0.29	10	1.56	1795	<1	0.04	32	850	82	0.12	6	2	73
CC88807		10	<1	0.23	10	2.85	1160	<1	0.03	174	990	51	0.10	2	7	22
CC88808		10	<1	0.49	10	4.66	979	<1	0.02	213	630	18	0.11	<2	13	19
CC88809		<10	<1	0.09	10	6.18	1360	<1	0.03	19	520	31	0.04	2	2	94
CC88810		<10	<1	0.11	10	1.22	423	<1	0.02	19	430	30	<0.01	<2	2	169
CC88811		<10	<1	0.23	20	1.61	1240	<1	0.02	93	1490	23	0.09	<2	4	131
CC88812		<10	<1	0.19	20	1.86	1170	<1	0.02	88	1170	43	<0.01	<2	5	600
CC88813		<10	1	0.19	10	2.11	425	<1	0.02	30	750	16	<0.01	<2	3	671
CC88814		<10	1	0.20	20	0.85	1480	<1	0.02	24	1010	244	<0.01	<2	2	359
CC88815		<10	<1	0.16	10	0.61	347	1	0.02	36	680	26	<0.01	<2	1	196
CC88816		<10	<1	0.03	<10	0.65	812	<1	0.01	6	220	100	<0.01	<2	1	171
CC88817		<10	<1	0.02	<10	0.28	1195	<1	0.01	3	170	138	<0.01	<2	<1	163
CC88818		10	1	0.39	30	1.28	1845	<1	0.03	189	1740	210	0.06	<2	8	51
CC88819		10	1	0.26	30	1.76	2820	<1	0.02	188	1760	282	0.11	2	6	27
CC88820		10	1	0.42	40	4.17	780	<1	0.01	235	1820	44	0.09	<2	11	46

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 13-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10086507

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC88781		<20	0.02	<10	<10	52	<10	213
CC88782		<20	0.03	<10	<10	83	<10	474
CC88783		<20	0.02	<10	<10	33	<10	377
CC88784		<20	0.02	<10	<10	46	<10	506
CC88785		<20	0.03	<10	<10	77	<10	408
CC88786		<20	0.03	<10	<10	67	<10	360
CC88787		<20	0.02	<10	<10	75	<10	207
CC88788		<20	0.04	<10	<10	67	<10	186
CC88789		<20	0.02	<10	<10	70	<10	296
CC88790		<20	0.03	<10	<10	63	<10	421
CC88791		<20	0.02	<10	<10	34	<10	490
CC88792		<20	0.02	<10	<10	25	<10	446
CC88793		<20	0.01	<10	<10	18	<10	202
CC88794		<20	0.01	<10	<10	15	<10	222
CC88795		<20	0.01	<10	<10	14	<10	519
CC88796		<20	0.01	<10	<10	23	<10	902
CC88797		<20	0.01	<10	<10	22	<10	393
CC88798		<20	0.01	<10	<10	13	<10	653
CC88799		<20	0.01	<10	<10	19	<10	623
CC88800		<20	0.02	<10	<10	32	<10	704
CC88801		<20	0.02	<10	<10	21	<10	763
CC88802		<20	0.02	<10	<10	31	<10	929
CC88803		<20	0.01	<10	<10	24	<10	276
CC88804		<20	0.01	<10	<10	12	<10	508
CC88805		<20	0.01	<10	<10	20	<10	660
CC88806		<20	0.01	<10	<10	26	<10	613
CC88807		<20	0.08	<10	<10	54	<10	333
CC88808		<20	0.20	<10	<10	109	<10	216
CC88809		<20	0.02	<10	<10	24	<10	328
CC88810		<20	0.01	<10	<10	13	<10	220
CC88811		<20	0.03	<10	<10	39	<10	153
CC88812		<20	0.04	<10	<10	30	<10	282
CC88813		<20	0.01	<10	<10	11	<10	147
CC88814		<20	0.01	<10	<10	12	<10	593
CC88815		<20	<0.01	<10	<10	9	<10	246
CC88816		<20	<0.01	<10	<10	4	<10	220
CC88817		<20	<0.01	<10	<10	4	<10	171
CC88818		<20	0.01	<10	<10	69	<10	351
CC88819		<20	0.01	<10	<10	69	<10	341
CC88820		<20	0.09	<10	<10	129	<10	280

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Project: RAU

Finalized Date: 13-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10086507

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC88821		0.16	0.021	0.7	1.23	58	<10	1980	<0.5	<2	16.1	4.0	15	74	46	2.72
CC88822		0.18	0.428	4.0	3.49	434	<10	1270	0.9	98	4.35	6.3	51	182	153	13.05
CC88823		0.16	0.046	2.4	0.71	337	<10	260	<0.5	54	16.3	5.7	10	34	72	3.76
CC88824		0.12	0.051	0.8	0.21	150	<10	70	<0.5	12	18.3	1.0	5	25	27	1.93
CC88825		0.18	0.024	<0.2	0.10	17	<10	20	<0.5	<2	19.1	<0.5	1	5	5	0.78
CC88826		0.24	0.041	0.4	0.23	24	<10	50	<0.5	2	17.6	0.8	2	7	6	1.16
CC88827		0.22	0.016	0.5	1.21	18	<10	150	0.5	<2	4.29	1.4	8	22	18	2.47
CC88828		0.16	0.006	0.9	0.21	20	<10	140	<0.5	2	18.7	2.1	2	6	7	0.98
CC88829		0.30	0.001	0.2	0.21	12	<10	50	<0.5	<2	18.7	<0.5	1	8	9	0.50
CC88830		0.36	0.002	0.5	0.33	7	<10	90	<0.5	<2	12.8	1.4	2	10	7	0.77
CC88831		0.26	<0.001	0.2	0.30	6	<10	70	<0.5	<2	18.1	0.7	2	10	8	0.54
CC88832		0.22	<0.001	0.2	0.42	11	<10	110	<0.5	<2	16.2	0.7	3	13	11	0.80
CC88833		0.34	0.001	0.8	0.46	11	<10	50	<0.5	<2	16.3	1.0	3	11	14	0.98
CC88834		0.30	0.002	0.4	0.09	13	<10	40	<0.5	<2	19.3	0.6	1	5	7	0.49
CC88835		0.22	0.009	1.2	0.14	15	<10	70	<0.5	<2	19.3	5.0	1	5	9	0.71
CC88836		0.22	0.002	1.0	0.39	12	<10	110	<0.5	<2	12.6	2.9	2	8	12	1.06
CC88837		0.24	0.006	2.1	1.04	26	<10	620	0.6	4	9.9	4.1	6	16	20	2.62
CC88838		0.34	0.016	1.0	1.01	28	<10	130	0.6	4	7.4	1.5	9	17	25	2.53
CC88839		0.24	0.004	0.3	0.35	15	<10	70	<0.5	<2	>25.0	0.6	2	7	13	0.95
CC88840		0.36	0.003	<0.2	0.32	13	<10	70	<0.5	<2	>25.0	0.6	1	4	8	0.65
CC88841		0.24	0.001	<0.2	0.30	21	<10	50	<0.5	<2	>25.0	0.6	1	4	7	0.70
CC88842		0.30	0.001	<0.2	0.23	15	<10	30	<0.5	<2	>25.0	1.0	1	3	6	0.96
CC88843		0.36	0.004	1.0	0.33	37	<10	580	<0.5	<2	>25.0	2.2	2	5	18	1.15
CC88844		0.28	0.005	0.6	0.88	34	<10	170	0.6	<2	5.87	0.8	25	30	57	4.34
CC88845		0.28	<0.001	0.2	0.98	13	<10	240	0.7	<2	1.28	0.5	23	31	49	4.04
CC88846		0.28	<0.001	0.2	0.23	8	<10	40	<0.5	<2	23.4	<0.5	5	3	9	1.31
CC88847		0.22	<0.001	<0.2	0.33	6	<10	40	<0.5	<2	23.5	<0.5	4	6	5	1.31
CC88848		0.28	<0.001	0.2	0.68	5	<10	60	<0.5	<2	21.1	<0.5	5	9	8	1.30
CC88849		0.22	<0.001	<0.2	2.47	3	<10	140	<0.5	<2	1.00	<0.5	44	150	44	4.56
CC88850		0.30	0.002	1.1	0.37	7	<10	100	<0.5	<2	20.5	1.7	4	12	9	2.17
CC88851		0.32	<0.001	0.2	0.18	2	<10	110	<0.5	<2	>25.0	<0.5	1	2	2	0.81
CC88852		0.26	<0.001	0.5	0.43	8	<10	90	<0.5	<2	15.6	0.8	3	7	6	0.95
CC88853		0.28	<0.001	0.4	0.62	8	<10	140	<0.5	<2	12.5	1.3	5	10	12	1.62
CC88854		0.32	0.019	0.4	0.31	23	<10	170	<0.5	<2	12.1	0.8	21	11	30	4.53
CC88855		0.24	0.007	0.6	0.16	27	<10	210	<0.5	2	24.6	<0.5	6	4	9	1.40
CC88856		0.26	<0.001	<0.2	0.31	4	<10	40	<0.5	<2	21.9	<0.5	4	3	9	1.01
CC88857		0.26	0.001	0.2	0.35	10	<10	40	<0.5	<2	21.6	<0.5	6	5	10	1.51
CC88858		0.26	0.017	0.4	0.38	6	<10	100	0.5	<2	17.8	<0.5	8	5	19	1.48
CC88859		0.30	<0.001	0.8	0.32	7	<10	470	0.6	<2	14.6	2.5	6	5	11	1.39
CC88860		0.30	<0.001	0.4	0.29	6	<10	120	<0.5	<2	15.5	1.0	5	5	6	0.94

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Project: RAU

CERTIFICATE OF ANALYSIS VA10086507

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC88821		<10	<1	0.15	10	9.33	1210	15	0.03	82	2410	541	<0.01	6	3	106
CC88822		10	1	0.23	20	3.31	1770	16	0.02	206	3620	2950	0.17	17	10	81
CC88823		<10	1	0.12	10	9.69	1240	13	0.02	61	2400	1380	<0.01	19	2	76
CC88824		<10	<1	0.03	10	10.95	469	4	0.02	24	340	275	<0.01	4	1	64
CC88825		<10	<1	0.01	<10	11.50	349	5	0.02	8	190	27	<0.01	<2	<1	67
CC88826		<10	1	0.03	10	10.45	470	4	0.02	11	510	82	<0.01	2	1	65
CC88827		<10	<1	0.08	10	2.61	912	3	0.02	24	1020	73	0.09	<2	1	28
CC88828		<10	<1	0.03	10	10.90	2030	7	0.03	20	530	164	<0.01	<2	1	89
CC88829		<10	<1	0.02	<10	11.35	497	<1	0.02	7	220	48	<0.01	3	<1	50
CC88830		<10	1	0.02	<10	7.64	1050	<1	0.02	7	450	161	0.06	3	1	34
CC88831		<10	<1	0.02	10	10.95	571	<1	0.02	7	520	54	<0.01	2	<1	59
CC88832		<10	1	0.03	10	9.58	542	<1	0.02	10	1160	51	0.09	<2	<1	52
CC88833		<10	<1	0.04	10	9.78	580	1	0.02	12	650	168	0.04	2	1	60
CC88834		<10	<1	0.02	10	11.60	437	2	0.02	10	370	77	<0.01	<2	1	80
CC88835		<10	<1	0.02	10	11.60	1330	2	0.02	13	320	417	<0.01	3	1	76
CC88836		<10	1	0.03	10	6.73	2080	4	0.02	11	1920	267	0.17	3	1	54
CC88837		<10	<1	0.06	10	5.28	3760	6	0.02	28	2120	859	0.16	5	1	45
CC88838		<10	<1	0.08	10	3.98	1330	1	0.02	33	1570	171	0.13	4	1	29
CC88839		<10	<1	0.04	<10	0.27	394	<1	0.01	9	590	71	<0.01	2	1	117
CC88840		<10	<1	0.05	10	0.35	473	<1	0.02	5	540	34	<0.01	<2	1	131
CC88841		<10	<1	0.04	10	0.21	463	<1	0.02	4	390	29	<0.01	<2	1	125
CC88842		<10	<1	0.04	10	0.17	547	<1	0.01	5	440	52	<0.01	<2	1	124
CC88843		<10	1	0.05	10	0.23	831	<1	0.02	8	360	309	<0.01	6	1	167
CC88844		<10	<1	0.38	20	1.14	1700	1	0.02	66	1330	52	0.10	2	2	73
CC88845		<10	<1	0.38	40	0.43	2180	<1	0.01	44	1830	20	0.07	<2	2	45
CC88846		<10	<1	0.11	10	2.17	200	2	0.01	14	340	3	<0.01	<2	2	223
CC88847		<10	<1	0.14	10	2.15	244	<1	0.02	12	250	2	<0.01	<2	2	381
CC88848		<10	<1	0.10	10	1.54	342	<1	0.02	11	600	6	<0.01	<2	1	182
CC88849		10	<1	0.16	10	2.23	1295	<1	0.01	221	1060	4	0.10	<2	5	34
CC88850		<10	<1	0.07	10	3.79	2170	<1	0.02	16	420	97	<0.01	2	2	179
CC88851		<10	<1	0.02	<10	0.27	3630	<1	0.01	2	160	8	<0.01	<2	1	128
CC88852		<10	<1	0.03	10	9.09	1605	<1	0.02	5	400	27	0.05	<2	1	43
CC88853		<10	<1	0.08	10	6.82	2310	<1	0.02	14	670	50	0.08	<2	1	48
CC88854		<10	<1	0.17	10	4.49	1275	2	0.02	84	450	44	0.27	<2	3	76
CC88855		<10	<1	0.08	<10	0.78	1070	<1	0.02	20	200	37	<0.01	<2	2	266
CC88856		<10	<1	0.10	10	2.02	226	<1	0.02	7	160	6	<0.01	2	2	252
CC88857		<10	<1	0.12	10	1.36	285	<1	0.02	13	260	10	<0.01	<2	2	182
CC88858		<10	<1	0.13	10	3.53	458	<1	0.02	14	370	32	<0.01	5	2	145
CC88859		<10	<1	0.09	10	8.34	1445	<1	0.02	16	490	61	0.05	3	1	99
CC88860		<10	<1	0.05	10	9.26	823	<1	0.02	10	260	22	0.04	<2	1	97

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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC88821		<20	0.02	<10	10	92	<10	864
CC88822		<20	0.06	<10	<10	125	20	2690
CC88823		<20	0.02	<10	10	102	20	1620
CC88824		<20	0.01	<10	<10	28	20	312
CC88825		<20	<0.01	<10	<10	24	<10	59
CC88826		<20	0.01	<10	10	34	<10	386
CC88827		<20	0.02	<10	<10	63	<10	277
CC88828		<20	<0.01	<10	<10	34	10	474
CC88829		<20	0.01	<10	<10	44	<10	158
CC88830		<20	0.01	<10	<10	54	<10	486
CC88831		<20	0.01	<10	<10	40	<10	144
CC88832		<20	0.01	<10	<10	46	<10	136
CC88833		<20	0.01	<10	<10	44	<10	230
CC88834		<20	<0.01	<10	<10	18	<10	199
CC88835		<20	<0.01	<10	<10	29	<10	1070
CC88836		<20	<0.01	<10	<10	56	<10	446
CC88837		<20	0.01	<10	<10	88	<10	719
CC88838		<20	0.01	<10	<10	44	<10	371
CC88839		<20	0.01	<10	<10	10	<10	264
CC88840		<20	0.01	<10	<10	7	<10	165
CC88841		<20	0.01	<10	<10	7	<10	163
CC88842		<20	<0.01	<10	<10	6	<10	260
CC88843		<20	0.01	<10	<10	8	<10	697
CC88844		<20	0.04	<10	<10	20	<10	253
CC88845		<20	0.03	<10	<10	20	<10	120
CC88846		<20	0.01	<10	<10	1	<10	35
CC88847		<20	0.01	<10	<10	1	<10	38
CC88848		<20	0.01	<10	<10	11	<10	96
CC88849		<20	0.05	<10	<10	49	<10	116
CC88850		<20	0.01	<10	<10	6	<10	472
CC88851		<20	<0.01	<10	<10	<1	<10	94
CC88852		<20	0.01	<10	<10	14	<10	208
CC88853		<20	0.01	<10	<10	16	<10	406
CC88854		<20	<0.01	<10	<10	6	<10	270
CC88855		<20	<0.01	<10	<10	<1	<10	116
CC88856		<20	<0.01	<10	<10	1	<10	40
CC88857		<20	0.01	<10	<10	3	<10	52
CC88858		<20	0.01	<10	<10	5	<10	178
CC88859		<20	0.01	<10	<10	7	<10	686
CC88860		<20	0.01	<10	<10	6	<10	301

***** See Appendix Page for comments regarding this certificate *****

ALS Chemex
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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10086507

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC88861		0.34	<0.001	0.5	0.37	6	<10	2200	0.5	<2	14.1	2.1	6	6	9	1.30
CC88862		0.32	0.003	0.5	0.55	10	<10	290	0.5	<2	12.7	1.5	6	9	13	1.59
CC88863		0.24	<0.001	0.4	0.30	5	<10	210	<0.5	<2	15.3	2.1	3	4	6	1.07
CC88864		0.32	<0.001	0.3	0.21	5	<10	1220	<0.5	<2	18.0	1.3	1	3	4	0.42
CC88865		0.26	<0.001	0.6	0.62	11	<10	330	<0.5	<2	13.8	1.8	4	9	10	1.36
CC88866		0.28	0.002	0.3	0.18	<2	<10	440	<0.5	<2	18.0	1.5	2	2	3	0.62
CC88867		0.26	<0.001	0.5	0.28	2	<10	130	<0.5	<2	16.9	0.9	2	4	5	0.56
CC88868		0.24	<0.001	0.5	1.57	12	<10	340	0.7	11	3.79	1.4	10	26	17	2.58
CC88869		0.20	0.001	0.7	1.86	19	<10	450	0.9	<2	2.02	3.2	12	31	23	3.14
CC88870		0.32	0.003	0.8	1.53	19	<10	930	0.8	<2	3.21	1.9	10	25	18	2.81
CC88871		0.10	<0.001	0.2	1.30	14	<10	370	<0.5	<2	0.67	2.3	7	19	9	2.17
CC88872		0.22	0.003	7.8	0.80	36	<10	3010	0.6	<2	11.1	8.9	5	13	114	2.62
CC88873		0.10	0.007	0.4	0.43	6	<10	260	<0.5	<2	6.12	1.5	3	6	11	0.78
CC88874		0.18	0.001	0.5	1.49	17	<10	450	0.7	<2	1.92	6.3	7	25	13	2.39
CC88875		0.12	<0.001	0.6	1.62	11	<10	470	0.8	<2	2.28	4.2	9	30	16	2.69
CC88876		0.18	<0.001	0.5	1.70	17	<10	180	0.8	<2	4.60	1.5	9	27	12	2.56
CC88877		0.22	0.001	0.3	1.98	17	<10	230	0.8	<2	2.55	2.0	9	32	11	2.82
CC88878		0.12	<0.001	0.5	1.33	10	<10	290	0.5	<2	2.93	2.1	8	33	16	2.04
CC88880		0.12	0.052	0.2	2.06	29	<10	120	0.5	6	2.18	<0.5	27	114	120	4.28
CC88881		0.16	0.006	<0.2	1.46	14	<10	140	<0.5	2	10.0	0.6	19	47	52	3.69
CC88882		0.26	<0.001	<0.2	0.47	6	<10	60	<0.5	<2	>25.0	0.7	2	5	4	0.93
CC88883		0.30	0.001	1.3	0.51	7	<10	470	<0.5	<2	>25.0	0.8	3	7	5	1.20
CC88884		0.18	<0.001	<0.2	0.75	13	<10	250	0.8	<2	0.84	<0.5	14	15	20	4.84
CC88885		0.20	0.004	<0.2	2.12	21	<10	240	<0.5	4	1.86	<0.5	53	112	98	5.45
CC88886		0.16	0.002	<0.2	1.10	12	<10	140	0.6	2	4.32	0.9	11	19	28	3.11
CC88887		0.24	<0.001	0.6	0.93	21	<10	120	<0.5	2	14.5	1.3	6	16	16	2.95
CC88888		0.30	0.001	<0.2	0.33	3	<10	70	<0.5	<2	>25.0	0.8	3	5	4	0.71
CC88889		0.18	<0.001	<0.2	2.59	<2	<10	140	0.8	<2	0.52	<0.5	58	203	105	8.29
CC88890		0.24	0.005	<0.2	4.39	<2	<10	110	0.6	2	0.63	<0.5	52	329	89	6.09
CC88891		0.16	0.001	0.7	0.42	9	<10	340	<0.5	3	16.9	3.3	4	10	9	1.92
CC88892		0.34	0.006	<0.2	1.02	16	<10	180	0.5	3	0.72	1.5	12	22	28	4.28
CC88893		0.24	0.003	1.4	2.24	186	<10	270	<0.5	6	7.5	1.0	30	107	98	5.59
CC88894		0.28	0.002	<0.2	0.46	13	<10	40	<0.5	2	22.7	<0.5	5	6	11	1.24
CC88895		0.22	0.001	<0.2	2.41	7	<10	100	<0.5	<2	8.8	<0.5	20	80	36	3.96
CC88896		0.16	0.002	<0.2	1.51	32	<10	180	0.6	2	9.0	0.8	14	38	28	3.30
CC88897		0.18	0.010	1.0	0.89	10	<10	470	1.0	<2	2.94	2.1	12	14	24	3.37
CC88898		0.14	0.002	<0.2	1.02	12	<10	180	0.8	2	8.5	1.7	8	15	19	2.31
CC88899		0.14	NSS	<0.2	0.94	12	<10	850	0.7	3	4.59	2.6	9	15	18	2.45
CC88900		0.16	0.001	<0.2	2.08	13	<10	280	0.9	2	1.71	1.0	13	32	18	3.30
CC88901		0.14	0.004	0.3	1.60	14	<10	290	0.7	<2	2.30	1.7	10	25	18	3.06

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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10086507

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC88861		<10	<1	0.07	10	8.18	1460	<1	0.03	12	420	42	0.12	2	1	98
CC88862		<10	<1	0.08	10	7.46	1285	<1	0.02	15	420	43	0.05	2	2	80
CC88863		<10	<1	0.05	10	9.06	1720	<1	0.02	6	360	24	0.05	<2	1	84
CC88864		<10	<1	0.03	<10	10.60	569	<1	0.02	2	380	14	<0.01	<2	<1	83
CC88865		<10	<1	0.08	10	8.10	2270	1	0.02	12	600	31	0.07	2	1	125
CC88866		<10	<1	0.03	<10	10.35	1910	<1	0.02	2	290	17	<0.01	2	<1	51
CC88867		<10	<1	0.05	10	9.94	745	<1	0.02	3	400	17	0.05	2	1	53
CC88868		<10	<1	0.11	10	1.88	1275	<1	0.02	24	900	102	0.12	2	2	22
CC88869		<10	<1	0.10	20	1.11	1635	<1	0.02	28	950	88	0.09	3	2	23
CC88870		<10	<1	0.07	10	1.95	1555	<1	0.02	27	660	138	0.05	3	3	29
CC88871		<10	<1	0.08	10	0.31	822	1	0.02	11	550	86	0.07	2	2	16
CC88872		<10	<1	0.06	10	6.35	4630	6	0.03	21	460	762	0.10	24	2	95
CC88873		<10	<1	0.05	10	2.07	888	<1	0.03	6	820	51	0.19	3	1	40
CC88874		<10	<1	0.08	10	0.72	828	<1	0.02	24	950	107	0.09	3	2	19
CC88875		<10	<1	0.11	20	1.08	1195	2	0.02	27	800	70	0.09	5	3	21
CC88876		<10	<1	0.08	20	2.26	1055	2	0.02	28	900	125	0.09	4	2	24
CC88877		10	<1	0.07	20	1.39	975	1	0.02	26	870	60	0.07	2	3	20
CC88878		<10	<1	0.08	10	1.26	1000	<1	0.02	29	890	44	0.13	2	1	29
CC88880		10	<1	0.12	20	1.20	998	<1	0.01	95	1340	16	0.15	<2	3	23
CC88881		<10	1	0.11	20	1.16	1035	<1	0.01	48	1340	31	0.14	2	1	49
CC88882		<10	1	0.05	10	0.27	585	<1	0.01	8	680	60	<0.01	<2	1	128
CC88883		<10	1	0.03	10	0.23	703	<1	0.01	9	510	60	<0.01	<2	1	107
CC88884		<10	<1	0.34	40	0.11	773	1	0.01	21	2070	33	0.04	2	1	34
CC88885		<10	1	0.21	20	1.36	1365	<1	0.01	272	1300	16	0.16	2	4	34
CC88886		<10	1	0.11	20	0.66	1270	3	0.01	32	1200	34	0.15	<2	1	45
CC88887		<10	1	0.09	10	0.34	957	2	0.01	22	570	44	0.08	2	2	84
CC88888		<10	1	0.04	10	0.66	426	4	0.01	10	630	43	<0.01	<2	1	168
CC88889		10	1	0.25	10	2.08	1000	1	0.01	329	1510	9	0.03	2	5	19
CC88890		10	1	0.06	20	5.33	1795	<1	0.01	270	1390	5	0.02	2	13	25
CC88891		<10	2	0.05	10	8.54	4680	3	0.02	21	420	145	0.04	4	1	56
CC88892		<10	1	0.07	20	0.32	592	5	0.01	54	500	60	0.05	4	4	15
CC88893		<10	1	0.18	10	2.28	3260	1	0.02	116	580	70	0.18	13	6	59
CC88894		<10	1	0.11	10	1.55	300	<1	0.01	14	140	15	<0.01	2	2	224
CC88895		10	1	0.51	10	2.45	433	<1	0.01	80	830	8	0.06	2	6	120
CC88896		<10	1	0.45	10	2.44	1600	1	0.01	53	500	32	0.05	2	4	76
CC88897		<10	1	0.16	20	1.10	2920	1	0.01	31	1080	54	0.14	6	2	28
CC88898		<10	1	0.11	20	4.80	2010	3	0.02	25	1000	48	0.14	3	1	35
CC88899		<10	1	0.12	10	2.18	1395	1	0.02	26	970	58	0.17	3	1	33
CC88900		10	1	0.10	20	1.29	1155	1	0.02	28	470	25	0.05	2	4	19
CC88901		<10	<1	0.11	20	1.39	1525	2	0.02	26	590	40	0.06	3	2	24

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 13-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10086507

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC88861		<20	0.01	<10	<10	8	<10	592
CC88862		<20	0.01	<10	<10	16	<10	438
CC88863		<20	0.01	<10	<10	6	<10	578
CC88864		<20	<0.01	<10	<10	5	<10	335
CC88865		<20	0.01	<10	<10	17	<10	571
CC88866		<20	<0.01	<10	<10	4	<10	450
CC88867		<20	0.01	<10	<10	6	<10	343
CC88868		<20	0.02	<10	<10	41	<10	470
CC88869		<20	0.02	<10	<10	55	<10	601
CC88870		<20	0.03	<10	<10	48	<10	517
CC88871		<20	0.03	<10	<10	56	<10	336
CC88872		<20	0.02	<10	<10	28	<10	1485
CC88873		<20	0.01	<10	10	12	<10	397
CC88874		<20	0.02	<10	<10	55	<10	837
CC88875		<20	0.03	<10	<10	54	<10	908
CC88876		<20	0.02	<10	<10	54	<10	425
CC88877		<20	0.03	<10	<10	64	<10	460
CC88878		<20	0.04	<10	<10	39	<10	571
CC88880		<20	0.02	<10	<10	54	<10	104
CC88881		<20	0.01	<10	<10	33	<10	156
CC88882		<20	0.01	<10	<10	9	<10	136
CC88883		<20	0.01	<10	<10	13	<10	203
CC88884		<20	0.05	<10	<10	23	<10	97
CC88885		<20	0.01	<10	<10	33	<10	172
CC88886		<20	0.01	<10	<10	27	<10	265
CC88887		<20	0.02	<10	<10	26	<10	378
CC88888		<20	0.01	<10	<10	8	<10	390
CC88889		<20	0.05	<10	<10	61	<10	125
CC88890		<20	0.14	<10	<10	103	<10	107
CC88891		<20	0.01	<10	<10	15	<10	1275
CC88892		<20	0.02	<10	<10	33	<10	500
CC88893		<20	0.07	<10	<10	50	<10	318
CC88894		<20	<0.01	<10	<10	6	<10	50
CC88895		<20	0.16	<10	<10	48	<10	97
CC88896		<20	0.09	<10	<10	25	<10	320
CC88897		<20	0.01	<10	<10	23	<10	575
CC88898		<20	0.01	<10	<10	29	<10	537
CC88899		<20	0.01	<10	<10	26	<10	596
CC88900		<20	0.03	<10	<10	59	<10	316
CC88901		<20	0.03	<10	<10	49	<10	587

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VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10086507

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC88902		0.20	0.002	0.4	1.75	18	<10	400	0.8	2	1.94	2.6	11	29	19	3.15
CC88903		0.24	0.002	0.7	0.47	11	<10	1100	<0.5	3	17.1	4.4	2	7	10	1.28
CC88904		0.22	0.003	0.5	0.29	8	<10	690	<0.5	<2	18.7	1.9	2	5	8	0.69
CC88905		0.18	0.005	1.6	0.69	19	<10	1620	0.7	3	14.3	6.4	4	11	65	1.51
CC88906		0.12	<0.001	0.3	0.45	6	<10	210	0.5	2	17.1	2.1	2	6	8	0.88
CC88907		0.18	0.001	1.8	0.88	20	<10	770	0.9	<2	12.9	5.7	4	11	26	1.81
CC88908		0.16	0.004	<0.2	2.07	12	<10	370	1.0	3	2.26	1.8	12	41	16	3.20
CC88909		0.18	<0.001	0.3	1.78	12	<10	440	0.8	2	1.91	4.0	10	32	18	2.88
CC88910		0.16	0.001	<0.2	1.82	14	<10	450	0.8	3	1.93	4.0	10	32	18	2.91
CC88911		0.22	0.003	<0.2	1.77	14	<10	240	0.8	2	1.96	1.3	9	30	14	2.96
CC88912		0.22	0.025	1.0	1.75	22	<10	910	0.8	2	3.51	4.8	10	30	22	2.95
CC88913		0.20	0.003	<0.2	2.42	19	<10	260	1.3	2	1.01	3.8	13	46	20	3.63
CC88914		0.12	<0.001	<0.2	2.06	22	<10	250	1.1	3	2.35	2.6	11	34	17	3.26
CC88915		0.14	NSS	<0.2	1.52	20	<10	260	0.7	3	4.71	3.0	9	24	20	2.23
CC88916		0.14	0.003	0.2	2.09	14	<10	210	0.8	3	1.79	1.1	12	42	19	3.21
CC88921		0.14	0.002	0.5	1.13	15	<10	350	0.6	<2	5.09	0.8	9	17	28	2.85
CC88922		0.16	0.001	<0.2	0.57	5	<10	80	<0.5	<2	20.0	<0.5	5	6	13	1.52
CC88923		0.22	0.001	0.2	0.72	10	<10	100	<0.5	<2	14.8	<0.5	6	9	16	2.06
CC88924		0.12	0.021	0.2	1.15	16	<10	170	0.6	<2	2.51	1.6	9	17	20	2.49
CC88925		0.12	0.004	0.2	1.47	8	<10	140	0.6	<2	1.18	0.9	7	24	15	2.77
CC88926		0.16	0.004	0.3	1.21	13	<10	150	0.6	<2	3.74	0.9	7	21	16	2.34
CC88927		0.24	0.003	<0.2	0.57	7	<10	90	<0.5	<2	16.0	<0.5	6	7	13	1.97
CC88928		0.20	0.003	0.5	1.08	18	<10	220	0.6	<2	7.3	1.2	5	17	14	2.01
CC88929		0.28	0.003	1.2	0.63	52	<10	470	<0.5	<2	11.3	7.4	4	12	16	1.81
CC88930		0.12	<0.001	0.8	1.25	15	<10	330	0.7	<2	7.2	1.8	6	17	20	1.87
CC88931		0.14	0.002	0.6	1.77	23	<10	420	0.8	<2	3.91	1.7	9	28	25	2.85
CC88932		0.14	0.001	0.7	1.40	21	<10	300	0.7	<2	4.37	1.0	7	24	20	2.62
CC88933		0.16	0.007	0.5	1.24	14	<10	150	0.7	<2	4.50	1.2	8	18	19	2.71
CC88934		0.18	0.001	0.3	1.82	17	<10	330	0.9	<2	1.41	1.2	11	26	20	3.13
CC88935		0.24	0.001	0.2	0.46	7	<10	60	<0.5	<2	22.7	<0.5	5	6	13	1.50
CC88936		0.12	0.001	0.2	1.16	9	<10	200	0.5	<2	2.81	1.5	7	17	14	2.15
CC88937		0.16	0.002	0.2	1.38	16	<10	160	0.7	<2	3.71	0.9	9	21	18	2.69
CC88938		0.20	0.002	0.3	1.42	17	<10	160	0.6	<2	1.94	1.3	9	22	17	2.70
CC88939		0.14	<0.001	0.4	1.60	14	<10	250	0.7	<2	3.38	1.3	9	25	18	2.66
CC88940		0.22	0.003	0.5	1.03	14	<10	240	0.5	<2	7.6	1.1	6	18	19	2.04
CC88941		0.14	0.003	0.3	1.39	20	<10	310	0.6	<2	1.87	0.5	7	23	20	2.62
CC88942		0.20	0.003	0.5	1.43	23	<10	240	0.7	<2	1.52	0.8	8	24	28	3.20
CC88943		0.20	0.005	0.5	1.36	17	<10	360	0.5	<2	2.95	1.0	9	25	30	2.67
CC88944		0.12	0.003	0.5	1.27	16	<10	350	0.6	<2	2.08	<0.5	8	23	29	2.46
CC88948		0.20	<0.001	0.2	1.26	15	<10	140	0.7	<2	1.82	0.5	10	20	25	2.77

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10086507

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC88902		<10	1	0.10	20	1.15	2070	1	0.02	30	630	69	0.08	3	3	21
CC88903		<10	1	0.05	10	9.90	2730	1	0.03	15	610	91	<0.01	4	1	70
CC88904		<10	1	0.03	10	11.25	925	2	0.02	14	360	44	<0.01	3	1	59
CC88905		<10	1	0.06	10	8.40	1810	2	0.03	23	580	168	0.08	25	1	44
CC88906		<10	<1	0.05	10	10.15	1640	2	0.02	13	810	67	<0.01	2	1	45
CC88907		<10	1	0.05	20	7.33	4660	3	0.03	23	1140	203	0.11	12	1	63
CC88908		10	1	0.08	20	1.66	1660	1	0.02	38	620	86	0.05	3	3	22
CC88909		<10	1	0.08	20	1.05	1470	1	0.02	29	860	86	0.08	3	2	20
CC88910		<10	1	0.08	20	1.06	1480	1	0.02	29	870	88	0.08	2	2	20
CC88911		10	<1	0.07	20	1.33	808	1	0.02	28	460	48	0.04	3	3	17
CC88912		<10	1	0.10	20	2.21	1410	2	0.03	42	620	201	0.04	6	3	27
CC88913		<10	1	0.08	30	0.66	1260	2	0.02	44	740	76	0.06	4	4	17
CC88914		<10	1	0.11	30	1.17	1590	4	0.02	42	1110	53	0.09	3	2	18
CC88915		<10	1	0.07	30	1.98	2350	2	0.02	22	1230	110	0.16	2	1	29
CC88916		<10	1	0.09	20	1.39	679	1	0.02	39	650	44	0.04	<2	4	20
CC88921		<10	<1	0.17	10	1.70	589	1	0.02	35	830	73	0.08	<2	3	56
CC88922		<10	1	0.16	<10	1.67	217	<1	0.02	19	360	13	<0.01	<2	2	234
CC88923		<10	1	0.14	10	2.11	281	<1	0.02	24	560	19	0.06	<2	2	174
CC88924		<10	1	0.12	10	0.50	776	1	0.03	25	1080	38	0.16	<2	2	31
CC88925		<10	1	0.13	20	0.48	346	1	0.03	24	360	35	0.06	<2	3	20
CC88926		<10	1	0.10	10	2.08	514	1	0.03	24	830	31	0.07	<2	2	30
CC88927		<10	1	0.12	10	2.22	267	<1	0.02	20	480	17	<0.01	<2	2	188
CC88928		<10	1	0.11	10	4.33	682	1	0.02	24	980	45	0.07	<2	1	39
CC88929		<10	1	0.06	10	7.03	758	2	0.02	18	560	194	0.04	<2	2	55
CC88930		<10	1	0.11	10	3.65	1070	1	0.03	24	1050	54	0.13	<2	1	40
CC88931		<10	1	0.14	10	2.24	793	<1	0.03	36	750	72	0.06	<2	3	34
CC88932		<10	1	0.11	10	2.52	711	1	0.03	28	800	46	0.05	<2	2	35
CC88933		<10	1	0.16	10	2.12	912	1	0.03	25	1110	61	0.12	<2	2	41
CC88934		<10	<1	0.13	10	0.61	956	<1	0.02	27	1080	49	0.09	<2	2	23
CC88935		<10	1	0.10	<10	1.82	301	<1	0.02	16	300	25	<0.01	<2	2	244
CC88936		<10	1	0.11	10	0.93	596	<1	0.02	15	980	29	0.12	<2	2	26
CC88937		<10	<1	0.14	10	1.98	571	1	0.02	30	710	37	0.08	<2	2	27
CC88938		<10	1	0.11	10	0.80	1025	1	0.02	26	980	33	0.09	<2	2	25
CC88939		<10	1	0.10	10	1.48	910	1	0.03	25	870	37	0.10	<2	2	31
CC88940		<10	1	0.11	10	4.13	557	<1	0.03	24	920	60	0.07	<2	2	53
CC88941		<10	1	0.09	10	0.54	471	<1	0.02	24	780	41	0.10	<2	2	28
CC88942		<10	1	0.14	10	0.78	716	2	0.02	29	910	64	0.08	<2	2	23
CC88943		<10	1	0.16	10	1.62	541	1	0.03	33	980	33	0.06	<2	3	38
CC88944		<10	1	0.13	10	0.72	433	<1	0.03	30	940	40	0.09	<2	3	32
CC88948		<10	<1	0.12	20	0.84	564	1	0.02	30	990	26	0.11	<2	2	23

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
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Project: RAU

CERTIFICATE OF ANALYSIS VA10086507

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC88902		<20	0.03	<10	<10	53	<10	623
CC88903		<20	0.01	<10	<10	16	<10	961
CC88904		<20	0.01	<10	<10	13	<10	660
CC88905		<20	0.02	<10	<10	28	<10	1435
CC88906		<20	0.01	<10	<10	17	<10	747
CC88907		<20	0.01	<10	<10	32	<10	1550
CC88908		<20	0.04	<10	<10	57	<10	425
CC88909		<20	0.03	<10	<10	58	<10	639
CC88910		<20	0.03	<10	<10	58	<10	650
CC88911		<20	0.03	<10	<10	56	<10	229
CC88912		<20	0.03	<10	<10	56	<10	1325
CC88913		<20	0.04	<10	<10	61	<10	491
CC88914		<20	0.02	<10	<10	69	<10	538
CC88915		<20	0.02	<10	<10	61	<10	532
CC88916		<20	0.04	<10	<10	65	<10	398
CC88921		<20	0.01	<10	<10	27	<10	336
CC88922		<20	<0.01	<10	<10	6	<10	71
CC88923		<20	0.01	<10	<10	12	<10	105
CC88924		<20	0.02	<10	<10	33	<10	259
CC88925		<20	0.03	<10	<10	48	<10	183
CC88926		<20	0.02	<10	<10	38	<10	227
CC88927		<20	0.01	<10	<10	10	<10	94
CC88928		<20	0.01	<10	<10	33	<10	305
CC88929		<20	0.02	<10	<10	23	<10	1325
CC88930		<20	0.01	<10	<10	31	<10	413
CC88931		<20	0.02	<10	<10	52	<10	581
CC88932		<20	0.02	<10	<10	44	<10	315
CC88933		<20	0.01	<10	<10	31	<10	319
CC88934		<20	0.02	<10	<10	45	<10	274
CC88935		<20	0.01	<10	10	7	<10	134
CC88936		<20	0.02	<10	<10	36	<10	234
CC88937		<20	0.02	<10	<10	38	<10	216
CC88938		<20	0.02	<10	<10	40	<10	269
CC88939		<20	0.02	<10	<10	47	<10	292
CC88940		<20	0.02	<10	<10	32	<10	249
CC88941		<20	0.02	<10	<10	41	<10	206
CC88942		<20	0.01	<10	<10	44	<10	271
CC88943		<20	0.03	<10	<10	43	<10	213
CC88944		<20	0.02	<10	<10	39	<10	220
CC88948		<20	0.02	<10	<10	35	<10	180

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10086507

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC88949		0.24	0.002	<0.2	0.51	9	<10	80	<0.5	<2	16.5	<0.5	7	6	15	1.90
CC88950		0.18	0.001	0.2	1.55	20	<10	310	0.8	<2	1.34	1.8	10	24	22	2.95
CC88951		0.20	0.011	0.4	1.09	18	<10	180	0.6	<2	6.52	1.3	7	17	19	2.09
CC88952		0.20	0.001	0.6	0.69	12	<10	90	0.5	<2	12.3	1.2	4	10	12	1.32
CC88953		0.18	0.001	0.3	1.87	14	<10	240	0.7	<2	2.74	1.8	10	28	14	2.99
CC88954		0.14	0.003	0.6	1.28	16	<10	210	0.7	<2	7.7	1.9	6	20	14	2.11
CC88955		0.22	0.004	0.5	1.19	18	<10	180	0.6	<2	5.84	1.5	7	21	18	2.19
CC88956		0.18	0.004	0.7	1.47	17	<10	330	0.8	<2	3.14	2.0	8	24	28	2.43
CC88964		0.24	0.003	0.5	0.96	18	<10	120	<0.5	<2	8.3	0.8	6	20	14	1.94
CC88965		0.24	0.003	0.5	0.69	17	<10	90	<0.5	<2	12.1	0.8	4	14	12	1.41
CC88966		0.28	0.007	1.6	0.29	20	<10	170	<0.5	2	14.4	5.9	2	9	9	1.38
CC88967		0.28	0.008	0.8	0.23	18	<10	70	<0.5	<2	17.7	0.8	2	7	7	0.89
CC88968		0.22	0.009	0.6	0.39	19	<10	80	<0.5	<2	15.7	<0.5	3	8	11	0.90
CC88969		0.24	0.002	0.5	0.15	7	<10	30	<0.5	<2	19.2	<0.5	1	3	4	0.36
CC88970		0.26	0.020	1.0	0.06	10	<10	70	<0.5	<2	18.9	1.1	5	3	3	0.64
CC88971		0.26	0.031	0.7	0.09	18	<10	30	<0.5	<2	18.0	0.5	3	3	8	0.55
CC88972		0.30	0.021	1.3	0.08	16	<10	110	<0.5	<2	19.1	2.1	2	3	6	0.68
CC88973		0.24	0.035	1.5	0.18	26	<10	80	<0.5	3	16.4	2.0	4	4	8	0.89
CC88974		0.28	0.878	5.1	0.15	511	<10	150	<0.5	379	14.4	4.0	10	8	47	4.85
CC88975		0.26	0.117	1.3	0.25	96	<10	80	<0.5	81	16.2	1.0	2	6	8	1.36
CC88976		0.24	0.019	0.5	0.31	23	<10	60	<0.5	8	16.0	<0.5	2	5	5	0.80
CC88977		0.24	0.116	2.9	0.81	126	<10	500	<0.5	7	3.11	2.7	66	38	137	8.17
CC88978		0.22	0.005	0.4	0.67	12	<10	100	<0.5	<2	14.8	<0.5	14	17	34	2.73
CC88979		0.24	<0.001	0.3	0.39	13	<10	70	<0.5	<2	15.1	<0.5	12	11	29	2.48
CC88980		0.26	0.005	0.4	0.46	14	<10	80	<0.5	<2	20.7	<0.5	10	10	20	1.83
CC88981		0.20	0.002	0.6	0.14	10	<10	60	<0.5	<2	19.0	1.0	2	4	5	0.86
CC88982		0.22	0.003	2.0	0.54	27	<10	2320	<0.5	<2	12.9	2.0	15	14	24	4.05
CC88983		0.22	0.002	0.3	0.34	10	<10	30	<0.5	<2	>25.0	<0.5	7	6	7	1.65
CC88984		0.18	0.011	0.4	0.63	13	<10	70	<0.5	2	20.4	0.8	9	11	11	2.56
CC88985		0.20	0.001	<0.2	0.73	6	<10	70	<0.5	<2	20.7	<0.5	6	11	9	1.89
CC88986		0.22	0.003	0.2	1.47	10	<10	170	0.8	<2	1.24	<0.5	13	25	15	4.33
CC88987		0.16	0.004	0.2	1.94	12	<10	1000	0.9	<2	0.86	<0.5	20	66	29	4.63
CC88988		0.16	0.001	0.4	1.80	10	<10	280	0.7	<2	1.62	0.5	25	77	32	4.52
CC88989		0.12	<0.001	0.5	1.48	10	<10	290	0.7	<2	1.58	<0.5	11	33	18	3.33
CC88990		0.10	0.002	0.3	1.43	6	<10	310	0.7	<2	2.03	<0.5	10	27	17	3.10
CC88991		0.18	<0.001	0.7	0.95	11	<10	1190	0.5	<2	5.05	1.5	12	22	21	2.92
CC88992		0.20	0.001	0.5	1.19	10	<10	320	0.5	<2	2.92	0.6	15	48	32	3.53
CC88993		0.22	0.004	0.4	0.53	11	<10	170	<0.5	<2	17.0	0.8	8	7	16	1.97
CC88994		0.22	<0.001	0.3	0.54	9	<10	150	<0.5	<2	20.2	0.9	5	7	10	1.24
CC88995		0.18	0.001	1.3	1.54	20	<10	190	0.9	<2	2.50	2.7	11	21	20	3.21

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Project: RAU

Finalized Date: 13-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10086507

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC88949		<10	<1	0.14	10	2.38	294	<1	0.02	23	500	17	<0.01	<2	2	195
CC88950		<10	<1	0.12	10	0.73	977	2	0.02	33	710	72	0.07	<2	2	20
CC88951		<10	<1	0.11	10	3.86	586	1	0.03	26	910	45	0.08	2	2	39
CC88952		<10	1	0.08	10	7.56	543	1	0.03	15	820	42	0.08	<2	1	55
CC88953		<10	<1	0.12	10	1.52	882	2	0.03	26	590	67	0.06	<2	3	23
CC88954		<10	1	0.14	10	4.48	858	1	0.03	25	1070	52	0.08	<2	2	35
CC88955		<10	1	0.09	10	3.56	570	1	0.02	29	740	49	0.04	<2	2	35
CC88956		<10	1	0.12	10	1.38	578	1	0.03	33	1010	58	0.10	<2	2	27
CC88964		<10	1	0.06	10	5.20	680	1	0.03	20	770	79	0.07	<2	1	41
CC88965		<10	1	0.05	10	7.49	727	1	0.03	17	1190	86	0.09	<2	1	48
CC88966		<10	2	0.02	10	9.14	2920	2	0.02	18	360	349	0.05	<2	1	68
CC88967		<10	<1	0.02	10	10.80	968	2	0.03	10	350	90	<0.01	<2	1	76
CC88968		<10	<1	0.04	10	9.44	411	3	0.03	21	1410	13	<0.01	<2	1	71
CC88969		<10	<1	0.01	<10	11.85	463	<1	0.03	4	280	48	<0.01	<2	<1	67
CC88970		<10	<1	0.01	<10	11.55	1350	1	0.03	16	300	186	<0.01	<2	1	73
CC88971		<10	<1	0.02	<10	10.95	374	8	0.03	15	410	35	<0.01	3	<1	64
CC88972		<10	<1	0.01	<10	11.40	1680	2	0.03	10	190	869	<0.01	2	<1	62
CC88973		<10	<1	0.03	<10	9.91	1130	6	0.03	22	660	442	<0.01	<2	1	60
CC88974		<10	<1	0.03	10	8.88	1335	2	0.03	48	870	620	0.03	17	2	54
CC88975		<10	<1	0.04	10	9.66	746	<1	0.03	8	1850	91	<0.01	4	1	63
CC88976		<10	1	0.03	10	9.66	482	<1	0.03	5	1210	39	<0.01	2	<1	61
CC88977		<10	1	0.19	20	1.09	1255	1	0.02	177	2840	572	0.10	13	5	37
CC88978		<10	<1	0.21	20	0.86	391	<1	0.02	46	1030	72	<0.01	<2	3	140
CC88979		<10	1	0.16	10	0.62	166	<1	0.02	41	940	19	0.07	<2	2	139
CC88980		<10	<1	0.16	10	0.56	264	<1	0.02	35	850	50	<0.01	2	2	174
CC88981		<10	<1	0.02	10	11.20	1250	<1	0.03	6	280	74	<0.01	<2	1	59
CC88982		<10	<1	0.23	20	5.95	1225	1	0.03	47	1020	276	0.11	5	3	140
CC88983		<10	<1	0.14	10	1.01	298	<1	0.02	17	380	21	<0.01	<2	3	1580
CC88984		<10	<1	0.16	10	1.21	510	<1	0.02	25	630	54	<0.01	<2	2	946
CC88985		<10	1	0.16	10	0.35	699	<1	0.02	15	700	17	<0.01	<2	1	121
CC88986		<10	<1	0.52	40	0.45	1080	<1	0.02	28	1410	37	0.05	<2	3	28
CC88987		10	1	0.29	20	0.60	825	<1	0.03	87	1530	132	0.08	<2	3	28
CC88988		10	<1	0.31	20	0.72	886	<1	0.02	126	1010	168	0.10	<2	5	26
CC88989		<10	1	0.30	20	0.49	413	<1	0.02	42	920	88	0.08	<2	3	29
CC88990		<10	<1	0.31	20	0.43	477	<1	0.02	32	1060	44	0.10	<2	2	34
CC88991		<10	<1	0.33	30	1.74	858	<1	0.03	27	1220	208	0.11	<2	2	60
CC88992		<10	1	0.25	30	1.26	488	<1	0.02	50	1390	107	0.05	<2	3	41
CC88993		<10	<1	0.15	10	1.58	690	<1	0.02	20	410	77	<0.01	3	2	120
CC88994		<10	1	0.11	10	1.57	353	<1	0.02	12	370	82	<0.01	<2	2	180
CC88995		<10	<1	0.13	20	1.25	947	4	0.02	29	820	233	0.07	3	2	29

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 13-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10086507

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC88949		<20	0.01	<10	<10	8	<10	93
CC88950		<20	0.02	<10	<10	49	<10	465
CC88951		<20	0.02	<10	<10	32	<10	328
CC88952		<20	0.01	<10	<10	18	<10	302
CC88953		<20	0.02	<10	<10	58	<10	413
CC88954		<20	0.01	<10	<10	36	<10	499
CC88955		<20	0.02	<10	<10	39	<10	424
CC88956		<20	0.02	<10	<10	41	<10	577
CC88964		<20	0.02	<10	<10	51	<10	249
CC88965		<20	0.01	<10	<10	40	<10	254
CC88966		<20	0.01	<10	10	17	<10	1145
CC88967		<20	0.01	<10	<10	16	<10	264
CC88968		<20	0.01	<10	<10	47	<10	77
CC88969		<20	<0.01	<10	<10	20	<10	109
CC88970		<20	<0.01	<10	<10	16	<10	257
CC88971		<20	<0.01	<10	<10	16	<10	125
CC88972		<20	<0.01	<10	<10	14	<10	338
CC88973		<20	0.01	<10	<10	22	<10	294
CC88974		<20	<0.01	<10	<10	20	60	923
CC88975		<20	<0.01	<10	<10	21	10	234
CC88976		<20	<0.01	<10	<10	18	<10	140
CC88977		<20	0.01	<10	<10	31	<10	1665
CC88978		<20	0.01	<10	<10	13	<10	236
CC88979		<20	0.01	<10	<10	7	<10	100
CC88980		<20	0.01	<10	<10	7	<10	260
CC88981		<20	<0.01	<10	<10	5	<10	288
CC88982		<20	0.01	<10	<10	12	<10	543
CC88983		<20	0.01	<10	<10	2	<10	152
CC88984		<20	0.01	<10	<10	10	<10	320
CC88985		<20	0.02	<10	<10	12	<10	95
CC88986		<20	0.10	<10	<10	26	<10	120
CC88987		<20	0.05	<10	<10	46	<10	165
CC88988		<20	0.07	<10	<10	43	<10	248
CC88989		<20	0.05	<10	<10	31	<10	206
CC88990		<20	0.04	<10	<10	26	<10	141
CC88991		<20	0.01	<10	<10	19	<10	455
CC88992		<20	0.03	<10	<10	29	<10	275
CC88993		<20	0.01	<10	<10	8	<10	385
CC88994		<20	0.01	<10	<10	8	<10	338
CC88995		<20	0.02	<10	<10	39	<10	835

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Project: RAU

Finalized Date: 13-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10086507

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC88996		0.18	0.011	0.3	0.64	7	<10	90	<0.5	<2	18.0	0.5	7	8	14	1.82
CC88997		0.24	0.001	0.5	1.09	11	<10	140	0.5	<2	6.30	0.9	8	18	15	2.33
CC88998		0.20	0.002	0.4	1.74	15	<10	200	0.8	<2	1.10	0.5	10	29	19	3.18
CC88999		0.20	0.001	0.4	1.60	14	<10	210	0.7	<2	1.77	<0.5	9	25	20	2.80
CC89000		0.16	0.002	0.5	1.48	14	<10	250	0.7	<2	1.83	0.9	9	25	22	2.74

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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC88996		<10	<1	0.14	10	1.42	316	<1	0.02	18	410	26	<0.01	<2	2	197
CC88997		<10	1	0.10	10	3.68	577	1	0.03	21	820	31	0.04	<2	2	44
CC88998		10	1	0.10	20	0.79	571	1	0.02	28	780	38	0.04	<2	3	20
CC88999		<10	1	0.12	10	0.85	466	1	0.02	27	1020	42	0.08	<2	2	25
CC89000		10	<1	0.13	10	0.79	496	1	0.03	29	790	36	0.06	<2	3	28

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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC88996		<20	0.01	<10	<10	9	<10	154
CC88997		<20	0.02	<10	<10	32	<10	207
CC88998		<20	0.02	<10	<10	49	<10	186
CC88999		<20	0.01	<10	<10	41	<10	259
CC89000		<20	0.02	<10	<10	42	<10	237

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Project: RAU

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CERTIFICATE OF ANALYSIS VA10086507

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non-sufficient sample.

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 12-JUL-2010
Account: RCM

CERTIFICATE VA10086508

Project: RAU

P.O. No.: MH

This report is for 202 Soil samples submitted to our lab in Vancouver, BC, Canada on 29-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-31	Pulverize split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
SCR-43	Screen to -500um, discard plus
SCR-01	Screen - Save plus fraction

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS VA10086508

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC92775		0.16	0.011	0.2	0.59	10	<10	80	<0.5	<2	16.1	0.5	7	8	14	1.95
CC92776		0.24	0.005	<0.2	0.50	2	<10	100	<0.5	3	21.3	<0.5	6	7	11	1.46
CC92777		0.30	0.004	0.3	0.80	13	<10	130	0.5	2	9.4	1.0	9	14	14	2.11
CC92778		0.18	0.002	0.2	1.52	14	<10	190	0.7	2	2.20	1.0	10	27	13	2.97
CC92779		0.18	0.004	0.5	1.46	15	<10	320	0.7	3	2.14	1.3	8	27	14	2.92
CC92780		0.18	0.006	0.4	1.48	15	<10	220	0.6	2	3.78	0.6	10	31	25	2.83
CC92781		0.12	0.003	0.4	1.54	12	<10	220	0.7	<2	1.60	1.4	9	25	15	2.81
CC92782		0.20	0.010	0.4	1.49	17	<10	170	0.6	2	2.87	0.7	10	28	18	2.85
CC92783		0.22	0.008	0.3	0.85	8	<10	130	<0.5	3	8.1	0.6	5	15	16	1.77
CC92784		0.30	0.005	0.5	1.15	13	<10	190	0.5	<2	8.1	0.7	7	21	19	2.15
CC92785		0.20	0.003	0.2	2.57	15	<10	290	0.9	<2	1.09	1.3	11	33	10	3.27
CC92786		0.20	0.002	0.2	2.04	16	<10	330	0.7	2	0.93	1.5	11	35	10	3.49
CC92787		0.20	0.004	0.3	0.84	6	<10	110	<0.5	2	11.6	0.7	8	11	14	2.30
CC92788		0.22	0.006	<0.2	0.56	6	<10	140	<0.5	3	15.6	0.7	7	8	11	1.88
CC92789		0.20	0.005	1.5	0.76	21	<10	360	0.5	3	9.5	2.3	10	12	18	2.27
CC92790		0.14	0.004	0.6	1.04	12	<10	270	0.5	2	3.90	1.3	8	22	16	2.28
CC92791		0.18	0.006	0.3	0.95	18	<10	200	<0.5	2	6.88	0.8	7	18	15	2.18
CC92792		0.24	0.005	0.3	0.82	16	<10	110	<0.5	2	8.0	0.5	7	18	15	2.19
CC92793		0.20	0.003	0.4	1.69	13	<10	250	0.7	3	2.37	1.1	10	27	14	3.02
CC92794		0.22	0.007	0.4	1.24	15	<10	160	0.5	<2	3.54	0.8	10	25	24	2.80
CC92795		0.18	0.006	0.3	1.43	15	<10	200	0.6	2	4.06	0.9	9	24	15	2.69
CC92796		0.16	0.003	0.4	1.37	11	<10	280	0.6	2	1.77	1.2	8	24	20	2.43
CC92797		0.24	0.005	0.6	1.60	17	<10	290	0.7	2	2.84	1.1	10	27	26	3.06
CC92798		0.14	0.002	<0.2	1.66	10	<10	260	0.7	2	1.63	1.1	9	25	12	2.75
CC92799		0.16	0.004	1.1	0.74	16	<10	170	<0.5	3	9.0	3.3	8	14	21	2.16
CC92800		0.22	0.008	0.9	1.10	19	<10	170	0.6	2	7.0	1.0	8	21	29	2.51
CC92801		0.20	0.008	0.4	0.36	4	<10	70	<0.5	3	21.1	<0.5	6	4	10	1.39
CC92802		0.24	0.001	<0.2	0.09	<2	<10	70	<0.5	<2	>25.0	<0.5	1	1	1	0.39
CC92803		0.28	0.005	0.5	0.85	15	<10	190	0.6	3	8.4	1.3	9	14	15	2.29
CC92804		0.22	0.002	0.4	1.00	13	<10	240	0.6	2	6.9	1.0	9	18	20	2.30
CC92805		0.22	0.004	0.6	1.80	19	<10	230	0.9	2	1.53	1.1	10	28	12	3.42
CC92806		0.18	0.003	0.3	1.83	13	<10	310	0.8	2	2.22	1.1	10	29	13	3.04
CC92807		0.18	0.008	0.4	1.46	14	<10	260	0.6	2	1.16	0.9	10	25	15	3.01
CC92808		0.14	0.005	0.4	1.70	18	<10	250	0.8	3	1.20	0.8	11	32	14	3.13
CC92809		0.18	<0.001	0.4	1.64	17	<10	220	0.6	2	1.02	0.7	10	28	12	3.26
CC92810		0.16	0.004	0.3	1.43	16	<10	180	0.9	3	3.15	1.3	11	25	16	2.98
CC92811		0.18	0.005	0.4	1.20	16	<10	140	0.5	<2	6.86	1.3	9	20	22	1.86
CC92812		0.14	0.066	1.9	1.64	256	<10	240	0.9	23	2.02	2.7	16	38	41	4.55
CC92813		0.20	0.289	7.7	1.04	1255	<10	380	0.6	159	5.66	7.3	12	28	92	7.96
CC92814		0.24	0.031	0.7	0.89	50	<10	130	<0.5	3	11.4	0.8	8	18	18	1.93

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Account: RCM

CERTIFICATE OF ANALYSIS VA10086508

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC92775		<10	<1	0.14	10	2.00	381	2	0.01	18	440	43	0.04	<2	2	166
CC92776		<10	<1	0.10	10	1.75	274	1	0.01	12	320	16	<0.01	<2	2	195
CC92777		<10	<1	0.13	10	5.45	734	3	0.02	25	550	65	0.04	<2	2	61
CC92778		<10	<1	0.10	20	1.30	909	3	0.01	20	760	33	0.07	<2	2	25
CC92779		<10	1	0.10	20	1.19	810	3	0.01	25	1010	36	0.06	<2	2	24
CC92780		<10	<1	0.13	20	2.43	616	2	0.02	26	740	27	0.03	<2	4	32
CC92781		<10	<1	0.10	10	0.70	996	2	0.01	19	930	35	0.11	<2	2	22
CC92782		<10	1	0.11	20	1.81	592	2	0.02	26	580	33	0.04	<2	3	26
CC92783		<10	<1	0.09	10	4.80	343	2	0.02	16	730	27	0.05	<2	2	42
CC92784		<10	<1	0.10	10	5.01	435	3	0.01	20	710	39	0.02	<2	3	43
CC92785		10	1	0.10	20	0.69	385	2	0.01	24	490	48	0.04	<2	4	19
CC92786		10	<1	0.10	10	0.49	1235	2	0.01	18	640	54	0.06	<2	3	18
CC92787		<10	1	0.15	10	1.87	480	1	0.01	17	690	49	0.06	<2	2	122
CC92788		<10	<1	0.13	10	2.81	338	2	0.01	16	570	34	0.04	<2	2	169
CC92789		<10	<1	0.14	20	3.16	1075	2	0.01	23	780	139	0.06	3	2	76
CC92790		<10	<1	0.09	10	1.75	749	3	0.01	22	1080	55	0.12	<2	1	28
CC92791		<10	<1	0.11	10	4.19	602	3	0.02	21	850	31	0.05	<2	2	43
CC92792		<10	<1	0.08	10	4.83	398	3	0.02	19	720	25	0.02	<2	2	45
CC92793		10	1	0.09	10	1.40	914	2	0.01	21	870	35	0.06	<2	3	22
CC92794		<10	<1	0.11	20	2.21	528	2	0.01	27	750	38	0.03	<2	3	31
CC92795		<10	1	0.12	20	2.37	861	3	0.02	23	860	40	0.05	<2	3	30
CC92796		<10	1	0.10	10	0.60	687	2	0.01	22	1050	44	0.15	<2	2	21
CC92797		<10	<1	0.14	20	1.73	695	3	0.02	30	1030	52	0.05	<2	3	29
CC92798		<10	<1	0.07	10	0.48	978	3	0.01	15	890	38	0.11	<2	2	20
CC92799		<10	<1	0.11	10	2.42	1310	2	0.01	25	980	173	0.13	<2	1	61
CC92800		<10	<1	0.19	10	2.72	381	2	0.01	28	720	89	0.03	<2	3	60
CC92801		<10	1	0.12	10	2.45	342	2	0.01	12	270	29	<0.01	<2	2	217
CC92802		<10	<1	0.04	<10	0.43	96	1	0.01	2	90	4	<0.01	<2	1	309
CC92803		<10	<1	0.09	10	4.94	714	3	0.01	24	760	121	0.05	<2	2	51
CC92804		<10	<1	0.14	10	4.09	687	3	0.01	25	790	90	0.08	<2	2	42
CC92805		10	1	0.10	20	0.86	1125	3	0.01	25	1020	62	0.08	<2	2	18
CC92806		<10	1	0.10	10	1.28	1015	2	0.01	20	870	40	0.07	<2	3	22
CC92807		<10	1	0.11	10	0.58	835	2	0.01	22	870	38	0.09	<2	2	21
CC92808		10	<1	0.12	20	0.77	898	2	0.01	23	910	41	0.07	<2	2	19
CC92809		<10	<1	0.11	10	0.70	600	2	0.01	24	560	51	0.04	<2	3	18
CC92810		<10	<1	0.10	20	1.69	1225	5	0.02	28	1200	52	0.11	<2	2	18
CC92811		<10	<1	0.05	10	4.26	1345	1	0.03	21	1260	61	0.11	<2	1	27
CC92812		<10	<1	0.12	20	1.06	1830	2	0.03	49	1810	389	0.12	<2	3	20
CC92813		<10	<1	0.09	10	3.50	2680	1	0.03	46	1770	1230	0.09	22	2	30
CC92814		<10	<1	0.06	10	6.78	703	1	0.03	20	1140	114	0.04	<2	2	54

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 12-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10086508

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC92775		<20	0.01	<10	<10	11	<10	221
CC92776		<20	0.01	<10	<10	5	<10	105
CC92777		<20	0.02	<10	<10	24	<10	320
CC92778		<20	0.02	<10	<10	48	<10	188
CC92779		<20	0.02	<10	<10	51	<10	242
CC92780		<20	0.03	<10	<10	46	<10	170
CC92781		<20	0.02	<10	<10	48	<10	276
CC92782		<20	0.03	<10	<10	47	<10	182
CC92783		<20	0.03	<10	<10	29	<10	185
CC92784		<20	0.03	<10	<10	35	<10	269
CC92785		<20	0.03	<10	<10	69	<10	268
CC92786		<20	0.03	<10	<10	73	<10	307
CC92787		<20	0.01	<10	<10	16	<10	249
CC92788		<20	0.01	<10	<10	8	<10	248
CC92789		<20	0.01	<10	<10	18	<10	685
CC92790		<20	0.01	<10	<10	33	<10	258
CC92791		<20	0.02	<10	<10	32	<10	169
CC92792		<20	0.03	<10	<10	32	<10	156
CC92793		<20	0.03	<10	<10	52	<10	237
CC92794		<20	0.03	<10	<10	42	<10	207
CC92795		<20	0.03	<10	<10	44	<10	263
CC92796		<20	0.02	<10	<10	39	<10	354
CC92797		<20	0.03	<10	<10	49	<10	345
CC92798		<20	0.03	<10	<10	61	<10	333
CC92799		<20	0.01	<10	<10	15	<10	857
CC92800		<20	0.02	<10	<10	28	<10	754
CC92801		<20	<0.01	<10	<10	2	<10	176
CC92802		<20	<0.01	<10	<10	<1	<10	28
CC92803		<20	0.01	<10	<10	23	<10	425
CC92804		<20	0.01	<10	<10	28	<10	357
CC92805		<20	0.02	<10	<10	56	<10	339
CC92806		<20	0.02	<10	<10	53	<10	191
CC92807		<20	0.02	<10	<10	47	<10	308
CC92808		<20	0.02	<10	<10	51	<10	238
CC92809		<20	0.03	<10	<10	53	<10	319
CC92810		<20	0.02	<10	<10	45	<10	302
CC92811		<20	0.02	<10	<10	52	<10	249
CC92812		<20	0.02	<10	<10	85	<10	710
CC92813		<20	0.01	<10	<10	51	20	1735
CC92814		<20	0.02	<10	<10	44	<10	208

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 12-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10086508

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC92815		0.24	0.019	0.7	0.40	24	<10	70	<0.5	<2	15.2	0.7	6	9	10	1.21
CC92816		0.22	0.019	0.8	0.64	42	<10	110	<0.5	3	13.2	1.0	7	15	14	1.59
CC92817		0.20	0.008	0.5	0.85	26	<10	110	<0.5	<2	9.2	0.6	8	16	18	1.71
CC92818		0.28	0.004	0.2	0.08	9	<10	30	<0.5	<2	18.9	<0.5	4	5	6	0.44
CC92819		0.28	0.005	0.3	0.11	8	<10	40	<0.5	<2	16.9	<0.5	4	4	5	0.46
CC92820		0.20	0.137	2.6	0.12	115	<10	80	<0.5	205	17.0	2.7	4	5	10	1.51
CC92821		0.24	0.097	1.7	0.09	72	<10	60	<0.5	15	16.4	2.2	4	4	6	0.98
CC92822		0.20	0.041	0.8	0.17	17	<10	40	<0.5	2	17.1	1.3	6	6	9	0.88
CC92823		0.24	0.037	1.2	0.17	21	<10	50	<0.5	<2	17.6	1.4	5	5	7	1.01
CC92824		0.20	0.022	0.9	0.29	22	<10	80	<0.5	8	16.7	1.4	4	6	7	0.79
CC92825		0.24	0.071	2.9	0.22	86	<10	1070	<0.5	23	16.4	3.0	8	6	30	2.04
CC92827		0.20	0.004	1.4	0.55	44	<10	480	<0.5	2	8.7	2.3	56	18	117	6.85
CC92828		0.20	0.001	3.7	0.42	33	<10	120	<0.5	<2	12.7	1.4	19	8	22	3.61
CC92829		0.18	<0.001	0.5	0.74	11	<10	180	<0.5	<2	15.0	<0.5	17	12	17	3.44
CC92830		0.14	0.004	0.8	1.14	20	<10	220	0.6	<2	4.16	1.0	15	27	20	3.78
CC92831		0.20	0.001	0.3	1.44	5	<10	270	<0.5	2	4.70	<0.5	33	87	41	4.80
CC92832		0.22	<0.001	<0.2	1.54	4	<10	160	0.5	<2	1.02	<0.5	45	126	51	6.64
CC92833		0.22	0.002	0.5	0.65	11	<10	90	<0.5	<2	16.4	1.0	7	14	16	2.15
CC92834		0.24	0.004	0.4	0.77	9	<10	140	<0.5	<2	18.3	0.6	6	12	14	1.42
CC92835		0.18	0.004	0.4	1.53	10	<10	260	0.6	<2	4.29	1.2	10	26	21	2.51
CC92836		0.22	<0.001	0.6	1.00	11	<10	140	<0.5	<2	9.7	1.1	8	16	18	1.99
CC92837		0.24	0.002	0.6	1.05	11	<10	240	0.5	<2	6.90	3.1	9	19	19	2.36
CC92838		0.30	0.003	0.6	0.65	13	<10	120	<0.5	<2	16.4	2.0	9	9	17	1.82
CC92839		0.22	<0.001	0.3	2.00	10	<10	300	<0.5	2	3.80	0.6	44	113	72	5.65
CC92840		0.20	0.001	0.3	2.53	25	<10	420	0.7	2	0.85	4.1	35	89	33	5.99
CC92841		0.16	0.013	2.1	1.30	68	<10	2150	0.5	2	2.58	18.0	17	33	19	4.48
CC92842		0.18	<0.001	0.3	2.78	6	<10	430	<0.5	<2	1.23	<0.5	34	145	58	5.55
CC92843		0.24	0.001	0.3	1.02	22	<10	140	<0.5	<2	1.68	1.2	14	23	20	3.43
CC92844		0.22	0.001	0.3	1.45	16	<10	170	0.6	<2	3.19	<0.5	13	23	23	3.01
CC92845		0.22	<0.001	0.3	0.66	5	<10	410	<0.5	<2	9.4	0.5	10	9	19	2.27
CC92846		0.20	<0.001	0.7	0.94	9	<10	160	0.6	<2	7.17	3.1	11	14	15	2.12
CC92847		0.20	0.001	1.1	1.18	13	<10	410	0.6	<2	4.25	5.6	12	18	16	3.60
CC92848		0.22	0.001	0.5	2.00	25	<10	360	1.0	<2	1.46	2.7	10	30	15	3.41
CC92849		0.22	0.003	1.4	1.08	47	<10	370	0.8	<2	10.5	6.0	6	18	16	2.23
CC92852		0.18	0.009	0.5	0.55	28	<10	110	<0.5	<2	12.8	1.3	4	10	11	1.40
CC92853		0.16	0.006	0.6	1.16	44	<10	180	0.5	2	5.78	2.3	7	24	17	2.45
CC92854		0.22	0.014	1.1	0.61	44	<10	140	<0.5	2	6.88	1.4	10	10	31	3.55
CC92855		0.16	0.001	0.2	0.17	6	<10	30	<0.5	<2	17.4	<0.5	1	9	6	0.42
CC92856		0.14	0.005	0.6	0.33	51	<10	100	<0.5	<2	16.3	1.1	4	8	8	1.62
CC92857		0.26	0.003	0.3	0.39	22	<10	60	<0.5	<2	15.8	<0.5	3	11	8	1.03

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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC92815		<10	<1	0.04	10	8.96	535	1	0.03	11	850	94	0.04	<2	1	68
CC92816		<10	<1	0.05	10	7.82	843	1	0.03	16	910	124	0.05	<2	1	59
CC92817		<10	<1	0.07	10	5.25	582	2	0.03	20	1240	42	0.09	<2	1	44
CC92818		<10	<1	0.02	<10	11.40	239	1	0.03	9	150	26	<0.01	<2	1	81
CC92819		<10	<1	0.02	<10	10.45	325	1	0.03	6	210	32	<0.01	<2	1	70
CC92820		<10	<1	0.02	<10	10.25	1140	1	0.03	12	230	364	<0.01	5	1	65
CC92821		<10	<1	0.02	<10	9.81	841	2	0.03	10	320	257	0.03	<2	1	61
CC92822		<10	<1	0.03	<10	10.70	457	1	0.03	13	330	158	<0.01	<2	1	59
CC92823		<10	<1	0.03	<10	10.90	514	1	0.03	13	490	162	<0.01	<2	1	62
CC92824		<10	<1	0.04	10	9.99	599	<1	0.03	6	930	196	<0.01	<2	1	64
CC92825		<10	<1	0.06	10	9.74	1615	<1	0.04	20	920	716	0.05	6	1	78
CC92827		<10	<1	0.28	10	4.70	737	1	0.03	120	3440	278	0.54	3	8	62
CC92828		<10	<1	0.19	20	1.03	675	<1	0.02	50	1230	138	0.11	<2	2	293
CC92829		<10	<1	0.35	20	1.42	458	<1	0.02	38	1140	54	0.07	<2	3	405
CC92830		<10	1	0.21	20	2.37	993	<1	0.02	43	880	110	0.06	<2	3	39
CC92831		<10	<1	0.60	20	1.36	804	<1	0.03	149	1570	36	0.24	<2	3	75
CC92832		<10	1	0.66	30	0.86	943	<1	0.02	216	1900	14	0.05	<2	4	37
CC92833		<10	<1	0.14	10	1.20	532	<1	0.03	21	650	72	<0.01	<2	2	118
CC92834		<10	<1	0.08	10	1.14	574	<1	0.03	13	580	32	<0.01	<2	1	106
CC92835		<10	<1	0.10	20	0.99	931	<1	0.03	21	1170	69	0.14	<2	1	30
CC92836		<10	<1	0.09	10	1.39	695	<1	0.03	18	650	71	0.07	<2	1	51
CC92837		<10	<1	0.11	10	1.73	871	<1	0.03	19	810	164	0.08	<2	2	61
CC92838		<10	<1	0.15	10	2.72	590	<1	0.02	19	450	73	<0.01	<2	2	160
CC92839		<10	<1	0.46	10	3.28	681	<1	0.02	170	880	36	0.05	<2	8	33
CC92840		10	<1	0.10	20	0.74	1215	<1	0.02	128	470	183	0.03	<2	10	12
CC92841		<10	1	0.08	40	0.68	5180	4	0.04	33	820	571	0.14	2	3	25
CC92842		10	<1	0.18	10	2.63	636	<1	0.02	138	670	54	0.08	<2	8	15
CC92843		<10	<1	0.10	20	0.33	829	2	0.02	41	490	63	0.05	<2	3	17
CC92844		<10	<1	0.11	20	0.85	618	<1	0.02	29	350	31	0.02	<2	4	37
CC92845		<10	<1	0.11	20	0.94	531	<1	0.02	22	540	27	0.07	<2	2	95
CC92846		<10	<1	0.10	10	4.03	1860	1	0.03	19	640	80	0.09	<2	2	48
CC92847		<10	<1	0.13	20	2.03	5210	<1	0.03	26	680	186	0.08	<2	3	33
CC92848		<10	<1	0.09	20	0.85	2180	2	0.01	32	470	88	0.02	<2	4	17
CC92849		<10	<1	0.08	10	5.25	4190	3	0.02	28	890	188	0.06	<2	2	62
CC92852		<10	<1	0.05	10	7.44	730	1	0.02	12	990	131	0.04	<2	1	45
CC92853		<10	<1	0.06	10	3.79	1390	<1	0.02	21	1040	173	0.07	<2	1	24
CC92854		<10	<1	0.17	20	4.55	1345	<1	0.02	22	1080	162	0.04	<2	2	39
CC92855		<10	<1	0.02	<10	10.45	370	1	0.02	4	330	22	<0.01	<2	<1	49
CC92856		<10	<1	0.06	10	8.61	983	2	0.02	16	2150	139	<0.01	<2	1	67
CC92857		<10	<1	0.03	10	9.43	422	2	0.03	14	430	34	0.02	<2	1	65

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 12-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10086508

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC92815		<20	0.01	<10	<10	30	<10	183
CC92816		<20	0.02	<10	<10	42	<10	236
CC92817		<20	0.02	<10	<10	54	<10	143
CC92818		<20	<0.01	<10	<10	21	<10	80
CC92819		<20	<0.01	<10	<10	21	<10	81
CC92820		<20	<0.01	<10	<10	22	10	821
CC92821		<20	<0.01	<10	10	18	20	646
CC92822		<20	<0.01	<10	<10	24	<10	362
CC92823		<20	<0.01	<10	10	24	<10	427
CC92824		<20	0.01	<10	10	24	<10	316
CC92825		<20	<0.01	<10	<10	17	10	979
CC92827		<20	0.01	<10	<10	37	<10	949
CC92828		<20	<0.01	<10	<10	10	<10	635
CC92829		<20	0.01	<10	<10	15	<10	269
CC92830		<20	0.03	<10	<10	32	<10	439
CC92831		<20	0.09	<10	<10	32	<10	173
CC92832		<20	0.16	<10	<10	42	<10	97
CC92833		<20	0.01	<10	<10	14	<10	394
CC92834		<20	0.02	<10	<10	21	<10	224
CC92835		<20	0.02	<10	<10	43	<10	578
CC92836		<20	0.02	<10	<10	30	<10	320
CC92837		<20	0.02	<10	<10	29	<10	774
CC92838		<20	0.01	<10	<10	13	<10	404
CC92839		<20	0.10	<10	<10	51	<10	227
CC92840		<20	0.04	<10	<10	69	<10	703
CC92841		<20	0.02	<10	<10	36	<10	2730
CC92842		<20	0.11	<10	<10	74	<10	294
CC92843		<20	0.02	<10	<10	28	<10	323
CC92844		<20	0.02	<10	<10	40	<10	129
CC92845		<20	0.01	<10	<10	11	<10	153
CC92846		<20	0.02	<10	<10	24	<10	715
CC92847		<20	0.02	<10	<10	30	<10	988
CC92848		<20	0.02	<10	<10	62	<10	539
CC92849		<20	0.02	<10	<10	37	<10	1240
CC92852		<20	0.01	<10	<10	30	<10	313
CC92853		<20	0.02	<10	<10	46	<10	374
CC92854		<20	0.01	<10	<10	32	<10	690
CC92855		<20	<0.01	<10	<10	22	<10	100
CC92856		<20	<0.01	<10	<10	29	<10	982
CC92857		<20	0.02	<10	<10	22	<10	152

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 12-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10086508

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC92858		0.16	0.001	0.3	0.15	12	<10	30	<0.5	<2	19.1	<0.5	1	7	5	0.49
CC92859		0.16	0.005	0.2	0.09	17	<10	30	<0.5	<2	19.8	<0.5	<1	4	6	0.66
CC92860		0.12	0.094	1.9	0.11	63	<10	140	<0.5	2	19.3	2.5	1	6	15	1.07
CC92861		0.18	0.034	1.0	0.14	22	<10	150	<0.5	<2	19.5	2.0	1	6	8	0.84
CC92862		0.16	0.056	0.8	0.09	34	<10	110	<0.5	2	19.7	1.0	4	4	10	0.72
CC92863		0.16	0.013	0.2	0.17	11	<10	100	<0.5	<2	19.4	<0.5	3	8	10	0.72
CC92864		0.14	0.057	1.0	0.10	66	<10	70	<0.5	11	19.3	1.6	3	4	13	0.98
CC92865		0.16	0.023	0.5	0.10	12	<10	20	<0.5	<2	18.4	1.6	3	5	6	0.56
CC92866		0.20	0.006	0.9	0.30	19	<10	90	<0.5	2	16.1	3.2	3	6	10	1.25
CC92867		0.24	0.011	0.8	0.31	12	<10	1390	<0.5	<2	16.4	2.9	3	8	11	0.98
CC92868		0.22	0.013	24.9	0.34	68	<10	970	<0.5	13	14.9	6.5	4	8	123	2.26
CC92869		0.14	0.012	1.9	0.43	27	<10	1000	<0.5	3	16.1	2.6	3	7	12	1.19
CC92870		0.14	0.002	1.6	0.53	7	<10	560	<0.5	2	15.2	5.1	6	14	17	1.94
CC92871		0.08	0.004	1.9	0.84	31	<10	250	<0.5	<2	6.59	3.0	19	21	29	4.46
CC92872		0.26	<0.001	3.6	0.82	29	<10	410	<0.5	<2	9.2	5.7	18	16	25	4.12
CC92873		0.16	<0.001	0.5	0.77	14	<10	240	<0.5	<2	16.4	1.0	14	18	18	3.59
CC92874		0.26	<0.001	0.2	1.14	4	<10	210	<0.5	<2	5.94	<0.5	24	71	31	5.32
CC92875		0.16	0.001	0.3	1.25	3	<10	350	<0.5	<2	2.84	0.7	17	79	29	2.72
CC92876		0.18	0.001	0.6	1.52	14	<10	250	0.7	<2	4.60	2.1	10	25	23	3.02
CC92877		0.24	0.003	0.4	1.18	13	<10	190	0.5	<2	4.64	0.8	8	25	21	2.55
CC92878		0.16	0.001	0.5	1.58	14	<10	310	0.6	<2	4.35	1.1	8	27	19	2.88
CC92879		0.20	0.002	0.5	1.14	15	<10	260	0.5	<2	11.5	1.7	8	20	21	2.60
CC92880		0.12	<0.001	0.6	2.47	13	<10	370	0.6	<2	3.77	1.3	27	98	44	5.55
CC92881		0.10	0.002	0.2	2.28	9	<10	400	<0.5	<2	8.8	<0.5	25	96	45	5.15
CC92882		0.16	<0.001	0.3	1.02	17	<10	380	<0.5	<2	2.43	1.1	28	29	34	4.73
CC92883		0.10	<0.001	1.9	1.29	21	<10	350	0.6	<2	5.26	8.7	12	27	19	4.21
CC92884		0.08	<0.001	<0.2	0.88	6	<10	140	<0.5	<2	4.84	1.2	8	16	18	2.38
CC92885		0.14	0.002	0.8	1.43	20	<10	260	0.7	<2	4.35	2.2	11	25	20	3.30
CC92886		0.12	0.001	0.7	1.68	19	<10	500	0.9	<2	2.46	2.3	11	24	22	4.23
CC92887		0.08	<0.001	0.6	1.41	9	<10	690	0.8	<2	6.05	2.6	9	20	14	3.92
CC92888		0.14	0.003	0.7	1.40	17	<10	330	0.7	<2	8.2	2.8	7	23	19	2.71
CC92889		0.12	0.001	0.2	1.63	16	<10	300	0.6	<2	1.70	0.7	8	25	16	3.19
CC92890		0.12	0.003	0.4	1.49	18	<10	210	0.7	<2	3.45	0.6	8	24	17	2.85
CC92891		0.12	0.001	0.3	2.06	14	<10	380	0.8	<2	1.96	1.1	9	29	12	3.17
CC92894		0.26	0.001	0.3	0.97	17	<10	370	<0.5	<2	18.2	1.3	16	18	18	4.06
CC92895		0.32	0.001	1.0	0.64	22	<10	600	<0.5	<2	13.6	2.5	14	15	22	4.27
CC92896		0.40	0.003	1.1	0.42	23	<10	1360	<0.5	<2	20.1	2.0	8	9	16	2.85
CC92897		0.30	0.002	<0.2	0.26	4	<10	90	<0.5	<2	>25.0	<0.5	1	3	4	0.72
CC92898		0.24	0.004	1.4	1.33	19	<10	450	0.7	<2	2.87	4.1	11	22	19	3.62
CC92899		0.24	0.003	0.5	1.39	15	<10	190	0.6	<2	4.22	1.6	10	23	19	3.16

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1016-510 W HASTINGS ST
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Project: RAU

Finalized Date: 12-JUL-2010
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CERTIFICATE OF ANALYSIS VA10086508

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC92858		<10	<1	0.02	10	11.45	342	1	0.02	9	350	21	<0.01	<2	1	69
CC92859		<10	<1	0.01	<10	11.95	463	2	0.02	9	350	68	<0.01	<2	<1	74
CC92860		<10	<1	0.03	<10	11.40	928	3	0.03	16	680	589	<0.01	2	1	81
CC92861		<10	<1	0.03	<10	11.60	1885	3	0.02	19	930	94	<0.01	<2	1	81
CC92862		<10	<1	0.02	<10	12.00	690	11	0.04	20	550	148	<0.01	<2	1	77
CC92863		<10	<1	0.05	10	11.45	252	4	0.04	16	2930	28	<0.01	<2	1	85
CC92864		<10	<1	0.03	<10	11.60	570	5	0.04	11	430	153	<0.01	<2	1	76
CC92865		<10	<1	0.03	<10	11.00	397	3	0.04	6	410	106	<0.01	<2	1	63
CC92866		<10	<1	0.04	<10	9.67	1270	6	0.04	11	610	205	0.03	<2	1	61
CC92867		<10	<1	0.04	<10	10.00	823	2	0.05	7	370	277	<0.01	<2	1	63
CC92868		<10	<1	0.05	10	9.03	1940	2	0.05	19	1820	1715	0.09	26	1	79
CC92869		<10	<1	0.05	10	9.59	948	1	0.05	6	1380	219	<0.01	<2	<1	65
CC92870		<10	<1	0.15	10	9.08	986	1	0.05	20	1460	710	0.08	<2	1	70
CC92871		<10	<1	0.31	20	2.39	987	<1	0.02	56	2160	344	0.07	<2	4	116
CC92872		<10	<1	0.29	20	1.21	1380	<1	0.01	51	1740	651	0.05	4	4	201
CC92873		<10	<1	0.23	20	3.93	661	<1	0.02	40	980	93	0.06	<2	4	448
CC92874		<10	<1	0.51	20	1.34	751	<1	0.02	111	1650	28	0.26	<2	3	86
CC92875		<10	1	0.20	10	0.90	417	<1	0.02	86	1070	44	0.13	<2	2	38
CC92876		<10	<1	0.11	10	0.93	963	<1	0.02	30	970	102	0.07	<2	2	34
CC92877		<10	<1	0.10	10	1.08	587	<1	0.02	26	760	34	0.02	<2	2	42
CC92878		<10	<1	0.15	20	1.33	733	<1	0.03	25	760	59	0.04	<2	2	34
CC92879		<10	<1	0.23	10	2.48	699	<1	0.03	26	750	131	0.03	<2	3	86
CC92880		10	<1	0.26	20	3.27	1155	<1	0.03	123	950	65	0.07	<2	5	28
CC92881		10	<1	0.65	10	2.29	589	<1	0.02	100	780	11	0.08	<2	6	74
CC92882		<10	<1	0.22	10	0.40	1785	<1	0.02	84	980	68	0.12	<2	2	23
CC92883		<10	<1	0.20	20	2.97	4870	<1	0.03	45	830	498	0.08	<2	3	29
CC92884		<10	<1	0.09	10	0.79	1085	<1	0.03	22	1320	20	0.20	<2	1	37
CC92885		<10	<1	0.20	20	1.27	1730	<1	0.03	32	900	117	0.05	<2	3	42
CC92886		<10	<1	0.18	20	0.99	7470	<1	0.03	35	860	77	0.05	<2	4	38
CC92887		<10	<1	0.27	20	2.85	5990	<1	0.03	23	850	43	0.08	<2	3	56
CC92888		<10	<1	0.20	10	4.76	2140	1	0.04	25	810	60	0.05	<2	2	50
CC92889		<10	<1	0.18	10	0.90	621	1	0.03	26	600	31	0.04	<2	3	23
CC92890		<10	<1	0.17	20	1.73	605	2	0.03	29	740	31	0.04	<2	3	27
CC92891		10	<1	0.15	10	1.11	835	2	0.03	25	500	44	0.03	<2	3	23
CC92894		<10	<1	0.34	20	1.31	802	<1	0.02	48	1310	119	<0.01	<2	5	657
CC92895		<10	<1	0.17	20	4.16	1245	<1	0.02	47	1100	217	0.07	<2	3	238
CC92896		<10	<1	0.12	10	4.01	498	<1	0.02	29	610	218	<0.01	<2	3	495
CC92897		<10	<1	0.06	<10	1.13	191	<1	0.01	6	240	9	<0.01	<2	1	157
CC92898		<10	<1	0.14	20	0.43	1535	<1	0.02	35	900	285	0.12	<2	2	25
CC92899		<10	<1	0.11	10	0.89	862	<1	0.02	26	860	112	0.07	<2	2	33

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CERTIFICATE OF ANALYSIS VA10086508

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC92858		<20	<0.01	<10	<10	17	<10	81
CC92859		<20	<0.01	<10	<10	29	<10	83
CC92860		<20	<0.01	<10	<10	37	<10	517
CC92861		<20	<0.01	<10	<10	42	<10	361
CC92862		<20	<0.01	<10	<10	40	<10	402
CC92863		<20	<0.01	<10	20	35	<10	139
CC92864		<20	<0.01	<10	<10	22	<10	348
CC92865		<20	<0.01	<10	<10	16	<10	408
CC92866		<20	0.01	<10	<10	23	<10	783
CC92867		<20	0.01	<10	<10	18	<10	606
CC92868		<20	0.01	<10	10	26	<10	2670
CC92869		<20	0.01	<10	<10	20	<10	842
CC92870		<20	0.01	<10	<10	21	<10	1580
CC92871		<20	0.01	<10	<10	22	<10	1215
CC92872		<20	0.01	<10	<10	18	<10	2060
CC92873		<20	0.02	<10	<10	18	<10	369
CC92874		<20	0.07	<10	<10	28	<10	163
CC92875		<20	0.04	<10	<10	32	<10	321
CC92876		<20	0.02	<10	<10	42	<10	632
CC92877		<20	0.03	<10	<10	37	<10	181
CC92878		<20	0.03	<10	<10	46	<10	312
CC92879		<20	0.02	<10	<10	31	<10	699
CC92880		<20	0.04	<10	<10	116	<10	388
CC92881		<20	0.11	<10	<10	48	<10	124
CC92882		<20	0.01	<10	<10	24	<10	320
CC92883		<20	0.02	<10	<10	35	<10	1770
CC92884		<20	0.01	<10	<10	19	<10	132
CC92885		<20	0.02	<10	<10	39	<10	692
CC92886		<20	0.02	<10	<10	45	<10	492
CC92887		<20	0.02	<10	<10	35	<10	777
CC92888		<20	0.02	<10	<10	40	<10	772
CC92889		<20	0.02	<10	<10	48	<10	184
CC92890		<20	0.02	<10	<10	46	<10	193
CC92891		<20	0.03	<10	<10	61	<10	490
CC92894		<20	0.01	<10	<10	18	<10	580
CC92895		<20	0.02	<10	<10	21	<10	1045
CC92896		<20	0.01	<10	<10	15	<10	572
CC92897		<20	0.01	<10	<10	6	<10	74
CC92898		<20	0.02	<10	<10	34	<10	1250
CC92899		<20	0.02	<10	<10	40	<10	488

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 12-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10086508

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC92900		0.26	<0.001	<0.2	0.31	7	<10	70	<0.5	<2	>25.0	<0.5	1	4	4	0.49
CC92901		0.32	<0.001	<0.2	0.29	3	<10	50	<0.5	<2	>25.0	<0.5	1	4	4	0.42
CC92902		0.22	0.004	1.6	1.23	30	<10	790	0.8	<2	21.3	7.1	8	23	36	2.27
CC92903		0.34	0.002	0.3	0.78	9	<10	110	<0.5	<2	22.2	0.7	4	12	11	1.33
CC92904		0.28	0.004	0.9	1.22	17	<10	300	0.6	<2	7.9	3.5	9	19	20	2.77
CC92905		0.26	<0.001	0.6	0.56	6	<10	350	<0.5	<2	21.0	1.2	5	7	10	1.59
CC92906		0.32	0.004	0.8	1.73	55	<10	280	0.8	<2	0.73	1.4	11	31	18	3.35
CC92907		0.24	0.004	0.5	1.67	17	<10	230	0.8	<2	1.27	1.7	11	28	15	3.28
CC92908		0.26	0.004	0.6	1.92	19	<10	290	0.8	<2	1.07	1.1	12	33	19	3.45
CC92909		0.22	0.003	0.3	1.63	14	<10	210	0.8	<2	2.15	2.8	13	25	16	3.47
CC92910		0.28	0.007	0.9	1.01	18	<10	220	0.5	<2	9.4	4.2	6	18	17	2.10
CC92911		0.20	0.002	0.5	1.81	14	<10	260	0.8	<2	1.94	1.0	11	29	17	3.17
CC92912		0.22	0.002	0.4	1.93	17	<10	240	0.8	<2	1.47	1.5	11	30	13	3.47
CC92913		0.24	0.001	0.3	2.00	15	<10	240	0.9	<2	1.70	1.5	12	30	15	3.27
CC92914		0.30	0.002	0.6	1.51	16	<10	260	0.7	<2	4.70	1.5	8	24	15	2.72
CC92915		0.24	0.002	0.8	2.73	26	<10	560	1.4	<2	1.76	2.8	13	40	33	3.62
CC92916		0.28	0.002	0.5	2.51	23	<10	480	1.2	<2	0.70	1.2	14	39	22	3.95
CC92917		0.16	0.001	0.7	1.56	12	<10	380	0.6	<2	2.54	1.8	10	24	16	2.68
CC92918		0.26	0.001	0.6	1.80	17	<10	280	0.8	<2	1.89	3.7	11	26	16	3.13
CC92919		0.28	0.002	0.3	2.19	17	<10	220	1.0	<2	1.33	1.4	11	31	14	3.41
CC92920		0.42	0.003	0.6	1.49	15	<10	200	0.6	<2	5.60	1.1	8	24	20	2.57
CC92921		0.26	0.003	0.2	1.77	11	<10	240	0.7	<2	1.58	2.7	10	25	16	3.05
CC92922		0.34	0.002	0.3	0.88	12	<10	120	0.5	<2	9.8	0.8	6	15	17	2.13
CC92923		0.28	0.001	0.5	1.70	15	<10	240	0.8	<2	2.14	1.3	10	26	15	3.09
CC92924		0.26	0.002	0.4	1.45	14	<10	210	0.8	<2	2.34	1.5	11	22	20	2.99
CC92925		0.26	0.004	0.2	1.18	16	<10	160	0.8	<2	4.89	1.3	13	20	23	3.00
CC92926		0.30	0.001	<0.2	0.38	5	<10	110	<0.5	<2	22.6	<0.5	7	4	14	1.81
CC92927		0.36	<0.001	<0.2	0.44	6	<10	40	<0.5	<2	20.3	<0.5	6	5	10	1.48
CC92951		0.14	0.003	0.3	0.84	6	<10	220	<0.5	<2	5.01	1.5	5	12	16	1.34
CC92952		0.14	0.004	0.5	1.97	19	<10	260	0.9	<2	3.36	1.1	11	32	20	3.29
CC92953		0.16	0.002	0.2	2.25	21	<10	240	1.0	<2	0.79	0.9	11	37	15	3.82
CC92954		0.14	<0.001	0.2	1.19	11	<10	140	0.8	<2	7.8	0.8	11	27	25	2.79
CC92955		0.22	0.002	0.2	2.01	14	<10	280	0.8	<2	1.13	0.6	13	31	15	3.49
CC92956		0.16	0.002	0.3	1.03	10	<10	170	0.7	<2	8.1	2.0	8	17	17	2.30
CC92957		0.14	0.002	0.4	1.09	13	<10	200	0.6	<2	8.7	1.1	8	17	19	2.28
CC92958		0.22	0.002	0.3	0.90	9	<10	150	<0.5	<2	16.8	0.5	7	13	19	2.09
CC92959		0.14	0.002	0.4	1.24	15	<10	350	0.5	<2	7.6	0.9	9	19	25	2.57
CC92960		0.32	0.003	0.4	0.83	19	<10	270	<0.5	<2	13.1	0.9	9	20	25	2.50
CC92961		0.18	0.003	0.7	1.38	15	<10	360	0.6	<2	4.48	1.0	8	26	24	2.99
CC92962		0.18	0.003	0.5	0.88	8	<10	580	<0.5	<2	4.42	1.0	5	17	26	1.72

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 12-JUL-2010
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CERTIFICATE OF ANALYSIS VA10086508

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC92900		<10	1	0.03	<10	0.90	367	<1	0.02	3	330	19	<0.01	<2	1	138
CC92901		<10	<1	0.03	10	1.00	234	<1	0.02	4	380	7	<0.01	<2	1	147
CC92902		<10	<1	0.16	10	0.48	2950	<1	0.02	44	620	996	<0.01	9	3	77
CC92903		<10	<1	0.07	10	1.63	508	<1	0.02	13	580	45	<0.01	<2	1	103
CC92904		<10	<1	0.21	20	2.94	937	<1	0.03	27	760	285	0.04	3	3	64
CC92905		<10	<1	0.13	10	0.84	495	<1	0.02	15	410	63	<0.01	<2	2	230
CC92906		<10	<1	0.12	20	0.62	916	<1	0.02	31	640	46	0.02	<2	4	18
CC92907		<10	<1	0.11	20	0.73	1005	1	0.02	27	770	51	0.05	<2	3	19
CC92908		<10	<1	0.13	20	0.78	812	<1	0.02	32	790	36	0.03	<2	3	22
CC92909		<10	<1	0.12	20	0.94	1460	<1	0.02	22	1190	55	0.10	<2	2	22
CC92910		<10	<1	0.12	10	5.37	811	1	0.02	22	750	232	0.03	<2	2	58
CC92911		<10	<1	0.14	20	1.21	839	<1	0.02	31	790	62	0.06	<2	3	22
CC92912		10	<1	0.12	20	0.84	1085	<1	0.02	23	730	53	0.06	<2	3	19
CC92913		<10	<1	0.11	10	0.97	1125	1	0.02	26	860	45	0.06	<2	3	17
CC92914		<10	<1	0.12	10	2.88	981	1	0.02	27	900	57	0.04	<2	2	31
CC92915		10	<1	0.11	20	0.87	1490	<1	0.01	34	1140	71	0.05	<2	3	24
CC92916		10	<1	0.16	20	0.77	897	<1	0.02	45	440	155	<0.01	<2	5	17
CC92917		<10	<1	0.10	10	0.81	948	<1	0.02	22	1050	82	0.08	<2	2	26
CC92918		<10	1	0.11	10	0.74	1660	<1	0.01	22	1230	82	0.10	<2	2	21
CC92919		10	<1	0.10	20	0.86	1280	1	0.02	27	640	65	0.05	<2	3	17
CC92920		<10	<1	0.12	20	3.92	505	<1	0.03	27	680	46	0.02	<2	3	43
CC92921		<10	<1	0.09	10	0.56	1170	<1	0.02	20	890	42	0.08	<2	2	20
CC92922		<10	<1	0.11	10	5.80	483	<1	0.03	23	670	35	0.02	<2	2	56
CC92923		<10	1	0.10	20	1.32	1135	<1	0.02	25	720	37	0.04	<2	3	21
CC92924		<10	1	0.12	10	0.96	1040	1	0.02	29	920	46	0.12	<2	2	25
CC92925		<10	<1	0.12	10	3.00	701	3	0.02	39	800	65	0.08	3	2	36
CC92926		<10	<1	0.13	10	2.48	290	<1	0.02	20	340	11	<0.01	<2	2	263
CC92927		<10	<1	0.11	10	1.91	250	<1	0.01	13	270	19	<0.01	<2	2	249
CC92951		<10	<1	0.07	<10	0.36	565	<1	0.02	13	970	27	0.16	<2	1	39
CC92952		<10	<1	0.17	20	1.45	723	1	0.02	34	720	62	0.05	2	4	32
CC92953		10	1	0.18	20	0.59	570	1	0.02	34	600	75	0.06	<2	4	23
CC92954		<10	<1	0.22	20	4.44	670	<1	0.03	28	950	25	0.10	<2	2	44
CC92955		10	1	0.16	10	0.68	827	1	0.02	28	650	46	0.07	<2	3	23
CC92956		<10	1	0.14	10	4.24	784	1	0.02	23	980	50	0.11	<2	1	52
CC92957		<10	<1	0.18	10	4.79	595	1	0.02	24	840	73	0.08	<2	2	61
CC92958		<10	1	0.22	10	2.58	371	<1	0.02	23	570	97	<0.01	<2	3	174
CC92959		<10	1	0.24	10	1.82	529	1	0.03	30	780	75	0.07	<2	3	76
CC92960		<10	1	0.16	10	6.62	412	1	0.03	36	900	68	0.04	<2	3	88
CC92961		<10	<1	0.19	10	2.26	714	<1	0.03	29	1110	61	0.07	<2	3	41
CC92962		<10	<1	0.10	10	0.61	469	<1	0.03	18	1260	37	0.21	<2	1	53

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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC92900		<20	0.01	<10	<10	9	<10	133
CC92901		<20	0.01	<10	<10	8	<10	52
CC92902		<20	0.03	<10	<10	31	<10	3340
CC92903		<20	0.01	<10	<10	22	<10	224
CC92904		<20	0.02	<10	<10	34	<10	1510
CC92905		<20	0.01	<10	<10	12	<10	346
CC92906		<20	0.03	<10	<10	56	<10	287
CC92907		<20	0.02	<10	<10	57	<10	287
CC92908		<20	0.03	<10	<10	59	<10	222
CC92909		<20	0.02	<10	<10	53	<10	476
CC92910		<20	0.02	<10	<10	35	<10	1015
CC92911		<20	0.03	<10	<10	56	<10	340
CC92912		<20	0.03	<10	<10	64	<10	409
CC92913		<20	0.03	<10	<10	59	<10	348
CC92914		<20	0.02	<10	<10	47	<10	409
CC92915		<20	0.02	<10	<10	76	<10	570
CC92916		<20	0.03	<10	<10	69	<10	837
CC92917		<20	0.02	<10	<10	48	<10	536
CC92918		<20	0.02	<10	<10	52	<10	676
CC92919		<20	0.03	<10	<10	65	<10	321
CC92920		<20	0.03	<10	<10	44	<10	286
CC92921		<20	0.02	<10	<10	55	<10	350
CC92922		<20	0.02	<10	<10	30	<10	231
CC92923		<20	0.02	<10	<10	52	<10	281
CC92924		<20	0.02	<10	<10	42	<10	256
CC92925		<20	0.01	<10	<10	35	<10	382
CC92926		<20	<0.01	<10	<10	7	<10	62
CC92927		<20	0.01	<10	<10	5	<10	69
CC92951		<20	0.01	<10	<10	19	<10	161
CC92952		<20	0.02	<10	<10	54	<10	313
CC92953		<20	0.02	<10	<10	67	<10	258
CC92954		<20	0.01	<10	<10	31	<10	211
CC92955		<20	0.02	<10	<10	56	<10	218
CC92956		<20	0.01	<10	<10	29	<10	410
CC92957		<20	0.01	<10	<10	29	<10	289
CC92958		<20	0.01	<10	<10	20	<10	184
CC92959		<20	0.01	<10	<10	30	<10	353
CC92960		<20	0.03	<10	<10	31	<10	289
CC92961		<20	0.02	<10	<10	40	<10	274
CC92962		<20	0.01	<10	<10	23	<10	173

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Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC92963		0.14	<0.001	<0.2	2.00	19	<10	590	0.8	<2	2.26	4.6	14	36	15	3.73
CC92964		0.24	0.003	0.6	1.06	19	<10	230	0.5	<2	9.6	2.3	7	21	19	2.62
CC92965		0.12	<0.001	0.3	1.08	17	<10	360	0.6	<2	2.84	1.8	9	24	12	3.44
CC92966		0.12	0.001	0.5	1.48	16	<10	500	0.5	<2	2.82	1.2	14	46	23	3.78
CC92967		0.14	0.004	0.2	1.11	7	<10	350	0.7	<2	3.23	<0.5	9	21	24	2.64
CC92968		0.16	0.003	0.3	1.42	9	<10	370	0.8	<2	2.19	0.7	10	24	15	3.56
CC92969		0.22	0.001	0.6	1.52	22	<10	230	0.7	<2	3.78	0.8	9	28	20	3.57
CC92970		0.18	0.011	0.6	1.62	15	<10	300	0.7	<2	1.96	1.6	10	29	24	3.23
CC92971		0.16	0.017	0.9	1.03	61	<10	280	0.5	6	7.2	1.5	19	24	43	4.75
CC92972		0.20	0.019	1.3	1.15	76	<10	360	0.6	10	6.19	1.2	19	27	51	4.54
CC92973		0.18	0.012	1.1	0.79	72	<10	400	<0.5	8	10.9	1.5	16	21	39	4.07
CC92974		0.18	0.006	0.8	0.29	41	<10	100	<0.5	2	18.1	1.4	3	9	10	1.11
CC92975		0.24	0.005	0.5	0.37	35	<10	170	<0.5	2	14.4	1.7	5	12	14	1.47
CC92976		0.14	0.006	0.8	0.64	55	<10	330	0.6	<2	6.55	3.3	10	22	26	2.89
CC92977		0.26	0.002	0.4	0.29	28	<10	130	<0.5	<2	17.5	1.3	3	11	9	1.07
CC92978		0.18	0.010	0.9	0.38	38	<10	340	<0.5	2	13.5	2.6	7	15	15	1.77
CC92979		0.22	0.047	0.9	0.37	35	<10	180	<0.5	<2	16.3	2.0	4	14	11	1.30
CC92980		0.22	0.008	<0.2	0.45	23	<10	100	<0.5	<2	16.1	0.5	4	14	10	1.04
CC92981		0.22	0.002	0.4	0.38	20	<10	160	<0.5	<2	15.6	0.6	4	10	11	1.08
CC92982		0.18	0.005	0.7	0.20	49	<10	200	<0.5	<2	16.4	2.1	7	12	15	1.64
CC92983		0.26	0.002	1.2	0.78	27	<10	560	0.6	3	4.23	5.3	8	14	28	3.39
CC92984		0.18	0.011	0.5	0.56	27	<10	160	<0.5	3	12.7	2.7	7	13	20	1.87
CC92985		0.16	0.002	0.3	0.54	8	<10	150	<0.5	2	9.2	2.3	4	12	19	1.13
CC92986		0.22	0.008	0.5	0.79	24	<10	110	0.5	2	7.9	0.8	10	16	27	2.34
CC92987		0.18	0.001	<0.2	0.48	9	<10	120	<0.5	2	8.3	0.7	4	10	13	1.23
CC92988		0.22	0.003	<0.2	0.56	10	<10	320	<0.5	3	13.3	0.5	5	12	10	1.16
CC92989		0.18	0.010	0.5	0.88	24	<10	210	<0.5	4	10.0	2.9	5	13	10	1.52
CC87986		0.18	0.115	1.3	0.65	94	<10	450	<0.5	50	8.0	1.8	41	30	112	5.91
CC87987		0.22	0.147	2.2	0.69	117	<10	680	<0.5	49	7.7	2.0	41	32	117	6.35
CC87988		0.16	0.415	2.9	0.38	355	<10	220	<0.5	276	13.4	5.0	13	19	63	4.58
CC87989		0.28	0.298	4.5	0.31	255	<10	90	<0.5	64	18.0	3.6	4	9	525	3.05
CC87990		0.22	0.046	0.6	0.64	45	<10	100	<0.5	9	12.5	0.8	3	13	15	1.93
CC87991		0.14	0.024	0.5	0.77	26	<10	140	<0.5	6	12.8	1.1	4	13	17	1.54
CC87992		0.20	0.037	1.1	0.30	50	<10	80	<0.5	7	16.7	1.3	11	9	24	2.25
CC87993		0.16	0.006	0.5	0.33	12	<10	60	<0.5	4	18.6	0.7	3	8	9	0.72
CC87994		0.16	0.014	1.2	0.25	21	<10	70	<0.5	6	18.2	1.7	4	7	14	0.97
CC87995		0.16	0.006	0.5	0.12	13	<10	50	<0.5	4	19.5	1.8	2	4	3	0.63
CC87996		0.18	0.009	0.7	0.17	17	<10	70	<0.5	<2	18.4	1.2	3	7	9	0.73
CC87997		0.20	0.003	0.6	0.18	15	<10	70	<0.5	4	18.4	1.4	3	6	5	0.58
CC87998		0.18	0.007	1.0	0.70	25	<10	200	0.5	4	13.2	3.0	7	17	19	1.67

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 12-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10086508

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC92963		10	<1	0.15	20	0.65	1540	2	0.02	28	670	204	0.07	2	4	25
CC92964		<10	1	0.18	10	5.49	918	1	0.02	27	900	210	0.04	<2	3	55
CC92965		<10	1	0.16	10	0.62	1215	1	0.02	21	960	47	0.16	<2	2	23
CC92966		<10	<1	0.28	10	1.27	510	<1	0.03	59	870	97	0.13	<2	3	40
CC92967		<10	<1	0.24	10	0.65	510	<1	0.02	24	1450	29	0.17	<2	1	51
CC92968		<10	<1	0.31	30	0.85	542	<1	0.02	23	1210	67	0.14	<2	3	35
CC92969		<10	<1	0.23	20	2.37	684	1	0.03	32	840	71	0.05	<2	3	33
CC92970		10	1	0.16	20	0.80	734	<1	0.02	30	1240	69	0.10	<2	3	39
CC92971		<10	1	0.25	20	3.64	1095	<1	0.02	62	2580	357	0.08	6	4	64
CC92972		<10	1	0.20	20	3.59	976	<1	0.02	66	2910	512	0.07	8	4	57
CC92973		<10	<1	0.22	20	5.99	962	<1	0.03	52	2860	465	0.07	7	3	67
CC92974		<10	<1	0.05	10	10.65	1050	1	0.02	16	620	234	<0.01	3	1	72
CC92975		<10	1	0.07	10	8.37	1415	4	0.02	22	590	129	0.07	2	1	62
CC92976		<10	1	0.16	20	3.81	2770	6	0.02	41	950	224	0.13	3	1	36
CC92977		<10	1	0.05	10	10.25	1180	4	0.02	18	450	108	0.06	<2	1	69
CC92978		<10	<1	0.08	10	8.07	2190	5	0.04	24	690	241	0.05	4	1	66
CC92979		<10	1	0.05	10	9.64	1280	4	0.02	21	530	203	<0.01	2	1	67
CC92980		<10	1	0.05	10	9.43	727	3	0.02	19	700	30	<0.01	<2	1	57
CC92981		<10	<1	0.05	10	9.24	1340	8	0.04	16	460	66	<0.01	3	1	76
CC92982		<10	<1	0.07	10	9.57	1735	7	0.02	34	440	189	0.05	2	1	67
CC92983		<10	1	0.10	10	2.15	6580	5	<0.01	36	1250	1100	0.13	3	1	30
CC92984		<10	<1	0.11	10	7.35	1620	4	0.01	21	1750	164	0.11	5	1	54
CC92985		<10	1	0.05	<10	4.74	1700	1	0.01	11	1690	70	0.24	2	<1	29
CC92986		<10	1	0.25	20	4.86	833	3	0.01	25	1250	81	0.06	4	2	34
CC92987		<10	<1	0.05	<10	4.46	1010	2	0.01	8	1400	29	0.16	3	<1	29
CC92988		10	1	0.09	10	8.50	407	1	0.01	10	740	24	0.05	3	1	36
CC92989		<10	<1	0.07	<10	6.18	901	1	0.01	12	1110	161	0.08	<2	1	27
CC87986		<10	<1	0.25	20	4.36	786	8	0.01	184	4140	243	0.06	10	5	56
CC87987		<10	1	0.26	20	3.98	786	8	0.01	194	5270	325	0.08	14	5	69
CC87988		<10	2	0.10	10	7.97	1090	2	0.01	54	2790	704	0.08	20	2	52
CC87989		<10	1	0.05	<10	11.60	970	1	0.02	21	980	901	<0.01	31	1	58
CC87990		<10	<1	0.07	10	7.86	565	1	0.02	13	980	61	0.07	3	1	47
CC87991		10	1	0.07	10	7.55	1175	1	0.02	8	1960	62	0.16	6	1	42
CC87992		<10	1	0.07	<10	10.65	593	1	0.02	42	750	211	0.04	7	1	51
CC87993		<10	1	0.04	<10	11.70	743	1	0.02	11	1620	50	<0.01	5	1	62
CC87994		<10	<1	0.04	<10	11.55	1020	3	0.02	18	750	209	<0.01	4	1	67
CC87995		<10	<1	0.02	<10	12.40	1020	2	0.02	5	330	156	<0.01	2	<1	68
CC87996		<10	1	0.03	<10	11.65	879	4	0.02	15	940	269	<0.01	7	1	69
CC87997		<10	1	0.03	<10	11.80	626	4	0.02	10	290	87	<0.01	4	1	71
CC87998		<10	<1	0.10	10	8.19	1425	1	0.02	21	1520	311	0.10	4	1	47

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Project: RAU

CERTIFICATE OF ANALYSIS VA10086508

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC92963		<20	0.02	<10	<10	71	<10	629
CC92964		<20	0.02	<10	<10	33	<10	736
CC92965		<20	0.02	<10	<10	40	<10	580
CC92966		<20	0.02	<10	<10	42	<10	365
CC92967		<20	0.01	<10	<10	27	<10	109
CC92968		<20	0.02	<10	<10	36	<10	226
CC92969		<20	0.02	<10	<10	50	<10	282
CC92970		<20	0.02	<10	<10	46	<10	296
CC92971		<20	0.02	<10	<10	36	<10	741
CC92972		<20	0.02	<10	<10	39	<10	1050
CC92973		<20	0.01	<10	<10	31	<10	842
CC92974		<20	0.01	<10	<10	28	<10	463
CC92975		<20	0.01	<10	<10	32	<10	502
CC92976		<20	0.01	<10	<10	50	<10	814
CC92977		<20	0.01	<10	<10	30	<10	407
CC92978		<20	0.01	<10	<10	32	<10	747
CC92979		<20	0.01	<10	<10	38	<10	699
CC92980		<20	0.01	<10	<10	27	<10	202
CC92981		<20	0.01	<10	<10	24	<10	276
CC92982		<20	<0.01	<10	<10	31	<10	595
CC92983		<20	0.01	<10	<10	50	<10	1470
CC92984		<20	0.01	<10	<10	69	<10	542
CC92985		<20	0.01	<10	<10	39	<10	428
CC92986		<20	0.01	<10	<10	47	<10	319
CC92987		<20	0.01	<10	<10	40	<10	172
CC92988		<20	0.01	<10	<10	31	<10	107
CC92989		<20	0.01	<10	<10	37	<10	456
CC87986		<20	0.01	<10	<10	38	10	583
CC87987		<20	0.01	<10	10	39	<10	652
CC87988		<20	0.01	<10	<10	29	20	1335
CC87989		<20	0.01	<10	<10	23	10	1185
CC87990		<20	0.01	<10	<10	30	<10	213
CC87991		<20	0.01	<10	<10	31	<10	204
CC87992		<20	0.01	<10	<10	22	<10	272
CC87993		<20	0.01	<10	10	47	<10	147
CC87994		<20	0.01	<10	<10	35	<10	343
CC87995		<20	<0.01	<10	<10	38	<10	340
CC87996		<20	0.01	<10	<10	24	<10	319
CC87997		<20	<0.01	<10	<10	14	<10	251
CC87998		<20	0.01	<10	<10	74	<10	587

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Project: RAU

Finalized Date: 12-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10086508

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC87999		0.12	0.003	0.2	0.25	10	<10	70	<0.5	2	18.1	0.9	3	8	9	0.60
CC88000		0.10	0.002	0.7	0.41	9	<10	70	<0.5	3	17.5	1.0	3	10	11	0.71

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CERTIFICATE OF ANALYSIS VA10086508

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC87999		<10	<1	0.06	<10	11.55	499	<1	0.02	7	620	81	<0.01	4	1	57
CC88000		<10	1	0.05	<10	10.95	594	<1	0.02	6	1230	217	<0.01	5	<1	53

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CERTIFICATE OF ANALYSIS VA10086508

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC87999		<20	<0.01	<10	<10	37	<10	171
CC88000		<20	<0.01	<10	<10	38	<10	283

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Finalized Date: 13-JUL-2010
Account: RCM

CERTIFICATE VA10086509

Project: RAU

P.O. No.: MH

This report is for 163 Soil samples submitted to our lab in Vancouver, BC, Canada on 29-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-31	Pulverize split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
PUL-QC	Pulverizing QC Test
SCR-43	Screen to -500um, discard plus
SCR-01	Screen - Save plus fraction

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS VA10086509

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC88541		0.18	0.001	0.5	1.34	14	<10	290	0.6	<2	1.32	1.3	9	25	27	2.69
CC88542		0.14	0.001	0.3	1.36	9	<10	200	0.5	<2	0.70	0.9	8	24	15	2.40
CC88543		0.16	<0.001	<0.2	1.59	24	<10	280	0.7	<2	4.09	1.3	9	29	22	2.90
CC88544		0.20	0.001	<0.2	1.89	22	<10	230	0.9	<2	0.38	0.7	11	35	16	3.26
CC88545		0.20	<0.001	<0.2	1.77	20	<10	350	0.9	<2	3.09	1.2	10	30	17	2.95
CC88546		0.14	<0.001	<0.2	1.73	15	<10	290	0.9	<2	2.39	1.1	9	27	16	2.82
CC88547		0.14	<0.001	<0.2	2.00	19	<10	250	1.2	<2	1.82	4.0	12	30	18	3.48
CC88548		0.20	0.018	<0.2	1.62	17	<10	290	0.8	<2	2.00	1.6	9	27	17	2.77
CC88549		0.18	<0.001	0.3	1.26	20	<10	360	0.8	<2	6.94	2.3	7	20	23	2.25
CC88550		0.14	<0.001	<0.2	0.78	11	<10	170	0.5	<2	11.2	1.3	5	14	14	1.52
CC88551		0.08	0.001	<0.2	1.63	15	<10	240	0.8	<2	3.84	1.7	9	27	21	2.81
CC88552		0.14	<0.001	<0.2	1.69	16	<10	220	0.8	<2	1.91	1.5	11	29	18	2.99
CC88553		0.10	<0.001	<0.2	1.67	15	<10	240	0.8	<2	2.67	1.5	11	29	17	2.91
CC88554		0.18	<0.001	<0.2	0.96	12	<10	140	0.6	<2	9.5	1.1	8	17	14	2.06
CC88555		0.22	<0.001	<0.2	0.66	19	<10	220	0.5	<2	12.7	2.0	7	11	22	2.09
CC88556		0.22	<0.001	<0.2	0.85	15	<10	390	0.5	<2	12.9	1.4	7	14	25	2.15
CC88557		0.16	<0.001	<0.2	0.97	13	<10	310	0.5	<2	13.0	1.2	9	21	21	2.35
CC88558		0.18	0.002	0.2	0.90	28	<10	860	0.5	<2	14.6	2.3	11	22	29	2.90
CC88559		0.18	<0.001	<0.2	2.14	18	<10	390	0.5	<2	3.50	0.9	22	74	39	4.37
CC88560		0.18	<0.001	<0.2	3.03	12	<10	540	<0.5	<2	0.90	1.1	42	167	73	7.49
CC88561		0.18	<0.001	<0.2	2.40	15	<10	230	0.7	<2	1.18	0.7	35	120	50	5.37
CC88562		0.16	<0.001	<0.2	1.74	12	<10	190	<0.5	<2	7.9	0.8	27	88	47	4.43
CC88563		0.20	<0.001	<0.2	1.83	12	<10	150	0.6	<2	6.10	0.6	29	82	51	4.85
CC88564		0.26	<0.001	<0.2	0.62	16	<10	1600	<0.5	<2	15.8	1.9	13	31	13	3.62
CC88565		0.16	0.011	0.2	2.19	49	<10	810	<0.5	11	12.7	1.9	35	136	86	5.70
CC88566		0.20	0.054	0.8	2.23	108	<10	220	0.5	25	10.8	2.8	30	145	62	5.48
CC88567		0.12	0.098	1.5	2.69	144	<10	330	0.6	38	5.62	4.3	36	182	77	6.83
CC88568		0.20	0.069	0.6	0.94	126	<10	180	<0.5	32	14.8	2.6	16	60	40	3.42
CC88569		0.16	0.023	<0.2	2.75	23	<10	230	0.6	9	12.2	1.5	26	200	36	4.16
CC88570		0.24	0.064	0.5	0.72	55	<10	110	<0.5	21	16.7	2.3	10	48	22	2.31
CC88571		0.12	0.047	1.3	0.61	45	<10	400	<0.5	7	14.1	7.2	10	27	23	2.35
CC88572		0.18	0.020	<0.2	0.11	43	<10	60	<0.5	11	19.1	2.4	4	7	9	1.01
CC88573		0.18	0.062	0.9	0.15	36	<10	150	<0.5	21	18.5	3.0	2	6	9	1.13
CC88574		0.24	0.008	<0.2	0.15	17	<10	80	<0.5	7	19.3	0.6	2	6	3	0.79
CC88575		0.30	0.188	0.4	0.11	34	<10	280	<0.5	9	16.3	1.0	5	7	13	1.64
CC88576		0.22	0.001	<0.2	0.93	18	<10	2010	<0.5	<2	7.7	0.8	14	36	57	2.19
CC88577		0.30	0.003	<0.2	0.79	30	<10	1450	0.5	<2	2.06	1.1	27	23	78	4.16
CC88578		0.22	0.022	0.2	0.88	43	<10	230	<0.5	4	4.33	1.2	35	33	60	5.31
CC88579		0.16	0.003	0.5	1.04	17	<10	270	0.5	<2	2.10	2.0	13	19	23	2.52
CC88586		0.24	0.030	2.3	0.10	90	<10	40	<0.5	7	17.8	1.1	1	3	26	1.76

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 13-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10086509

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC88541		<10	<1	0.08	20	0.84	881	1	0.03	31	910	36	0.03	<2	3	28
CC88542		10	<1	0.06	10	0.46	399	<1	0.03	23	820	24	0.03	<2	3	23
CC88543		<10	<1	0.08	20	2.46	1200	1	0.02	38	830	99	0.03	<2	3	26
CC88544		<10	<1	0.07	20	0.60	1050	<1	0.02	39	500	57	0.02	<2	4	16
CC88545		<10	<1	0.09	20	2.00	978	<1	0.03	31	580	68	0.04	<2	3	28
CC88546		<10	<1	0.09	20	1.24	919	2	0.02	27	1190	39	0.09	<2	2	24
CC88547		<10	<1	0.09	20	0.85	3240	2	0.02	30	940	138	0.09	<2	3	23
CC88548		<10	<1	0.07	20	1.16	925	<1	0.02	27	880	82	0.08	<2	2	17
CC88549		<10	<1	0.08	10	4.37	1255	<1	0.03	29	890	149	0.06	<2	2	40
CC88550		<10	<1	0.07	10	6.51	680	<1	0.02	18	780	55	0.04	<2	2	46
CC88551		<10	<1	0.12	10	2.22	1050	<1	0.03	27	980	57	0.07	<2	3	30
CC88552		<10	<1	0.10	20	1.16	883	<1	0.02	29	970	47	0.07	<2	3	21
CC88553		<10	<1	0.12	20	1.55	1010	<1	0.03	27	910	55	0.07	<2	2	29
CC88554		<10	<1	0.09	10	5.59	774	<1	0.02	23	710	58	0.07	<2	2	56
CC88555		<10	<1	0.10	10	5.29	1135	<1	0.02	20	530	63	0.05	<2	2	86
CC88556		<10	<1	0.12	10	3.72	834	<1	0.02	21	700	64	0.06	<2	2	102
CC88557		<10	<1	0.17	10	4.43	771	<1	0.02	27	610	52	0.06	<2	2	110
CC88558		<10	<1	0.16	10	3.23	1140	<1	0.02	39	530	104	0.05	2	3	116
CC88559		10	<1	0.21	10	3.13	1205	<1	0.01	77	850	44	0.04	<2	6	36
CC88560		10	<1	0.24	10	2.76	1355	<1	0.01	175	870	30	0.07	<2	9	14
CC88561		<10	<1	0.23	20	1.99	1165	<1	0.01	151	1330	51	0.07	<2	5	25
CC88562		<10	<1	0.20	20	2.23	1270	<1	0.01	115	1330	35	0.06	<2	4	170
CC88563		<10	<1	0.18	20	1.84	848	<1	0.01	126	1560	41	0.04	<2	5	184
CC88564		<10	<1	0.23	20	0.61	879	<1	0.02	52	1540	271	0.08	<2	2	158
CC88565		10	<1	0.16	20	3.13	764	3	0.02	135	2060	178	0.14	<2	6	81
CC88566		10	<1	0.10	10	7.83	1225	4	0.02	130	1950	510	0.05	2	7	53
CC88567		10	<1	0.15	10	4.95	1295	4	0.02	161	2480	860	0.09	7	8	38
CC88568		<10	<1	0.06	10	9.21	1005	4	0.02	68	1360	587	0.03	4	3	64
CC88569		10	<1	0.13	10	9.23	948	1	0.02	118	1470	138	0.05	<2	9	57
CC88570		<10	<1	0.05	10	10.05	997	3	0.02	50	860	320	0.04	<2	2	70
CC88571		<10	<1	0.06	10	8.31	1740	6	0.03	45	1100	747	0.07	3	2	56
CC88572		<10	<1	0.02	<10	11.20	772	7	0.03	34	550	130	<0.01	<2	1	78
CC88573		<10	<1	0.02	<10	10.80	1205	3	0.02	19	320	471	<0.01	<2	1	76
CC88574		<10	<1	0.02	10	11.35	963	2	0.02	10	190	47	<0.01	<2	1	107
CC88575		<10	<1	0.04	10	9.48	1165	4	0.02	23	320	149	<0.01	<2	1	85
CC88576		<10	<1	0.03	10	5.71	1295	1	0.02	34	830	91	0.15	<2	3	86
CC88577		<10	<1	0.03	10	2.20	1385	5	0.02	52	1030	109	0.19	<2	4	46
CC88578		<10	<1	0.06	20	2.80	1505	10	0.02	133	1440	97	0.12	<2	4	38
CC88579		<10	<1	0.04	10	0.45	2440	3	0.01	23	1770	74	0.19	<2	1	22
CC88586		<10	<1	0.01	<10	10.45	629	1	0.02	6	970	676	<0.01	11	1	56

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CERTIFICATE OF ANALYSIS VA10086509

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC88541		<20	0.04	<10	<10	50	<10	196
CC88542		<20	0.04	<10	<10	46	<10	149
CC88543		<20	0.03	<10	<10	61	<10	339
CC88544		<20	0.03	<10	<10	66	<10	280
CC88545		<20	0.03	<10	<10	59	<10	353
CC88546		<20	0.02	<10	<10	55	<10	346
CC88547		<20	0.03	<10	<10	72	<10	555
CC88548		<20	0.02	<10	<10	55	<10	501
CC88549		<20	0.02	<10	<10	41	<10	877
CC88550		<20	0.02	<10	<10	30	<10	433
CC88551		<20	0.03	<10	<10	50	<10	426
CC88552		<20	0.02	<10	<10	52	<10	357
CC88553		<20	0.02	<10	<10	51	<10	389
CC88554		<20	0.02	<10	<10	28	<10	393
CC88555		<20	0.01	<10	<10	19	<10	615
CC88556		<20	0.01	<10	<10	22	<10	608
CC88557		<20	0.03	<10	<10	23	<10	410
CC88558		<20	0.02	<10	<10	21	<10	749
CC88559		<20	0.09	<10	<10	43	<10	372
CC88560		<20	0.16	<10	<10	77	<10	394
CC88561		<20	0.03	<10	<10	44	<10	407
CC88562		<20	0.04	<10	<10	35	<10	291
CC88563		<20	0.02	<10	<10	32	<10	351
CC88564		<20	0.03	<10	<10	15	<10	781
CC88565		<20	0.03	<10	<10	65	10	658
CC88566		<20	0.04	<10	<10	85	10	851
CC88567		<20	0.05	<10	<10	108	20	1245
CC88568		<20	0.02	<10	<10	51	20	852
CC88569		<20	0.06	<10	<10	102	<10	314
CC88570		<20	0.01	<10	<10	40	10	533
CC88571		<20	0.01	<10	<10	51	10	1545
CC88572		<20	<0.01	<10	<10	38	<10	525
CC88573		<20	<0.01	<10	<10	29	10	666
CC88574		<20	<0.01	<10	<10	11	<10	260
CC88575		<20	<0.01	<10	<10	15	<10	447
CC88576		<20	0.04	<10	<10	44	<10	166
CC88577		<20	0.03	<10	<10	36	<10	149
CC88578		<20	0.01	<10	<10	40	<10	293
CC88579		<20	0.02	<10	<10	109	<10	174
CC88586		<20	<0.01	<10	<10	16	<10	704

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CERTIFICATE OF ANALYSIS VA10086509

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC88587		0.26	0.020	3.5	0.30	101	<10	370	<0.5	4	17.4	7.5	23	15	74	1.73
CC88588		0.24	0.002	0.2	1.32	7	<10	160	0.6	<2	3.93	<0.5	20	51	47	3.68
CC88589		0.12	<0.001	0.5	2.31	14	<10	320	0.6	<2	1.63	0.5	39	118	105	5.79
CC88590		0.22	<0.001	0.2	3.36	10	<10	250	<0.5	<2	1.67	<0.5	52	225	102	6.84
CC88591		0.24	0.001	<0.2	3.99	11	<10	390	<0.5	<2	3.94	<0.5	39	211	71	6.60
CC88592		0.20	<0.001	0.4	1.02	12	10	300	0.5	<2	10.3	1.6	9	24	23	2.53
CC88593		0.22	<0.001	<0.2	0.70	30	<10	110	<0.5	<2	10.8	<0.5	22	27	44	4.15
CC88594		0.20	<0.001	<0.2	3.00	8	<10	170	<0.5	<2	4.41	<0.5	29	119	47	4.80
CC88595		0.28	<0.001	0.2	0.68	21	<10	180	<0.5	<2	18.6	0.5	10	16	25	2.16
CC88596		0.18	0.001	1.2	0.94	15	<10	2500	0.6	<2	8.9	1.9	10	15	28	3.17
CC88597		0.28	<0.001	0.3	0.42	19	<10	110	<0.5	<2	18.5	1.2	8	7	18	1.99
CC88598		0.22	<0.001	0.6	0.59	8	<10	1570	0.6	<2	14.0	2.1	6	9	16	2.02
CC88599		0.20	<0.001	0.7	1.26	15	<10	230	0.9	<2	2.75	1.4	11	22	16	3.34
CC88600		0.22	<0.001	0.8	1.08	12	<10	1890	0.7	<2	3.88	2.0	11	18	20	3.19
CC88601		0.22	<0.001	0.5	0.50	11	<10	1140	0.5	<2	12.7	2.7	7	9	18	1.92
CC88602		0.26	0.002	1.4	0.74	15	<10	2310	0.6	<2	11.7	6.1	6	11	21	2.40
CC88603		0.28	<0.001	0.2	0.21	2	<10	60	<0.5	<2	18.4	0.8	2	4	6	0.42
CC88604		0.22	<0.001	0.4	0.38	11	<10	100	<0.5	<2	16.2	1.3	4	6	12	0.95
CC88605		0.18	0.001	0.5	1.08	14	<10	150	0.7	<2	9.0	1.1	6	15	15	1.90
CC88606		0.26	0.001	0.3	0.75	8	<10	140	<0.5	<2	13.2	1.3	5	11	12	1.29
CC88607		0.22	0.001	0.2	0.46	7	<10	60	<0.5	<2	16.0	0.7	4	14	15	0.84
CC88608		0.24	<0.001	0.3	0.20	<2	<10	40	<0.5	<2	18.6	<0.5	2	4	5	0.30
CC88609		0.20	<0.001	0.5	0.55	5	<10	220	<0.5	<2	15.0	1.0	4	8	14	0.97
CC88610		0.22	<0.001	1.0	0.79	13	<10	210	0.5	<2	12.7	1.3	5	12	24	1.42
CC88611		0.16	0.001	0.8	1.38	16	<10	260	0.9	2	6.11	2.8	7	20	20	2.47
CC88612		0.16	0.002	1.0	1.48	17	<10	270	1.0	<2	6.06	3.0	8	21	22	2.51
CC88613		0.22	0.007	0.7	1.19	14	<10	220	0.7	<2	7.5	2.2	7	21	18	2.10
CC88614		0.16	0.001	0.6	1.69	27	<10	280	0.8	2	2.62	5.1	10	29	16	2.74
CC88615		0.20	0.006	0.9	1.85	37	<10	410	0.9	<2	2.31	3.8	10	31	25	3.00
CC88616		0.10	0.002	0.6	1.37	29	<10	320	0.6	<2	3.99	2.7	8	23	16	2.38
CC88627		0.08	<0.001	0.6	0.91	9	10	590	<0.5	<2	3.85	1.4	5	16	29	1.81
CC88628		0.22	<0.001	0.6	1.04	13	<10	240	<0.5	<2	3.88	0.7	6	21	26	2.23
CC88629		0.18	0.001	0.4	1.23	14	<10	230	0.5	<2	3.67	1.1	8	21	23	2.43
CC88630		0.16	0.001	0.4	1.18	16	<10	180	0.5	<2	4.33	0.7	8	20	23	2.49
CC88631		0.08	<0.001	<0.2	1.60	12	<10	360	<0.5	<2	2.10	0.6	10	28	22	2.83
CC88632		0.10	<0.001	<0.2	1.20	16	<10	230	0.6	4	3.84	0.8	8	21	18	2.55
CC88633		0.22	0.002	<0.2	0.67	11	<10	80	<0.5	<2	13.4	0.6	6	12	15	2.02
CC88634		0.24	0.001	<0.2	1.09	15	<10	140	0.5	<2	6.46	0.9	8	19	15	2.47
CC88635		0.12	0.004	<0.2	1.12	13	<10	250	0.5	<2	2.97	0.8	8	25	27	2.79
CC88636		0.14	0.001	<0.2	1.04	16	<10	200	0.5	<2	3.14	0.7	12	26	23	3.03

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	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC88587		<10	<1	0.05	10	10.30	2570	11	0.02	73	1860	1270	<0.01	23	1	76
CC88588		<10	<1	0.23	30	1.22	1180	1	0.01	63	1620	39	0.10	2	2	68
CC88589		<10	<1	0.15	20	2.28	1380	1	0.01	136	1480	81	0.12	<2	5	33
CC88590		10	<1	0.11	20	3.89	1790	<1	0.01	249	1340	27	0.06	<2	10	36
CC88591		10	<1	0.82	10	3.93	765	<1	0.01	160	630	11	0.11	2	11	48
CC88592		<10	<1	0.08	10	1.71	1385	3	0.02	32	900	40	0.12	<2	1	52
CC88593		<10	<1	0.16	10	0.57	676	1	0.01	84	950	10	0.08	<2	3	82
CC88594		10	<1	0.26	10	3.33	641	<1	0.01	97	970	8	0.06	<2	8	74
CC88595		<10	<1	0.13	10	2.20	1165	<1	0.01	30	410	30	<0.01	<2	3	195
CC88596		<10	<1	0.13	20	2.41	2350	1	0.02	28	780	75	0.14	5	2	103
CC88597		<10	<1	0.10	10	1.17	650	1	0.01	23	410	54	<0.01	<2	2	236
CC88598		<10	<1	0.06	10	6.88	4780	1	0.02	17	520	140	0.09	<2	1	120
CC88599		<10	<1	0.10	20	1.61	1080	2	0.01	25	610	75	0.08	2	2	21
CC88600		<10	<1	0.10	20	2.32	1125	2	0.02	31	530	52	0.11	2	3	45
CC88601		<10	<1	0.06	10	7.75	1140	2	0.02	22	450	85	0.08	4	2	84
CC88602		<10	<1	0.06	10	6.84	3540	2	0.03	21	530	392	0.11	5	2	91
CC88603		<10	<1	0.03	<10	10.95	362	1	0.02	4	380	23	<0.01	2	1	48
CC88604		<10	<1	0.05	10	9.61	410	1	0.01	11	620	33	<0.01	3	1	48
CC88605		<10	<1	0.07	10	5.29	851	3	0.02	18	730	60	0.08	<2	1	32
CC88606		<10	<1	0.05	10	7.88	724	2	0.02	14	660	47	0.06	<2	1	31
CC88607		<10	<1	0.04	10	9.53	355	1	0.02	11	550	36	0.05	<2	1	34
CC88608		<10	<1	0.02	<10	11.00	251	1	0.01	3	710	16	<0.01	<2	<1	49
CC88609		<10	<1	0.04	10	8.92	817	2	0.02	11	670	62	0.07	3	1	44
CC88610		<10	<1	0.05	10	7.80	732	3	0.02	18	720	105	0.06	5	1	42
CC88611		<10	1	0.08	10	3.95	1480	2	0.03	31	1210	118	0.09	4	1	41
CC88612		<10	<1	0.08	10	4.00	1560	2	0.02	28	1250	120	0.11	4	1	43
CC88613		<10	<1	0.07	20	4.21	1265	2	0.02	26	1110	74	0.09	2	1	38
CC88614		<10	<1	0.07	30	1.07	2450	2	0.01	29	1300	91	0.13	2	1	21
CC88615		<10	<1	0.08	30	1.30	1655	2	0.02	43	1270	152	0.08	3	2	23
CC88616		<10	<1	0.06	20	1.86	1425	1	0.02	28	1270	113	0.12	2	1	24
CC88627		<10	<1	0.07	10	1.07	780	1	0.02	19	1170	26	0.15	2	1	41
CC88628		<10	<1	0.08	10	2.42	403	1	0.02	26	1040	30	0.03	2	3	40
CC88629		<10	<1	0.10	10	2.07	524	1	0.02	24	920	34	0.06	<2	2	35
CC88630		<10	<1	0.09	10	2.62	508	1	0.02	25	970	43	0.05	<2	2	39
CC88631		<10	<1	0.12	10	0.78	807	<1	0.02	27	1220	51	0.09	<2	3	25
CC88632		<10	<1	0.09	10	1.93	615	<1	0.02	22	870	34	0.05	<2	2	34
CC88633		<10	<1	0.09	10	3.28	360	<1	0.02	19	580	31	0.02	<2	2	140
CC88634		<10	<1	0.09	10	2.52	668	<1	0.02	22	730	42	0.04	<2	2	56
CC88635		<10	<1	0.15	10	0.94	564	<1	0.02	29	970	59	0.07	<2	2	34
CC88636		<10	<1	0.22	10	0.68	552	<1	0.01	41	1090	26	0.11	<2	2	36

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 13-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10086509

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC88587		<20	0.01	<10	10	101	<10	2070
CC88588		<20	0.04	<10	<10	25	<10	149
CC88589		<20	0.04	<10	<10	50	<10	431
CC88590		<20	0.07	<10	<10	78	<10	204
CC88591		<20	0.23	<10	<10	94	<10	142
CC88592		<20	0.02	<10	<10	26	<10	800
CC88593		<20	0.02	<10	<10	12	<10	110
CC88594		<20	0.18	<10	<10	59	<10	112
CC88595		<20	0.02	<10	<10	11	<10	192
CC88596		<20	0.01	<10	<10	20	<10	466
CC88597		<20	0.01	<10	<10	6	<10	410
CC88598		<20	0.01	<10	<10	16	<10	647
CC88599		<20	0.02	<10	<10	41	<10	606
CC88600		<20	0.02	<10	<10	29	<10	610
CC88601		<20	0.01	<10	<10	15	<10	832
CC88602		<20	0.01	<10	<10	21	<10	1320
CC88603		<20	<0.01	<10	<10	4	<10	225
CC88604		<20	0.01	<10	<10	9	<10	393
CC88605		<20	0.02	<10	<10	29	<10	300
CC88606		<20	0.01	<10	<10	22	<10	385
CC88607		<20	0.01	<10	<10	15	<10	246
CC88608		<20	<0.01	<10	<10	5	<10	130
CC88609		<20	0.01	<10	<10	16	<10	352
CC88610		<20	0.02	<10	<10	24	<10	515
CC88611		<20	0.02	<10	<10	42	<10	894
CC88612		<20	0.02	<10	<10	43	<10	948
CC88613		<20	0.02	<10	<10	38	<10	479
CC88614		<20	0.02	<10	<10	75	<10	676
CC88615		<20	0.02	<10	<10	64	<10	817
CC88616		<20	0.02	<10	<10	53	<10	699
CC88627		<20	0.01	<10	<10	27	<10	182
CC88628		<20	0.03	<10	<10	34	<10	177
CC88629		<20	0.02	<10	<10	35	<10	221
CC88630		<20	0.02	<10	<10	34	<10	209
CC88631		<20	0.02	<10	<10	51	<10	178
CC88632		<20	0.02	<10	<10	34	<10	203
CC88633		<20	0.01	<10	<10	19	<10	138
CC88634		<20	0.02	<10	<10	33	<10	178
CC88635		<20	0.02	<10	<10	31	<10	222
CC88636		<20	0.03	<10	<10	26	<10	184

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 13-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10086509

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC88637		0.14	<0.001	<0.2	1.40	19	<10	260	0.6	<2	1.68	<0.5	12	34	30	3.21
CC88638		0.18	0.002	<0.2	1.07	9	<10	210	0.5	<2	1.90	0.5	8	22	17	2.73
CC88639		0.12	<0.001	<0.2	0.79	8	<10	210	<0.5	<2	5.54	0.5	10	28	23	3.17
CC88640		0.14	<0.001	<0.2	1.30	10	<10	260	0.5	<2	4.98	0.6	17	52	22	3.41
CC88641		0.16	<0.001	<0.2	1.64	9	<10	270	0.8	<2	1.57	<0.5	19	68	29	3.95
CC88642		0.16	<0.001	<0.2	2.00	8	<10	210	0.7	<2	2.68	<0.5	22	103	28	4.31
CC88643		0.26	<0.001	<0.2	0.69	10	<10	70	<0.5	<2	21.0	1.0	7	12	11	1.97
CC88644		0.16	<0.001	<0.2	1.02	12	<10	90	0.5	<2	14.7	0.6	12	19	15	3.07
CC88645		0.20	<0.001	<0.2	0.43	9	<10	40	<0.5	<2	24.3	<0.5	7	7	8	1.88
CC88646		0.26	0.002	0.2	0.44	20	<10	220	<0.5	<2	11.9	1.7	15	12	19	4.32
CC88647		0.20	0.004	<0.2	0.79	24	<10	160	0.5	15	9.8	2.6	12	16	18	3.32
CC88648		0.32	<0.001	<0.2	0.39	9	<10	70	<0.5	<2	20.7	<0.5	7	7	16	1.55
CC88649		0.26	<0.001	<0.2	0.31	18	<10	70	<0.5	3	15.3	<0.5	9	9	25	2.74
CC88650		0.24	0.179	2.4	0.47	164	<10	150	<0.5	18	15.3	4.7	3	10	29	2.62
CC88651		0.26	0.034	0.6	0.35	44	<10	80	<0.5	13	16.1	1.4	2	7	12	1.07
CC88652		0.22	0.123	1.7	0.27	146	<10	90	<0.5	331	16.3	2.0	3	9	25	2.90
CC88653		0.22	0.012	1.9	0.19	33	<10	50	<0.5	4	17.2	1.3	1	5	25	0.93
CC88654		0.22	0.034	<0.2	0.21	35	<10	100	<0.5	8	17.0	<0.5	1	4	5	1.26
CC88655		0.16	0.013	<0.2	0.44	21	<10	70	<0.5	<2	13.6	<0.5	2	8	5	1.14
CC88656		0.16	0.020	<0.2	0.18	19	<10	50	<0.5	<2	19.6	<0.5	2	4	4	0.85
CC88657		0.20	0.001	<0.2	0.15	10	<10	30	<0.5	<2	19.9	<0.5	1	5	2	0.44
CC88658		0.18	0.004	<0.2	0.18	11	<10	40	<0.5	<2	18.1	0.5	1	6	7	0.51
CC88659		0.24	0.011	<0.2	0.09	18	<10	40	<0.5	<2	19.7	1.0	3	5	7	0.53
CC88660		0.26	0.013	0.4	0.12	22	<10	90	<0.5	<2	19.3	2.3	1	8	6	1.05
CC88661		0.20	<0.001	<0.2	0.08	16	<10	40	<0.5	<2	19.5	<0.5	<1	6	2	0.42
CC88671		0.28	0.014	<0.2	0.25	33	<10	60	<0.5	2	18.6	1.0	2	7	7	1.16
CC88672		0.30	0.005	<0.2	0.14	11	<10	40	<0.5	<2	19.6	1.1	1	4	5	0.51
CC88673		0.34	0.019	0.9	0.11	41	<10	150	<0.5	2	19.4	2.9	2	5	16	0.99
CC88674		0.38	0.024	0.9	0.05	37	<10	160	<0.5	3	19.5	2.9	1	3	7	1.16
CC88675		0.30	0.096	1.1	0.23	89	<10	150	<0.5	8	17.7	2.7	7	11	28	1.96
CC88676		0.34	0.168	2.2	0.08	46	<10	70	<0.5	51	18.5	4.0	12	6	9	1.54
CC88677		0.38	0.114	2.1	0.09	33	<10	220	<0.5	9	19.1	5.2	21	6	9	1.43
CC88678		0.38	0.192	2.1	0.38	160	<10	190	<0.5	56	15.5	3.8	16	18	42	3.79
CC88679		0.32	0.009	1.1	0.29	33	<10	120	<0.5	5	15.7	2.5	3	8	6	1.43
CC88680		0.30	0.009	0.6	3.67	31	<10	560	0.6	4	7.0	2.3	46	246	91	7.01
CC88681		0.34	0.013	<0.2	3.54	47	<10	130	0.5	10	4.40	1.1	45	233	96	7.08
CC88682		0.32	0.006	<0.2	1.13	27	<10	260	<0.5	3	21.1	0.7	31	52	74	3.62
CC88683		0.34	<0.001	<0.2	1.68	10	<10	170	<0.5	2	2.40	0.5	70	77	147	7.44
CC88684		0.34	<0.001	<0.2	0.14	6	<10	140	<0.5	<2	>25.0	1.2	2	3	2	0.75
CC88685		0.22	0.019	0.9	0.44	22	<10	110	<0.5	<2	18.9	1.5	12	9	11	2.05

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Project: RAU

Finalized Date: 13-JUL-2010
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CERTIFICATE OF ANALYSIS VA10086509

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC88637		<10	<1	0.24	10	0.44	383	<1	0.01	39	990	36	0.06	<2	3	27
CC88638		<10	<1	0.11	10	0.53	525	<1	0.01	21	940	38	0.07	<2	2	24
CC88639		<10	<1	0.20	20	0.76	547	<1	0.02	34	1340	67	0.06	<2	2	66
CC88640		<10	<1	0.18	20	1.25	996	<1	0.01	67	910	101	0.07	<2	3	45
CC88641		<10	<1	0.26	20	0.71	828	<1	0.01	75	1080	57	0.08	<2	4	25
CC88642		<10	<1	0.29	20	1.44	1000	<1	0.01	95	1420	24	0.08	<2	4	35
CC88643		<10	<1	0.13	10	0.91	709	<1	0.02	19	770	50	<0.01	<2	1	235
CC88644		<10	<1	0.15	20	1.11	860	<1	0.01	33	910	26	0.07	<2	2	338
CC88645		<10	<1	0.13	10	1.54	296	<1	0.01	19	490	12	<0.01	<2	2	1140
CC88646		<10	<1	0.13	10	3.37	698	<1	0.01	49	890	143	0.11	<2	2	160
CC88647		<10	<1	0.11	20	5.29	1075	<1	0.02	37	1010	126	0.07	<2	2	50
CC88648		<10	<1	0.10	20	0.56	323	<1	0.01	25	780	46	<0.01	<2	2	180
CC88649		<10	<1	0.10	10	0.80	263	<1	0.01	35	1060	25	0.05	<2	2	119
CC88650		<10	<1	0.04	10	8.95	1680	<1	0.02	17	1640	683	0.03	7	1	62
CC88651		<10	<1	0.04	10	9.35	755	<1	0.02	8	1160	258	<0.01	<2	1	58
CC88652		<10	<1	0.03	10	9.64	1170	<1	0.02	20	1030	633	0.04	9	1	59
CC88653		<10	<1	0.02	<10	9.95	730	<1	0.02	6	690	270	<0.01	4	<1	60
CC88654		<10	<1	0.06	10	10.05	486	<1	0.02	8	880	50	0.03	<2	1	74
CC88655		<10	<1	0.04	10	7.44	648	<1	0.02	7	2100	21	0.13	<2	<1	54
CC88656		<10	<1	0.02	<10	11.75	727	<1	0.02	11	420	45	<0.01	<2	1	60
CC88657		<10	<1	0.01	<10	11.95	511	1	0.03	5	310	22	<0.01	<2	<1	68
CC88658		<10	<1	0.02	10	10.70	515	<1	0.03	11	1490	55	<0.01	<2	1	72
CC88659		<10	<1	0.01	10	11.75	575	2	0.02	16	380	244	<0.01	<2	1	77
CC88660		<10	<1	0.01	10	11.45	2360	<1	0.02	13	380	202	<0.01	<2	1	83
CC88661		<10	<1	0.01	<10	11.70	224	1	0.02	5	170	11	<0.01	<2	1	77
CC88671		<10	<1	0.02	10	11.00	758	2	0.02	16	530	129	<0.01	<2	1	70
CC88672		<10	<1	0.01	<10	11.65	591	2	0.02	10	320	122	<0.01	<2	<1	71
CC88673		<10	<1	0.02	<10	11.35	1910	4	0.02	22	340	847	<0.01	4	1	92
CC88674		<10	<1	0.01	<10	11.20	2720	4	0.02	12	120	411	<0.01	<2	1	102
CC88675		<10	<1	0.03	10	10.35	1380	5	0.02	43	500	801	<0.01	7	1	80
CC88676		<10	<1	0.02	10	11.25	1310	8	0.03	57	420	695	<0.01	6	1	73
CC88677		<10	1	0.01	10	11.65	2080	8	0.03	65	400	684	<0.01	4	1	75
CC88678		<10	<1	0.05	10	9.35	1785	8	0.03	83	1110	1220	0.02	11	3	67
CC88679		<10	1	0.04	10	8.93	2140	11	0.03	27	3660	374	0.05	4	1	59
CC88680		10	1	0.27	20	5.24	864	7	0.02	194	2920	149	0.07	6	11	88
CC88681		10	2	0.13	20	5.12	888	6	0.01	203	2130	25	0.04	<2	8	38
CC88682		<10	1	0.10	20	0.62	1100	<1	0.02	90	1110	78	<0.01	2	4	95
CC88683		<10	1	0.11	20	0.93	1235	<1	0.02	202	2070	25	0.20	<2	6	22
CC88684		<10	1	0.03	10	0.37	1340	<1	0.02	9	310	52	<0.01	<2	1	157
CC88685		<10	<1	0.08	20	0.44	731	1	0.02	38	1010	79	<0.01	<2	1	110

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CERTIFICATE OF ANALYSIS VA10086509

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC88637		<20	0.03	<10	<10	33	<10	190
CC88638		<20	0.01	<10	<10	29	<10	141
CC88639		<20	0.02	<10	<10	21	<10	123
CC88640		<20	0.04	<10	<10	32	<10	208
CC88641		<20	0.06	<10	<10	37	<10	170
CC88642		<20	0.10	<10	<10	49	<10	144
CC88643		<20	0.01	<10	<10	15	<10	337
CC88644		<20	0.02	<10	<10	22	<10	197
CC88645		<20	0.01	<10	<10	8	<10	121
CC88646		<20	0.01	<10	<10	13	<10	452
CC88647		<20	0.01	<10	<10	27	<10	551
CC88648		<20	0.01	<10	<10	9	<10	259
CC88649		<20	<0.01	<10	<10	10	<10	139
CC88650		<20	0.01	<10	<10	28	20	1235
CC88651		<20	0.01	<10	<10	20	<10	442
CC88652		<20	0.01	<10	<10	23	20	621
CC88653		<20	<0.01	<10	<10	17	<10	249
CC88654		<20	<0.01	<10	<10	17	<10	228
CC88655		<20	0.01	<10	<10	21	<10	76
CC88656		<20	<0.01	<10	<10	22	<10	119
CC88657		<20	<0.01	<10	<10	18	<10	71
CC88658		<20	0.01	<10	10	41	<10	128
CC88659		<20	<0.01	<10	<10	27	<10	249
CC88660		<20	<0.01	<10	<10	20	<10	412
CC88661		<20	<0.01	<10	<10	11	<10	36
CC88671		<20	0.01	<10	<10	24	<10	259
CC88672		<20	<0.01	<10	<10	19	<10	297
CC88673		<20	<0.01	<10	<10	30	<10	884
CC88674		<20	<0.01	<10	<10	22	10	690
CC88675		<20	0.01	<10	<10	29	10	929
CC88676		<20	<0.01	<10	<10	31	10	939
CC88677		<20	<0.01	<10	<10	23	10	1175
CC88678		<20	0.01	<10	<10	34	30	1480
CC88679		<20	0.01	<10	20	25	10	572
CC88680		<20	0.08	<10	<10	126	<10	555
CC88681		<20	0.04	<10	<10	102	<10	322
CC88682		<20	0.01	<10	<10	25	<10	302
CC88683		<20	0.01	<10	<10	40	<10	192
CC88684		<20	<0.01	<10	<10	3	<10	376
CC88685		<20	<0.01	<10	<10	10	<10	721

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 13-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10086509

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC88686		0.26	0.001	0.9	0.66	17	<10	430	<0.5	<2	12.1	2.3	11	15	15	2.74
CC88687		0.28	<0.001	<0.2	1.47	10	<10	120	0.5	2	3.98	<0.5	30	93	54	5.47
CC88688		0.24	<0.001	<0.2	0.77	9	<10	140	<0.5	<2	18.0	0.6	12	22	18	3.01
CC88689		0.24	<0.001	0.2	1.92	11	<10	160	<0.5	<2	7.4	0.6	27	120	62	4.52
CC88690		0.28	<0.001	0.3	0.46	10	<10	280	<0.5	<2	17.8	1.2	4	10	10	1.42
CC88691		0.22	<0.001	<0.2	2.39	10	<10	680	<0.5	2	2.42	0.7	32	122	50	5.88
CC88692		0.22	<0.001	0.3	1.34	14	<10	380	<0.5	2	2.37	0.7	27	60	52	5.14
CC88693		0.24	<0.001	1.2	1.01	21	<10	950	0.8	<2	3.35	2.2	12	19	21	4.00
CC88694		0.28	<0.001	0.7	0.74	12	<10	530	<0.5	<2	15.4	1.2	9	17	24	2.25
CC88695		0.32	0.012	0.8	0.62	14	<10	470	0.5	<2	9.5	1.3	9	9	24	2.57
CC88696		0.28	0.002	0.8	0.93	15	<10	690	0.7	3	5.77	2.9	11	16	24	3.11
CC88697		0.28	0.001	0.6	1.38	15	<10	470	0.8	2	1.24	2.7	11	25	17	3.23
CC88698		0.30	0.006	1.3	1.07	63	<10	2620	0.7	3	7.7	12.2	9	18	22	3.17
CC88699		0.34	0.001	0.5	1.43	16	<10	250	0.8	2	4.35	2.4	11	25	20	3.16
CC88700		0.30	<0.001	0.4	0.91	11	<10	1230	0.6	2	9.8	1.5	7	15	16	1.92
CC88701		0.30	0.022	0.9	0.52	11	<10	220	0.5	2	14.6	2.6	5	9	13	1.54
CC88702		0.32	0.005	0.8	0.56	10	<10	380	<0.5	3	13.6	2.1	4	10	14	1.40
CC88703		0.30	0.002	1.1	0.33	9	<10	1750	<0.5	<2	16.3	3.8	3	13	13	1.01
CC88704		0.32	<0.001	<0.2	0.51	6	<10	120	<0.5	2	15.1	1.1	4	8	11	1.00
CC88705		0.34	<0.001	0.2	0.41	7	<10	110	<0.5	2	15.2	0.6	3	8	11	0.89
CC88706		0.32	0.004	0.4	1.14	16	<10	170	0.6	<2	7.7	1.4	7	20	21	2.21
CC88707		0.24	0.003	1.2	1.19	29	<10	460	0.7	3	4.64	2.3	9	21	25	2.76
CC88708		0.30	0.004	0.6	0.84	15	<10	230	0.7	2	12.6	1.9	5	13	16	1.66
CC88709		0.32	0.001	0.7	1.13	17	<10	160	0.7	2	8.5	1.5	8	18	17	2.15
CC88710		0.24	0.001	0.4	1.94	14	<10	230	0.9	<2	0.86	1.2	10	30	19	3.08
CC88711		0.22	0.001	0.3	1.83	15	<10	220	0.8	<2	1.73	1.4	10	33	14	3.07
CC88712		0.32	0.004	0.4	1.43	25	<10	220	0.7	<2	4.51	1.4	7	29	20	2.59
CC88713		0.24	<0.001	0.3	1.46	29	<10	190	0.7	<2	3.32	1.9	9	26	19	2.54
CC88714		0.20	0.005	0.6	1.14	18	<10	180	0.5	<2	5.34	2.2	6	19	16	1.80
CC88715		0.28	0.002	0.2	2.18	16	<10	260	0.9	<2	0.59	1.8	13	33	18	3.31
CC88716		0.22	0.001	0.6	1.30	12	<10	310	0.7	<2	3.67	1.4	8	18	19	2.42
CC88717		0.20	0.003	2.0	0.69	28	<10	3090	0.5	<2	13.1	5.5	5	10	24	2.07
CC88718		0.16	0.002	0.3	0.76	11	<10	140	0.5	<2	12.7	1.7	3	11	11	1.26
CC88719		0.22	0.008	1.9	0.25	14	<10	2850	<0.5	<2	16.1	3.5	2	5	26	0.89
CC88720		0.18	0.005	0.9	0.27	12	<10	340	0.5	<2	17.9	1.7	1	5	10	0.80
CC88721		0.18	0.001	0.5	1.22	11	<10	340	0.6	<2	8.4	1.5	6	18	18	2.01
CC88722		0.22	0.002	0.3	0.57	15	<10	140	0.5	<2	15.6	1.6	3	9	12	1.07
CC88723		0.18	0.001	0.7	1.53	19	<10	240	0.9	<2	5.55	2.4	8	24	21	2.64
CC88724		0.18	0.002	0.9	1.57	22	<10	220	0.8	<2	6.4	2.0	8	29	21	2.54
CC88725		0.16	0.002	0.4	1.69	16	<10	260	0.8	<2	2.14	4.1	10	29	23	2.80

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Project: RAU

Finalized Date: 13-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10086509

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
CC88686		<10	1	0.11	20	0.85	987	<1	0.02	36	950	248	0.10	2	2	119
CC88687		<10	1	0.18	30	1.54	831	<1	0.01	149	1800	19	0.05	<2	3	42
CC88688		<10	1	0.13	20	1.12	707	<1	0.02	40	890	28	<0.01	<2	3	763
CC88689		<10	1	0.11	20	2.32	808	<1	0.02	125	1020	26	0.07	<2	5	73
CC88690		<10	<1	0.05	10	7.74	1395	<1	0.02	19	410	34	<0.01	<2	1	86
CC88691		<10	1	0.27	10	2.45	981	<1	0.02	121	690	20	0.12	<2	6	25
CC88692		<10	1	0.19	10	1.10	804	<1	0.02	109	840	23	0.10	<2	4	18
CC88693		<10	<1	0.12	20	0.96	1880	<1	0.02	35	970	132	0.10	4	2	36
CC88694		<10	1	0.15	10	3.89	980	<1	0.03	32	600	69	<0.01	3	3	126
CC88695		<10	1	0.12	10	2.26	1180	<1	0.02	30	660	70	0.04	4	2	80
CC88696		<10	<1	0.12	20	3.07	1755	1	0.03	33	800	102	0.07	3	2	48
CC88697		<10	<1	0.08	20	0.57	1465	1	0.02	27	790	78	0.08	<2	2	18
CC88698		<10	<1	0.08	10	4.53	3140	1	0.05	32	710	250	0.10	2	2	60
CC88699		<10	1	0.08	20	2.91	1340	1	0.01	32	720	81	0.04	<2	3	34
CC88700		<10	1	0.07	10	5.71	1015	1	0.04	22	690	53	0.09	2	2	48
CC88701		<10	1	0.05	10	8.72	1730	1	0.03	20	490	86	0.05	3	1	60
CC88702		<10	1	0.05	10	8.11	848	1	0.02	17	500	77	0.03	3	1	43
CC88703		<10	1	0.04	10	9.60	1070	2	0.04	22	430	83	<0.01	5	1	60
CC88704		<10	<1	0.04	10	8.98	628	1	0.02	18	610	51	0.04	3	1	69
CC88705		<10	1	0.04	10	9.20	297	1	0.02	16	480	32	<0.01	2	1	42
CC88706		<10	1	0.08	20	4.65	698	1	0.03	28	810	105	0.02	6	2	40
CC88707		<10	1	0.08	10	2.90	1220	2	0.02	30	840	213	0.08	7	2	29
CC88708		<10	1	0.06	10	7.58	1365	2	0.02	23	780	113	0.04	3	1	70
CC88709		<10	<1	0.06	10	5.14	875	4	0.02	28	710	79	0.03	3	2	40
CC88710		<10	<1	0.08	20	0.68	834	2	0.02	30	1000	67	0.06	<2	3	19
CC88711		<10	1	0.08	20	1.04	1100	1	0.02	28	950	44	0.05	2	2	19
CC88712		<10	1	0.10	20	2.57	1025	1	0.02	32	1040	70	0.08	<2	2	31
CC88713		<10	1	0.08	20	1.54	1155	1	0.02	32	1170	65	0.12	<2	2	25
CC88714		<10	1	0.06	20	2.14	1185	<1	0.02	22	1260	49	0.15	<2	1	28
CC88715		<10	1	0.08	20	0.60	1030	1	0.02	33	510	21	0.04	<2	4	18
CC88716		<10	1	0.07	10	1.69	1165	<1	0.03	17	1230	60	0.14	<2	1	23
CC88717		<10	1	0.06	10	7.72	3620	2	0.03	19	660	164	0.14	4	1	67
CC88718		<10	1	0.05	10	7.84	1130	<1	0.02	16	770	16	0.08	<2	1	36
CC88719		<10	1	0.03	10	9.35	1430	1	0.03	13	270	435	<0.01	7	1	105
CC88720		<10	1	0.03	<10	10.95	1580	1	0.02	18	370	175	0.04	<2	1	59
CC88721		<10	1	0.07	10	4.77	1260	1	0.03	22	810	214	0.06	<2	1	29
CC88722		<10	1	0.04	10	9.83	684	1	0.03	17	650	96	0.05	<2	1	48
CC88723		<10	1	0.09	10	3.43	1120	1	0.02	31	1020	158	0.08	<2	2	33
CC88724		<10	1	0.08	30	3.94	1095	2	0.02	40	1640	134	0.08	<2	2	35
CC88725		<10	1	0.08	20	1.15	1020	<1	0.02	27	830	51	0.07	<2	2	21

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Project: RAU

Finalized Date: 13-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10086509

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC88686		<20	0.01	<10	<10	17	<10	751
CC88687		<20	0.03	<10	<10	34	<10	176
CC88688		<20	0.02	<10	<10	16	<10	183
CC88689		<20	0.04	<10	<10	45	<10	233
CC88690		<20	0.01	<10	<10	18	<10	399
CC88691		<20	0.15	<10	<10	60	<10	217
CC88692		<20	0.06	<10	<10	30	<10	231
CC88693		<20	0.01	<10	<10	22	<10	721
CC88694		<20	0.02	<10	<10	15	<10	430
CC88695		<20	0.01	<10	<10	14	<10	403
CC88696		<20	0.02	<10	<10	25	<10	726
CC88697		<20	0.02	<10	<10	43	<10	455
CC88698		<20	0.02	<10	<10	33	<10	2190
CC88699		<20	0.02	<10	<10	44	<10	548
CC88700		<20	0.02	<10	<10	26	<10	491
CC88701		<20	0.01	<10	<10	16	<10	785
CC88702		<20	0.01	<10	<10	21	<10	619
CC88703		<20	0.01	<10	<10	12	<10	901
CC88704		<20	0.01	<10	<10	17	<10	427
CC88705		<20	0.02	<10	<10	18	<10	231
CC88706		<20	0.03	<10	<10	40	<10	431
CC88707		<20	0.02	<10	<10	42	<10	770
CC88708		<20	0.01	<10	<10	28	<10	590
CC88709		<20	0.02	<10	<10	37	<10	453
CC88710		<20	0.03	<10	<10	58	<10	377
CC88711		<20	0.03	<10	<10	66	<10	284
CC88712		<20	0.03	<10	<10	54	<10	332
CC88713		<20	0.03	<10	<10	53	<10	392
CC88714		<20	0.02	<10	<10	37	<10	397
CC88715		<20	0.03	<10	<10	56	<10	173
CC88716		<20	0.02	<10	<10	34	<10	419
CC88717		<20	0.01	<10	<10	20	<10	1520
CC88718		<20	0.01	<10	<10	21	<10	538
CC88719		<20	0.01	<10	<10	14	<10	1020
CC88720		<20	0.01	<10	10	11	<10	723
CC88721		<20	0.02	<10	<10	33	<10	502
CC88722		<20	0.01	<10	10	19	<10	463
CC88723		<20	0.02	<10	<10	46	<10	712
CC88724		<20	0.02	<10	<10	49	<10	649
CC88725		<20	0.02	<10	<10	58	<10	426

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CERTIFICATE OF ANALYSIS VA10086509

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC88726		0.20	0.004	0.6	1.77	41	<10	220	0.8	<2	2.89	3.6	9	31	16	3.04
CC88727		0.20	0.016	1.1	1.83	92	<10	290	0.9	<2	2.36	4.0	12	31	19	3.52
CC88728		0.20	0.021	1.0	1.92	130	<10	200	1.0	<2	1.73	2.0	11	32	20	3.74

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CERTIFICATE OF ANALYSIS VA10086509

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC88726		<10	<1	0.07	20	1.76	1355	1	0.02	34	820	88	0.07	<2	2	21
CC88727		<10	1	0.08	30	1.44	2440	1	0.02	59	820	125	0.05	<2	3	20
CC88728		<10	<1	0.08	30	1.06	2270	2	0.02	65	950	226	0.07	3	2	18

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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC88726		<20	0.02	<10	<10	69	<10	592
CC88727		<20	0.02	<10	<10	73	<10	821
CC88728		<20	0.02	<10	<10	88	<10	1050

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Finalized Date: 13-JUL-2010
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CERTIFICATE VA10087260

Project: RAU

P.O. No.: MH

This report is for 261 Soil samples submitted to our lab in Vancouver, BC, Canada on 29-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-31	Pulverize split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
PUL-QC	Pulverizing QC Test
SCR-43	Screen to -500um, discard plus
SCR-01	Screen - Save plus fraction

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 13-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10087260

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC88115		0.40	0.006	1.4	0.87	14	<10	330	<0.5	4	7.5	1.3	6	17	20	1.80
CC88116		0.18	0.005	0.5	1.20	6	<10	350	<0.5	3	2.52	2.1	6	20	11	1.82
CC88117		0.28	0.005	0.8	1.47	19	<10	290	0.7	<2	2.40	0.7	8	28	17	2.86
CC88118		0.22	0.004	0.6	1.74	11	<10	250	0.8	<2	3.72	2.2	8	26	10	2.67
CC88119		0.18	0.005	1.2	1.19	12	<10	290	0.7	<2	4.01	3.3	5	20	22	2.20
CC88120		0.18	0.006	0.9	1.16	17	<10	370	0.6	3	4.80	1.7	7	21	22	2.14
CC88121		0.24	0.007	0.6	1.41	16	<10	470	0.6	<2	2.31	1.1	8	26	23	2.62
CC88122		0.22	0.005	0.5	0.83	13	<10	160	<0.5	5	8.5	1.5	6	16	15	1.93
CC88123		0.24	0.005	0.4	1.28	12	<10	250	0.6	5	4.03	1.6	9	23	18	2.55
CC88124		0.26	0.006	0.3	1.49	17	<10	210	0.6	3	0.74	0.6	9	30	22	3.04
CC88125		0.18	0.008	0.4	1.22	17	<10	190	0.5	2	4.19	1.4	8	24	19	2.52
CC88126		0.32	0.004	<0.2	1.61	8	<10	140	<0.5	3	11.1	0.5	16	42	28	3.92
CC88127		0.20	0.004	0.3	1.68	12	<10	220	0.6	3	2.22	0.9	14	43	35	3.35
CC88128		0.20	0.004	0.3	1.20	12	<10	290	0.5	4	2.76	0.9	9	25	28	2.54
CC88129		0.22	0.029	0.9	1.09	27	<10	440	<0.5	10	5.67	1.5	12	39	38	3.06
CC88130		0.20	0.007	2.5	1.12	21	<10	570	0.5	2	3.91	5.2	15	23	36	3.99
CC88131		0.16	0.011	3.4	0.99	18	<10	830	0.5	2	2.19	7.9	11	21	30	3.44
CC88132		0.26	0.007	1.8	1.09	22	<10	440	0.5	3	4.37	3.4	17	22	36	3.98
CC88133		0.16	0.007	1.0	1.15	17	<10	520	0.6	<2	2.29	1.6	17	39	48	3.51
CC88134		0.30	0.145	2.8	1.08	92	<10	500	0.5	138	1.31	2.6	30	26	77	6.21
CC88135		0.20	0.175	3.3	0.66	142	<10	420	<0.5	192	2.29	1.9	35	19	99	6.11
CC88136		0.36	0.196	2.3	0.82	120	<10	410	<0.5	72	5.15	2.7	25	20	74	5.25
CC88137		0.24	0.206	6.8	0.39	114	<10	1530	<0.5	45	8.8	6.8	30	15	88	5.73
CC88138		0.24	0.290	5.6	0.48	125	<10	1330	<0.5	32	8.2	5.4	26	16	61	5.18
CC88139		0.32	0.057	3.2	0.55	53	<10	370	<0.5	15	9.8	3.1	24	15	55	4.32
CC88140		0.30	0.048	3.5	0.72	45	<10	400	<0.5	17	8.8	3.6	18	16	51	3.87
CC88141		0.28	0.040	1.7	0.83	34	<10	250	<0.5	19	9.1	1.7	17	17	40	3.45
CC88142		0.30	0.028	3.7	0.83	34	<10	200	<0.5	42	8.8	2.1	14	16	36	3.26
CC88143		0.22	0.123	1.1	1.35	25	<10	250	0.5	4	5.51	1.3	13	23	27	3.20
CC88144		0.20	0.006	0.6	0.33	16	<10	90	<0.5	2	16.3	1.6	3	9	10	1.01
CC88145		0.22	0.002	0.6	0.45	39	<10	90	<0.5	<2	2.51	2.0	6	22	18	1.78
CC88146		0.18	0.003	0.5	0.68	14	<10	100	<0.5	3	11.3	1.7	6	15	18	1.58
CC88147		0.28	0.024	0.5	0.68	12	<10	80	<0.5	2	13.2	1.2	5	16	14	1.37
CC88148		0.30	0.006	0.5	0.45	7	<10	80	<0.5	<2	14.1	1.3	4	11	12	1.07
CC88149		0.36	0.006	0.6	0.20	7	<10	60	<0.5	<2	16.3	1.3	3	8	10	0.75
CC88150		0.30	0.007	0.3	0.43	9	<10	80	<0.5	<2	15.0	0.8	3	10	10	0.82
CC88151		0.18	0.003	0.6	1.34	16	<10	180	0.6	<2	4.18	0.9	9	21	15	2.99
CC88152		0.12	0.003	0.8	0.97	19	<10	230	0.5	<2	3.91	3.7	10	19	25	3.21
CC88153		0.14	0.003	0.4	0.91	13	<10	340	0.5	2	7.7	0.9	12	21	18	3.40
CC88154		0.18	0.007	0.9	0.86	17	<10	400	0.5	<2	11.1	1.5	12	20	22	2.95

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VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 13-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10087260

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC88115		<10	<1	0.06	10	4.50	438	2	0.01	27	970	72	0.05	7	2	41
CC88116		<10	1	0.05	10	0.57	592	2	<0.01	13	1190	27	0.12	2	1	24
CC88117		10	<1	0.07	20	1.51	682	3	0.01	29	810	57	0.05	2	3	26
CC88118		<10	1	0.05	10	1.97	963	1	0.01	21	700	55	0.06	<2	2	17
CC88119		<10	1	0.07	10	1.74	925	2	0.01	28	1310	173	0.10	5	2	27
CC88120		<10	1	0.07	10	2.43	756	2	0.01	24	1210	58	0.09	3	1	29
CC88121		<10	1	0.07	10	1.32	549	1	0.01	28	860	37	0.05	2	3	24
CC88122		<10	1	0.06	10	5.01	690	1	0.01	20	870	45	0.04	<2	2	43
CC88123		<10	1	0.07	10	2.17	970	1	0.02	26	1070	45	0.07	3	2	29
CC88124		<10	<1	0.08	20	0.62	430	1	0.02	32	900	45	0.03	<2	4	23
CC88125		<10	1	0.09	10	2.23	886	2	0.02	29	1060	43	0.07	6	2	31
CC88126		<10	<1	0.53	10	2.23	427	<1	0.01	62	760	20	0.05	<2	4	116
CC88127		<10	1	0.17	10	0.89	574	1	0.01	55	700	39	0.10	2	3	31
CC88128		<10	<1	0.08	10	1.32	651	1	0.02	29	990	40	0.07	3	2	31
CC88129		<10	<1	0.09	10	3.11	815	1	0.03	55	1130	198	0.10	2	2	50
CC88130		<10	<1	0.09	20	1.59	1190	<1	0.03	51	1310	194	0.11	3	3	57
CC88131		<10	<1	0.10	10	0.76	785	<1	0.03	40	1140	227	0.14	2	3	32
CC88132		<10	<1	0.09	20	2.16	1275	<1	0.02	51	1270	192	0.07	3	3	38
CC88133		<10	<1	0.09	20	0.37	868	1	0.02	60	1580	104	0.14	3	2	34
CC88134		<10	<1	0.07	20	0.40	1045	1	0.02	99	2360	459	0.09	11	4	20
CC88135		<10	<1	0.11	20	0.42	997	1	0.02	114	2710	443	0.13	11	3	22
CC88136		<10	<1	0.08	20	2.65	1120	1	0.02	86	1910	341	0.05	11	4	53
CC88137		<10	<1	0.08	10	4.84	876	5	0.05	127	3070	1050	0.10	19	3	69
CC88138		<10	<1	0.07	10	4.40	884	5	0.04	119	3180	731	0.11	16	3	57
CC88139		<10	<1	0.08	10	5.63	1310	2	0.03	69	1700	525	0.05	6	3	46
CC88140		<10	<1	0.07	10	5.05	1425	1	0.03	57	1700	552	0.05	7	3	47
CC88141		<10	<1	0.10	10	4.88	963	<1	0.03	52	1350	190	0.03	4	3	60
CC88142		<10	<1	0.08	10	5.01	1035	<1	0.03	44	1400	289	0.04	5	3	52
CC88143		<10	<1	0.07	10	3.41	1100	1	0.02	42	1150	155	0.07	3	3	33
CC88144		<10	<1	0.03	10	9.65	1135	2	0.03	15	950	109	0.08	<2	1	69
CC88145		<10	<1	0.03	20	1.10	1360	6	0.01	30	1030	120	0.12	2	2	14
CC88146		<10	<1	0.05	10	6.40	1630	1	0.02	16	1360	117	0.14	2	1	48
CC88147		<10	<1	0.04	10	7.95	1115	<1	0.02	14	890	90	0.07	<2	1	49
CC88148		<10	<1	0.03	<10	8.60	1265	<1	0.02	12	560	80	0.06	<2	1	43
CC88149		<10	<1	0.02	<10	10.25	729	<1	0.02	9	360	99	0.04	<2	1	50
CC88150		<10	<1	0.02	<10	9.23	1245	<1	0.02	8	530	59	0.05	<2	1	40
CC88151		10	<1	0.09	10	2.13	1025	<1	0.02	20	950	391	0.07	2	2	33
CC88152		<10	<1	0.13	20	1.79	1510	<1	0.02	32	990	264	0.09	2	2	41
CC88153		<10	<1	0.17	20	1.49	682	<1	0.02	38	1040	121	0.11	<2	2	131
CC88154		<10	<1	0.12	10	2.57	766	<1	0.03	39	1040	197	0.06	2	2	136

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Project: RAU

Finalized Date: 13-JUL-2010
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CERTIFICATE OF ANALYSIS VA10087260

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC88115		<20	0.02	<10	<10	33	<10	412
CC88116		<20	0.02	<10	<10	42	<10	226
CC88117		<20	0.03	<10	<10	52	<10	218
CC88118		<20	0.03	<10	<10	59	<10	439
CC88119		<20	0.02	<10	<10	43	<10	622
CC88120		<20	0.02	<10	<10	42	<10	388
CC88121		<20	0.02	<10	<10	47	<10	208
CC88122		<20	0.02	<10	<10	31	<10	331
CC88123		<20	0.03	<10	<10	40	<10	358
CC88124		<20	0.04	<10	<10	51	<10	249
CC88125		<20	0.03	<10	<10	41	<10	281
CC88126		<20	0.15	<10	<10	30	<10	168
CC88127		<20	0.06	<10	<10	37	<10	286
CC88128		<20	0.04	<10	<10	38	<10	285
CC88129		<20	0.03	<10	<10	44	<10	575
CC88130		<20	0.02	<10	<10	30	<10	2450
CC88131		<20	0.02	<10	<10	26	<10	3000
CC88132		<20	0.02	<10	<10	30	<10	1210
CC88133		<20	0.01	<10	<10	28	<10	468
CC88134		<20	0.01	<10	<10	38	<10	1090
CC88135		<20	0.01	<10	10	27	10	1035
CC88136		<20	0.01	<10	<10	29	<10	1010
CC88137		<20	0.01	<10	10	27	<10	1985
CC88138		<20	0.01	<10	10	33	<10	1885
CC88139		<20	0.01	<10	<10	26	<10	987
CC88140		<20	0.01	<10	<10	30	<10	1090
CC88141		<20	0.02	<10	<10	29	<10	563
CC88142		<20	0.02	<10	<10	29	<10	616
CC88143		<20	0.02	<10	<10	44	<10	414
CC88144		<20	0.01	<10	<10	36	<10	458
CC88145		<20	0.01	<10	<10	60	<10	526
CC88146		<20	0.01	<10	<10	55	<10	356
CC88147		<20	0.01	<10	<10	54	<10	304
CC88148		<20	0.01	<10	<10	35	<10	386
CC88149		<20	0.01	<10	<10	33	<10	382
CC88150		<20	0.01	<10	<10	43	<10	231
CC88151		<20	0.02	<10	<10	40	<10	275
CC88152		<20	0.02	<10	<10	27	<10	669
CC88153		<20	0.01	<10	<10	19	<10	284
CC88154		<20	0.01	<10	<10	21	<10	500

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Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC88155		0.16	0.021	0.7	1.14	19	<10	280	0.6	<2	5.12	1.8	16	28	25	3.87
CC88156		0.18	0.009	0.5	0.88	18	<10	320	<0.5	3	9.3	1.3	8	23	24	2.21
CC88157		0.14	0.004	0.4	1.16	13	<10	360	0.5	<2	1.38	0.9	8	22	22	2.34
CC88158		0.18	0.006	0.5	1.12	17	<10	280	0.5	<2	4.18	1.2	7	22	29	2.32
CC88159		0.12	0.005	0.6	1.22	15	<10	500	0.5	<2	4.28	1.2	7	23	26	2.26
CC88160		0.12	0.006	0.7	1.33	18	<10	540	0.5	<2	2.69	0.9	8	25	25	2.39
CC88161		0.16	0.006	0.8	1.32	18	<10	520	0.6	<2	4.03	1.4	9	38	39	2.38
CC88162		0.12	0.006	0.9	0.85	10	<10	710	<0.5	<2	4.13	1.7	4	16	37	1.38
CC88163		0.10	0.006	0.2	1.00	10	<10	210	0.6	<2	1.83	0.5	9	19	22	2.75
CC88164		0.12	0.004	0.4	1.16	10	<10	280	0.6	<2	1.38	<0.5	8	21	24	2.49
CC88165		0.10	0.006	0.4	1.16	16	<10	210	0.5	<2	1.44	<0.5	14	29	29	3.03
CC88166		0.10	0.003	0.4	0.89	8	<10	270	0.5	<2	2.33	0.8	11	18	22	2.27
CC88167		0.14	0.019	0.6	0.94	10	<10	300	0.6	<2	1.45	0.5	12	20	30	2.54
CC88168		0.28	0.003	0.5	0.98	11	<10	130	<0.5	<2	3.40	<0.5	11	27	31	3.25
CC88169		0.14	0.004	0.3	1.53	9	<10	180	0.6	<2	2.98	<0.5	18	62	29	4.15
CC88170		0.10	0.004	0.3	1.28	9	<10	170	0.6	<2	2.38	0.6	12	38	18	2.67
CC88171		0.12	0.004	0.3	1.44	10	<10	150	0.7	<2	2.48	0.5	14	41	21	3.26
CC88172		0.22	0.003	0.4	0.76	5	<10	60	<0.5	<2	17.2	<0.5	13	23	15	3.09
CC88173		0.22	0.001	0.3	0.63	3	<10	30	<0.5	<2	20.0	<0.5	13	12	14	2.69
CC88174		0.20	<0.001	0.5	0.46	10	<10	20	<0.5	<2	24.3	<0.5	11	8	11	2.55
CC88175		0.24	0.005	0.4	0.57	2	<10	50	<0.5	<2	21.5	<0.5	14	10	16	3.06
CC88176		0.16	0.004	0.9	0.44	15	<10	240	<0.5	4	15.9	1.6	12	11	13	3.49
CC88177		0.28	0.002	0.3	0.40	22	<10	60	<0.5	3	5.74	<0.5	18	14	47	3.90
CC88178		0.16	0.018	1.5	0.80	36	<10	460	<0.5	6	2.49	2.0	46	33	127	5.25
CC88179		0.16	0.023	2.3	0.55	47	<10	510	<0.5	10	2.81	4.1	61	31	171	7.57
CC88180		0.06	0.063	3.1	0.87	80	<10	580	0.5	25	5.20	5.7	33	34	97	4.23
CC88181		0.18	0.058	6.4	0.21	61	<10	140	<0.5	22	16.1	3.5	15	13	90	2.03
CC88182		0.22	0.287	3.2	0.35	175	<10	600	<0.5	128	10.4	3.8	38	17	195	4.12
CC88183		0.20	0.050	1.6	0.59	150	<10	110	<0.5	36	14.0	2.0	10	17	49	3.29
CC88184		0.22	0.049	1.8	0.71	305	<10	150	<0.5	66	13.0	2.5	13	21	69	6.30
CC88185		0.18	0.006	0.9	0.27	13	<10	40	<0.5	<2	17.0	0.5	4	5	5	0.65
CC88186		0.16	0.007	0.4	0.51	14	<10	100	<0.5	2	10.1	0.7	5	8	9	1.10
CC88187		0.18	0.030	0.6	0.20	15	<10	50	<0.5	<2	15.6	0.7	5	4	8	0.72
CC88188		0.24	0.007	0.6	0.13	12	<10	50	<0.5	<2	18.0	0.7	4	4	6	0.55
CC88189		0.16	0.016	0.7	0.13	18	<10	80	<0.5	<2	18.3	1.9	4	6	6	0.94
CC88190		0.28	0.006	0.4	0.08	15	<10	40	<0.5	<2	17.7	<0.5	5	5	4	0.58
CC88191		0.24	0.003	0.3	0.12	19	<10	40	<0.5	<2	14.8	<0.5	7	7	9	1.30
CC88192		0.38	0.007	0.9	0.22	32	<10	50	<0.5	<2	16.1	0.6	7	7	36	1.16
CC88193		0.22	0.005	0.5	0.08	10	<10	100	<0.5	<2	17.7	1.5	4	4	4	0.55
CC88197		0.36	0.026	0.8	0.12	19	<10	60	<0.5	<2	16.4	1.4	9	10	12	1.18

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
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Project: RAU

Finalized Date: 13-JUL-2010
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CERTIFICATE OF ANALYSIS VA10087260

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC88155		<10	<1	0.16	20	1.78	938	<1	0.02	50	1270	199	0.09	2	2	81
CC88156		<10	<1	0.09	10	4.76	607	1	0.03	29	990	84	0.05	2	2	65
CC88157		<10	<1	0.08	10	0.49	534	<1	0.02	25	810	36	0.07	<2	2	26
CC88158		<10	<1	0.09	10	2.48	482	1	0.03	29	1010	39	0.03	2	3	42
CC88159		<10	<1	0.09	10	2.23	774	1	0.03	26	1040	37	0.06	<2	2	38
CC88160		10	<1	0.08	10	1.05	705	<1	0.03	24	1130	41	0.10	2	2	30
CC88161		<10	<1	0.09	10	2.21	550	1	0.03	33	940	51	0.05	2	2	39
CC88162		<10	<1	0.05	10	0.56	431	<1	0.04	21	1540	27	0.20	2	1	40
CC88163		<10	<1	0.19	30	0.37	430	<1	0.02	22	1310	36	0.07	<2	2	32
CC88164		<10	<1	0.18	20	0.39	281	<1	0.02	24	1240	54	0.06	<2	2	30
CC88165		<10	<1	0.19	30	0.47	423	<1	0.02	44	990	66	0.05	<2	2	26
CC88166		<10	<1	0.16	20	0.37	607	<1	0.02	25	980	64	0.08	<2	1	33
CC88167		<10	<1	0.21	40	0.32	759	<1	0.02	26	1160	128	0.05	<2	2	29
CC88168		<10	<1	0.19	30	1.37	470	<1	0.02	30	1540	45	<0.01	<2	2	43
CC88169		<10	<1	0.22	30	1.58	597	<1	0.03	68	1300	39	0.01	<2	3	39
CC88170		<10	<1	0.11	10	0.50	813	<1	0.02	35	1240	56	0.11	<2	2	37
CC88171		<10	<1	0.16	20	0.67	817	<1	0.02	47	1020	54	0.10	<2	2	37
CC88172		<10	<1	0.18	20	0.99	462	<1	0.02	34	900	16	0.03	<2	3	400
CC88173		<10	<1	0.12	10	0.75	365	<1	0.02	32	850	8	<0.01	<2	3	679
CC88174		<10	<1	0.15	10	0.76	328	<1	0.02	27	540	12	<0.01	<2	3	1180
CC88175		<10	<1	0.17	10	1.37	432	<1	0.02	37	680	24	<0.01	<2	4	677
CC88176		<10	<1	0.11	10	7.32	1220	<1	0.03	34	640	132	0.05	<2	1	135
CC88177		<10	<1	0.14	10	0.69	199	<1	0.02	60	1480	23	0.03	<2	2	63
CC88178		<10	<1	0.19	20	0.51	837	<1	0.03	168	4470	339	0.08	3	6	36
CC88179		<10	<1	0.16	20	0.76	1185	<1	0.03	207	5170	693	0.11	11	6	37
CC88180		<10	<1	0.20	10	1.67	1165	1	0.04	117	8050	1175	0.11	13	4	67
CC88181		<10	<1	0.07	10	9.20	1015	2	0.03	44	3520	2450	0.01	28	3	80
CC88182		<10	<1	0.10	10	5.74	999	<1	0.03	154	1750	522	0.03	21	3	60
CC88183		<10	<1	0.07	10	8.29	1260	<1	0.02	37	1320	630	0.02	7	2	48
CC88184		<10	<1	0.07	10	7.66	1430	1	0.03	57	1460	821	<0.01	10	3	46
CC88185		<10	<1	0.03	<10	10.05	432	<1	0.03	3	930	133	0.03	<2	1	65
CC88186		<10	<1	0.03	10	4.97	861	<1	0.03	6	2150	47	0.20	<2	<1	40
CC88187		<10	<1	0.02	<10	9.10	801	2	0.03	10	530	127	0.05	<2	1	51
CC88188		<10	<1	0.01	<10	10.80	854	1	0.03	8	590	104	<0.01	<2	1	74
CC88189		<10	<1	0.03	<10	10.90	2360	4	0.03	9	780	151	<0.01	<2	1	85
CC88190		<10	<1	0.02	<10	10.65	366	2	0.03	9	190	61	<0.01	<2	1	74
CC88191		<10	<1	0.05	10	8.61	459	4	0.02	13	240	41	0.05	<2	1	86
CC88192		<10	<1	0.03	10	9.54	492	1	0.03	17	770	259	0.02	8	1	68
CC88193		<10	<1	0.01	<10	11.10	1190	<1	0.02	4	150	40	<0.01	<2	<1	74
CC88197		<10	<1	0.03	<10	10.30	480	<1	0.02	24	390	153	0.02	<2	1	55

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CERTIFICATE OF ANALYSIS VA10087260

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC88155		<20	0.02	<10	<10	27	<10	525
CC88156		<20	0.02	<10	<10	31	<10	379
CC88157		<20	0.03	<10	<10	39	<10	210
CC88158		<20	0.03	<10	<10	40	<10	214
CC88159		<20	0.02	<10	<10	40	<10	207
CC88160		<20	0.02	<10	<10	44	<10	211
CC88161		<20	0.02	<10	<10	48	<10	215
CC88162		<20	0.01	<10	10	28	<10	182
CC88163		<20	0.01	<10	<10	23	<10	138
CC88164		<20	0.02	<10	<10	25	<10	184
CC88165		<20	0.02	<10	<10	24	<10	166
CC88166		<20	0.01	<10	<10	18	<10	168
CC88167		<20	0.01	<10	<10	20	<10	162
CC88168		<20	0.02	<10	<10	25	<10	148
CC88169		<20	0.04	<10	<10	39	<10	145
CC88170		<20	0.02	<10	<10	30	<10	109
CC88171		<20	0.03	<10	<10	31	<10	201
CC88172		<20	0.03	<10	<10	15	<10	104
CC88173		<20	0.01	<10	<10	8	<10	105
CC88174		<20	0.01	<10	<10	7	<10	92
CC88175		<20	0.01	<10	<10	9	<10	109
CC88176		<20	0.01	<10	<10	13	<10	464
CC88177		<20	0.01	<10	<10	10	<10	122
CC88178		<20	0.01	<10	10	40	<10	566
CC88179		<20	0.01	<10	20	42	<10	929
CC88180		<20	0.01	<10	40	54	<10	1140
CC88181		<20	<0.01	<10	20	27	<10	938
CC88182		<20	<0.01	<10	<10	23	10	1060
CC88183		<20	0.01	<10	10	27	10	915
CC88184		<20	0.02	<10	<10	33	20	1340
CC88185		<20	0.01	<10	<10	12	<10	94
CC88186		<20	0.01	<10	<10	20	<10	138
CC88187		<20	0.01	<10	10	22	<10	162
CC88188		<20	<0.01	<10	10	26	<10	172
CC88189		<20	<0.01	<10	10	21	10	394
CC88190		<20	<0.01	<10	<10	9	<10	126
CC88191		<20	<0.01	<10	<10	9	<10	175
CC88192		<20	0.01	<10	10	36	<10	181
CC88193		<20	<0.01	<10	<10	20	<10	183
CC88197		<20	<0.01	<10	10	22	<10	452

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CERTIFICATE OF ANALYSIS VA10087260

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC88198		0.42	0.015	0.8	0.15	16	<10	50	<0.5	<2	17.4	1.4	7	11	10	0.76
CC88199		0.16	0.009	0.6	0.45	7	<10	60	<0.5	<2	10.7	1.4	6	16	14	0.84
CC88200		0.30	0.072	1.8	0.41	53	<10	150	<0.5	3	11.6	2.1	23	32	31	3.14
CC88201		0.18	0.010	0.6	0.43	7	<10	60	<0.5	<2	10.6	1.0	8	18	15	0.98
CC88202		0.14	0.003	0.4	0.62	9	<10	80	<0.5	<2	6.86	1.2	7	17	19	1.27
CC88203		0.30	0.004	0.5	0.46	10	<10	70	<0.5	<2	11.3	0.8	6	14	15	0.96
CC88204		0.30	0.031	0.9	0.55	26	<10	110	<0.5	7	13.6	1.5	8	12	21	1.85
CC88205		0.24	0.010	1.1	1.10	25	<10	260	0.5	9	7.6	2.0	12	22	29	3.07
CC88206		0.22	0.012	1.3	1.09	25	<10	400	0.5	7	7.2	2.0	11	21	29	3.09
CC88207		0.24	0.010	1.5	1.27	23	<10	460	0.6	8	3.20	3.3	14	24	30	3.24
CC88208		0.30	0.020	1.5	1.54	27	<10	520	0.7	10	3.93	2.3	14	29	28	3.93
CC88209		0.36	0.017	1.4	1.13	20	<10	230	0.5	9	7.18	2.0	12	22	23	2.87
CC88210		0.30	0.007	2.4	1.31	32	<10	610	0.8	16	2.02	4.7	17	28	31	4.87
CC88211		0.28	0.019	1.1	1.58	27	<10	480	0.7	27	0.93	2.2	15	32	25	4.07
CC88212		0.40	0.010	0.6	1.24	18	<10	280	0.5	7	2.74	1.4	11	25	34	2.90
CC88213		0.30	0.013	0.8	1.27	18	<10	360	0.5	5	3.07	1.7	11	26	34	3.17
CC88214		0.42	0.011	0.9	1.14	22	<10	510	0.5	25	5.17	2.5	12	23	34	3.16
CC88215		0.38	0.007	1.1	1.62	20	<10	450	0.6	10	0.73	1.8	12	32	22	3.84
CC88216		0.30	0.009	0.9	1.27	19	<10	390	0.5	8	1.31	2.3	12	31	23	3.38
CC88217		0.24	0.005	0.6	1.92	20	<10	400	0.5	<2	5.45	1.3	24	74	40	4.77
CC88218		0.36	0.002	0.3	1.69	17	<10	220	0.8	4	0.63	0.7	12	35	17	3.62
CC88219		0.36	0.005	0.3	1.15	16	<10	190	0.5	<2	4.17	1.2	9	24	26	2.47
CC88220		0.28	0.004	0.4	0.93	16	<10	160	0.5	3	7.8	1.3	11	17	20	3.11
CC88221		0.22	0.006	0.5	1.45	26	<10	260	0.8	2	1.44	1.3	11	22	24	3.30
CC88222		0.18	0.004	0.3	1.44	15	<10	250	0.7	3	2.63	0.9	11	22	24	3.11
CC88223		0.34	0.004	0.2	0.59	7	<10	100	<0.5	2	18.6	0.6	7	9	16	1.87
CC88224		0.36	0.004	<0.2	1.02	9	<10	140	0.5	2	6.49	0.8	10	16	21	2.93
CC88225		0.22	0.004	0.4	1.53	13	<10	240	0.8	2	1.32	1.4	11	27	24	2.92
CC88226		0.34	0.004	0.3	1.53	15	<10	280	0.8	3	1.17	0.7	12	28	19	3.07
CC88227		0.18	0.005	0.3	1.37	13	<10	250	0.7	<2	2.21	1.6	9	23	21	2.43
CC88228		0.22	0.006	0.4	1.41	11	<10	280	0.7	2	1.75	1.8	9	25	19	2.59
CC88229		0.16	0.005	0.5	1.42	12	<10	230	0.6	4	2.07	1.3	8	24	14	2.41
CC88230		0.26	0.007	0.7	0.60	12	<10	120	<0.5	5	15.0	1.8	5	11	12	1.43
CC88231		0.32	0.004	0.7	0.69	21	<10	630	<0.5	<2	11.0	1.6	5	14	17	1.59
CC88232		0.14	0.004	0.7	1.18	13	<10	270	0.5	<2	1.60	1.1	7	21	14	2.10
CC88233		0.20	0.005	0.5	0.95	15	<10	160	0.5	<2	4.11	1.5	6	17	14	1.96
CC88234		0.20	0.003	0.7	1.06	16	<10	390	0.5	<2	3.03	1.4	5	20	17	2.13
CC88235		0.24	0.005	1.0	0.87	14	<10	350	<0.5	4	1.66	1.5	4	21	17	2.11
CC88236		0.30	0.002	1.0	1.00	21	<10	400	0.5	<2	2.95	1.2	6	25	19	2.56
CC88237		0.14	0.005	0.7	0.94	3	<10	480	<0.5	3	3.49	<0.5	4	15	17	1.37

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	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC88198		<10	<1	0.02	<10	10.35	784	<1	0.03	13	530	186	0.02	<2	1	55
CC88199		<10	<1	0.04	<10	5.85	936	<1	0.03	9	930	70	0.12	<2	1	33
CC88200		<10	<1	0.06	10	6.73	1150	1	0.02	71	1150	357	0.05	2	2	39
CC88201		<10	<1	0.04	10	5.75	741	<1	0.03	14	1040	74	0.12	<2	1	36
CC88202		<10	<1	0.05	10	3.85	1280	<1	0.04	11	840	88	0.12	<2	1	25
CC88203		<10	<1	0.03	<10	6.50	820	<1	0.03	9	720	86	0.06	<2	1	33
CC88204		<10	<1	0.05	10	8.55	704	2	0.02	25	1120	170	0.07	7	1	49
CC88205		<10	<1	0.10	10	4.72	1160	2	0.02	39	1240	167	0.06	5	3	40
CC88206		<10	<1	0.09	10	4.26	1165	2	0.02	36	1380	178	0.10	5	2	36
CC88207		<10	1	0.08	10	1.39	1270	2	0.01	40	1640	215	0.15	3	2	25
CC88208		<10	<1	0.08	20	2.15	1125	2	0.01	45	1600	245	0.10	4	3	25
CC88209		<10	1	0.06	10	4.44	858	2	0.02	37	1150	219	0.04	<2	3	34
CC88210		<10	<1	0.08	20	0.89	1785	2	<0.01	55	2120	284	0.10	6	3	19
CC88211		<10	1	0.07	20	0.58	1470	1	0.01	45	1440	212	0.07	4	4	17
CC88212		<10	<1	0.08	10	1.72	770	1	0.02	37	1060	69	0.03	2	4	31
CC88213		<10	1	0.08	10	1.92	824	1	0.02	36	1150	117	0.04	<2	4	32
CC88214		<10	2	0.08	10	3.08	1185	1	0.02	35	1330	144	0.06	8	4	33
CC88215		<10	<1	0.07	20	0.54	921	1	0.01	38	1430	142	0.07	4	4	18
CC88216		<10	1	0.08	10	0.71	907	1	0.02	37	1270	139	0.08	3	3	22
CC88217		10	1	0.15	10	3.17	1370	1	0.01	89	1170	53	0.07	3	5	59
CC88218		<10	<1	0.07	20	0.62	1075	1	0.01	37	530	59	0.04	<2	4	17
CC88219		<10	1	0.08	10	1.96	713	1	0.02	31	1040	42	0.07	3	3	46
CC88220		<10	1	0.11	10	4.06	715	1	0.01	31	690	37	0.07	5	2	50
CC88221		<10	1	0.10	20	0.42	1090	1	0.01	31	1050	55	0.10	<2	2	22
CC88222		<10	<1	0.19	20	1.37	755	1	0.01	33	690	34	0.09	3	3	26
CC88223		<10	1	0.09	10	3.27	421	1	0.01	23	360	21	<0.01	2	2	174
CC88224		10	1	0.11	10	2.38	515	1	0.01	28	640	29	0.05	<2	3	64
CC88225		<10	<1	0.11	10	0.68	862	1	0.02	34	900	52	0.10	2	2	20
CC88226		<10	<1	0.09	20	0.63	869	2	0.02	33	850	43	0.08	3	3	21
CC88227		<10	<1	0.09	10	0.67	834	1	0.02	26	1020	34	0.11	2	2	23
CC88228		<10	1	0.09	10	0.62	795	1	0.02	27	1010	48	0.12	2	2	20
CC88229		<10	1	0.07	10	0.64	882	1	0.02	19	1080	40	0.12	2	2	22
CC88230		<10	1	0.06	10	9.43	928	2	0.02	15	560	67	0.05	5	1	55
CC88231		<10	<1	0.08	10	5.56	616	1	0.02	19	620	61	0.02	<2	2	66
CC88232		<10	<1	0.07	10	0.47	528	1	0.01	19	840	35	0.07	<2	2	22
CC88233		<10	<1	0.08	10	2.23	661	2	0.02	22	880	43	0.06	<2	2	30
CC88234		<10	<1	0.07	10	1.50	398	2	0.02	23	840	29	0.05	<2	2	32
CC88235		<10	1	0.08	10	0.75	258	4	0.01	32	870	33	0.08	2	2	30
CC88236		<10	<1	0.08	10	1.44	787	6	0.01	40	950	61	0.08	6	1	27
CC88237		10	<1	0.04	10	0.66	414	2	0.01	18	1960	13	0.20	<2	1	33

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
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Project: RAU

Finalized Date: 13-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10087260

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC88198		<20	<0.01	<10	10	28	<10	439
CC88199		<20	0.01	<10	10	36	<10	315
CC88200		<20	0.01	<10	<10	64	<10	897
CC88201		<20	0.01	<10	<10	39	<10	284
CC88202		<20	0.02	<10	<10	52	<10	289
CC88203		<20	0.01	<10	<10	47	<10	281
CC88204		<20	0.01	<10	<10	36	<10	365
CC88205		<20	0.03	<10	<10	42	<10	477
CC88206		<20	0.02	<10	<10	43	<10	495
CC88207		<20	0.02	<10	<10	44	<10	537
CC88208		<20	0.02	<10	<10	54	<10	615
CC88209		<20	0.03	<10	<10	42	<10	542
CC88210		<20	0.02	<10	<10	48	<10	1185
CC88211		<20	0.03	<10	<10	56	<10	684
CC88212		<20	0.05	<10	<10	46	<10	302
CC88213		<20	0.05	<10	<10	48	<10	383
CC88214		<20	0.04	<10	<10	42	<10	500
CC88215		<20	0.03	<10	<10	52	<10	549
CC88216		<20	0.03	<10	<10	47	<10	512
CC88217		<20	0.07	<10	<10	41	<10	362
CC88218		<20	0.03	<10	<10	53	<10	271
CC88219		<20	0.04	<10	<10	37	<10	277
CC88220		<20	0.02	<10	<10	24	<10	353
CC88221		<20	0.02	<10	<10	37	<10	366
CC88222		<20	0.02	<10	<10	30	<10	254
CC88223		<20	0.01	<10	<10	12	<10	160
CC88224		<20	0.01	<10	<10	21	<10	199
CC88225		<20	0.02	<10	<10	44	<10	349
CC88226		<20	0.03	<10	<10	49	<10	253
CC88227		<20	0.02	<10	<10	39	<10	291
CC88228		<20	0.02	<10	<10	43	<10	348
CC88229		<20	0.02	<10	<10	44	<10	261
CC88230		<20	0.02	<10	<10	20	<10	684
CC88231		<20	0.03	<10	<10	25	<10	329
CC88232		<20	0.02	<10	<10	39	<10	234
CC88233		<20	0.02	<10	<10	36	<10	264
CC88234		<20	0.02	<10	<10	38	<10	205
CC88235		<20	0.02	<10	<10	41	<10	253
CC88236		<20	0.02	<10	<10	50	<10	326
CC88237		<20	0.02	<10	<10	26	<10	49

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VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 13-JUL-2010
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CERTIFICATE OF ANALYSIS VA10087260

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC88238		0.20	0.005	0.7	1.14	16	<10	530	<0.5	2	1.53	0.9	6	26	24	2.23
CC88244		0.22	0.013	0.5	0.78	47	<10	250	1.0	3	3.17	2.3	14	17	28	6.83
CC88245		0.22	0.011	0.4	0.76	51	<10	260	0.9	2	1.22	1.1	19	18	34	6.45
CC88246		0.46	0.025	0.7	0.32	22	<10	680	<0.5	4	12.2	0.8	10	16	22	1.69
CC88249		0.30	0.008	0.8	0.54	18	<10	110	<0.5	<2	12.7	1.0	8	12	16	1.49
CC88250		0.28	0.008	0.9	0.89	22	<10	150	<0.5	4	8.2	1.1	11	18	22	2.48
CC88251		0.20	0.029	0.6	1.43	21	<10	210	0.6	5	4.19	1.0	13	26	15	3.04
CC88252		0.26	0.008	1.2	1.46	28	<10	360	0.7	15	1.10	1.4	18	29	25	4.03
CC88253		0.34	0.007	1.3	1.55	29	<10	270	0.7	13	1.16	1.3	15	30	25	3.65
CC88254		0.28	0.017	0.9	0.82	25	<10	160	<0.5	18	8.4	1.1	10	20	22	2.19
CC88255		0.28	0.053	1.1	0.81	34	<10	360	<0.5	14	14.2	1.9	12	38	28	2.24
CC88256		0.38	0.010	0.4	1.22	17	<10	420	<0.5	2	2.56	0.8	11	25	32	2.69
CC88257		0.18	0.022	0.7	1.33	21	<10	330	0.5	5	6.34	2.1	14	30	20	3.27
CC88258		0.26	0.018	0.8	0.98	27	<10	430	<0.5	8	17.5	0.9	17	39	33	2.72
CC88259		0.26	0.010	0.7	0.85	21	<10	370	<0.5	3	13.8	1.2	14	27	35	2.52
CC88260		0.24	0.007	0.5	1.29	20	<10	180	0.5	3	5.70	0.7	18	36	36	3.40
CC88261		0.20	0.004	0.7	1.42	19	<10	640	0.5	<2	2.42	3.0	17	39	31	3.36
CC88262		0.26	0.004	0.2	1.46	11	<10	340	0.5	<2	3.22	0.8	13	29	26	2.75
CC88263		0.38	0.003	0.2	0.39	3	<10	60	<0.5	<2	21.9	<0.5	5	5	7	1.00
CC88264		0.28	0.004	0.3	0.80	7	<10	80	<0.5	<2	16.3	<0.5	7	9	11	1.76
CC88265		0.32	0.005	0.4	1.06	16	<10	170	0.6	<2	5.09	0.7	12	18	25	2.63
CC88266		0.24	0.005	0.9	1.15	15	<10	370	0.6	<2	5.58	5.5	11	16	22	2.73
CC88267		0.24	0.004	0.3	0.48	8	<10	80	<0.5	<2	18.3	<0.5	8	6	15	1.64
CC88268		0.24	0.006	0.4	1.48	14	<10	180	0.7	<2	2.92	0.7	12	25	24	2.97
CC88269		0.28	0.003	0.4	0.86	9	<10	110	0.5	<2	10.3	1.2	10	14	14	1.86
CC88270		0.18	0.005	0.6	1.43	12	<10	200	0.7	<2	4.58	1.6	11	23	20	2.62
CC88271		0.22	0.018	0.5	1.29	13	<10	200	0.6	<2	5.08	1.3	11	22	20	2.46
CC88272		0.22	0.004	0.3	1.74	17	<10	230	0.7	<2	1.70	0.8	13	31	22	3.30
CC88273		0.24	0.004	0.8	0.91	15	<10	160	0.5	<2	10.5	2.1	8	16	21	2.12
CC88274		0.24	0.004	0.9	1.58	20	<10	470	0.8	<2	3.33	2.1	11	25	27	2.73
CC88275		0.30	0.006	0.5	1.02	12	<10	140	0.5	<2	7.9	1.0	8	18	16	1.98
CC88276		0.22	0.005	0.7	1.60	16	<10	240	0.8	<2	3.24	7.3	10	24	15	2.78
CC88277		0.22	0.006	0.5	1.52	15	<10	600	0.6	<2	2.36	1.7	10	24	14	2.61
CC88278		0.26	0.003	0.4	1.59	12	<10	280	0.6	<2	1.14	1.2	11	27	13	2.73
CC88279		0.16	0.005	0.7	1.82	19	<10	420	1.2	<2	1.34	3.3	10	28	15	3.11
CC88280		0.18	0.002	0.4	1.91	17	<10	160	0.8	<2	1.16	0.7	11	45	13	2.92
CC88281		0.12	0.004	0.5	1.58	13	<10	360	0.7	<2	3.03	1.7	10	33	19	2.31
CC88282		0.22	0.004	0.2	1.60	12	<10	260	<0.5	<2	0.78	0.9	8	25	8	2.52
CC88283		0.18	0.005	0.2	1.95	14	<10	220	0.8	<2	1.55	1.4	11	31	12	3.33
CC88284		0.12	0.005	0.6	1.25	11	<10	400	0.6	<2	2.72	1.9	8	21	15	2.21

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Project: RAU

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CERTIFICATE OF ANALYSIS VA10087260

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC88238		<10	1	0.12	10	0.42	525	3	0.01	27	910	36	0.10	2	2	27
CC88244		<10	<1	0.17	20	1.69	1700	5	0.01	31	3460	188	0.67	5	2	27
CC88245		<10	<1	0.12	10	0.61	1675	7	0.01	33	1970	176	0.49	<2	2	15
CC88246		<10	<1	0.04	10	7.43	962	4	0.02	22	490	94	0.18	<2	2	74
CC88249		<10	<1	0.04	10	7.52	618	1	0.02	17	850	131	0.04	<2	2	53
CC88250		<10	<1	0.06	10	4.74	872	1	0.02	28	1510	154	0.06	<2	2	39
CC88251		<10	<1	0.06	10	2.50	1385	1	0.02	25	1420	137	0.08	<2	2	25
CC88252		<10	<1	0.06	20	0.48	1540	<1	0.02	39	1640	230	0.09	<2	2	15
CC88253		<10	<1	0.07	20	0.83	937	1	0.02	42	900	205	0.04	<2	4	17
CC88254		<10	<1	0.07	10	5.00	579	<1	0.03	28	1060	149	0.02	<2	3	44
CC88255		<10	<1	0.07	10	7.23	647	2	0.02	38	1050	280	0.03	<2	3	66
CC88256		<10	<1	0.09	10	1.41	530	<1	0.03	28	1010	39	0.01	<2	4	40
CC88257		<10	1	0.09	10	1.20	1325	1	0.02	33	1140	164	0.07	<2	2	42
CC88258		<10	<1	0.11	10	3.55	700	1	0.03	47	1110	168	0.05	<2	3	143
CC88259		<10	<1	0.11	10	4.19	718	<1	0.02	44	1020	140	0.05	<2	3	115
CC88260		<10	<1	0.10	20	2.13	812	1	0.02	53	1120	78	0.04	<2	3	56
CC88261		<10	<1	0.19	10	1.34	1190	<1	0.02	49	1060	70	0.10	<2	3	27
CC88262		<10	1	0.16	10	1.08	588	<1	0.02	36	870	28	0.12	<2	2	34
CC88263		<10	<1	0.07	<10	2.46	203	<1	0.02	6	200	13	<0.01	<2	2	210
CC88264		<10	<1	0.11	10	3.31	353	<1	0.02	12	340	18	0.04	<2	2	172
CC88265		<10	<1	0.10	10	3.00	642	<1	0.03	25	550	36	0.04	<2	3	43
CC88266		<10	<1	0.15	10	3.46	1185	1	0.03	24	620	68	0.06	<2	3	47
CC88267		<10	<1	0.11	10	2.31	296	<1	0.03	18	390	23	<0.01	<2	2	228
CC88268		<10	<1	0.11	20	1.94	625	1	0.03	32	500	46	0.04	<2	4	31
CC88269		<10	<1	0.08	10	6.08	782	1	0.03	19	590	50	0.07	<2	2	60
CC88270		<10	<1	0.10	20	2.94	902	1	0.03	27	820	63	0.08	<2	2	34
CC88271		<10	<1	0.11	20	3.26	809	1	0.03	25	750	50	0.06	<2	3	34
CC88272		<10	<1	0.12	20	1.25	727	1	0.04	31	630	51	0.04	<2	4	22
CC88273		<10	<1	0.07	10	6.13	1210	1	0.03	20	710	61	0.06	<2	2	50
CC88274		<10	1	0.10	10	1.94	1280	1	0.03	32	1010	130	0.08	<2	2	27
CC88275		<10	<1	0.07	10	4.67	596	1	0.03	20	710	56	0.03	<2	2	40
CC88276		<10	<1	0.08	10	1.55	1420	1	0.03	23	1210	88	0.11	<2	2	29
CC88277		<10	<1	0.07	10	1.09	1035	<1	0.03	19	900	65	0.08	<2	2	22
CC88278		<10	1	0.06	10	0.56	770	<1	0.02	20	800	42	0.05	<2	2	18
CC88279		<10	<1	0.07	20	0.73	2160	2	0.02	24	880	122	0.08	<2	2	15
CC88280		10	<1	0.07	50	0.57	719	1	0.02	41	1660	47	0.07	<2	2	18
CC88281		<10	<1	0.07	30	1.19	884	1	0.02	26	1690	21	0.12	<2	2	21
CC88282		10	<1	0.05	10	0.37	325	1	0.02	15	750	36	0.05	<2	2	15
CC88283		<10	<1	0.08	10	0.72	416	1	0.03	21	680	25	0.06	2	3	22
CC88284		<10	<1	0.06	10	0.77	1475	1	0.03	18	1080	63	0.12	<2	2	26

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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC88238		<20	0.02	<10	<10	48	<10	146
CC88244		<20	0.02	<10	<10	34	<10	668
CC88245		<20	0.02	<10	<10	41	<10	463
CC88246		<20	0.02	<10	<10	17	<10	265
CC88249		<20	0.02	<10	<10	31	<10	322
CC88250		<20	0.01	<10	<10	40	<10	348
CC88251		<20	0.02	<10	<10	60	<10	283
CC88252		<20	0.02	<10	<10	54	<10	433
CC88253		<20	0.03	<10	<10	56	10	448
CC88254		<20	0.03	<10	<10	32	<10	303
CC88255		<20	0.02	<10	<10	34	<10	570
CC88256		<20	0.07	<10	<10	45	<10	186
CC88257		<20	0.02	<10	<10	40	<10	451
CC88258		<20	0.03	<10	<10	31	<10	375
CC88259		<20	0.02	<10	<10	24	<10	482
CC88260		<20	0.02	<10	<10	37	<10	287
CC88261		<20	0.05	<10	<10	32	<10	552
CC88262		<20	0.04	<10	<10	28	<10	198
CC88263		<20	0.01	<10	<10	6	<10	60
CC88264		<20	0.02	<10	<10	14	<10	115
CC88265		<20	0.02	<10	<10	30	<10	208
CC88266		<20	0.02	<10	<10	24	<10	1460
CC88267		<20	0.01	<10	<10	8	<10	155
CC88268		<20	0.03	<10	<10	44	<10	240
CC88269		<20	0.02	<10	<10	25	<10	350
CC88270		<20	0.02	<10	<10	39	<10	445
CC88271		<20	0.03	<10	<10	40	<10	355
CC88272		<20	0.03	<10	<10	55	<10	322
CC88273		<20	0.02	<10	<10	30	<10	655
CC88274		<20	0.03	<10	<10	48	<10	731
CC88275		<20	0.03	<10	<10	36	<10	298
CC88276		<20	0.02	<10	<10	50	<10	807
CC88277		<20	0.03	<10	<10	50	<10	397
CC88278		<20	0.03	<10	<10	54	<10	201
CC88279		<20	0.02	<10	<10	59	<10	786
CC88280		<20	0.02	<10	<10	84	<10	213
CC88281		<20	0.02	<10	<10	80	<10	192
CC88282		<20	0.02	<10	<10	73	<10	164
CC88283		<20	0.03	<10	<10	64	<10	242
CC88284		<20	0.02	<10	<10	44	<10	320

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 13-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10087260

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC88285		0.18	0.004	2.7	0.79	16	<10	250	0.5	2	10.4	2.2	5	17	15	1.64
CC88286		0.12	0.004	0.9	1.17	13	<10	490	0.6	<2	7.05	1.3	6	21	24	2.03
CC88287		0.14	0.004	0.8	1.28	13	<10	560	0.7	<2	4.56	1.4	7	22	33	2.15
CC88288		0.12	0.004	0.8	1.41	16	<10	750	0.6	<2	2.14	0.9	7	25	22	2.39
CC88289		0.10	0.005	0.5	1.33	14	<10	550	0.5	<2	1.50	0.8	8	24	16	2.34
CC88290		0.20	0.005	0.3	0.84	16	<10	210	<0.5	<2	5.64	1.0	7	19	20	2.19
CC88291		0.30	0.006	0.3	0.93	19	<10	180	<0.5	4	9.6	0.9	10	20	28	2.34
CC88292		0.26	0.007	0.3	1.03	19	<10	220	<0.5	2	6.7	1.3	10	24	27	2.64
CC88293		0.20	0.006	0.5	1.34	16	<10	290	0.5	2	1.32	1.0	12	37	30	3.11
CC88294		0.10	0.004	0.2	0.99	10	<10	280	0.5	<2	3.14	1.6	10	21	30	2.18
CC88295		0.12	0.005	0.5	1.22	10	<10	350	0.6	<2	2.09	0.7	11	26	35	2.74
CC88296		0.12	0.003	0.5	1.09	9	<10	310	0.6	<2	1.74	0.5	10	26	28	2.73
CC88297		0.14	0.003	0.2	1.23	9	<10	280	0.7	3	1.59	0.5	14	33	34	3.21
CC88298		0.14	0.004	0.3	1.22	7	<10	260	0.6	<2	1.76	<0.5	11	27	25	2.93
CC88299		0.14	0.004	0.4	1.09	9	<10	190	0.5	2	4.55	0.5	11	27	26	2.91
CC88300		0.12	0.004	0.3	1.19	9	<10	180	0.6	<2	1.59	0.7	11	35	17	3.32
CC88301		0.08	0.004	0.3	1.65	11	<10	160	0.6	<2	2.20	<0.5	15	59	26	3.45
CC88302		0.10	0.005	0.2	1.23	7	<10	150	0.5	<2	2.89	0.6	12	41	21	3.27
CC88303		0.10	0.004	<0.2	0.88	3	<10	60	<0.5	<2	7.71	0.5	10	19	14	2.83
CC88304		0.26	0.002	0.2	0.55	9	<10	40	<0.5	<2	>25.0	<0.5	11	10	11	2.71
CC88305		0.20	0.003	0.2	0.86	8	<10	60	<0.5	2	23.6	<0.5	11	16	14	3.01
CC88306		0.16	0.004	0.2	1.33	14	<10	110	<0.5	3	14.8	0.5	24	25	24	4.37
CC88307		0.16	0.008	0.5	1.28	23	<10	170	0.6	2	1.30	1.0	29	37	54	5.67
CC88308		0.22	0.006	0.5	1.40	21	<10	290	0.7	5	1.65	2.1	27	36	61	5.37
CC88309		0.10	0.014	0.7	0.54	21	<10	550	<0.5	5	4.15	0.8	28	29	115	3.56
CC88310		0.16	0.031	1.4	0.42	42	<10	280	<0.5	22	6.67	0.9	56	25	141	8.20
CC88327		0.14	0.006	1.1	1.08	17	<10	290	0.5	<2	4.05	2.2	7	23	19	2.10
CC88328		0.22	0.004	1.0	1.08	17	<10	240	0.6	2	4.73	1.5	6	21	18	2.20
CC88329		0.20	0.005	0.8	1.23	14	<10	430	0.6	<2	2.14	1.3	7	23	17	2.33
CC88330		0.14	0.006	0.5	1.57	12	<10	390	0.7	<2	1.86	1.0	8	25	11	2.57
CC88331		0.16	0.016	1.0	1.34	12	<10	390	0.6	<2	3.10	1.9	8	22	18	2.24
CC88332		0.12	0.008	0.7	1.80	18	<10	550	0.8	<2	1.35	<0.5	10	31	26	3.07
CC88333		0.22	0.007	0.8	1.10	22	<10	230	0.6	<2	8.8	1.6	8	19	19	2.28
CC88334		0.16	0.006	0.8	0.70	10	<10	260	0.5	<2	12.1	3.5	6	11	14	1.62
CC88335		0.20	0.006	0.6	1.16	16	<10	200	0.5	<2	4.93	1.4	7	22	25	2.36
CC88336		0.10	0.005	0.4	1.31	12	<10	230	0.6	<2	1.88	1.1	9	24	21	2.49
CC88337		0.18	0.055	0.5	1.73	17	<10	320	0.8	<2	0.71	1.0	12	33	21	3.21
CC88338		0.16	0.005	0.3	1.47	13	<10	230	0.6	<2	0.60	0.7	11	26	20	3.07
CC88339		0.10	0.008	0.5	1.48	15	<10	220	0.7	<2	0.97	0.9	12	24	20	3.22
CC88340		0.10	0.004	0.5	1.42	13	<10	270	0.6	<2	1.83	1.3	10	23	19	2.57

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Project: RAU

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CERTIFICATE OF ANALYSIS VA10087260

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC88285		<10	<1	0.08	10	5.86	1055	2	0.03	23	1320	90	0.09	6	1	53
CC88286		<10	1	0.10	10	3.95	554	1	0.03	26	1140	55	0.09	2	2	37
CC88287		<10	<1	0.09	10	1.59	599	1	0.03	27	1190	52	0.15	3	1	31
CC88288		<10	<1	0.09	10	0.57	634	1	0.03	23	1230	71	0.12	3	2	28
CC88289		<10	<1	0.08	10	0.48	559	1	0.03	21	1090	35	0.09	<2	2	27
CC88290		<10	<1	0.08	10	3.07	453	<1	0.04	23	930	35	0.07	2	2	43
CC88291		<10	<1	0.09	10	2.75	497	1	0.04	29	970	44	0.03	<2	3	95
CC88292		10	<1	0.11	10	2.69	593	<1	0.04	32	980	54	0.05	3	3	59
CC88293		<10	<1	0.09	10	0.65	690	1	0.04	43	1130	76	0.07	<2	3	32
CC88294		<10	<1	0.15	10	0.51	792	<1	0.04	27	1240	56	0.17	<2	2	39
CC88295		<10	<1	0.20	20	0.52	586	<1	0.04	32	1030	81	0.11	2	2	32
CC88296		<10	<1	0.22	30	0.43	550	<1	0.04	30	1050	95	0.11	3	2	31
CC88297		<10	<1	0.24	30	0.62	657	<1	0.04	40	1400	66	0.08	2	3	33
CC88298		<10	<1	0.20	20	0.45	686	<1	0.04	28	1380	42	0.10	2	2	36
CC88299		10	<1	0.22	20	1.58	451	<1	0.03	35	1190	79	0.06	<2	3	50
CC88300		<10	<1	0.24	30	0.50	485	<1	0.03	37	1250	61	0.08	3	3	29
CC88301		<10	<1	0.20	20	0.82	611	<1	0.03	67	1090	36	0.11	<2	3	39
CC88302		<10	<1	0.22	10	0.63	539	<1	0.03	48	980	28	0.12	3	3	38
CC88303		<10	<1	0.21	10	0.73	377	<1	0.03	31	1170	14	0.17	<2	2	210
CC88304		<10	1	0.14	10	0.83	370	<1	0.03	29	650	15	<0.01	3	4	1025
CC88305		<10	<1	0.17	10	1.00	396	<1	0.03	31	870	18	<0.01	4	4	714
CC88306		<10	<1	0.22	10	2.43	548	<1	0.03	62	1260	42	0.10	3	4	352
CC88307		<10	<1	0.17	20	0.54	793	<1	0.03	88	1440	65	0.09	2	5	24
CC88308		<10	<1	0.17	20	0.85	1040	<1	0.03	83	1540	95	0.07	5	5	27
CC88309		<10	<1	0.11	10	0.97	592	1	0.03	126	3700	118	0.24	4	2	38
CC88310		<10	<1	0.13	20	3.54	690	3	0.03	241	3120	159	0.10	6	7	40
CC88327		<10	<1	0.09	20	1.95	641	2	0.03	36	1420	85	0.07	<2	2	36
CC88328		<10	<1	0.09	10	2.69	637	3	0.03	31	1020	64	0.06	2	2	38
CC88329		<10	<1	0.08	10	0.72	806	2	0.03	26	1140	64	0.10	<2	2	29
CC88330		10	<1	0.08	10	0.67	480	1	0.03	17	940	72	0.09	<2	2	23
CC88331		<10	<1	0.09	10	1.33	582	<1	0.03	20	1060	63	0.12	<2	2	22
CC88332		<10	1	0.13	20	0.60	660	1	0.04	29	1190	53	0.08	3	3	27
CC88333		<10	<1	0.09	10	5.51	1195	1	0.04	25	830	70	0.05	5	2	44
CC88334		10	<1	0.08	10	7.18	1630	1	0.04	11	900	68	0.10	4	1	48
CC88335		<10	<1	0.10	10	3.27	740	1	0.02	33	850	51	0.04	<2	3	38
CC88336		<10	<1	0.09	10	0.60	784	<1	0.02	28	1060	35	0.11	<2	2	22
CC88337		<10	<1	0.09	20	0.66	1165	<1	0.01	37	790	46	0.05	<2	3	16
CC88338		<10	<1	0.11	20	0.53	731	<1	0.01	32	690	38	0.05	<2	3	16
CC88339		<10	1	0.16	20	0.57	558	<1	0.01	30	720	58	0.07	<2	3	19
CC88340		<10	1	0.11	10	0.47	721	<1	0.01	24	1060	31	0.11	<2	2	27

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CERTIFICATE OF ANALYSIS VA10087260

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC88285		<20	0.01	<10	<10	32	<10	277
CC88286		<20	0.02	<10	<10	41	<10	306
CC88287		<20	0.01	<10	<10	40	<10	366
CC88288		<20	0.02	<10	<10	46	<10	354
CC88289		<20	0.02	<10	<10	45	<10	194
CC88290		<20	0.03	<10	<10	31	<10	208
CC88291		<20	0.05	<10	<10	33	<10	193
CC88292		<20	0.04	<10	<10	36	<10	241
CC88293		<20	0.04	<10	<10	49	<10	285
CC88294		<20	0.02	<10	<10	25	<10	219
CC88295		<20	0.01	<10	<10	29	<10	194
CC88296		<20	0.01	<10	<10	25	<10	159
CC88297		<20	0.02	<10	<10	29	<10	160
CC88298		<20	0.02	<10	<10	28	<10	139
CC88299		<20	0.02	<10	<10	23	<10	213
CC88300		<20	0.02	<10	<10	30	<10	250
CC88301		<20	0.03	<10	<10	39	<10	177
CC88302		<20	0.04	<10	<10	28	<10	172
CC88303		<20	0.01	<10	<10	14	<10	148
CC88304		<20	0.01	<10	<10	8	<10	117
CC88305		<20	0.01	<10	<10	13	<10	110
CC88306		<20	0.01	<10	<10	20	<10	190
CC88307		<20	0.01	<10	<10	35	<10	387
CC88308		<20	0.01	<10	<10	37	<10	570
CC88309		<20	0.01	<10	20	30	<10	244
CC88310		<20	0.01	<10	10	33	10	399
CC88327		<20	0.02	<10	<10	43	<10	478
CC88328		<20	0.02	<10	<10	43	<10	347
CC88329		<20	0.02	<10	<10	46	<10	285
CC88330		<20	0.02	<10	<10	56	<10	242
CC88331		<20	0.02	<10	<10	44	<10	432
CC88332		<20	0.02	<10	<10	60	<10	239
CC88333		<20	0.02	<10	<10	39	<10	425
CC88334		<20	0.01	<10	<10	24	<10	627
CC88335		<20	0.04	<10	<10	39	<10	337
CC88336		<20	0.02	<10	<10	39	<10	261
CC88337		<20	0.03	<10	<10	53	<10	270
CC88338		<20	0.02	<10	<10	41	<10	239
CC88339		<20	0.02	<10	<10	35	<10	339
CC88340		<20	0.02	<10	<10	36	<10	243

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CERTIFICATE OF ANALYSIS VA10087260

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC88341		0.16	0.004	0.5	1.71	16	<10	250	0.7	2	2.02	0.9	11	35	23	3.22
CC88357		0.28	0.007	0.5	1.07	13	<10	210	0.6	<2	7.08	1.5	9	16	22	2.62
CC88358		0.24	0.004	0.4	1.42	16	<10	320	0.7	<2	2.20	2.0	11	23	18	3.04
CC88359		0.32	0.004	0.5	1.21	16	<10	140	0.6	<2	2.97	0.8	9	25	16	2.82
CC88360		0.24	0.003	0.4	1.63	17	<10	230	0.8	<2	1.41	1.7	11	23	17	3.38
CC88361		0.38	0.004	0.5	0.59	13	<10	120	<0.5	<2	24.0	0.8	4	9	12	1.18
CC88362		0.26	0.004	0.5	0.94	12	<10	130	<0.5	<2	17.5	0.8	6	19	15	1.86
CC88363		0.34	0.003	<0.2	0.10	<2	<10	80	<0.5	<2	>25.0	0.7	1	1	2	0.22
CC88364		0.30	0.005	0.5	1.91	9	<10	270	<0.5	<2	7.7	0.5	43	110	58	5.59
CC88365		0.24	<0.001	0.8	0.84	12	<10	70	<0.5	<2	18.0	0.6	14	21	18	3.75
CC88366		0.26	0.001	1.2	0.57	9	<10	50	<0.5	<2	24.7	<0.5	10	12	12	2.90
CC88367		0.40	0.003	0.3	0.44	11	<10	30	<0.5	<2	24.3	<0.5	10	8	11	2.77
CC88368		0.24	0.001	0.2	0.58	8	<10	40	<0.5	<2	23.5	<0.5	9	12	10	2.60
CC88369		0.28	<0.001	<0.2	0.38	9	<10	20	<0.5	<2	>25.0	<0.5	5	7	8	1.94
CC88370		0.24	0.004	<0.2	0.68	5	<10	40	<0.5	<2	24.6	<0.5	9	13	10	2.78
CC88371		0.22	0.012	0.6	0.69	23	<10	90	<0.5	8	12.2	0.9	8	17	16	2.06
CC88372		0.18	0.008	0.7	0.71	29	<10	120	<0.5	4	12.8	1.5	5	13	13	1.84
CC88373		0.22	0.039	1.9	0.43	46	<10	100	<0.5	25	13.6	1.7	11	12	28	2.55
CC88374		0.20	0.006	0.9	0.31	16	<10	70	<0.5	<2	17.9	1.2	2	7	9	0.77
CC88375		0.22	0.757	4.1	0.43	329	<10	360	<0.5	1300	9.8	2.5	29	21	81	5.72
CC88376		0.24	0.192	3.2	0.59	176	<10	350	<0.5	50	8.1	3.4	29	23	113	5.01
CC88377		0.20	0.013	3.1	1.17	30	<10	340	0.6	3	1.97	1.8	38	45	84	7.66
CC88378		0.18	0.007	0.9	0.99	20	<10	370	0.5	7	2.04	1.2	21	26	46	4.00
CC88379		0.16	0.009	1.0	1.16	23	<10	390	0.6	<2	1.17	1.7	36	33	62	5.86
CC88380		0.28	0.003	<0.2	1.55	7	<10	90	<0.5	<2	13.8	<0.5	22	32	28	4.37
CC88381		0.24	0.002	<0.2	1.76	7	<10	90	0.5	<2	8.0	<0.5	17	36	22	4.67
CC88382		0.26	0.002	0.4	0.60	6	<10	50	<0.5	<2	22.5	<0.5	10	12	12	2.97
CC88383		0.18	0.005	1.0	1.76	16	<10	370	0.9	<2	2.82	0.9	20	43	23	5.23
CC88384		0.16	0.002	0.5	1.98	10	<10	170	0.7	<2	1.53	0.5	26	70	32	5.24
CC88385		0.20	0.002	0.3	1.61	6	<10	210	0.6	<2	1.68	<0.5	23	82	32	4.18
CC88386		0.18	0.001	0.2	1.43	8	<10	390	0.5	<2	5.33	0.8	16	67	35	3.86
CC88387		0.16	0.003	0.6	1.25	14	<10	270	0.6	<2	1.69	1.1	11	26	26	2.73
CC88388		0.22	0.003	0.4	1.16	12	<10	240	0.5	<2	3.22	0.8	10	24	27	2.82
CC88389		0.30	0.027	1.2	0.54	44	<10	1220	<0.5	33	18.0	1.7	7	29	18	1.93
CC88390		0.26	0.003	0.3	1.22	16	<10	200	<0.5	<2	1.83	0.7	8	24	26	2.61
CC88391		0.32	0.018	0.3	1.05	13	<10	190	<0.5	<2	2.96	0.7	8	22	28	2.41
CC88392		0.14	0.004	0.4	1.38	15	<10	240	0.6	<2	1.23	1.2	9	35	19	2.52
CC88448		0.30	0.002	0.6	0.26	18	<10	110	<0.5	<2	15.4	0.9	3	9	12	0.95
CC88449		0.30	0.006	0.9	0.72	39	<10	170	<0.5	<2	10.4	1.5	4	17	17	2.61
CC88450		0.22	0.039	1.2	0.71	67	<10	150	<0.5	5	11.9	1.3	3	12	12	1.67

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 13-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10087260

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC88341		<10	<1	0.19	20	1.19	679	<1	0.01	33	800	45	0.07	<2	3	25
CC88357		<10	<1	0.11	10	1.28	858	<1	0.01	24	880	117	0.08	<2	2	64
CC88358		<10	<1	0.10	20	1.07	876	<1	0.01	26	800	70	0.07	<2	2	24
CC88359		<10	<1	0.10	10	1.36	432	<1	0.01	25	600	45	0.05	<2	3	32
CC88360		<10	<1	0.12	20	0.74	1165	<1	0.01	26	660	152	0.07	<2	3	16
CC88361		<10	<1	0.05	10	1.60	478	<1	0.01	12	440	73	<0.01	<2	1	105
CC88362		<10	<1	0.11	10	1.54	739	<1	0.02	17	770	48	0.06	<2	1	80
CC88363		<10	<1	0.02	<10	0.64	203	<1	0.01	3	90	52	<0.01	<2	<1	164
CC88364		<10	<1	0.46	10	1.65	1355	<1	0.01	227	1430	46	0.05	<2	5	91
CC88365		<10	<1	0.20	10	1.13	531	<1	0.01	49	1030	62	0.08	<2	4	776
CC88366		<10	<1	0.20	10	1.04	480	<1	0.01	32	780	33	<0.01	<2	4	1010
CC88367		<10	<1	0.11	10	0.94	426	<1	0.01	31	670	13	<0.01	<2	3	1090
CC88368		<10	<1	0.15	10	0.88	372	<1	0.01	29	730	13	<0.01	<2	3	1070
CC88369		<10	<1	0.10	10	1.18	268	<1	0.01	20	520	3	<0.01	<2	3	1360
CC88370		<10	<1	0.17	10	1.25	373	<1	0.01	32	730	4	<0.01	<2	3	1070
CC88371		<10	<1	0.08	10	6.89	600	<1	0.02	27	1130	63	0.05	<2	2	55
CC88372		<10	1	0.07	10	7.26	792	<1	0.02	19	1030	80	0.07	<2	1	53
CC88373		<10	<1	0.07	10	7.86	887	<1	0.02	38	1210	299	0.06	3	1	55
CC88374		<10	<1	0.03	10	10.50	779	<1	0.02	9	960	183	0.07	<2	1	57
CC88375		<10	<1	0.13	10	5.26	1150	<1	0.02	126	3200	591	0.08	28	4	61
CC88376		<10	<1	0.13	20	3.99	1000	<1	0.02	114	4370	655	0.10	10	4	45
CC88377		<10	<1	0.17	30	0.52	1190	<1	0.01	121	1940	152	0.09	<2	6	22
CC88378		<10	<1	0.14	20	0.44	798	<1	0.01	67	1590	158	0.12	<2	3	25
CC88379		<10	<1	0.12	30	0.36	1520	<1	0.01	107	1300	168	0.09	<2	5	23
CC88380		<10	<1	0.22	10	1.45	537	<1	0.01	61	1280	21	0.03	<2	4	450
CC88381		<10	<1	0.19	10	1.58	552	<1	0.01	49	1270	23	0.05	<2	4	239
CC88382		<10	<1	0.15	10	1.04	384	<1	0.01	31	860	33	<0.01	<2	3	767
CC88383		<10	<1	0.24	30	1.35	1295	<1	0.01	58	1470	227	0.09	<2	3	84
CC88384		<10	<1	0.36	20	1.20	702	<1	0.01	101	1440	27	0.09	<2	4	64
CC88385		<10	<1	0.22	30	1.06	977	<1	0.01	100	1520	37	0.07	<2	4	42
CC88386		<10	<1	0.32	20	0.92	706	1	0.03	80	1590	77	0.07	2	3	38
CC88387		<10	<1	0.18	20	0.39	583	1	0.03	38	1150	66	0.10	<2	2	27
CC88388		<10	<1	0.17	20	1.50	694	<1	0.03	33	1150	64	0.05	<2	3	41
CC88389		<10	<1	0.09	10	8.05	660	2	0.07	32	870	183	<0.01	3	2	160
CC88390		<10	<1	0.10	10	1.07	451	1	0.03	30	780	35	0.05	<2	3	29
CC88391		<10	<1	0.08	10	1.46	375	1	0.03	28	990	30	0.02	<2	3	41
CC88392		<10	1	0.10	10	0.53	798	1	0.04	27	1040	39	0.08	<2	3	25
CC88448		<10	<1	0.02	<10	9.24	1675	2	0.03	11	770	95	0.07	3	<1	41
CC88449		<10	1	0.04	10	6.22	6290	2	0.03	18	560	109	0.06	2	1	41
CC88450		<10	<1	0.04	10	6.88	1205	1	0.04	12	1450	124	0.10	2	1	55

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CERTIFICATE OF ANALYSIS VA10087260

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC88341		<20	0.02	<10	<10	41	<10	317
CC88357		<20	0.01	<10	<10	27	<10	556
CC88358		<20	0.02	<10	<10	39	<10	414
CC88359		<20	0.02	<10	<10	37	<10	280
CC88360		<20	0.02	<10	<10	42	<10	386
CC88361		<20	0.01	<10	<10	16	<10	328
CC88362		<20	0.01	<10	<10	23	<10	237
CC88363		<20	<0.01	<10	<10	4	<10	156
CC88364		<20	0.10	<10	<10	47	<10	354
CC88365		<20	0.02	<10	<10	17	<10	306
CC88366		<20	0.01	<10	<10	12	<10	178
CC88367		<20	0.01	<10	<10	8	<10	123
CC88368		<20	0.01	<10	<10	10	<10	106
CC88369		<20	0.01	<10	<10	8	<10	54
CC88370		<20	0.01	<10	<10	11	<10	74
CC88371		<20	0.02	<10	<10	26	<10	201
CC88372		<20	0.01	<10	<10	28	<10	379
CC88373		<20	0.01	<10	<10	21	<10	609
CC88374		<20	0.01	<10	<10	16	<10	319
CC88375		<20	0.01	<10	<10	30	20	990
CC88376		<20	0.01	<10	10	36	<10	1070
CC88377		<20	0.01	<10	<10	38	<10	655
CC88378		<20	0.01	<10	<10	29	<10	398
CC88379		<20	0.01	<10	<10	39	<10	497
CC88380		<20	0.02	<10	<10	25	<10	171
CC88381		<20	0.03	<10	<10	30	<10	184
CC88382		<20	0.01	<10	<10	11	<10	141
CC88383		<20	0.02	<10	<10	36	<10	285
CC88384		<20	0.03	<10	<10	38	<10	222
CC88385		<20	0.04	<10	<10	37	<10	123
CC88386		<20	0.03	<10	<10	31	<10	307
CC88387		<20	0.02	<10	<10	27	<10	366
CC88388		<20	0.03	<10	<10	31	<10	229
CC88389		<20	0.01	<10	10	25	10	492
CC88390		<20	0.04	<10	<10	39	<10	216
CC88391		<20	0.06	<10	<10	38	<10	145
CC88392		<20	0.03	<10	<10	43	<10	246
CC88448		<20	0.01	<10	10	41	<10	305
CC88449		<20	0.02	<10	<10	56	<10	278
CC88450		<20	0.01	<10	<10	27	<10	225

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CERTIFICATE OF ANALYSIS VA10087260

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC88451		0.30	0.060	1.6	0.42	51	<10	90	<0.5	5	14.9	2.0	2	9	23	1.49
CC88452		0.32	0.041	0.7	0.50	23	<10	100	<0.5	3	13.7	1.1	4	10	13	2.08
CC88453		0.30	0.006	1.5	0.18	18	<10	550	<0.5	<2	18.4	1.5	1	5	7	0.74
CC88454		0.26	0.010	2.0	0.27	33	<10	720	<0.5	4	15.3	1.1	6	7	18	1.62
CC88455		0.18	0.008	1.0	0.59	83	<10	330	<0.5	<2	1.05	2.2	76	26	169	8.03
CC88456		0.26	0.004	1.5	0.72	60	<10	260	<0.5	<2	1.10	3.6	49	31	127	7.60
CC88457		0.18	0.006	1.3	0.72	53	<10	340	<0.5	<2	1.40	2.2	47	27	121	6.98
CC88458		0.32	0.001	0.6	0.43	25	<10	90	<0.5	<2	9.9	1.2	14	11	36	3.45
CC88459		0.32	0.003	0.3	0.58	22	<10	40	<0.5	<2	20.5	<0.5	10	15	16	2.32
CC88460		0.34	0.002	0.4	0.41	26	<10	80	<0.5	<2	18.0	1.4	9	11	16	2.73
CC88461		0.26	0.002	1.2	0.41	25	<10	150	<0.5	<2	13.0	1.9	10	13	17	3.07
CC88462		0.26	0.002	0.3	0.44	13	<10	30	<0.5	<2	>25.0	<0.5	5	8	8	1.82
CC88463		0.30	0.001	0.2	0.70	9	<10	100	<0.5	<2	22.4	<0.5	15	13	14	3.33
CC88464		0.34	0.001	1.3	0.53	13	<10	790	<0.5	<2	11.8	0.7	11	10	22	3.21
CC88465		0.24	0.002	0.4	2.71	9	<10	390	0.5	<2	1.82	0.5	43	192	57	6.34
CC88466		0.38	0.001	<0.2	0.35	8	<10	70	<0.5	<2	>25.0	<0.5	2	8	7	0.65
CC88467		0.28	0.001	0.2	0.21	7	<10	40	<0.5	<2	>25.0	<0.5	2	12	12	0.39
CC88468		0.30	0.003	0.4	0.71	9	<10	120	<0.5	<2	24.1	<0.5	3	10	9	0.91
CC88469		0.28	0.001	0.4	0.32	17	<10	110	<0.5	<2	>25.0	0.5	2	9	16	0.60
CC88470		0.24	0.002	0.4	0.63	19	<10	160	<0.5	<2	22.0	1.0	3	9	16	1.20
CC88471		0.26	0.001	0.2	0.27	19	<10	70	<0.5	<2	>25.0	0.9	1	4	7	0.48

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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC88451		<10	1	0.06	10	8.91	755	1	0.03	16	1180	196	0.05	12	1	61
CC88452		<10	<1	0.04	10	8.12	551	1	0.04	19	720	113	0.07	2	1	64
CC88453		<10	1	0.02	<10	10.90	667	<1	0.05	8	2170	392	<0.01	3	<1	76
CC88454		<10	1	0.05	10	9.14	708	1	0.06	27	1610	491	0.08	4	1	83
CC88455		<10	<1	0.15	30	0.20	1555	2	0.03	273	2760	226	0.07	13	8	30
CC88456		<10	1	0.18	30	0.34	1880	1	0.02	149	2180	382	0.06	7	8	22
CC88457		<10	1	0.22	20	0.27	1440	1	0.03	159	2160	268	0.10	6	6	26
CC88458		<10	1	0.15	10	0.47	490	1	0.02	49	1380	101	0.05	2	3	103
CC88459		<10	<1	0.19	10	0.77	223	1	0.02	38	1100	19	<0.01	<2	3	296
CC88460		<10	<1	0.12	20	4.43	652	1	0.03	36	1040	87	0.06	<2	2	170
CC88461		<10	1	0.14	10	7.25	889	1	0.03	35	1040	172	0.09	4	2	81
CC88462		<10	1	0.10	10	0.69	324	<1	0.02	20	530	20	<0.01	<2	3	1280
CC88463		<10	<1	0.17	10	2.53	392	<1	0.02	42	800	19	<0.01	<2	4	854
CC88464		<10	1	0.33	20	0.72	477	<1	0.05	26	1500	234	0.27	5	2	180
CC88465		10	1	0.50	20	2.19	1435	1	0.04	257	1400	49	0.07	<2	8	34
CC88466		<10	1	0.04	<10	0.79	235	<1	0.03	11	360	23	<0.01	<2	1	171
CC88467		<10	<1	0.03	<10	0.35	189	1	0.02	7	230	18	<0.01	<2	1	188
CC88468		<10	<1	0.05	<10	0.89	583	1	0.03	9	680	36	<0.01	<2	1	155
CC88469		<10	1	0.04	<10	0.60	253	<1	0.03	14	170	231	<0.01	3	1	141
CC88470		<10	1	0.06	<10	1.63	649	<1	0.03	13	540	58	<0.01	<2	1	102
CC88471		<10	<1	0.03	<10	1.36	297	<1	0.02	5	260	35	<0.01	<2	1	148

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	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC88451		<20	0.01	<10	10	17	<10	627
CC88452		<20	0.01	<10	<10	17	<10	288
CC88453		<20	<0.01	<10	20	16	<10	259
CC88454		<20	0.01	<10	10	19	<10	289
CC88455		<20	0.01	<10	<10	30	<10	929
CC88456		<20	0.01	<10	<10	29	<10	1185
CC88457		<20	0.01	<10	<10	30	<10	814
CC88458		<20	0.01	<10	<10	12	<10	410
CC88459		<20	0.01	<10	10	11	<10	114
CC88460		<20	0.01	<10	<10	12	<10	430
CC88461		<20	0.01	<10	<10	15	<10	647
CC88462		<20	<0.01	<10	10	6	<10	119
CC88463		<20	<0.01	<10	<10	10	<10	84
CC88464		<20	0.02	<10	<10	8	<10	331
CC88465		<20	0.15	<10	<10	82	<10	256
CC88466		<20	0.01	<10	10	10	<10	146
CC88467		<20	0.01	<10	20	7	<10	112
CC88468		<20	0.01	<10	10	17	<10	208
CC88469		<20	0.01	<10	10	8	<10	801
CC88470		<20	0.01	<10	10	17	<10	364
CC88471		<20	0.01	<10	20	7	<10	316

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 15-JUL-2010
Account: RCM

CERTIFICATE VA10087261

Project: RAU

P.O. No.: BATCH 23

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 29-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LOG-23	Pulp Login - Rcvd with Barcode
CRU-31	Fine crushing - 70% <2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

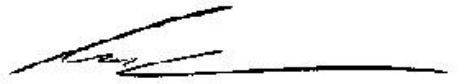
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:



Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS VA10087261

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA26 Au ppm 0.01	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
I075293		4.92	0.03	0.73	0.32	17.5	30	<0.05	8220	4.42	0.02	4.12	8.9	8	4.21	130.0
I075294		2.92	0.03	1.04	0.13	388	10	<0.05	1620	0.08	0.21	7.44	50.0	1	1.56	208
I075295		2.10	<0.01	0.09	0.15	225	10	0.11	52.8	14.90	0.04	8.80	3.9	8	1.70	4.2
I075296		4.02	0.01	0.24	0.12	135	10	0.32	2500	13.60	0.05	6.14	6.1	2	1.61	32.1
I075297		4.66	<0.01	0.01	0.08	<5	20	0.11	2.85	19.60	0.07	6.85	0.9	3	0.77	1.2
I075298		5.24	<0.01	0.02	0.17	9	60	0.21	2.43	20.5	0.05	4.09	5.9	4	1.77	5.0
I075299		0.98	0.15	0.15	0.83	544	390	0.21	23.5	23.7	0.34	13.05	5.2	20	0.32	5.9
I075300		5.14	0.50	3.12	0.18	9680	360	0.07	77.9	16.15	6.82	51.9	1.3	<1	0.47	4.2
I075301		4.14	0.17	4.99	0.10	3560	100	0.10	46.3	17.95	10.45	34.7	0.9	1	0.30	5.6
I075302		3.34	0.62	5.53	0.21	>10000	290	0.13	52.2	17.30	25.0	48.1	1.2	<1	0.23	12.9
I075303		4.50	0.54	3.85	0.37	4630	70	0.27	21.3	19.45	21.4	15.50	1.1	2	1.09	9.0
I075304		4.62	0.19	5.89	0.09	>10000	770	0.10	28.0	18.85	14.10	28.6	0.8	<1	0.58	14.5
I075305		5.08	0.13	1.63	0.24	3730	30	0.12	22.7	18.85	7.88	50.2	0.9	1	0.44	6.9
I075306		6.24	0.20	20.8	0.04	10000	20	0.46	343	19.70	10.90	13.70	0.9	<1	0.27	16.4
I075307		5.58	0.02	0.67	0.05	1040	30	0.11	6.56	21.2	6.33	6.49	0.8	2	0.15	4.9
I075308		5.06	0.04	0.74	0.04	2800	60	0.12	9.18	22.3	8.55	5.45	1.3	1	0.13	3.9
I075309		5.94	0.01	0.27	0.06	236	130	0.14	1.58	20.1	2.05	6.68	0.8	2	0.28	3.1
I075310		6.44	0.03	1.42	0.08	432	20	0.09	39.2	18.35	6.30	9.59	1.6	1	0.34	3.3
I075311		5.52	0.13	4.30	0.10	1920	30	0.07	44.9	17.25	15.25	7.87	1.3	3	0.30	6.2
I075312		5.56	0.03	1.05	0.08	2080	50	0.07	13.35	20.5	3.53	8.35	1.5	2	0.25	3.0
I075313		4.56	0.11	9.76	0.07	4330	90	0.08	274	19.45	8.39	7.34	1.8	1	0.19	6.4
I075314		0.26	0.41	6.93	5.16	6.9	80	1.11	1.53	1.36	0.02	19.65	9.2	29	21.3	12.8
I075315		4.86	0.10	5.72	0.11	2380	50	0.06	39.3	18.60	13.80	8.58	1.7	<1	0.30	9.0
I075316		3.74	0.09	2.53	0.07	4550	360	0.07	17.20	21.3	15.90	7.86	3.3	<1	0.46	6.2
I075317		7.42	<0.01	0.04	0.06	23	20	<0.05	0.32	20.3	0.13	1.25	1.4	2	0.23	2.0
I075318		3.66	0.25	3.10	0.09	>10000	490	<0.05	23.1	23.7	8.28	15.25	2.4	<1	0.21	9.9
I075319		4.28	1.95	2.13	0.52	5990	190	0.25	76.8	21.2	5.88	11.05	3.5	2	0.64	7.3
I075320		5.18	0.11	0.77	0.14	3510	140	<0.05	6.00	22.9	4.19	12.30	1.6	1	0.15	7.8
I075321		2.42	0.11	0.79	0.13	4000	140	<0.05	7.59	23.2	4.24	12.30	1.8	<1	0.15	7.7
I075322		3.82	0.39	2.99	0.20	5780	230	0.11	18.05	24.1	8.03	10.20	2.0	1	0.11	11.7
I075323		3.92	0.07	0.75	1.11	3710	300	0.33	12.40	20.1	5.93	12.10	2.8	6	0.80	3.8
I075324		4.48	0.81	2.73	0.17	7360	210	0.06	88.6	24.1	6.60	11.80	4.7	<1	0.07	13.8
I075325		3.62	0.06	0.65	0.20	4280	300	0.06	319	24.0	2.97	10.90	5.6	<1	0.18	1.6
I075326		0.26	1.42	0.72	4.98	85.9	100	1.27	1.83	1.02	0.14	15.25	26.1	161	28.1	448
I075327		2.52	0.06	0.70	0.59	5760	560	0.14	100.5	20.8	4.56	15.10	14.7	1	0.32	6.3
I075328		7.30	<0.01	0.01	0.06	26	30	0.05	1.22	20.1	0.07	1.46	1.4	1	0.19	2.5

***** See Appendix Page for comments regarding this certificate *****

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 15-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10087261

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I075293		24.4	3.52	0.82	<0.1	0.030	0.33	2.3	2.1	7.99	170	0.37	0.01	0.4	70.5	20
I075294		>50	1.03	0.51	0.1	0.038	0.11	5.1	1.1	1.58	55	0.28	<0.01	0.5	78.6	<10
I075295		5.28	1.29	0.06	<0.1	<0.005	0.10	5.1	3.1	11.15	423	0.19	0.01	0.3	4.1	10
I075296		8.91	1.27	0.18	<0.1	0.009	0.09	3.6	2.5	10.95	334	0.49	0.01	0.3	11.0	20
I075297		0.24	0.68	0.10	<0.1	<0.005	0.05	3.7	3.2	12.20	524	0.22	0.01	0.2	2.8	20
I075298		0.19	0.66	<0.05	0.1	<0.005	0.12	2.5	3.6	12.45	428	0.16	0.01	0.3	4.3	20
I075299		1.88	1.99	<0.05	0.3	0.020	0.13	7.5	4.3	6.51	636	0.78	0.24	3.2	12.6	150
I075300		12.00	1.57	0.16	0.1	0.133	0.05	32.2	2.1	7.06	4460	1.11	0.01	0.6	0.2	200
I075301		7.67	1.16	0.08	0.1	0.257	0.04	19.9	2.2	8.58	4650	0.24	0.01	0.4	<0.2	130
I075302		10.80	1.93	0.15	0.2	0.460	0.04	27.6	1.6	6.89	6190	0.57	0.01	0.7	<0.2	310
I075303		6.78	2.57	<0.05	0.2	0.264	0.15	8.0	3.1	8.62	4780	0.33	0.01	1.2	<0.2	260
I075304		6.88	1.23	0.05	0.1	0.655	0.04	16.1	2.3	9.40	5900	0.17	0.01	0.3	<0.2	130
I075305		6.44	2.01	0.06	0.2	0.249	0.05	30.3	2.5	9.24	4940	0.14	0.02	1.2	<0.2	130
I075306		4.83	0.99	0.39	<0.1	0.436	0.01	6.7	2.7	10.35	4220	0.28	0.01	0.3	0.3	70
I075307		1.96	0.46	<0.05	<0.1	0.197	0.01	3.4	2.3	11.55	2370	0.08	0.01	0.1	<0.2	50
I075308		3.81	0.49	<0.05	<0.1	0.171	0.01	3.1	1.8	10.05	2670	0.14	0.01	0.2	<0.2	70
I075309		2.57	0.74	<0.05	<0.1	0.114	0.02	3.0	2.5	11.10	3140	0.05	0.01	0.2	<0.2	80
I075310		6.08	0.96	0.07	0.1	0.195	0.03	3.6	2.1	9.75	4220	0.10	0.01	0.2	<0.2	120
I075311		9.24	1.05	0.10	0.1	0.462	0.04	3.1	2.0	8.95	4100	0.09	0.01	0.3	<0.2	180
I075312		5.63	0.88	<0.05	0.1	0.133	0.03	3.5	2.1	9.42	4210	0.11	0.01	0.2	<0.2	110
I075313		7.74	0.86	0.06	0.1	0.251	0.02	3.2	1.9	8.69	3910	0.19	0.01	0.3	0.6	100
I075314		2.04	15.70	<0.05	1.6	0.019	3.30	10.8	10.2	0.61	293	9.61	1.23	2.4	8.7	440
I075315		7.35	1.19	0.06	0.1	0.531	0.03	3.1	1.7	8.14	5580	0.20	0.01	0.3	<0.2	130
I075316		6.90	1.48	0.05	<0.1	0.387	0.02	3.0	1.2	6.03	11650	0.62	0.01	0.2	2.3	60
I075317		0.48	0.33	<0.05	<0.1	<0.005	0.02	0.6	1.1	12.25	251	0.06	0.01	0.2	<0.2	180
I075318		10.15	2.43	0.24	0.1	0.302	0.03	4.9	1.0	2.92	9600	0.77	0.01	0.1	3.2	210
I075319		8.14	3.52	0.06	0.4	0.270	0.07	4.5	1.8	6.28	4450	0.45	0.04	1.8	3.1	570
I075320		4.80	1.92	0.14	0.1	0.215	0.01	4.0	1.6	7.58	5160	0.38	0.02	0.1	<0.2	390
I075321		5.03	2.12	0.13	0.1	0.235	0.01	4.0	1.6	7.26	5350	0.40	0.02	0.2	<0.2	200
I075322		5.79	1.58	<0.05	0.2	0.162	0.01	4.0	1.4	6.16	4070	0.61	0.02	0.6	<0.2	260
I075323		5.34	4.23	<0.05	0.5	0.073	0.09	5.4	3.3	6.13	3850	0.70	0.26	2.0	2.6	290
I075324		11.35	1.47	0.11	0.1	0.107	0.01	4.2	0.7	3.10	5300	0.79	0.02	0.4	5.5	180
I075325		8.09	1.76	0.06	0.1	0.056	0.01	3.8	0.8	4.32	8180	0.60	0.02	0.6	5.5	220
I075326		1.99	14.40	<0.05	1.6	0.046	3.44	8.6	8.3	0.37	303	5.03	1.16	2.6	465	450
I075327		13.45	4.58	0.14	0.3	0.060	0.04	5.4	0.9	1.92	15950	1.74	0.05	1.5	17.0	560
I075328		0.46	0.31	<0.05	<0.1	0.005	0.03	0.7	1.0	12.15	245	0.14	0.01	0.2	<0.2	180

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CERTIFICATE OF ANALYSIS VA10087261

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I075293		29.5	89.3	<0.002	>10.0	51.6	0.5	16	3.2	16.4	<0.05	7.35	0.3	0.016	0.31	0.2
I075294		19.2	30.4	0.006	>10.0	10.20	1.9	16	2.4	4.8	0.06	1.89	0.3	<0.005	0.39	0.3
I075295		1.8	30.0	<0.002	5.93	0.74	0.5	4	0.2	39.2	<0.05	0.12	<0.2	0.005	0.16	0.3
I075296		10.4	27.4	<0.002	8.27	17.30	0.6	8	1.0	35.9	<0.05	1.94	0.2	<0.005	0.14	4.3
I075297		2.4	11.9	<0.002	0.05	0.17	0.5	1	0.5	55.0	<0.05	<0.05	<0.2	<0.005	0.04	0.8
I075298		3.6	18.4	<0.002	0.06	0.19	0.6	1	0.3	45.9	<0.05	<0.05	0.2	0.009	0.11	1.2
I075299		14.9	5.8	<0.002	0.09	0.96	2.7	2	0.5	121.5	0.17	<0.05	0.7	0.075	0.08	0.4
I075300		343	5.0	0.002	3.15	3.43	0.9	3	1.0	100.5	<0.05	0.21	0.2	0.012	0.16	0.6
I075301		407	4.3	<0.002	2.29	2.54	0.7	2	1.5	119.5	<0.05	0.09	0.2	0.006	0.10	0.3
I075302		478	3.8	0.002	0.95	5.11	1.1	3	3.0	80.0	<0.05	0.13	0.2	0.012	0.19	0.6
I075303		364	16.1	<0.002	1.76	2.59	1.1	3	4.5	104.0	0.07	0.06	0.2	0.025	0.19	0.3
I075304		386	4.7	0.004	0.89	4.90	0.9	2	3.3	117.0	<0.05	0.09	0.2	0.005	0.19	0.4
I075305		148.0	6.5	<0.002	2.02	2.02	0.9	2	2.4	118.5	0.07	0.07	0.4	0.016	0.11	0.5
I075306		418	1.4	0.013	1.19	16.00	1.5	4	3.2	86.8	<0.05	0.23	0.2	<0.005	0.27	0.3
I075307		71.1	0.8	<0.002	0.11	1.52	0.6	2	1.0	69.8	<0.05	<0.05	<0.2	<0.005	0.05	0.1
I075308		68.3	0.9	<0.002	0.11	1.93	0.6	3	1.0	58.5	<0.05	<0.05	<0.2	<0.005	0.08	0.1
I075309		45.1	2.2	<0.002	0.21	0.58	1.1	2	0.9	97.6	<0.05	<0.05	<0.2	<0.005	0.03	0.1
I075310		113.5	2.5	0.008	2.37	1.49	1.0	4	0.9	118.5	<0.05	0.06	<0.2	<0.005	0.12	0.2
I075311		316	2.9	<0.002	4.13	1.96	0.7	5	1.8	100.5	<0.05	0.09	<0.2	0.005	0.05	0.5
I075312		117.5	2.2	<0.002	0.42	1.21	1.0	2	0.6	96.9	<0.05	0.06	<0.2	<0.005	0.08	0.2
I075313		529	1.9	0.003	0.30	8.41	0.8	2	1.1	73.9	<0.05	0.37	<0.2	<0.005	0.08	0.3
I075314		13.7	730	<0.002	0.01	0.69	7.9	1	1.1	61.5	0.22	<0.05	1.2	0.235	6.24	0.6
I075315		414	3.2	0.002	0.37	2.97	0.8	2	3.0	91.3	<0.05	0.09	<0.2	0.005	0.12	0.3
I075316		296	2.1	<0.002	0.10	2.43	0.9	2	1.2	80.6	<0.05	0.07	<0.2	<0.005	0.95	0.3
I075317		3.7	1.2	<0.002	0.02	<0.05	0.4	1	<0.2	41.8	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
I075318		272	2.8	0.048	0.04	4.41	2.9	3	2.2	89.1	<0.05	<0.05	<0.2	<0.005	0.66	0.8
I075319		167.0	9.1	<0.002	0.04	3.78	1.9	2	2.6	67.9	0.10	0.15	0.3	0.038	0.18	1.2
I075320		91.6	0.7	0.013	0.03	2.12	2.9	3	1.9	111.5	<0.05	<0.05	<0.2	<0.005	0.21	0.5
I075321		84.2	0.6	0.024	0.04	2.15	3.2	3	1.5	116.0	<0.05	<0.05	<0.2	<0.005	0.31	0.8
I075322		752	1.2	<0.002	0.02	6.15	1.3	2	4.4	55.6	<0.05	0.06	<0.2	0.010	0.11	1.0
I075323		38.6	5.9	0.002	0.02	2.45	2.6	2	0.8	67.6	0.12	0.06	0.4	0.065	0.31	1.1
I075324		135.5	0.4	<0.002	0.05	4.56	1.3	3	1.9	50.7	<0.05	0.14	<0.2	0.007	0.20	1.5
I075325		30.4	0.8	<0.002	0.02	3.98	1.4	2	0.6	60.6	<0.05	0.25	<0.2	0.013	0.27	1.0
I075326		165.5	890	<0.002	0.29	2.41	3.6	1	3.1	53.9	2.06	0.16	2.1	0.078	7.91	0.7
I075327		41.9	2.4	<0.002	0.03	4.09	2.5	2	1.1	55.4	0.09	0.11	0.2	0.032	0.94	1.5
I075328		1.8	1.3	<0.002	0.01	<0.05	0.4	1	<0.2	42.0	<0.05	<0.05	<0.2	<0.005	<0.02	0.5

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 15-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10087261

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	As-OG62
	Analyte	V	W	Y	Zn	Zr	As
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
I075293		13	0.1	1.6	15	1.2	
I075294		6	1.8	0.5	6	1.2	
I075295		13	0.6	4.6	13	0.6	
I075296		13	3.6	3.2	10	0.6	
I075297		13	0.5	3.4	15	0.8	
I075298		5	0.4	1.5	12	2.5	
I075299		17	155.5	4.7	76	10.0	
I075300		9	155.0	9.3	1110	4.5	
I075301		5	95.0	8.1	1640	2.4	
I075302		8	241	11.9	3400	5.7	1.205
I075303		9	105.5	7.5	3730	8.5	
I075304		6	337	8.9	2240	2.3	1.280
I075305		8	140.0	8.3	1200	6.3	
I075306		5	1280	7.9	1640	1.0	0.914
I075307		4	186.5	5.7	1190	1.0	
I075308		4	20.8	5.2	1880	1.2	
I075309		7	12.2	7.7	347	0.9	
I075310		6	660	10.4	868	2.5	
I075311		5	66.1	7.4	2040	3.5	
I075312		9	215	9.1	1080	2.2	
I075313		6	272	7.9	1720	2.4	
I075314		51	0.9	11.3	28	52.1	
I075315		5	186.0	8.8	1840	3.7	
I075316		5	70.8	8.8	2420	1.6	
I075317		3	1.4	0.8	27	<0.5	
I075318		6	5240	20.8	2780	3.1	1.180
I075319		13	67.0	12.1	1590	17.5	
I075320		10	1770	18.4	526	2.6	
I075321		10	2120	19.4	510	4.5	
I075322		11	172.5	11.2	1920	9.0	
I075323		19	178.5	10.8	1130	19.1	
I075324		9	96.5	19.0	1340	4.4	
I075325		9	5.4	17.5	741	4.5	
I075326		20	9.3	3.7	137	57.4	
I075327		18	135.0	19.2	1360	12.3	
I075328		3	1.1	0.8	21	<0.5	

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Project: RAU

Finalized Date: 15-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10087261

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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Finalized Date: 14-JUL-2010
Account: RCM

CERTIFICATE VA10087262

Project: RAU

P.O. No.: BATCH 22

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 29-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LOG-23	Pulp Login - Rcvd with Barcode
CRU-31	Fine crushing - 70% <2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

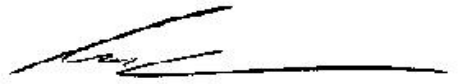
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:



Colin Ramshaw, Vancouver Laboratory Manager

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Project: RAU

Finalized Date: 14-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10087262

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA26 Au ppm 0.01	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
I075257		0.26	1.37	0.61	4.93	77.2	100	1.04	1.31	1.00	0.12	14.00	22.4	153	26.4	437
I075258		4.26	0.09	0.33	0.30	930	100	0.13	39.2	20.4	1.07	10.75	5.2	1	0.47	2.9
I075259		4.08	0.14	1.06	0.16	1520	140	0.09	61.4	16.65	2.19	16.40	8.2	<1	0.33	9.3
I075260		3.32	0.03	0.13	0.05	393	30	0.07	8.44	20.5	0.95	7.47	2.2	<1	0.19	3.3
I075261		3.54	0.03	0.12	0.03	245	30	0.08	2.93	20.5	1.50	4.80	1.4	<1	0.20	1.9
I075262		2.02	0.02	0.10	0.05	408	40	0.18	0.54	22.4	0.66	4.94	1.5	<1	0.25	2.2
I075263		4.18	0.08	2.05	0.10	1680	100	0.18	17.15	20.8	3.86	7.95	2.9	2	0.34	31.2
I075264		4.32	0.12	3.64	0.06	2540	60	0.12	121.0	17.30	4.88	9.47	2.9	1	0.21	71.3
I075265		4.06	0.47	4.02	0.41	3860	210	0.18	228	15.10	6.38	15.45	10.3	7	0.39	13.7
I075266		7.60	<0.01	0.02	0.08	20	20	0.07	0.89	20.5	0.10	1.24	1.1	2	0.16	2.6
I075267		2.84	0.06	1.45	0.11	902	130	0.07	125.5	26.0	10.30	5.58	3.4	1	0.23	5.6
I075268		6.02	0.04	0.64	0.28	497	170	0.19	11.20	22.2	3.90	6.58	2.9	2	0.47	3.7
I075269		5.80	0.02	0.16	0.35	241	140	0.22	1.74	23.3	0.63	7.19	2.1	3	0.50	2.2
I075270		3.14	0.04	0.52	0.27	366	140	0.21	2.50	21.6	1.54	5.87	2.8	2	0.30	2.5
I075271		3.82	0.22	2.47	0.70	2230	240	0.30	25.6	22.0	4.99	10.40	3.9	6	0.49	4.5
I075272		8.54	0.01	0.05	0.27	30	60	0.14	0.24	34.9	0.12	4.63	1.4	4	0.13	1.8
I075273		10.46	<0.01	0.04	0.60	48	120	0.17	27.7	30.6	0.16	10.95	1.4	6	0.63	1.9
I075274		5.22	0.01	0.04	0.71	46	130	0.27	30.4	31.5	0.13	11.40	1.6	7	0.78	1.8
I075275		10.84	0.02	0.10	1.13	161	220	0.39	37.4	32.2	0.20	14.25	3.7	13	0.95	8.1
I075276		3.82	<0.01	0.02	0.12	17	20	0.05	3.06	34.8	0.05	2.42	0.8	2	0.13	1.6
I075277		2.48	<0.01	0.03	0.33	19	90	0.12	1.09	34.2	0.04	4.37	1.1	4	0.46	2.0
I075278		2.60	0.01	0.05	0.46	13	120	0.15	0.73	33.1	0.04	5.93	1.2	4	0.61	2.5
I075279		6.40	6.27	0.20	0.17	>10000	60	0.09	382	13.45	0.05	11.65	0.8	1	0.73	7.7
I075280		3.12	4.37	0.15	0.24	>10000	50	<0.05	164.5	10.40	0.03	11.20	0.8	3	2.04	8.8
I075281		4.24	0.01	0.01	0.06	70	10	0.06	1.00	20.2	0.05	1.35	1.2	1	0.17	1.8
I075282		3.52	1.35	0.26	0.14	>10000	10	0.10	116.5	13.05	0.06	10.70	1.0	<1	1.00	8.2
I075283		2.58	0.05	0.03	0.94	107	190	0.24	1.32	31.9	0.09	6.82	4.6	12	1.03	7.0
I075284		4.46	<0.01	0.71	7.75	45.1	1140	0.91	0.82	7.97	0.51	26.4	28.8	227	19.80	54.9
I075285		0.28	3.73	0.21	0.09	>10000	20	0.08	220	9.46	0.06	5.85	1.4	9	0.53	25.7
I075286		5.12	<0.01	0.08	7.34	4.2	970	0.58	0.18	5.77	0.02	30.5	46.6	232	16.20	4.9
I075287		5.22	<0.01	0.07	6.70	5.8	1180	0.76	0.16	9.62	0.30	37.3	35.4	204	16.55	32.5
I075288		4.84	<0.01	0.10	7.60	2.7	1420	0.71	0.06	4.91	0.03	32.3	55.0	262	18.35	109.0
I075289		3.56	<0.01	0.08	7.28	8.2	2970	0.64	0.12	7.05	0.03	31.1	63.3	231	12.75	65.9
I075290		3.78	0.01	0.13	7.43	87.0	4390	0.83	0.60	6.95	0.02	28.2	54.9	210	14.35	78.1
I075291		5.02	<0.01	0.02	0.14	17	100	0.08	0.24	20.3	0.02	2.78	1.9	6	0.31	2.3
I075292		5.06	<0.01	0.07	0.10	<5	40	0.09	13.40	19.95	0.04	3.67	1.7	3	0.57	7.4

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VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 14-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10087262

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I075257		1.94	13.85	0.19	1.5	0.045	3.35	8.1	6.4	0.37	287	5.15	1.14	2.5	459	440
I075258		7.35	2.31	0.06	0.2	0.092	0.07	4.0	1.9	7.02	5600	1.03	0.02	1.0	5.2	220
I075259		10.90	1.50	0.11	0.1	0.122	0.02	7.6	1.4	5.99	5780	1.94	0.02	0.5	13.9	170
I075260		4.64	0.67	<0.05	<0.1	0.058	0.01	3.1	2.2	9.33	3760	0.54	0.01	0.2	2.4	80
I075261		1.42	0.37	<0.05	<0.1	0.033	0.01	2.6	2.8	11.70	1720	0.22	0.01	0.2	<0.2	60
I075262		1.07	0.41	0.06	<0.1	0.027	0.01	2.4	2.6	13.00	1900	0.16	0.01	0.2	<0.2	40
I075263		4.29	0.93	0.06	0.1	0.144	0.02	3.2	2.8	11.30	3690	1.50	0.02	0.3	0.5	90
I075264		8.41	0.55	0.16	<0.1	0.278	0.01	4.0	2.4	9.06	3580	2.08	0.01	0.2	5.4	100
I075265		15.85	3.42	0.38	0.2	0.176	0.06	6.5	1.9	5.96	7250	4.69	0.03	0.8	16.8	210
I075266		0.50	0.26	<0.05	<0.1	0.006	0.03	0.6	1.2	12.30	246	0.10	0.01	0.3	<0.2	190
I075267		4.10	1.10	0.09	<0.1	0.055	0.01	3.0	1.4	6.04	6240	1.16	0.01	0.3	3.3	60
I075268		3.44	1.93	<0.05	0.1	0.045	0.09	3.5	2.2	10.40	4360	0.80	0.02	1.0	0.7	90
I075269		2.19	2.18	<0.05	0.2	0.034	0.12	3.9	2.8	11.30	2850	0.44	0.02	1.4	<0.2	120
I075270		2.05	2.07	<0.05	0.2	0.025	0.05	3.6	2.2	10.85	2870	0.64	0.02	1.3	<0.2	120
I075271		6.31	5.25	0.06	0.5	0.078	0.22	5.3	2.4	8.40	4950	1.81	0.03	2.5	3.9	360
I075272		0.44	0.83	<0.05	0.1	0.006	0.11	4.8	1.2	0.35	221	0.09	<0.01	1.6	<0.2	130
I075273		1.69	1.95	0.06	0.4	0.098	0.24	8.0	3.0	1.00	1400	0.08	0.01	3.8	<0.2	180
I075274		1.79	2.16	0.06	0.4	0.103	0.29	8.4	3.3	1.05	1420	0.06	0.01	4.0	0.6	200
I075275		1.77	3.30	0.07	0.7	0.089	0.49	11.8	3.3	0.87	1180	0.07	0.01	6.1	5.2	260
I075276		0.17	0.31	<0.05	<0.1	0.006	0.06	1.7	0.8	0.68	111	1.34	<0.01	0.4	<0.2	10
I075277		0.21	0.85	<0.05	0.1	0.010	0.18	2.5	2.1	0.74	116	1.86	<0.01	0.8	<0.2	10
I075278		0.29	1.20	<0.05	0.2	0.032	0.22	3.3	3.1	0.75	175	1.13	0.01	0.9	<0.2	10
I075279		18.35	1.74	0.32	0.1	0.207	0.10	5.3	2.3	6.44	3160	0.32	0.01	0.5	<0.2	20
I075280		19.75	1.35	0.28	0.1	0.141	0.16	5.3	2.0	5.21	2280	0.36	0.01	0.8	2.0	20
I075281		0.42	0.31	0.12	<0.1	<0.005	0.03	0.7	1.1	12.25	182	0.09	<0.01	0.3	2.3	180
I075282		18.35	1.40	0.23	0.1	0.071	0.09	5.0	1.8	7.18	2780	0.14	0.01	0.3	<0.2	20
I075283		0.79	2.49	<0.05	0.3	0.046	0.52	3.6	4.1	0.60	643	0.31	0.02	1.8	10.5	20
I075284		6.58	18.45	0.18	1.6	0.069	4.23	13.7	38.2	2.89	638	0.54	0.61	12.1	192.5	740
I075285		19.95	0.82	0.30	0.1	0.123	0.06	2.2	1.1	5.14	1760	4.82	0.01	1.0	5.8	80
I075286		8.19	19.95	0.19	0.1	0.057	4.02	15.8	73.3	4.01	552	0.12	0.49	10.5	209	750
I075287		6.20	16.30	0.15	1.1	0.070	3.74	19.8	26.6	3.05	992	0.30	0.21	10.4	165.0	730
I075288		9.03	19.30	0.19	1.5	0.058	3.48	17.2	61.7	4.41	552	0.58	0.06	18.5	238	820
I075289		6.84	17.75	0.18	1.6	0.061	2.97	16.4	45.2	5.10	701	0.47	0.12	16.0	234	750
I075290		5.47	17.65	0.16	1.4	0.060	3.95	14.3	36.5	4.55	479	0.80	0.16	9.3	230	590
I075291		0.51	0.39	<0.05	0.1	<0.005	0.06	1.9	3.0	12.25	362	0.15	0.01	0.3	2.2	20
I075292		1.50	0.47	0.05	<0.1	0.006	0.04	2.6	3.4	12.30	373	0.13	0.01	0.3	4.6	20

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 14-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10087262

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I075257		159.0	870	<0.002	0.29	2.53	3.4	1	3.2	54.6	2.04	0.16	2.0	0.074	7.93	0.7
I075258		30.0	6.1	<0.002	0.08	1.74	1.9	2	1.0	97.6	0.06	0.09	<0.2	0.023	0.17	0.6
I075259		129.0	1.8	<0.002	0.16	3.00	2.8	2	0.4	80.5	<0.05	0.10	0.2	0.010	0.18	1.2
I075260		46.2	0.5	<0.002	0.04	1.31	1.0	2	0.2	90.0	<0.05	0.05	<0.2	<0.005	0.04	0.3
I075261		47.5	0.5	<0.002	0.02	0.62	0.5	1	<0.2	61.0	<0.05	<0.05	<0.2	<0.005	0.03	0.1
I075262		23.8	0.9	<0.002	0.01	0.34	0.7	1	<0.2	74.2	<0.05	0.05	<0.2	<0.005	0.04	0.1
I075263		254	1.4	0.002	0.04	2.67	1.9	2	0.5	89.5	<0.05	0.11	<0.2	<0.005	0.12	0.6
I075264		335	0.6	0.008	0.29	4.93	1.7	2	0.8	86.8	<0.05	0.27	<0.2	<0.005	0.17	1.1
I075265		229	4.3	0.031	0.23	6.59	2.8	3	8.4	69.1	0.05	0.38	0.2	0.018	0.80	1.9
I075266		2.8	1.4	<0.002	0.01	0.05	0.4	2	<0.2	38.5	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
I075267		131.5	1.3	<0.002	0.11	1.94	0.9	2	0.3	79.5	<0.05	0.15	<0.2	<0.005	0.65	0.9
I075268		65.0	4.7	<0.002	0.06	0.75	1.5	2	0.5	60.8	0.05	0.05	0.2	0.023	0.32	0.4
I075269		11.8	7.5	<0.002	0.02	0.49	1.6	1	0.8	67.7	0.08	<0.05	0.3	0.033	0.12	0.3
I075270		35.4	6.3	<0.002	0.01	0.43	1.1	2	0.9	45.9	0.07	<0.05	0.2	0.029	0.16	0.3
I075271		101.0	14.9	0.002	0.03	1.42	2.3	2	2.2	61.9	0.14	0.09	0.4	0.062	0.22	1.2
I075272		2.4	4.9	<0.002	0.16	0.15	1.0	2	<0.2	127.0	0.09	<0.05	0.3	0.036	0.02	0.3
I075273		4.3	11.4	0.002	0.04	1.36	1.9	2	0.4	125.5	0.21	<0.05	0.7	0.080	0.07	0.6
I075274		3.9	12.8	0.002	0.04	1.42	2.0	2	0.5	123.0	0.25	<0.05	0.8	0.093	0.10	0.6
I075275		6.2	21.5	<0.002	0.03	2.10	3.0	2	0.6	117.5	0.39	0.06	1.1	0.145	0.19	1.1
I075276		2.2	1.9	0.003	0.09	0.23	0.5	2	<0.2	144.0	<0.05	<0.05	0.3	0.007	0.05	1.4
I075277		1.7	8.5	0.002	0.09	0.25	0.8	2	<0.2	200	<0.05	<0.05	0.6	0.018	0.07	0.7
I075278		2.3	8.9	<0.002	0.15	0.76	1.1	2	0.2	192.5	0.05	<0.05	0.8	0.022	0.06	0.6
I075279		4.3	7.8	<0.002	>10.0	20.7	0.7	4	0.7	78.4	<0.05	0.42	0.4	0.007	0.10	1.2
I075280		3.6	16.1	<0.002	>10.0	22.7	1.6	5	1.5	61.1	<0.05	0.28	0.5	0.011	0.14	0.6
I075281		1.6	1.4	<0.002	0.04	0.06	0.3	1	<0.2	41.2	<0.05	<0.05	<0.2	<0.005	<0.02	0.9
I075282		6.3	14.7	0.002	>10.0	4.21	0.7	3	0.3	83.2	<0.05	0.20	0.3	0.006	0.11	0.4
I075283		2.8	21.2	<0.002	0.47	0.17	2.6	2	0.7	298	0.09	<0.05	0.9	0.066	0.09	0.5
I075284		28.0	135.5	<0.002	0.27	12.20	25.0	2	0.9	129.5	0.64	<0.05	2.1	0.744	1.04	1.2
I075285		6.2	7.0	0.003	>10.0	20.0	0.5	5	1.6	60.4	<0.05	0.67	0.2	0.008	0.11	0.4
I075286		1.4	101.0	<0.002	0.01	1.25	23.7	2	0.9	97.7	0.57	<0.05	1.8	0.707	0.97	0.3
I075287		3.8	163.0	0.002	0.04	1.29	21.5	2	1.3	101.5	0.59	<0.05	1.9	0.652	1.57	0.6
I075288		4.6	152.0	<0.002	0.02	0.78	25.5	2	1.0	83.4	0.99	<0.05	2.3	0.784	1.80	0.6
I075289		1.8	68.5	0.002	0.25	0.38	23.8	2	1.1	90.3	0.84	<0.05	2.1	0.719	0.58	0.7
I075290		2.1	92.9	0.002	4.11	0.53	24.3	2	1.8	57.4	0.50	<0.05	2.2	0.519	0.82	1.0
I075291		1.3	2.6	<0.002	0.39	0.13	0.5	2	<0.2	56.7	<0.05	<0.05	0.2	0.008	0.02	0.4
I075292		1.8	8.1	<0.002	0.98	0.22	0.6	3	0.2	52.8	<0.05	0.05	0.2	0.006	0.05	0.4

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 14-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10087262

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	As-OG62
	Analyte	V	W	Y	Zn	Zr	As
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
I075257		20	8.5	3.9	131	54.6	
I075258		9	115.0	12.2	306	8.1	
I075259		9	142.0	14.9	801	4.9	
I075260		20	111.5	8.0	206	1.2	
I075261		11	18.6	4.5	228	0.7	
I075262		13	4.3	4.8	116	1.0	
I075263		14	217	9.7	696	1.9	
I075264		13	421	10.7	1040	1.1	
I075265		15	1780	16.1	1320	5.8	
I075266		2	6.6	0.9	22	<0.5	
I075267		4	40.6	6.7	1040	1.3	
I075268		8	9.3	6.7	726	5.8	
I075269		9	3.6	7.2	131	10.0	
I075270		6	2.2	5.5	287	8.0	
I075271		16	53.0	11.9	889	23.7	
I075272		4	0.8	5.0	12	6.8	
I075273		10	5.5	7.9	32	14.3	
I075274		11	5.4	7.5	40	16.2	
I075275		23	8.0	10.2	76	26.2	
I075276		2	0.4	1.3	5	1.6	
I075277		2	0.4	1.7	5	5.2	
I075278		3	0.7	2.1	3	6.3	
I075279		4	10.8	6.2	11	2.6	2.51
I075280		4	47.2	5.6	5	4.1	7.73
I075281		2	0.3	0.9	13	<0.5	
I075282		2	226	5.9	10	2.5	0.987
I075283		9	1.1	3.3	2	9.3	
I075284		135	1.7	19.1	189	59.4	
I075285		3	263	4.4	10	3.3	4.68
I075286		172	0.4	17.3	158	3.3	
I075287		158	1.2	18.1	117	34.8	
I075288		179	1.1	17.9	146	63.8	
I075289		158	0.8	17.9	72	55.2	
I075290		126	0.8	13.6	18	58.0	
I075291		7	0.2	2.2	4	1.5	
I075292		7	0.5	3.7	9	1.1	

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 14-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10087262

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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Finalized Date: 14-JUL-2010
Account: RCM

CERTIFICATE VA10087265

Project: RAU

P.O. No.: BATCH 24

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 29-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

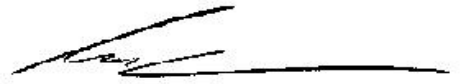
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LOG-23	Pulp Login - Rcvd with Barcode
CRU-31	Fine crushing - 70% <2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 14-JUL-2010
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CERTIFICATE OF ANALYSIS VA10087265

Method	WEI-21	Au-AA26	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
Sample Description Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
LOR	0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
I075329	4.00	0.16	12.60	0.85	>10000	150	0.56	134.5	0.42	6.64	27.8	8.2	5	0.05	66.1
I075330	7.58	<0.01	4.61	0.08	10	20	0.08	0.17	20.5	0.10	1.17	1.1	2	0.22	16.8
I075331	4.40	0.28	0.96	0.30	6730	180	<0.05	742	17.75	3.55	16.35	6.6	1	0.11	6.7
I075332	3.86	0.14	7.94	0.08	4690	240	<0.05	933	26.2	4.35	25.5	7.8	<1	0.14	13.3
I075333	4.92	0.15	7.75	0.51	4740	230	0.18	362	20.2	3.25	12.05	9.6	3	0.17	12.7
I075334	4.96	0.21	5.52	0.18	5850	240	0.07	591	24.2	2.53	11.25	6.5	1	0.16	500
I075335	3.30	0.11	7.23	0.13	1380	60	0.07	88.5	20.3	1.73	10.05	4.1	<1	0.34	7.1
I075336	4.50	0.05	0.86	0.15	1240	70	0.11	8.15	21.3	1.68	11.45	1.1	<1	0.24	5.1
I075337	3.84	0.56	10.85	0.39	>10000	250	0.24	354	11.20	5.92	15.45	11.7	3	0.32	16.0
I075338	2.46	1.31	12.20	0.74	>10000	1670	0.50	426	1.07	13.15	23.4	12.7	6	0.66	17.3
I075339	2.78	5.05	38.6	0.97	>10000	1360	0.71	7500	1.26	11.95	29.6	16.7	10	2.27	29.9
I075340	0.26	1.43	0.64	4.85	72.9	80	1.22	1.37	0.99	0.14	15.35	20.1	147	28.4	436
I075341	3.26	0.58	6.07	1.15	>10000	1660	0.35	2400	1.00	10.45	31.8	21.9	8	1.84	25.2
I075342	4.08	0.08	1.81	1.12	>10000	1790	0.47	28.9	0.59	7.49	24.4	21.3	10	1.24	26.4
I075343	2.24	0.08	1.24	1.39	>10000	1370	0.50	16.85	0.55	6.57	25.1	23.6	10	1.18	33.7
I075344	4.38	0.06	0.70	2.15	>10000	700	0.74	8.60	0.53	5.37	32.4	8.5	21	1.68	26.8
I075345	7.08	0.01	0.02	0.07	57	40	<0.05	0.59	20.1	0.09	1.24	1.3	2	0.20	3.4
I075346	1.26	0.40	3.80	0.98	>10000	920	0.42	141.0	5.09	7.48	26.5	13.0	11	0.90	26.8
I075347	1.84	0.53	2.36	1.49	>10000	1230	0.26	950	0.87	9.07	38.8	16.8	14	2.79	16.6
I075348	2.52	0.37	1.72	1.67	>10000	1550	0.55	378	0.75	7.70	33.1	14.9	16	2.87	20.4
I075349	5.82	0.09	0.18	0.50	2570	350	0.18	14.70	31.4	0.80	8.09	3.5	3	0.70	4.0
I075350	4.12	0.07	0.29	0.22	2040	200	0.14	461	31.4	0.70	9.03	2.6	1	0.35	4.4
I075351	3.02	1.04	1.60	2.03	>10000	1260	0.65	363	1.04	8.95	30.9	19.5	24	7.47	21.6
I075352	5.00	0.39	0.46	0.88	7170	580	0.29	53.6	26.4	2.43	15.20	5.9	8	1.84	10.0
I075353	4.20	0.50	0.50	0.76	7650	460	0.31	71.3	28.1	1.80	13.75	4.4	9	1.36	7.9
I075354	2.96	1.58	1.22	1.57	>10000	970	0.61	277	17.20	3.98	26.4	9.3	16	2.58	17.3
I075355	2.70	0.16	0.09	0.61	1060	190	0.23	7.48	33.2	0.36	7.86	2.1	7	0.93	2.6
I075356	4.18	1.26	2.83	2.67	>10000	1350	0.81	241	8.94	7.78	29.9	24.3	33	7.12	43.5
I075357	2.62	1.17	2.34	4.25	>10000	1290	1.21	87.8	1.25	8.15	48.9	19.1	71	9.97	41.8
I075358	0.26	8.16	18.60	5.09	6.5	30	1.18	1.32	1.35	0.02	5.11	7.3	41	52.3	13.8
I075359	3.66	0.09	0.12	2.21	588	390	0.38	2.48	27.9	0.42	16.60	4.7	15	0.99	8.3
I075360	4.84	0.03	0.05	0.80	104	190	0.18	0.60	32.2	0.09	11.65	1.8	10	0.63	1.8
I075361	3.40	0.74	0.86	3.32	3240	500	0.92	4.59	10.05	2.25	55.2	13.1	43	3.36	39.2
I075362	9.72	0.01	0.04	1.19	18	290	0.34	0.35	31.3	0.04	18.95	4.0	20	0.79	7.2
I075363	11.10	0.01	0.09	2.04	34	240	0.49	0.50	25.7	0.20	22.8	5.9	27	1.05	9.1
I075364	5.34	0.02	0.11	1.85	27	340	0.52	0.48	26.8	0.18	24.1	6.4	35	1.54	9.3

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Project: RAU

Finalized Date: 14-JUL-2010
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CERTIFICATE OF ANALYSIS VA10087265

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I075329		49.0	4.48	0.84	0.3	0.162	0.02	9.5	0.8	1.43	5630	2.66	0.04	0.7	27.3	380
I075330		0.43	0.33	0.07	<0.1	<0.005	0.04	0.6	1.2	12.40	191	0.33	0.01	0.3	2.1	160
I075331		13.50	1.81	0.23	0.2	0.077	0.02	6.1	1.4	5.06	5610	1.01	0.03	0.4	9.1	430
I075332		7.98	0.70	0.19	0.1	0.162	0.01	11.6	1.2	4.48	8600	1.14	0.01	0.5	3.1	310
I075333		9.19	3.94	0.12	0.3	0.176	0.02	4.4	1.0	4.02	7300	0.78	0.05	1.2	13.2	440
I075334		6.53	1.41	0.18	0.2	0.146	0.01	4.3	1.2	5.24	6710	0.88	0.02	0.4	5.1	280
I075335		4.91	1.44	0.07	0.1	0.171	0.01	3.7	2.3	9.21	5330	0.36	0.02	0.3	<0.2	50
I075336		3.64	1.63	0.05	0.1	0.160	0.01	4.4	2.1	9.45	5540	0.27	0.02	0.3	<0.2	20
I075337		25.0	3.32	0.41	0.5	0.349	0.03	6.0	1.4	4.02	6730	2.58	0.04	1.1	12.1	390
I075338		45.7	8.05	0.80	0.6	0.356	0.17	9.4	1.6	0.40	31500	7.31	0.04	1.0	37.2	480
I075339		43.3	11.05	0.85	0.9	0.364	0.33	10.2	1.6	0.47	32900	6.19	0.02	1.4	55.4	730
I075340		1.85	13.85	0.09	1.5	0.042	3.41	9.1	7.6	0.38	274	4.59	1.18	2.7	429	430
I075341		43.7	9.92	0.87	0.7	0.177	0.32	12.8	2.8	0.48	37600	5.60	0.03	1.7	55.3	620
I075342		46.6	4.42	0.73	0.3	0.118	0.34	15.2	2.8	0.24	28900	7.24	0.02	1.3	46.3	300
I075343		49.0	5.54	0.76	0.2	0.136	0.39	14.9	3.6	0.28	20700	5.81	0.02	1.3	49.7	390
I075344		45.1	7.02	0.80	0.2	0.093	0.80	20.3	7.4	0.36	7490	3.85	0.02	1.6	41.8	630
I075345		0.53	0.32	0.07	<0.1	<0.005	0.04	0.6	1.0	12.25	275	0.12	0.01	0.3	2.7	190
I075346		41.1	4.69	0.67	0.3	0.143	0.26	15.2	2.7	1.32	19250	6.12	0.03	1.0	34.6	420
I075347		44.2	7.79	0.87	0.5	0.161	0.57	25.4	5.1	0.37	24900	7.74	0.02	1.8	60.6	570
I075348		42.9	8.03	0.80	0.4	0.124	0.64	20.6	6.0	0.37	27400	6.97	0.02	1.0	51.0	480
I075349		3.33	1.86	<0.05	0.2	0.025	0.21	6.7	2.0	0.34	3960	0.97	0.01	2.7	<0.2	160
I075350		4.54	1.33	0.07	0.1	0.035	0.09	5.3	1.3	1.98	5590	0.88	0.01	1.0	<0.2	120
I075351		41.6	7.97	0.97	0.6	0.148	0.69	21.3	8.8	0.48	16400	5.36	0.05	3.0	52.1	610
I075352		11.20	3.36	0.16	0.3	0.055	0.35	11.7	3.5	0.37	5020	1.44	0.01	3.0	9.6	270
I075353		9.58	3.27	0.15	0.2	0.066	0.29	10.2	3.1	0.37	4060	1.15	0.01	2.4	5.5	260
I075354		21.9	6.71	0.38	0.4	0.142	0.62	18.6	7.0	0.47	9240	2.58	0.02	5.1	25.4	520
I075355		1.98	1.83	<0.05	0.2	0.013	0.32	7.2	4.3	0.86	817	0.22	0.01	3.4	<0.2	190
I075356		23.9	10.85	0.39	0.6	0.229	0.95	22.4	11.6	2.10	13000	4.03	0.04	5.7	58.4	650
I075357		31.8	14.30	0.65	0.8	0.247	1.43	31.7	18.4	1.49	8270	3.25	0.04	5.1	83.5	900
I075358		1.95	12.70	<0.05	0.8	0.019	3.41	2.2	11.6	0.62	295	19.60	1.13	1.6	11.5	610
I075359		1.70	5.60	<0.05	0.5	0.024	0.52	13.5	6.0	0.80	1650	0.36	0.44	4.8	3.6	330
I075360		0.67	2.08	0.05	0.4	0.012	0.37	10.3	2.9	1.21	209	0.08	0.02	4.7	2.3	230
I075361		5.93	10.40	0.17	1.5	0.031	0.60	49.1	23.7	6.69	6510	1.55	0.02	16.6	44.9	1090
I075362		0.78	3.09	0.07	0.8	0.012	0.58	16.3	4.3	0.72	206	0.11	0.01	7.2	10.3	280
I075363		1.29	4.70	0.07	1.0	0.022	0.65	18.7	7.3	2.20	258	0.21	0.24	7.9	14.3	350
I075364		1.21	4.68	0.08	1.1	0.015	0.88	20.6	8.8	2.83	180	0.16	0.02	10.4	16.9	390

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 14-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10087265

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I075329		282	0.7	0.005	0.03	47.2	3.2	6	0.6	18.4	<0.05	0.18	0.9	0.012	0.27	4.9
I075330		2.1	2.3	<0.002	0.01	13.15	0.3	1	<0.2	41.1	<0.05	<0.05	<0.2	0.006	<0.02	0.6
I075331		28.1	0.7	<0.002	0.02	9.70	2.4	3	1.4	52.8	<0.05	0.96	<0.2	0.010	0.21	1.4
I075332		182.0	0.7	<0.002	0.02	14.15	2.2	3	1.8	76.6	<0.05	0.86	0.3	<0.005	0.10	1.1
I075333		145.5	1.3	<0.002	0.03	5.97	2.3	4	2.0	51.6	0.08	0.35	0.2	0.027	0.27	1.6
I075334		107.5	1.1	<0.002	0.04	9.28	2.4	4	2.3	78.6	<0.05	0.93	0.2	0.009	0.06	1.7
I075335		200	0.9	<0.002	0.02	3.54	2.1	2	0.7	116.5	<0.05	0.12	<0.2	<0.005	0.04	0.4
I075336		46.3	0.7	<0.002	0.02	1.16	1.9	2	0.5	115.0	<0.05	<0.05	<0.2	<0.005	0.07	0.3
I075337		699	3.3	<0.002	0.02	14.60	3.4	4	2.4	61.0	0.05	0.44	0.2	0.020	1.07	3.3
I075338		246	19.5	0.005	0.02	18.00	4.4	5	5.4	45.1	<0.05	0.48	1.3	0.021	1.95	5.0
I075339		638	49.1	<0.002	0.08	131.0	4.6	12	15.0	55.6	0.22	6.19	0.4	0.051	2.96	3.9
I075340		167.0	880	<0.002	0.28	2.58	2.9	1	3.1	45.1	2.85	0.15	2.1	0.077	8.22	0.8
I075341		163.5	36.9	<0.002	0.02	42.5	4.4	8	4.4	54.9	0.06	1.45	0.7	0.038	3.13	4.4
I075342		21.6	19.1	<0.002	0.02	5.18	2.6	3	0.5	64.3	0.07	0.14	1.7	0.051	1.22	3.1
I075343		20.9	20.9	0.002	0.01	6.07	3.8	3	0.4	36.1	0.05	0.11	1.8	0.037	1.71	3.0
I075344		31.3	35.7	<0.002	0.01	7.59	5.7	4	0.5	17.2	0.06	0.08	2.2	0.055	0.66	3.2
I075345		1.6	2.0	<0.002	0.02	0.08	0.4	1	<0.2	39.5	<0.05	<0.05	<0.2	<0.005	0.02	0.6
I075346		164.0	13.2	0.005	0.03	8.72	3.5	4	0.8	55.5	<0.05	0.22	0.9	0.024	0.98	3.4
I075347		35.3	38.7	<0.002	0.02	19.00	4.9	5	2.2	49.4	0.09	0.73	1.5	0.046	2.64	4.3
I075348		28.8	40.5	<0.002	0.02	10.80	5.1	6	1.4	41.0	<0.05	0.35	1.4	0.041	2.17	4.0
I075349		8.8	11.3	<0.002	0.03	1.12	1.5	2	0.3	119.0	0.13	0.06	0.6	0.056	0.32	0.6
I075350		23.3	5.5	<0.002	0.01	11.35	1.0	2	0.3	108.5	<0.05	0.30	0.3	0.017	0.20	0.5
I075351		73.0	49.0	0.002	0.02	14.55	6.1	3	1.4	38.5	0.15	0.36	2.6	0.085	2.38	5.0
I075352		31.1	21.3	<0.002	0.01	3.70	2.6	3	0.5	98.5	0.15	0.12	1.0	0.067	0.46	1.3
I075353		36.7	18.3	<0.002	0.01	4.68	2.2	2	0.6	110.0	0.12	0.15	0.9	0.053	0.29	1.2
I075354		69.5	36.8	<0.002	0.04	11.05	4.4	3	1.3	80.6	0.26	0.38	1.5	0.118	0.65	2.4
I075355		5.3	15.6	<0.002	0.37	0.64	1.7	2	0.3	106.5	0.18	<0.05	0.7	0.067	0.10	0.3
I075356		160.0	64.2	<0.002	0.01	9.07	6.9	3	5.8	39.2	0.29	0.29	2.4	0.136	1.96	3.4
I075357		166.5	90.7	0.002	0.02	9.24	11.3	4	5.5	26.3	0.24	0.21	4.0	0.160	1.19	4.6
I075358		5.0	1460	<0.002	0.03	0.71	5.8	2	0.9	56.5	0.29	0.07	0.4	0.245	11.60	0.2
I075359		5.9	20.0	<0.002	0.12	0.48	5.2	2	0.5	179.0	0.26	0.06	1.3	0.148	0.15	0.6
I075360		3.0	13.8	<0.002	0.34	0.14	2.1	2	0.3	139.5	0.27	<0.05	0.9	0.097	0.05	0.5
I075361		8.4	31.3	<0.002	0.01	1.57	7.8	2	0.9	55.0	0.85	0.09	3.9	0.383	0.46	2.5
I075362		2.0	20.0	<0.002	0.63	0.16	3.1	2	0.4	163.0	0.43	<0.05	1.4	0.164	0.08	1.1
I075363		2.6	23.7	<0.002	0.75	0.30	4.8	3	0.3	170.5	0.49	<0.05	1.8	0.206	0.11	1.2
I075364		2.5	33.5	0.002	0.94	0.30	4.3	3	0.4	152.5	0.64	<0.05	2.0	0.240	0.12	1.4

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 14-JUL-2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10087265

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	As-OG62
	Analyte	V	W	Y	Zn	Zr	As
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
I075329		18	387	28.0	3350	11.6	1.955
I075330		3	0.2	0.8	18	<0.5	
I075331		12	43.7	19.5	916	5.6	
I075332		6	13.6	22.3	854	3.6	
I075333		15	58.2	18.1	757	14.6	
I075334		7	73.0	20.3	587	8.0	
I075335		8	26.3	17.1	571	3.2	
I075336		10	226	18.2	287	5.1	
I075337		19	124.0	23.9	3250	18.3	1.595
I075338		20	212	34.8	3740	20.3	2.64
I075339		30	71.2	47.7	3430	26.1	2.79
I075340		20	8.5	3.6	131	56.3	
I075341		24	184.0	44.8	2940	29.1	2.61
I075342		14	18.4	31.3	3170	13.2	1.870
I075343		16	18.2	32.3	3120	7.6	1.845
I075344		29	22.1	31.9	2720	7.9	1.815
I075345		2	0.2	0.9	23	0.5	
I075346		16	431	30.7	3380	9.7	1.660
I075347		25	65.2	38.7	3320	22.5	2.19
I075348		25	46.0	31.3	3050	14.4	2.02
I075349		6	5.2	7.6	257	8.5	
I075350		3	3.8	11.4	222	4.1	
I075351		35	36.3	38.3	4530	19.8	2.56
I075352		13	17.7	15.1	1050	10.2	
I075353		12	14.5	13.2	591	10.4	
I075354		28	42.8	24.8	1360	18.9	1.655
I075355		6	3.2	7.0	108	7.3	
I075356		43	56.8	36.9	2750	24.9	1.505
I075357		73	85.8	36.8	3170	33.4	1.500
I075358		53	0.3	6.7	27	28.7	
I075359		34	1.9	12.1	115	21.1	
I075360		11	0.4	8.8	24	21.2	
I075361		80	5.8	17.7	767	70.1	
I075362		35	0.4	11.1	8	30.7	
I075363		43	0.5	12.1	56	39.3	
I075364		48	0.5	12.1	59	42.7	

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VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 14-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10087265

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
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Finalized Date: 13-JUL-2010
Account: RCM

CERTIFICATE VA10087266

Project: RAU

P.O. No.: BATCH 25

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 29-JUN-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

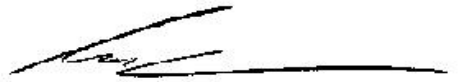
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
LOG-23	Pulp Login - Rcvd with Barcode
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Project: RAU

Finalized Date: 13-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10087266

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA26 Au ppm 0.01	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
I075365		5.42	0.01	0.09	3.77	41	190	0.79	0.93	15.20	0.41	64.7	19.4	129	11.55	9.1
I075366		5.30	0.01	0.23	3.46	123	280	0.92	0.12	18.95	0.32	71.7	73.5	131	5.11	33.6
I075367		4.32	0.01	0.05	3.39	58	510	0.87	0.06	18.65	0.19	67.8	50.2	105	6.71	31.7
I075368		5.56	<0.01	0.02	6.23	7	1680	1.30	0.22	14.60	0.13	97.6	36.6	414	14.85	45.9
I075369		2.54	<0.01	0.02	6.17	32	1660	1.32	0.42	12.85	0.20	90.3	30.8	417	13.70	24.9
I075370		3.98	0.01	2.06	10.40	21.4	3100	3.19	0.41	1.38	1.82	164.5	36.3	154	22.2	223
I075371		3.16	<0.01	<0.01	9.30	2.5	2980	2.83	0.13	1.25	<0.02	171.0	17.0	106	17.15	0.9
I075372		5.70	<0.01	<0.01	9.87	2.3	4160	2.56	0.30	1.18	<0.02	197.5	15.4	67	21.9	6.2
I075373		4.76	0.01	<0.01	9.36	7.7	3060	2.46	0.39	1.23	<0.02	186.5	13.8	74	15.20	63.1
I075374		4.94	0.03	<0.01	8.98	56.6	350	2.08	1.11	1.56	0.06	150.0	12.4	115	4.96	31.2
I075375		4.14	<0.01	0.01	0.10	<5	30	0.06	0.02	21.8	0.06	1.78	1.2	<1	0.19	2.0
I075376		4.98	0.15	0.29	4.76	102	260	1.15	22.4	13.00	0.07	48.9	21.5	90	13.05	16.4
I075377		5.52	0.03	0.12	0.57	67	80	0.15	8.63	18.90	0.05	16.50	2.2	13	5.78	4.4
I075378		0.28	2.00	0.25	0.25	>10000	20	0.09	270	14.10	0.24	16.95	2.5	7	1.15	27.3
I075379		3.46	0.01	0.09	0.57	11	100	0.17	2.09	19.60	0.06	17.70	2.9	18	7.15	4.7
I075380		2.66	0.01	0.05	0.78	13	90	0.26	1.72	21.5	0.07	18.50	2.8	15	9.92	3.4
I075381		3.26	0.01	0.10	4.44	31	870	1.02	3.69	12.00	0.03	48.7	11.3	46	24.3	6.4
I075382		5.38	0.02	0.02	8.58	51.1	1720	2.02	4.19	1.68	0.04	133.5	14.5	120	10.45	5.3
I075383		5.40	0.02	0.04	6.72	41.7	690	1.58	2.44	7.57	0.04	117.5	11.6	62	22.7	5.9
I075384		5.06	0.02	0.05	2.01	42	330	0.46	3.38	17.45	0.04	18.35	4.2	9	8.53	3.7
I075385		4.62	0.03	0.08	3.82	29	570	0.98	3.96	14.35	0.05	66.2	5.3	24	17.85	6.6
I075386		5.74	0.03	0.04	1.35	51	290	0.33	2.50	18.05	0.06	12.40	1.8	8	5.57	2.3
I075387		5.58	0.05	0.03	0.99	46	220	0.28	4.20	20.3	0.05	22.2	1.9	8	4.01	2.3
I075388		0.28	2.78	0.71	0.16	1610	20	0.08	94.6	14.80	1.51	12.60	1.6	11	1.04	31.6
I075389		2.78	0.06	0.04	1.08	67	240	0.29	3.16	19.35	0.05	13.25	1.6	6	5.22	1.7
I075390		3.28	0.27	0.13	1.33	711	200	0.40	90.2	12.20	0.04	8.48	1.4	16	6.19	4.1
I075391		4.28	<0.01	<0.01	0.07	<5	20	0.06	0.21	20.7	0.05	1.28	1.1	<1	0.14	1.5
I075392		5.70	0.14	0.12	0.33	395	80	0.14	50.9	17.10	0.05	5.98	1.2	6	1.00	3.9
I075393		5.42	0.05	0.07	0.65	57	150	0.22	2.98	19.70	0.06	6.63	1.4	5	1.52	2.1
I075394		5.38	0.03	0.09	1.28	68	350	0.37	16.95	16.15	0.06	14.80	1.7	16	2.63	7.3
I075395		5.64	0.01	0.01	1.33	23	360	0.38	1.19	20.1	0.03	13.45	2.0	9	1.60	4.1
I075396		5.48	0.01	<0.01	1.48	10	310	0.43	1.11	20.2	0.03	14.15	2.3	9	1.50	7.0
I075397		5.48	0.01	0.01	2.01	23	410	0.52	0.85	18.05	0.02	18.05	2.7	7	2.04	8.7
I075398		3.32	0.01	0.01	1.26	10	180	0.35	0.42	20.6	<0.02	16.80	1.7	3	2.91	0.9
I075399		4.82	<0.01	0.01	0.69	6	170	0.32	1.11	21.3	<0.02	9.30	1.6	2	2.03	1.3
I075400		2.24	0.01	0.02	0.63	12	150	0.28	1.08	21.5	0.03	9.63	1.8	4	1.42	1.4

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 13-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10087266

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I075365		3.84	7.99	0.11	1.2	0.038	1.97	29.8	17.9	8.41	487	2.03	0.04	24.6	38.8	1820
I075366		6.64	8.59	0.15	2.2	0.034	1.36	32.2	9.4	4.53	1820	1.63	0.03	29.9	89.9	2350
I075367		6.42	8.79	0.15	1.9	0.032	1.66	32.6	15.7	3.58	2490	1.57	0.03	26.9	68.0	1540
I075368		5.23	16.10	0.17	0.8	0.071	3.69	49.9	33.4	1.23	1100	2.02	0.14	49.5	95.1	1530
I075369		4.99	16.05	0.15	0.9	0.067	3.63	44.8	31.5	1.17	1030	2.81	0.14	44.9	85.1	1540
I075370		9.25	25.5	0.30	4.7	0.313	6.20	86.1	17.4	1.27	1220	6.09	0.22	96.0	75.2	2940
I075371		8.86	24.0	0.30	5.0	0.103	5.73	95.5	21.2	1.11	318	0.74	0.27	103.5	49.5	2830
I075372		6.09	28.5	0.31	1.7	0.106	6.15	104.5	27.8	1.63	329	0.55	0.76	156.5	55.0	1580
I075373		6.16	25.9	0.27	1.2	0.185	5.28	100.0	23.6	1.04	517	0.58	0.21	133.5	48.7	1470
I075374		10.25	25.6	0.30	1.1	0.088	4.77	74.0	18.4	1.01	159	1.15	0.07	75.4	50.4	1930
I075375		0.46	0.36	0.22	<0.1	<0.005	0.06	0.9	1.1	13.00	196	0.11	0.01	0.6	<0.2	200
I075376		6.23	15.05	0.14	1.9	0.034	2.58	26.4	25.6	7.78	978	1.04	0.03	31.3	68.0	1130
I075377		4.36	2.13	0.07	0.3	0.032	0.40	8.7	5.7	10.50	1320	0.17	0.01	4.7	3.0	200
I075378		16.05	1.70	0.23	0.2	0.102	0.10	8.4	2.1	7.46	3300	4.87	0.01	1.9	8.0	200
I075379		1.17	2.30	<0.05	0.3	0.015	0.45	10.1	7.5	11.15	731	0.21	0.02	4.6	6.2	210
I075380		1.56	3.17	<0.05	0.4	0.020	0.64	10.1	8.3	11.80	949	0.19	0.01	6.2	1.9	250
I075381		4.33	17.20	0.11	1.5	0.032	2.83	25.4	23.9	7.81	806	0.25	0.05	32.2	18.6	620
I075382		5.57	27.0	0.24	2.4	0.054	4.61	62.9	31.1	1.90	83	0.56	0.11	48.2	34.6	1560
I075383		4.20	25.9	0.20	1.5	0.036	3.44	62.4	35.6	4.92	261	0.41	0.29	60.4	28.8	1470
I075384		2.97	9.73	0.06	0.9	0.016	0.89	9.9	15.1	10.25	808	0.17	0.15	15.9	10.1	710
I075385		2.36	14.20	0.10	1.2	0.018	1.75	36.0	29.2	8.60	477	0.31	0.32	35.6	14.7	780
I075386		2.06	5.16	0.05	0.6	0.019	0.70	6.9	12.9	9.99	680	0.13	0.06	9.7	1.4	340
I075387		1.85	4.02	0.05	0.4	0.016	0.55	13.6	11.6	11.05	629	0.14	0.04	8.1	0.3	260
I075388		10.20	1.18	0.20	0.1	0.058	0.08	5.9	2.6	8.39	1750	4.89	0.01	1.0	6.8	80
I075389		1.89	4.42	<0.05	0.4	0.014	0.72	8.1	13.5	11.35	590	0.14	0.03	7.8	0.3	330
I075390		14.20	7.38	0.23	0.5	0.030	0.88	4.2	16.3	6.96	738	0.13	0.02	7.4	3.2	480
I075391		0.44	0.30	0.21	<0.1	<0.005	0.03	0.6	1.0	12.30	199	0.14	0.01	0.3	<0.2	190
I075392		8.11	1.90	0.13	0.2	0.020	0.15	3.4	4.9	9.84	829	0.10	0.01	2.5	<0.2	320
I075393		2.24	2.63	<0.05	0.2	0.015	0.31	4.1	8.1	11.45	589	0.11	0.02	4.0	<0.2	210
I075394		2.65	4.96	0.05	0.5	0.021	0.68	8.4	14.6	9.11	485	0.14	0.02	7.2	1.8	420
I075395		1.08	4.47	0.07	0.5	0.011	0.64	7.8	12.1	10.90	393	0.09	0.02	8.9	2.3	590
I075396		0.93	5.11	0.10	0.5	0.009	0.74	8.6	13.8	11.20	445	0.09	0.03	9.9	3.0	470
I075397		1.23	5.99	0.08	0.8	0.010	0.92	10.4	16.2	10.05	396	0.08	0.04	13.0	4.7	410
I075398		0.68	3.55	0.12	0.5	0.007	0.62	10.1	12.5	11.15	352	0.07	0.03	8.3	<0.2	170
I075399		0.55	2.18	0.17	0.2	0.005	0.37	5.9	10.0	11.60	388	0.07	0.01	4.3	<0.2	190
I075400		0.61	2.20	0.16	0.3	0.006	0.28	6.0	7.9	11.85	392	0.12	0.02	4.8	0.5	220

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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Project: RAU

Finalized Date: 13-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10087266

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I075365		8.7	80.7	0.002	4.73	2.01	7.2	2	1.4	63.1	1.27	<0.05	3.8	0.394	1.37	1.8
I075366		11.0	45.8	0.004	8.02	5.58	9.9	2	1.7	119.0	1.51	0.07	4.6	0.521	1.11	5.0
I075367		4.6	43.5	0.003	6.14	0.55	9.5	2	0.9	166.5	1.39	<0.05	4.5	0.497	0.59	2.8
I075368		3.2	105.0	<0.002	1.08	0.64	21.7	2	2.4	344	2.55	<0.05	6.1	1.265	0.92	0.8
I075369		3.3	95.9	<0.002	0.95	0.51	20.2	2	2.1	316	2.47	<0.05	6.8	1.210	0.85	0.9
I075370		81.8	205	0.005	0.52	12.20	22.3	2	25.0	108.5	5.05	0.05	15.0	1.095	2.17	11.8
I075371		3.0	147.0	<0.002	0.13	0.76	14.7	2	7.5	112.5	5.54	<0.05	14.6	1.260	1.41	1.4
I075372		3.0	210	<0.002	0.57	0.55	7.1	2	8.6	117.5	8.23	0.06	19.4	0.664	2.26	1.4
I075373		3.5	141.0	<0.002	1.17	0.53	8.8	2	11.1	159.0	7.82	0.05	16.9	0.698	1.79	0.5
I075374		4.2	119.0	<0.002	>10.0	1.65	10.5	2	4.7	27.3	4.32	<0.05	13.6	0.500	0.89	0.5
I075375		1.4	1.7	<0.002	0.03	<0.05	0.4	1	<0.2	48.0	<0.05	<0.05	<0.2	0.006	<0.02	0.5
I075376		6.6	140.0	0.002	7.21	5.12	11.0	3	2.9	75.3	1.69	0.09	5.2	0.521	1.30	2.5
I075377		2.6	38.4	<0.002	4.51	1.12	3.0	3	0.4	98.0	0.22	0.05	1.0	0.063	0.39	0.4
I075378		9.2	15.8	0.003	>10.0	11.50	0.8	2	2.3	89.4	0.08	0.25	0.6	0.024	0.23	0.5
I075379		3.1	44.6	<0.002	0.81	0.45	2.0	2	0.4	75.7	0.23	<0.05	1.0	0.063	0.46	0.3
I075380		3.1	81.3	<0.002	1.11	0.44	1.9	2	0.4	92.1	0.31	<0.05	1.7	0.073	0.62	0.4
I075381		2.7	261	<0.002	4.32	0.78	7.4	2	2.3	55.0	1.99	0.09	10.4	0.360	1.75	1.7
I075382		4.2	182.0	<0.002	6.26	0.97	16.5	2	3.7	25.6	3.08	0.09	15.1	0.677	1.20	0.9
I075383		3.9	140.5	<0.002	4.59	0.70	8.5	1	2.8	49.8	3.95	<0.05	12.8	0.515	1.31	0.6
I075384		2.6	35.7	<0.002	3.20	0.50	2.5	2	0.7	61.6	0.96	<0.05	4.7	0.137	0.42	1.2
I075385		4.5	69.2	<0.002	2.43	0.68	4.2	1	1.7	70.3	2.13	<0.05	7.7	0.314	0.93	0.6
I075386		4.0	21.7	<0.002	2.15	0.50	1.5	2	0.7	59.5	0.56	<0.05	2.6	0.081	0.27	0.8
I075387		3.1	17.1	<0.002	1.93	0.57	1.3	2	0.5	61.5	0.44	<0.05	1.8	0.066	0.19	0.5
I075388		107.0	11.0	0.017	>10.0	5.27	2.7	4	3.1	81.4	<0.05	0.12	0.6	0.010	0.40	0.2
I075389		2.7	36.3	<0.002	2.09	0.64	1.2	2	0.7	48.2	0.44	<0.05	1.5	0.070	0.34	0.4
I075390		3.9	51.6	<0.002	>10.0	11.60	1.9	7	1.5	40.4	0.41	0.09	1.5	0.076	0.42	0.9
I075391		1.3	1.1	<0.002	0.03	<0.05	0.4	1	<0.2	43.5	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
I075392		4.3	7.7	<0.002	>10.0	5.68	0.9	6	0.4	46.7	0.15	0.06	0.5	0.027	0.08	0.4
I075393		3.8	10.8	<0.002	2.52	0.57	0.9	3	0.4	48.1	0.22	<0.05	0.8	0.041	0.10	0.3
I075394		4.6	23.4	<0.002	2.95	2.40	1.4	3	1.1	41.6	0.42	<0.05	2.0	0.070	0.21	0.5
I075395		1.5	19.7	<0.002	1.10	0.54	1.5	2	0.6	56.3	0.52	<0.05	2.3	0.076	0.15	0.4
I075396		0.9	21.3	<0.002	0.79	0.35	1.6	1	0.6	62.4	0.58	<0.05	2.2	0.090	0.15	0.4
I075397		0.8	26.0	<0.002	1.28	0.34	1.7	1	0.7	59.1	0.77	<0.05	3.6	0.108	0.20	0.6
I075398		0.8	34.5	<0.002	0.65	0.21	1.3	1	0.4	56.1	0.48	<0.05	2.1	0.053	0.22	0.3
I075399		1.1	18.8	<0.002	0.53	0.40	0.9	1	0.3	46.8	0.23	<0.05	0.9	0.039	0.15	0.3
I075400		1.3	14.8	<0.002	0.60	0.46	1.2	1	0.4	47.0	0.26	0.05	1.0	0.045	0.12	0.3

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CERTIFICATE OF ANALYSIS VA10087266

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	As-OG62
	Analyte	V	W	Y	Zn	Zr	As
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
I075365		44	1.3	21.5	64	52.6	
I075366		96	3.4	28.6	44	93.7	
I075367		89	0.5	23.0	26	78.7	
I075368		178	0.7	45.4	63	33.4	
I075369		177	0.7	41.3	75	31.5	
I075370		211	4.9	31.7	511	198.0	
I075371		160	1.7	34.1	72	205	
I075372		89	2.2	25.4	51	67.7	
I075373		91	3.0	23.2	45	43.2	
I075374		82	2.1	18.7	33	41.2	
I075375		2	0.2	1.0	15	1.0	
I075376		80	7.3	14.9	21	75.5	
I075377		13	1.2	8.1	15	14.9	
I075378		7	57.2	7.6	61	7.2	2.72
I075379		12	0.8	12.3	17	12.5	
I075380		12	1.0	12.1	20	15.8	
I075381		51	2.8	14.2	20	57.9	
I075382		123	3.6	19.2	13	88.1	
I075383		69	3.8	19.3	19	53.7	
I075384		22	1.4	8.4	12	38.6	
I075385		42	3.7	12.1	15	46.5	
I075386		13	1.3	5.4	13	21.4	
I075387		10	1.2	5.2	10	16.7	
I075388		9	2060	6.0	352	3.1	
I075389		8	3.3	4.7	15	14.9	
I075390		18	8.5	7.3	11	23.8	
I075391		2	0.4	0.8	14	<0.5	
I075392		8	1.1	5.4	8	9.1	
I075393		8	0.9	4.4	11	9.9	
I075394		11	1.5	6.0	15	17.7	
I075395		11	1.3	7.5	9	19.0	
I075396		11	1.2	6.4	11	21.5	
I075397		13	1.0	6.9	9	29.4	
I075398		5	0.5	6.5	7	18.7	
I075399		6	0.6	6.0	6	10.4	
I075400		11	1.0	5.9	14	12.6	

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 13-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10087266

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 14-JUL-2010
Account: RCM

CERTIFICATE VA10089851

Project: RAU

P.O. No.: BATCH 29

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 3-JUL-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

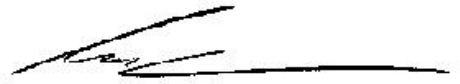
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LOG-23	Pulp Login - Rcvd with Barcode
CRU-31	Fine crushing - 70% <2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Project: RAU

Finalized Date: 14-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10089851

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA26 Au ppm 0.01	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
I075509		6.12	0.01	0.10	6.91	48.9	1040	1.04	1.00	1.24	0.03	103.5	14.5	407	2.94	11.1
I075510		2.36	0.03	0.47	4.99	92.8	990	0.86	3.95	0.50	0.02	77.3	41.2	335	1.22	16.3
I075511		3.92	0.01	0.53	4.76	36.0	1120	0.87	17.90	3.01	<0.02	87.2	38.3	314	9.64	118.5
I075512		1.54	0.01	0.19	1.96	20	160	0.58	21.5	15.00	0.05	34.3	6.9	99	22.5	12.0
I075513		3.34	0.01	0.38	0.46	17.2	60	0.44	468	6.61	0.23	4.77	5.2	25	5.32	35.4
I075514		3.74	0.01	13.35	0.66	100	30	0.40	699	18.25	1.61	11.90	6.4	22	3.63	15.7
I075515		2.28	<0.01	0.11	0.65	32	40	0.26	6.11	19.45	0.09	14.75	4.0	29	3.72	3.1
I075516		0.24	1.84	0.42	0.23	>10000	20	0.08	261	13.35	0.20	14.20	2.7	8	1.02	25.9
I075517		2.88	0.01	0.15	0.87	92	30	0.23	20.1	18.55	0.05	15.75	6.7	27	5.57	5.9
I075518		5.14	0.08	0.18	0.76	77	30	0.46	25.3	17.95	0.04	12.15	2.9	26	7.82	5.0
I075519		2.62	0.01	2.71	0.99	42.6	20	0.75	851	2.91	0.09	6.53	7.8	26	6.51	170.5
I075520		2.48	0.02	0.40	2.30	5.9	200	0.41	1065	0.81	0.06	8.00	3.3	43	3.18	84.0
I075521		1.56	0.02	0.74	0.96	333	150	0.22	276	0.68	0.02	1.62	11.1	22	1.00	300
I075522		4.24	0.01	0.03	0.15	<5	30	0.12	1.49	21.5	0.06	1.61	1.4	4	0.32	2.2
I075523		1.22	0.01	0.67	4.13	3.3	340	1.12	483	1.20	0.02	13.10	7.3	61	5.80	111.0
I075524		3.04	0.01	0.75	5.49	9.3	820	1.73	232	0.51	0.03	28.6	18.6	60	2.10	92.3
I075525		4.48	0.01	1.53	3.54	37.3	230	1.79	203	3.72	<0.02	26.2	15.3	21	3.92	71.7
I075526		3.66	0.01	0.43	3.05	13.0	300	0.65	159.0	0.49	0.03	16.60	5.6	26	8.19	60.0
I075527		3.90	0.01	0.26	3.90	14	940	0.96	14.95	13.25	0.06	78.1	6.4	14	27.3	15.2
I075528		3.74	0.07	0.18	2.81	185	430	1.07	10.85	14.70	0.03	43.3	6.5	15	31.5	5.1
I075529		1.74	0.08	0.20	2.79	174	440	1.03	12.05	14.65	0.05	45.5	6.2	14	31.3	5.4
I075530		2.04	0.62	0.08	0.14	820	20	0.05	38.3	13.50	0.03	4.53	0.8	1	1.45	2.2
I075531		2.10	0.06	0.01	0.15	161	30	0.06	1.98	18.75	0.03	6.41	1.0	1	1.63	1.9
I075532		0.28	2.96	0.73	0.15	1640	20	<0.05	91.9	14.50	1.50	10.35	1.6	12	0.92	28.7
I075533		3.80	5.09	0.20	0.12	866	20	<0.05	185.0	13.05	0.05	37.7	0.7	1	0.84	3.0
I075534		3.08	0.04	0.11	0.03	249	10	<0.05	3180	18.05	0.10	37.1	0.7	<1	0.29	10.0
I075535		4.38	0.07	0.25	0.03	382	10	<0.05	46.1	17.45	0.09	20.9	0.8	<1	0.36	5.8
I075536		1.56	0.02	0.12	0.02	132	10	<0.05	80.9	18.00	0.20	16.55	0.8	<1	0.41	32.9
I075537		4.60	0.08	0.11	0.04	795	10	<0.05	39.2	15.45	0.06	18.10	0.9	<1	0.20	2.6
I075538		4.08	<0.01	<0.01	0.10	<5	30	0.09	2.12	19.85	0.06	1.44	1.3	3	0.18	2.3
I075539		2.48	11.00	0.51	0.02	1400	<10	<0.05	289	11.45	0.07	6.64	0.9	<1	0.09	3.0
I075540		5.64	0.39	0.17	0.05	325	10	<0.05	43.0	18.00	0.11	15.40	0.9	<1	0.21	2.5
I075541		5.70	3.55	0.27	0.32	789	60	<0.05	101.5	13.15	0.19	8.28	1.1	3	0.59	5.1
I075542		2.62	0.29	0.10	0.10	712	30	<0.05	44.5	14.60	0.05	6.34	0.8	1	0.25	3.5
I075543		4.32	0.04	0.06	0.05	110	20	0.05	4.68	19.15	0.08	4.68	1.8	<1	0.19	3.8
I075544		5.56	0.01	0.01	0.07	19	30	0.07	1.37	20.4	0.04	4.80	1.2	<1	0.14	2.0

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10089851

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I075509		7.55	19.85	0.26	0.9	0.059	3.57	46.4	12.9	0.73	48	1.02	0.05	28.9	40.6	2320
I075510		23.3	13.45	0.59	1.4	0.046	2.45	34.1	7.9	0.32	23	2.29	0.03	13.9	71.8	1480
I075511		16.20	13.20	0.47	1.0	0.035	2.79	43.7	15.3	2.34	248	1.52	0.04	21.9	59.0	1660
I075512		4.71	7.92	0.17	0.7	0.010	1.60	17.5	11.6	10.00	974	0.79	0.01	12.7	17.1	660
I075513		6.78	3.73	0.17	0.2	0.026	0.32	1.7	4.8	5.62	641	0.40	0.01	2.7	18.9	220
I075514		5.26	4.45	0.17	0.3	1.640	0.35	5.8	3.5	8.26	3570	0.95	0.02	2.5	14.9	240
I075515		1.95	3.04	0.07	0.3	0.016	0.34	8.9	4.8	11.05	1050	0.75	0.02	3.5	8.3	210
I075516		15.50	1.81	0.37	0.2	0.101	0.10	7.1	1.9	6.95	3130	4.88	0.01	1.7	10.5	190
I075517		4.47	5.26	0.12	0.4	0.029	0.37	8.6	4.6	9.87	1680	0.53	0.03	3.0	19.8	400
I075518		4.15	4.18	0.12	0.4	0.015	0.57	6.0	6.9	11.10	1090	0.15	0.01	3.9	7.4	300
I075519		22.7	8.79	0.47	0.6	0.137	0.53	1.6	12.5	4.67	904	0.54	0.03	8.5	37.5	300
I075520		13.20	12.45	0.27	1.4	0.031	1.10	3.2	6.8	0.97	145	0.42	0.06	10.4	20.7	950
I075521		41.7	6.07	0.96	0.7	0.022	0.48	0.5	1.8	0.48	61	0.25	0.02	2.5	58.1	380
I075522		0.52	0.42	0.05	<0.1	<0.005	0.06	0.8	2.5	12.90	189	0.08	0.01	0.4	2.2	210
I075523		19.00	20.3	0.42	3.1	0.068	1.77	4.4	9.9	1.59	420	0.71	0.12	17.0	31.5	1140
I075524		17.90	29.1	0.43	2.3	0.098	2.32	13.4	12.3	0.79	376	0.54	0.11	12.0	47.8	1090
I075525		11.95	20.7	0.30	2.4	0.155	1.31	13.0	14.4	4.75	551	0.49	0.13	16.9	23.6	660
I075526		11.90	16.40	0.25	2.1	0.017	1.34	7.5	10.6	1.87	103	0.35	0.15	19.4	22.4	440
I075527		3.79	16.60	0.13	1.8	0.017	2.68	44.7	16.5	7.26	624	0.35	0.08	29.7	14.4	350
I075528		5.09	12.80	0.15	1.5	0.046	2.07	26.9	24.8	8.63	1120	0.22	0.06	26.2	15.5	630
I075529		5.09	12.85	0.16	1.5	0.047	2.06	28.5	25.6	8.93	1100	0.20	0.06	27.7	14.8	680
I075530		12.20	0.88	0.15	0.1	0.036	0.07	2.3	1.4	7.54	1120	0.08	0.01	0.6	2.1	60
I075531		3.15	0.84	<0.05	0.1	0.036	0.09	3.9	2.1	10.00	1140	0.06	0.01	0.8	0.8	60
I075532		9.68	1.41	0.23	0.1	0.049	0.07	5.0	3.8	7.97	1720	4.50	0.01	1.0	8.7	80
I075533		10.30	0.89	0.11	0.1	0.135	0.05	22.3	1.7	7.13	2790	0.08	0.01	0.5	0.7	150
I075534		5.31	0.81	0.20	<0.1	0.067	0.01	21.5	3.5	9.54	3500	0.08	0.01	0.3	<0.2	60
I075535		6.77	0.41	0.06	<0.1	0.077	0.01	11.4	2.0	9.16	3270	0.05	0.01	0.3	<0.2	70
I075536		4.41	0.40	<0.05	<0.1	0.121	0.01	8.6	2.1	9.18	3300	0.13	0.01	0.2	0.6	10
I075537		10.30	0.47	0.14	<0.1	0.085	0.01	9.6	1.1	8.49	2760	0.13	0.01	0.4	0.4	60
I075538		0.43	0.43	0.06	<0.1	<0.005	0.04	0.7	1.5	11.45	209	0.08	0.01	0.4	1.3	250
I075539		18.00	0.24	0.21	<0.1	0.075	0.01	2.8	0.7	6.28	2050	0.09	<0.01	0.4	1.4	40
I075540		6.11	0.45	<0.05	<0.1	0.088	0.01	7.8	1.7	9.50	3280	0.11	0.01	0.3	0.2	100
I075541		11.10	1.85	0.20	0.2	0.069	0.15	4.2	3.0	7.19	1760	0.23	0.01	2.0	2.8	180
I075542		8.12	0.66	0.07	0.1	0.089	0.05	2.8	1.2	7.82	2110	0.13	0.01	0.4	6.4	190
I075543		2.74	0.33	<0.05	<0.1	0.048	0.02	2.9	1.6	9.99	1180	0.16	0.01	0.4	1.3	60
I075544		0.77	0.48	<0.05	<0.1	0.018	0.03	3.4	1.7	10.95	652	0.07	<0.01	0.4	1.0	80

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Project: RAU

Finalized Date: 14-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10089851

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I075509		2.1	91.7	<0.002	8.27	0.75	18.2	2	2.2	23.8	1.65	<0.05	5.6	0.673	0.65	0.9
I075510		7.5	78.4	0.002	>10.0	1.86	16.2	2	1.6	14.2	0.70	0.06	4.2	0.376	0.43	2.4
I075511		2.8	149.5	<0.002	>10.0	0.63	13.6	2	7.1	35.9	1.18	0.25	4.7	0.489	1.30	1.5
I075512		2.0	212	<0.002	3.74	0.43	8.4	2	3.7	77.2	0.70	0.08	2.6	0.290	1.60	0.9
I075513		7.1	69.0	<0.002	4.44	4.43	7.5	2	2.8	22.4	0.12	0.68	0.5	0.053	0.75	0.3
I075514		90.8	76.7	<0.002	3.77	16.15	4.2	2	7.0	62.0	0.13	1.00	0.8	0.056	0.69	0.9
I075515		3.0	59.1	<0.002	1.81	1.06	2.7	1	0.8	61.6	0.18	0.06	0.7	0.061	0.46	1.3
I075516		8.4	16.8	0.002	>10.0	9.96	0.8	2	2.0	86.9	0.07	0.22	0.5	0.021	0.23	0.5
I075517		2.3	87.8	<0.002	4.04	1.54	4.8	2	0.8	78.2	0.15	0.06	1.0	0.057	0.72	0.8
I075518		1.9	113.0	<0.002	4.01	0.82	3.4	2	1.8	60.5	0.20	0.12	0.8	0.073	0.72	0.7
I075519		15.9	113.0	<0.002	>10.0	13.60	4.1	8	9.3	9.0	0.41	1.50	0.6	0.116	0.78	2.8
I075520		6.6	99.8	<0.002	6.90	8.83	2.8	7	6.5	17.0	0.64	1.74	3.0	0.129	0.48	2.4
I075521		3.7	42.6	<0.002	>10.0	2.50	1.1	17	1.8	7.3	0.09	1.32	0.9	0.044	0.24	1.3
I075522		1.4	3.4	<0.002	0.06	<0.05	0.4	1	<0.2	49.0	<0.05	<0.05	<0.2	0.006	<0.02	0.7
I075523		10.1	139.5	<0.002	8.36	4.10	4.7	7	10.2	27.7	1.04	1.55	6.6	0.215	0.83	5.2
I075524		7.9	141.0	<0.002	9.10	3.71	7.8	6	19.4	19.6	0.66	0.77	7.6	0.260	0.66	3.6
I075525		8.5	112.5	0.020	8.02	5.06	7.3	4	23.1	21.2	1.23	0.69	12.1	0.137	0.78	2.8
I075526		4.5	145.5	<0.002	6.69	2.32	3.3	4	5.8	23.9	1.39	0.51	11.0	0.155	0.70	3.7
I075527		2.7	256	<0.002	2.57	0.50	3.8	2	3.6	69.4	2.21	0.09	14.5	0.181	1.91	1.7
I075528		2.8	163.0	<0.002	5.25	0.80	2.8	2	1.6	77.5	1.68	0.06	7.0	0.192	1.78	1.7
I075529		2.9	160.5	<0.002	5.20	0.78	2.9	2	1.7	76.7	1.74	0.06	7.4	0.199	1.77	1.7
I075530		1.9	6.7	<0.002	>10.0	1.34	0.4	4	0.2	56.8	<0.05	0.05	<0.2	0.008	0.09	0.1
I075531		1.4	9.1	<0.002	3.25	0.75	0.3	2	<0.2	71.9	<0.05	<0.05	0.2	0.008	0.09	0.1
I075532		98.9	11.2	0.017	>10.0	4.94	1.7	4	9.7	86.6	0.08	0.08	0.5	0.008	0.44	0.2
I075533		2.6	4.4	<0.002	>10.0	5.22	0.3	3	0.3	102.0	<0.05	0.09	0.5	0.006	0.06	0.4
I075534		16.1	1.1	<0.002	4.44	128.0	0.9	5	8.8	136.5	<0.05	1.52	0.8	<0.005	0.05	0.2
I075535		3.8	1.3	<0.002	6.70	2.42	0.3	3	0.3	135.5	<0.05	0.05	0.2	<0.005	0.02	0.2
I075536		3.5	1.2	<0.002	3.27	5.45	0.6	3	0.6	126.5	<0.05	0.05	0.4	<0.005	0.04	0.1
I075537		2.9	1.2	<0.002	>10.0	2.15	0.2	3	0.2	118.5	<0.05	0.07	0.2	<0.005	0.05	0.2
I075538		1.2	1.7	<0.002	0.04	0.13	0.3	1	<0.2	47.9	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
I075539		3.9	0.5	0.002	>10.0	11.05	0.1	5	<0.2	86.7	<0.05	0.21	<0.2	<0.005	0.08	1.1
I075540		2.9	1.5	0.002	5.48	2.57	0.9	3	0.2	140.0	<0.05	<0.05	<0.2	<0.005	0.07	0.2
I075541		4.1	9.5	0.018	>10.0	5.72	1.2	5	7.7	68.2	0.11	0.06	0.6	0.020	0.40	0.5
I075542		2.8	3.3	0.002	8.58	3.13	0.5	2	0.3	90.4	<0.05	0.09	<0.2	0.005	0.09	0.1
I075543		2.3	2.6	0.002	2.55	1.01	0.5	3	0.3	72.6	<0.05	<0.05	<0.2	<0.005	0.07	0.2
I075544		1.2	2.8	<0.002	0.46	0.34	0.4	2	0.3	63.6	<0.05	<0.05	<0.2	<0.005	0.03	0.1

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 14-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10089851

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	As-OG62
	Analyte	V	W	Y	Zn	Zr	As
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
I075509		144	1.0	29.5	13	37.4	
I075510		102	0.7	21.1	7	71.2	
I075511		106	8.8	22.3	10	41.7	
I075512		54	3.2	22.4	20	32.0	
I075513		14	1.9	9.0	61	8.1	
I075514		15	2.7	11.5	364	12.1	
I075515		13	1.5	15.6	19	11.1	
I075516		8	59.7	7.4	58	7.2	2.78
I075517		20	1.5	17.9	11	17.4	
I075518		17	1.1	11.8	9	19.0	
I075519		24	10.1	6.3	27	26.9	
I075520		39	5.1	4.6	8	74.2	
I075521		17	2.7	2.3	<2	30.8	
I075522		4	0.2	1.0	15	0.8	
I075523		56	27.1	9.4	12	142.5	
I075524		83	13.3	6.2	13	98.9	
I075525		33	1680	7.8	15	103.0	
I075526		32	6.5	4.8	11	84.1	
I075527		24	11.4	10.9	24	69.9	
I075528		27	5.1	9.7	19	55.5	
I075529		27	4.8	9.3	20	58.2	
I075530		6	1.3	4.1	8	1.9	
I075531		4	2.4	3.8	8	3.4	
I075532		9	2030	5.4	347	3.0	
I075533		5	31.3	9.9	17	1.7	
I075534		3	15.5	10.2	25	0.8	
I075535		3	14.2	10.5	26	0.9	
I075536		4	83.6	14.8	46	<0.5	
I075537		4	12.1	10.2	17	0.9	
I075538		2	0.9	1.1	15	<0.5	
I075539		4	48.2	6.7	15	0.5	
I075540		8	8.9	11.3	29	1.2	
I075541		10	1950	5.8	28	7.2	
I075542		21	132.5	6.5	13	1.9	
I075543		5	58.9	4.2	26	1.2	
I075544		7	2.4	3.4	15	1.6	

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 14-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10089851

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 19-JUL-2010
Account: RCM

CERTIFICATE VA10089852

Project: RAU

P.O. No.: BATCH 30

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 3-JUL-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

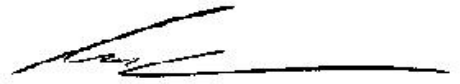
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LOG-23	Pulp Login - Rcvd with Barcode
CRU-31	Fine crushing - 70% <2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 
Colin Ramshaw, Vancouver Laboratory Manager

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Project: RAU

Finalized Date: 19-JUL-2010
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CERTIFICATE OF ANALYSIS VA10089852

Method	WEI-21	Au-AA26	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description LOR	0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
I075545	3.00	0.01	0.24	0.88	15	200	0.16	0.25	30.9	1.37	14.80	3.0	19	0.57	6.4
I075546	2.50	0.01	0.33	2.62	80	590	0.49	7.60	24.9	2.05	28.9	11.4	45	3.43	21.2
I075547	2.42	0.01	0.55	4.33	3200	960	0.98	847	0.52	0.34	95.3	53.1	277	2.21	174.0
I075548	2.20	<0.01	0.39	9.24	134.5	2000	1.69	21.9	0.95	1.20	72.5	50.9	367	6.85	174.5
I075549	4.16	0.01	0.04	0.33	20	120	0.07	0.86	34.9	0.52	7.06	2.0	7	0.32	3.3
I075550	3.58	0.01	0.05	0.38	26	170	0.08	0.36	32.4	0.56	6.58	2.2	7	0.39	2.6
I075551	2.84	<0.01	0.34	8.66	50.1	3130	1.05	0.31	1.99	0.59	87.5	48.1	300	5.03	79.9
I075552	4.28	<0.01	0.10	1.23	68	430	0.17	0.57	29.8	0.37	14.70	4.0	29	1.37	6.8
I075553	4.08	0.02	0.20	1.09	104	410	0.24	0.75	31.0	0.53	11.60	5.1	24	1.92	6.5
I075554	2.02	0.01	0.10	0.79	55	330	0.17	0.32	32.4	0.37	7.61	2.9	15	0.80	3.8
I075555	5.54	0.02	0.18	0.44	168	190	0.09	0.60	34.2	0.52	8.72	2.5	9	0.99	5.8
I075556	5.08	0.66	3.35	0.83	5870	650	<0.05	731	5.34	5.04	9.38	3.3	22	0.93	12.1
I075557	4.52	1.23	7.35	0.20	6210	380	<0.05	799	0.32	3.26	2.02	2.1	20	0.09	10.9
I075558	3.86	0.65	6.78	0.13	5460	900	<0.05	942	0.22	2.10	2.23	1.5	12	<0.05	11.4
I075559	2.94	1.88	6.05	0.06	5340	2370	<0.05	311	0.28	3.78	3.37	1.8	18	<0.05	8.8
I075560	0.26	1.44	0.58	4.63	84.6	90	1.13	1.93	0.96	0.12	14.30	22.5	148	26.2	451
I075561	5.16	0.80	7.28	0.06	8360	440	<0.05	699	0.69	6.97	8.09	1.4	7	0.11	18.3
I075562	6.58	1.02	8.67	0.09	8460	620	<0.05	511	0.31	7.15	3.83	1.3	13	0.17	24.3
I075563	6.64	<0.01	0.01	0.05	37	10	<0.05	1.08	20.0	0.07	1.12	1.2	<1	0.13	3.0
I075564	1.42	1.09	7.29	0.06	>10000	550	<0.05	458	0.49	3.45	4.49	1.5	7	0.07	18.0
I075565	2.70	3.19	2.85	0.05	>10000	700	<0.05	616	0.87	9.30	6.59	0.7	18	<0.05	36.8
I075566	4.46	1.69	1.70	0.07	>10000	470	0.12	326	0.75	4.00	7.92	1.7	13	0.10	8.6
I075567	2.84	1.92	1.21	0.32	>10000	430	0.08	508	0.57	1.73	6.81	1.4	23	0.66	14.5
I075568	3.26	1.35	0.66	0.26	>10000	410	<0.05	570	0.78	0.99	5.76	1.7	17	0.21	8.7
I075569	0.26	8.45	23.6	5.02	17.4	30	1.66	1.37	1.38	0.05	5.88	8.6	39	60.6	18.7
I075570	4.18	0.72	1.08	0.65	>10000	450	0.61	604	3.43	1.72	14.60	4.3	25	1.19	15.8
I075571	4.16	0.23	1.03	3.98	6280	850	1.41	180.0	0.89	7.26	38.6	18.1	94	5.77	40.2
I075572	4.14	0.17	1.61	2.79	3640	950	1.19	138.5	0.73	11.40	34.4	12.0	54	4.27	36.6
I075573	0.66	0.19	2.74	0.67	1165	230	0.28	168.0	0.13	2.61	5.72	3.5	35	1.61	12.7
I075574	1.74	0.96	16.50	0.50	5150	230	0.22	320	0.24	2.19	10.30	4.8	26	1.04	14.5
I075575	6.62	<0.01	0.02	0.06	8	10	0.13	0.45	20.2	0.17	1.29	1.7	3	0.13	3.4
I075576	4.44	1.17	2.76	0.35	5190	120	0.09	527	0.19	1.75	4.25	3.7	21	0.23	7.2
I075577	4.58	1.43	20.4	0.13	8720	840	<0.05	488	0.26	0.76	4.82	1.8	27	0.10	4.6
I075578	5.94	10.75	23.0	0.48	8040	980	<0.05	650	0.24	0.93	3.21	2.7	16	0.39	6.8
I075579	4.78	1.08	8.14	0.34	>10000	1010	<0.05	825	0.27	3.09	4.83	2.5	8	0.22	14.8
I075580	4.02	1.28	9.77	0.34	>10000	2820	<0.05	663	0.47	7.17	5.31	2.9	8	0.30	26.1

***** See Appendix Page for comments regarding this certificate *****

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10089852

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I075545		0.92	2.11	<0.05	0.3	0.013	0.39	9.5	2.7	0.30	339	0.42	0.02	4.5	5.6	90
I075546		2.84	6.66	<0.05	1.1	0.060	0.95	16.7	11.2	0.59	1140	0.95	0.02	12.0	39.9	300
I075547		33.0	15.45	0.62	1.0	0.033	1.63	59.4	10.1	0.47	1390	10.95	0.09	8.7	240	1160
I075548		8.16	30.2	0.20	2.7	0.081	3.76	46.7	24.0	1.89	1470	1.67	0.13	20.3	317	1910
I075549		0.43	1.01	<0.05	0.2	0.006	0.13	6.3	0.8	0.20	252	0.19	0.01	2.0	3.6	80
I075550		0.45	1.09	<0.05	0.2	0.010	0.15	5.7	0.8	0.19	251	0.12	0.02	2.1	7.0	140
I075551		9.23	28.6	0.28	0.9	0.086	4.20	45.0	13.0	0.97	335	1.40	0.10	26.8	233	2130
I075552		0.85	3.56	<0.05	0.3	0.018	0.55	8.5	2.7	0.26	373	0.17	0.02	7.4	19.3	280
I075553		0.96	3.10	<0.05	0.4	0.018	0.46	7.9	3.0	0.32	370	0.21	0.02	6.2	15.0	280
I075554		0.67	2.22	<0.05	0.3	0.012	0.34	5.9	1.7	0.25	255	0.16	0.02	4.8	9.2	230
I075555		0.76	1.15	<0.05	0.2	0.010	0.15	6.6	2.1	0.45	337	0.25	0.01	2.6	9.1	90
I075556		41.3	4.54	0.80	0.5	0.024	0.32	6.5	3.6	0.21	412	7.01	0.02	4.6	15.2	860
I075557		>50	1.70	0.85	0.2	0.019	0.02	1.1	0.5	0.13	264	9.64	0.01	2.3	10.3	1120
I075558		>50	1.09	0.83	0.3	0.019	0.01	1.0	0.5	0.14	160	14.25	0.01	0.8	7.6	410
I075559		>50	0.59	1.25	<0.1	0.108	0.01	1.4	0.2	0.10	132	9.10	0.01	1.4	5.4	460
I075560		1.95	13.95	0.07	1.5	0.043	3.44	7.9	8.0	0.35	283	5.08	1.16	2.5	471	430
I075561		46.9	0.70	0.77	<0.1	0.105	0.03	3.5	0.4	0.14	214	7.38	0.01	0.6	4.8	350
I075562		>50	0.77	0.89	<0.1	0.045	0.04	1.7	0.5	0.12	180	5.96	0.01	0.6	6.1	410
I075563		0.51	0.26	0.06	<0.1	<0.005	0.02	0.5	0.7	11.45	187	0.21	0.01	0.3	1.3	170
I075564		48.8	0.48	1.10	<0.1	0.055	0.02	1.8	0.2	0.13	259	4.63	0.01	1.3	5.2	360
I075565		47.9	0.65	0.87	<0.1	0.144	0.01	2.5	0.4	0.07	166	4.49	0.01	0.5	4.4	280
I075566		>50	0.83	1.31	<0.1	0.192	0.02	3.0	0.3	0.14	648	5.16	0.01	1.2	7.1	350
I075567		>50	1.87	1.18	0.2	0.132	0.11	2.7	1.6	0.19	976	5.00	0.01	1.4	8.0	360
I075568		48.3	1.36	1.18	0.1	0.169	0.05	2.3	1.2	0.12	769	3.64	0.01	1.1	8.7	230
I075569		2.10	14.70	0.11	0.9	0.021	3.48	2.5	20.3	0.63	305	17.25	1.15	2.0	16.6	630
I075570		38.2	3.04	1.24	0.4	0.113	0.22	8.5	3.9	0.61	1830	4.00	0.01	3.0	19.9	420
I075571		27.5	17.15	0.97	1.9	0.157	0.76	21.1	19.3	2.20	3370	2.75	0.05	6.7	78.0	1050
I075572		31.2	12.80	1.22	1.2	0.221	0.58	21.0	15.7	1.70	5240	2.77	0.03	4.4	64.1	1120
I075573		12.25	2.56	0.25	0.2	0.027	0.20	3.8	4.7	0.26	685	1.18	0.02	1.1	20.6	250
I075574		31.8	2.79	0.78	0.3	0.091	0.09	4.9	1.6	1.28	1000	4.37	0.02	1.3	21.4	500
I075575		0.48	0.21	<0.05	<0.1	0.008	0.02	0.6	0.9	12.05	196	0.14	0.01	0.3	23.4	170
I075576		31.3	2.70	0.41	0.4	0.026	0.03	2.3	0.7	0.43	341	5.30	0.03	1.2	16.5	430
I075577		>50	0.92	0.67	0.1	0.022	0.04	2.6	0.3	0.13	153	7.72	0.02	0.8	8.3	380
I075578		>50	4.79	0.69	0.4	0.028	0.12	1.5	0.6	0.20	268	6.61	0.03	3.0	13.6	200
I075579		>50	2.59	0.67	0.2	0.097	0.12	2.0	0.8	0.10	343	9.42	0.02	1.8	11.0	160
I075580		>50	2.46	0.67	0.2	0.087	0.09	2.4	0.9	0.10	244	6.56	0.04	0.9	12.7	190

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 19-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10089852

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I075545		7.2	15.1	<0.002	0.01	0.41	2.9	2	0.3	69.4	0.22	<0.05	0.8	0.093	0.22	0.5
I075546		86.3	49.2	0.002	<0.01	2.27	6.3	2	1.8	126.0	0.67	0.05	2.7	0.248	0.85	1.0
I075547		18.3	59.9	<0.002	0.02	5.93	18.3	3	8.7	18.7	0.47	1.28	2.5	0.214	0.77	3.2
I075548		24.0	154.5	0.002	0.01	1.40	29.5	2	7.6	32.2	1.19	0.18	5.7	0.848	1.84	1.8
I075549		4.5	5.7	<0.002	<0.01	0.43	1.2	2	0.3	195.5	0.10	<0.05	0.4	0.043	0.07	0.2
I075550		4.0	5.7	<0.002	<0.01	0.44	1.3	2	0.2	167.0	0.10	<0.05	0.4	0.047	0.14	0.2
I075551		6.5	118.5	0.005	0.02	2.55	26.0	3	2.0	26.7	1.43	<0.05	7.6	0.508	3.96	1.0
I075552		8.5	21.0	<0.002	0.01	0.43	3.1	2	0.4	268	0.37	<0.05	0.9	0.141	0.36	0.2
I075553		15.5	19.8	<0.002	0.01	0.53	3.0	2	0.5	141.5	0.32	<0.05	0.9	0.135	0.33	0.3
I075554		5.6	12.6	0.002	0.01	0.28	2.2	2	0.3	143.0	0.25	<0.05	0.6	0.102	0.18	0.2
I075555		17.1	7.7	<0.002	0.04	0.75	1.5	2	0.3	111.0	0.13	<0.05	0.5	0.049	0.11	0.2
I075556		21.9	15.3	<0.002	0.03	17.30	2.3	4	5.5	27.1	0.25	1.13	1.9	0.053	0.19	2.4
I075557		33.2	2.1	<0.002	0.08	16.55	1.3	4	8.5	8.0	<0.05	1.13	0.4	0.007	0.04	3.4
I075558		214	0.6	<0.002	0.05	12.25	1.3	3	7.8	7.4	<0.05	1.67	0.2	0.005	0.02	3.0
I075559		267	0.6	0.005	0.08	5.77	0.8	3	0.7	8.2	<0.05	0.77	<0.2	<0.005	0.03	2.5
I075560		169.0	890	0.002	0.29	2.47	3.3	1	3.0	51.6	1.86	0.17	2.1	0.080	8.09	0.7
I075561		134.0	2.0	<0.002	0.04	14.85	1.2	9	5.2	8.1	<0.05	1.75	0.2	<0.005	0.04	2.3
I075562		191.0	1.6	<0.002	0.05	8.91	1.0	7	5.0	9.1	<0.05	0.79	0.2	0.006	0.05	1.9
I075563		1.5	1.1	<0.002	0.01	<0.05	0.2	2	<0.2	45.3	<0.05	<0.05	0.2	<0.005	<0.02	1.0
I075564		103.0	0.7	0.003	0.04	9.57	0.6	4	0.2	7.4	<0.05	0.66	<0.2	<0.005	0.03	1.8
I075565		197.5	0.5	<0.002	0.04	19.05	1.9	5	7.6	17.1	<0.05	1.59	<0.2	<0.005	0.06	3.6
I075566		99.5	0.9	0.005	0.04	13.25	1.6	5	0.3	10.5	<0.05	0.82	<0.2	<0.005	0.10	3.2
I075567		50.4	6.7	0.006	0.07	16.10	1.5	9	8.5	14.4	<0.05	0.82	0.4	0.022	0.12	2.2
I075568		32.4	2.6	0.006	0.04	14.45	0.8	6	8.3	12.7	<0.05	0.82	0.2	0.013	0.16	2.4
I075569		5.8	1480	<0.002	0.03	0.92	7.0	2	1.0	57.6	0.28	<0.05	0.5	0.249	14.15	0.2
I075570		25.1	17.1	0.003	0.03	18.80	2.6	5	9.1	13.9	0.10	0.72	0.7	0.050	0.31	3.7
I075571		161.0	59.4	0.002	0.02	13.35	9.7	4	3.3	15.5	0.34	0.54	5.4	0.281	1.47	2.8
I075572		110.5	44.2	0.003	0.02	10.65	9.3	5	2.4	11.1	0.20	0.42	3.0	0.178	1.47	2.3
I075573		36.0	14.1	<0.002	0.01	5.36	1.9	3	0.7	4.7	<0.05	0.21	0.7	0.040	0.23	0.6
I075574		43.0	6.0	0.002	0.06	11.85	2.8	4	0.7	5.1	<0.05	0.54	0.7	0.024	0.14	1.9
I075575		1.6	1.1	<0.002	0.01	<0.05	0.3	2	<0.2	44.6	<0.05	<0.05	<0.2	<0.005	<0.02	0.7
I075576		25.6	2.2	<0.002	0.02	11.05	1.3	3	1.3	7.8	<0.05	0.80	0.4	0.011	0.05	2.3
I075577		81.3	1.2	<0.002	0.28	6.83	0.8	3	0.3	7.6	<0.05	0.70	0.3	0.010	0.03	2.5
I075578		57.3	12.6	<0.002	0.91	9.84	1.3	4	1.7	11.4	0.08	0.73	1.2	0.027	0.10	2.4
I075579		397	7.1	<0.002	0.09	17.50	2.4	7	1.9	10.2	0.05	0.76	0.5	0.016	0.08	2.8
I075580		340	5.5	<0.002	0.12	16.45	1.7	7	1.7	17.2	<0.05	0.78	0.7	0.018	0.09	2.3

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 19-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10089852

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	As-OG62
	Analyte	V	W	Y	Zn	Zr	As
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
I075545		13	0.7	7.7	73	13.2	
I075546		38	2.9	13.4	559	41.4	
I075547		130	141.0	16.0	104	54.7	
I075548		226	6.6	20.4	262	103.5	
I075549		6	0.6	5.7	51	6.3	
I075550		6	0.7	5.4	71	7.8	
I075551		163	1.8	18.8	71	37.5	
I075552		19	0.8	10.1	97	13.1	
I075553		17	1.2	7.0	169	15.6	
I075554		12	0.7	6.0	72	11.3	
I075555		8	0.9	5.8	174	7.6	
I075556		31	21.9	8.9	382	21.2	
I075557		9	26.1	4.4	317	8.7	
I075558		5	67.9	3.2	509	11.7	
I075559		4	17.4	3.6	1860	1.5	
I075560		20	8.9	3.6	140	57.1	
I075561		5	142.5	7.8	944	0.7	
I075562		4	94.8	4.1	1360	1.2	
I075563		1	0.5	0.8	19	<0.5	
I075564		6	85.0	3.8	654	<0.5	1.165
I075565		14	142.5	4.9	695	<0.5	3.21
I075566		10	270	7.3	494	0.5	2.40
I075567		16	221	8.9	251	4.2	1.730
I075568		10	349	6.6	269	2.0	2.66
I075569		54	0.5	8.3	28	32.3	
I075570		27	266	13.0	230	16.8	1.675
I075571		82	77.4	25.5	1440	75.8	
I075572		64	29.1	31.3	1900	46.9	
I075573		15	12.4	5.3	338	8.7	
I075574		16	56.7	13.4	579	12.2	
I075575		1	0.2	0.9	23	<0.5	
I075576		10	19.6	6.3	292	10.9	
I075577		6	6.1	3.2	219	5.4	
I075578		12	22.1	4.6	306	26.2	
I075579		11	4.4	7.3	1780	7.3	1.055
I075580		12	33.5	6.1	1560	8.7	1.895

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 19-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10089852

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 19-JUL-2010
Account: RCM

CERTIFICATE VA10089853

Project: RAU

P.O. No.: Batch # 28

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 3-JUL-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

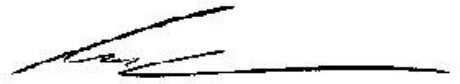
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LOG-24	Pulp Login - Rcd w/o Barcode
CRU-31	Fine crushing - 70% <2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 
Colin Ramshaw, Vancouver Laboratory Manager

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Project: RAU

Finalized Date: 19-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10089853

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA26 Au ppm 0.01	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
I075473		5.14	4.07	0.35	0.34	>10000	40	0.12	211	12.25	0.05	13.05	0.9	7	1.83	10.4
I075474		2.84	4.40	0.27	0.10	>10000	10	0.07	167.5	9.33	0.05	11.85	0.6	2	0.21	7.1
I075475		4.20	0.02	0.02	0.09	76	20	0.05	1.29	21.1	0.06	1.55	1.0	1	0.21	1.8
I075476		4.64	0.07	1.24	4.18	201	410	1.02	7.37	16.95	16.35	12.30	48.2	102	10.55	55.8
I075477		2.40	0.01	0.57	8.18	139.5	1570	1.72	0.63	6.98	4.63	34.2	35.8	280	18.70	28.5
I075478		5.70	0.01	1.49	7.82	116.5	1440	1.81	2.10	6.35	22.7	22.4	18.8	228	9.25	27.2
I075479		3.98	<0.01	0.18	7.21	31.9	2310	1.69	0.20	8.24	1.79	28.4	23.5	216	17.30	8.1
I075480		5.52	<0.01	0.09	0.14	5	30	0.12	26.2	20.4	0.13	8.00	1.0	4	1.63	3.4
I075481		5.94	0.02	0.44	0.15	7	20	<0.05	129.0	12.80	0.04	28.0	1.5	3	2.09	49.9
I075482		2.18	0.16	0.26	0.22	164	120	0.16	20.4	18.30	0.12	3.38	1.5	7	0.40	3.8
I075483		1.44	0.03	0.13	0.11	39	170	0.12	3.10	20.4	0.13	2.90	0.8	6	0.29	1.8
I075484		1.78	0.10	0.93	0.15	170	180	0.16	9.25	17.75	1.93	3.22	1.0	3	0.36	8.8
I075485		10.90	<0.01	0.06	2.39	14	520	0.62	0.23	26.9	0.11	31.1	11.5	45	1.73	9.8
I075486		8.60	<0.01	0.05	3.25	9	1170	0.67	0.07	24.4	0.20	37.2	16.1	59	2.50	14.5
I075487		2.90	<0.01	0.15	7.15	30	5470	0.93	0.10	12.85	0.22	39.7	33.4	132	3.39	53.8
I075488		2.70	<0.01	0.18	9.98	29.8	9360	1.23	0.07	1.03	0.26	40.8	41.2	253	4.46	128.5
I075489		0.26	1.38	0.62	5.10	77.2	100	1.28	1.40	0.99	0.12	15.90	22.0	161	25.3	457
I075490		4.06	<0.01	0.15	9.16	5.0	9800	1.92	0.05	0.57	0.17	116.0	25.2	381	6.85	123.5
I075491		4.34	0.01	0.26	8.55	43.7	9060	1.57	0.51	2.88	0.39	58.3	32.1	255	6.25	63.9
I075492		11.50	<0.01	0.01	0.19	10	70	0.09	0.11	36.8	0.15	3.70	1.0	3	0.15	2.4
I075493		11.12	<0.01	0.03	0.38	5	130	0.14	0.11	37.0	0.16	5.16	2.4	8	0.34	2.4
I075494		5.62	<0.01	0.02	0.30	6	100	0.11	0.05	35.5	0.24	5.20	2.4	6	0.29	2.4
I075495		4.18	<0.01	0.09	1.88	9	1920	0.39	2.08	27.4	0.21	37.8	13.9	76	1.56	22.4
I075496		7.22	<0.01	<0.01	0.07	<5	20	0.08	0.05	20.6	0.07	1.59	1.8	2	0.22	2.1
I075497		5.80	0.01	0.05	0.59	<5	730	0.19	0.08	17.30	0.51	10.30	3.9	20	0.55	11.9
I075498		4.66	0.01	0.11	4.96	13	5840	0.94	3.08	15.10	0.17	57.4	33.8	129	4.91	54.6
I075499		5.22	0.01	0.07	6.99	<5	7820	1.25	0.38	10.45	0.07	72.7	37.3	252	9.21	60.7
I075500		0.26	8.55	20.9	5.07	6.9	50	1.28	1.27	1.40	0.03	6.09	8.2	38	61.6	16.6
I075501		3.56	0.01	0.08	5.53	<5	4340	0.62	0.13	11.50	0.05	68.9	40.7	194	11.30	36.9
I075502		5.78	0.01	0.07	6.33	<5	4490	0.85	0.03	10.90	0.06	53.7	45.1	221	10.05	57.4
I075503		5.92	0.01	0.04	1.10	13	400	0.23	0.07	31.7	0.13	7.50	11.6	33	0.80	11.3
I075504		9.42	<0.01	<0.01	2.25	10	620	0.40	0.17	28.3	0.07	18.20	10.5	69	1.56	15.4
I075505		5.66	0.01	0.14	2.07	24	920	0.65	0.03	17.60	0.06	29.3	6.2	48	3.14	10.1
I075506		4.38	0.01	0.09	2.21	37	340	0.55	0.07	16.00	0.06	42.1	13.3	46	3.19	28.8
I075507		3.88	0.01	0.01	5.68	55.5	170	1.18	0.32	8.79	0.04	96.7	24.6	103	15.90	8.0
I075508		3.76	0.01	<0.01	7.16	83.9	870	1.62	0.75	2.82	0.05	133.5	56.8	391	9.74	8.3

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Project: RAU

Finalized Date: 19-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10089853

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I075473		17.60	1.94	0.15	0.1	0.069	0.15	6.3	2.6	6.85	2420	0.24	0.02	0.6	3.6	30
I075474		22.7	0.71	0.29	0.1	0.064	0.03	6.0	1.2	4.75	2130	0.13	0.01	0.3	1.5	30
I075475		0.49	0.23	<0.05	<0.1	<0.005	0.03	0.7	1.2	12.85	212	0.10	0.01	0.3	3.1	210
I075476		5.41	12.30	<0.05	0.8	0.076	1.94	6.0	12.3	1.96	1780	2.08	0.05	3.4	85.9	360
I075477		4.68	23.4	0.06	0.2	0.089	4.68	17.1	33.5	2.20	725	0.21	0.07	10.7	166.5	830
I075478		4.85	21.0	0.05	0.3	0.088	4.02	11.2	22.0	2.26	1870	0.16	0.05	10.2	162.5	770
I075479		6.61	16.65	<0.05	0.2	0.077	3.36	14.7	11.9	2.33	1330	0.26	0.05	12.3	161.5	730
I075480		0.89	0.87	<0.05	<0.1	0.012	0.11	4.2	4.3	12.25	742	0.14	0.02	0.3	4.7	30
I075481		13.80	1.20	<0.05	<0.1	0.028	0.13	19.4	3.0	10.55	546	0.15	0.01	0.3	3.5	30
I075482		6.47	0.80	<0.05	0.1	0.008	0.09	2.5	2.3	10.95	346	3.61	0.01	0.5	8.6	10
I075483		0.91	0.43	<0.05	<0.1	0.006	0.04	2.3	2.5	12.40	350	3.25	0.01	0.3	6.5	10
I075484		5.45	0.57	<0.05	0.1	0.020	0.06	2.1	2.4	10.55	560	2.41	0.01	0.4	5.3	20
I075485		2.17	5.99	<0.05	0.8	0.027	1.18	18.7	12.1	1.51	364	0.66	0.03	14.1	31.6	420
I075486		3.08	7.60	<0.05	0.6	0.036	1.57	20.9	15.0	1.52	464	0.57	0.04	16.4	43.9	610
I075487		5.30	16.20	<0.05	0.7	0.057	3.44	20.1	24.8	0.82	551	1.70	0.09	8.4	132.5	660
I075488		8.53	24.2	0.08	0.4	0.096	4.61	16.7	33.4	0.99	241	2.71	0.24	5.3	201	1410
I075489		1.92	13.75	<0.05	1.4	0.043	3.55	8.8	7.3	0.39	295	5.04	1.20	2.7	450	450
I075490		7.15	25.0	0.15	1.4	0.087	4.62	50.8	33.4	1.86	280	1.67	0.10	19.6	223	2910
I075491		8.29	21.2	0.10	3.0	0.078	4.22	29.5	27.5	1.30	251	5.13	0.10	30.3	150.5	2110
I075492		0.37	0.46	<0.05	0.1	0.023	0.08	3.5	0.7	0.53	272	0.22	0.01	1.0	3.9	90
I075493		0.44	1.02	<0.05	0.2	<0.005	0.18	4.7	1.6	1.35	201	0.21	0.01	2.4	8.1	180
I075494		0.41	0.88	<0.05	0.2	0.005	0.14	4.7	1.5	1.25	195	0.15	0.01	2.1	8.2	150
I075495		2.27	4.86	0.11	1.0	0.017	0.96	22.9	6.9	2.02	666	1.16	0.05	13.8	45.5	700
I075496		0.41	0.39	<0.05	<0.1	<0.005	0.04	0.8	1.0	12.20	179	0.15	0.01	0.5	4.2	220
I075497		0.71	1.53	0.05	0.3	0.014	0.29	5.5	3.6	9.28	344	1.05	0.03	2.4	13.6	270
I075498		4.36	12.20	0.19	1.8	0.038	2.44	29.4	15.3	2.59	557	4.57	0.15	22.1	120.0	1300
I075499		5.13	17.55	0.23	1.1	0.068	3.48	37.7	23.6	1.95	628	0.83	0.20	34.1	189.0	1770
I075500		2.02	13.90	0.11	0.9	0.020	3.43	2.6	17.1	0.63	285	15.80	1.18	1.9	13.1	670
I075501		6.24	13.80	0.23	1.2	0.045	2.82	36.2	32.9	3.00	1040	0.69	0.14	30.5	180.0	1680
I075502		6.41	16.10	0.25	0.7	0.066	3.28	26.7	25.4	1.93	725	0.78	0.16	26.7	194.0	1420
I075503		1.63	2.88	<0.05	0.2	0.014	0.58	4.2	4.4	0.57	368	0.62	0.01	2.6	26.7	160
I075504		1.56	5.57	<0.05	0.5	0.021	1.18	9.1	7.9	0.80	290	0.75	0.02	11.5	46.4	350
I075505		1.65	5.08	0.06	1.0	0.013	1.06	14.1	10.3	9.04	434	0.98	0.03	12.4	15.4	710
I075506		2.16	6.31	0.05	1.2	0.033	1.11	19.3	16.3	9.25	445	0.97	0.02	16.0	23.2	830
I075507		4.47	14.60	0.18	2.4	0.016	3.24	45.0	45.4	5.83	282	1.96	0.08	30.5	44.8	2510
I075508		6.32	21.1	0.30	3.4	0.046	3.76	62.0	34.2	2.34	106	2.43	0.07	43.8	86.5	2110

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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Project: RAU

Finalized Date: 19-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10089853

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I075473		5.4	21.0	<0.002	>10.0	5.97	1.0	3	0.6	67.1	<0.05	0.21	0.5	0.016	0.22	0.8
I075474		6.5	4.1	<0.002	>10.0	15.55	0.2	2	0.5	49.8	<0.05	0.16	0.3	0.005	0.21	0.9
I075475		1.5	1.9	<0.002	0.06	0.06	0.4	1	<0.2	43.2	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
I075476		558	141.5	<0.002	4.25	9.19	10.4	1	5.1	165.0	0.18	<0.05	1.4	0.257	1.70	1.5
I075477		291	196.0	<0.002	1.80	9.63	25.6	1	13.1	52.6	0.52	0.07	2.0	0.569	1.94	0.5
I075478		975	215	<0.002	1.82	22.4	22.9	2	11.9	31.5	0.52	0.09	1.8	0.529	1.65	0.6
I075479		71.7	281	<0.002	0.53	8.40	20.6	1	9.9	56.6	0.61	<0.05	1.8	0.680	1.98	0.4
I075480		6.2	25.3	<0.002	0.53	0.35	0.8	1	0.5	79.8	<0.05	0.06	0.2	0.008	0.12	0.6
I075481		3.5	37.3	<0.002	6.78	0.99	0.6	2	0.4	47.6	<0.05	0.28	0.4	0.006	0.14	0.4
I075482		8.7	6.9	<0.002	8.65	2.16	0.5	7	0.5	36.9	<0.05	<0.05	0.3	0.011	0.16	0.8
I075483		14.1	4.4	<0.002	1.09	0.64	0.5	2	0.3	45.5	<0.05	<0.05	0.3	0.006	0.13	0.7
I075484		150.5	6.3	<0.002	6.83	2.76	0.6	6	0.5	48.8	<0.05	<0.05	0.2	0.006	0.12	1.0
I075485		3.2	53.3	<0.002	0.02	0.18	5.7	1	0.6	706	0.79	<0.05	2.3	0.350	0.36	0.7
I075486		2.7	53.5	<0.002	0.01	0.13	7.4	1	0.8	597	0.94	<0.05	2.6	0.430	0.62	0.7
I075487		10.2	96.7	<0.002	0.02	0.82	16.6	1	1.5	161.0	0.49	<0.05	3.7	0.453	1.18	0.8
I075488		8.6	125.0	<0.002	0.03	0.82	27.4	1	1.7	33.9	0.27	<0.05	2.5	0.414	1.66	1.4
I075489		168.5	920	<0.002	0.30	2.55	3.2	1	3.1	47.2	2.33	0.18	2.3	0.082	7.75	0.8
I075490		1.7	102.0	<0.002	0.08	0.22	26.1	2	2.3	40.3	1.04	<0.05	8.1	0.509	2.07	2.1
I075491		16.3	127.5	<0.002	0.27	1.89	20.3	2	2.1	106.5	1.65	<0.05	6.5	0.853	2.17	4.7
I075492		2.6	4.4	<0.002	0.27	0.13	0.6	1	0.3	136.0	0.05	<0.05	0.2	0.022	0.02	0.2
I075493		2.2	8.9	0.002	0.36	0.28	1.2	3	0.2	128.0	0.14	0.12	0.4	0.051	0.05	0.2
I075494		2.2	7.1	<0.002	0.34	0.26	1.1	3	<0.2	127.0	0.11	0.06	0.4	0.039	0.04	0.2
I075495		6.9	35.0	0.004	0.03	0.46	5.8	3	0.6	346	0.77	0.07	2.3	0.327	1.12	1.5
I075496		1.3	1.7	<0.002	0.02	<0.05	0.4	2	<0.2	47.1	<0.05	<0.05	<0.2	0.006	<0.02	0.5
I075497		1.4	11.3	<0.002	0.01	<0.05	1.1	2	0.2	199.5	0.12	<0.05	0.6	0.072	0.14	2.3
I075498		5.8	84.3	0.010	0.03	0.50	12.9	3	1.3	148.0	1.19	0.08	4.5	0.524	1.12	3.8
I075499		1.2	133.5	0.010	0.03	0.11	22.3	3	1.9	93.8	1.99	<0.05	5.2	0.904	1.77	1.0
I075500		5.8	1460	<0.002	0.03	0.83	6.8	2	1.0	55.7	0.22	<0.05	0.6	0.243	13.80	0.3
I075501		1.2	113.5	0.008	0.02	0.07	16.1	2	1.2	77.3	1.73	<0.05	5.8	0.627	1.61	1.2
I075502		2.0	142.0	0.007	0.02	0.08	22.2	3	1.3	78.6	1.62	<0.05	3.5	0.903	1.64	0.7
I075503		2.1	18.3	0.002	0.01	0.13	4.1	1	0.2	272	0.12	<0.05	0.4	0.106	0.26	0.3
I075504		1.6	32.9	0.002	0.02	0.34	7.9	1	0.4	221	0.66	<0.05	1.3	0.337	0.46	0.5
I075505		3.6	29.6	<0.002	1.78	2.15	3.3	1	0.5	70.5	0.70	<0.05	2.1	0.183	0.42	1.0
I075506		3.2	29.7	0.002	2.62	3.52	4.9	1	0.5	72.2	0.86	<0.05	2.8	0.219	0.52	1.3
I075507		2.3	114.0	0.003	5.25	0.78	12.3	1	1.3	70.9	1.59	<0.05	5.1	0.450	1.33	2.7
I075508		2.1	124.5	0.003	7.31	1.08	21.6	2	2.3	34.7	2.27	0.07	7.2	0.759	1.14	6.4

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
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Project: RAU

Finalized Date: 19-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10089853

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	As-OG62
	Analyte	V	W	Y	Zn	Zr	As
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
I075473		7	68.2	6.8	11	4.7	0.973
I075474		2	162.5	3.6	10	1.9	6.02
I075475		1	0.5	1.0	15	<0.5	
I075476		62	11.4	7.7	3490	29.7	
I075477		94	7.2	18.2	954	7.4	
I075478		97	9.1	13.0	4670	9.1	
I075479		110	6.1	17.8	381	2.5	
I075480		9	0.6	5.5	26	1.1	
I075481		9	126.0	2.7	10	0.8	
I075482		7	4.8	2.5	37	2.9	
I075483		7	2.8	2.7	31	1.7	
I075484		8	2.8	2.7	398	2.1	
I075485		50	0.4	12.5	39	34.4	
I075486		64	0.4	14.0	51	24.4	
I075487		111	0.5	19.2	49	22.2	
I075488		192	0.4	18.8	119	13.2	
I075489		21	8.8	3.9	135	52.8	
I075490		183	0.6	24.6	74	54.0	
I075491		201	1.0	15.2	115	113.5	
I075492		3	0.1	4.1	15	4.4	
I075493		11	0.3	5.4	28	9.1	
I075494		9	0.3	5.1	40	8.5	
I075495		55	0.5	21.0	30	44.2	
I075496		4	0.1	1.0	14	0.5	
I075497		29	0.2	3.4	53	11.7	
I075498		133	0.8	20.4	40	79.5	
I075499		203	0.7	20.3	39	46.1	
I075500		53	0.3	7.9	25	32.5	
I075501		131	0.3	17.6	86	58.6	
I075502		211	0.5	16.9	89	34.5	
I075503		26	0.2	4.8	40	5.9	
I075504		38	0.6	6.8	17	15.0	
I075505		23	0.6	10.7	16	48.5	
I075506		32	0.4	16.3	17	45.4	
I075507		69	0.6	38.3	27	83.3	
I075508		168	1.0	42.7	18	123.5	

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
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Project: RAU

Finalized Date: 19-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10089853

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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VANCOUVER BC V6B 1L8

Finalized Date: 19-JUL-2010
Account: RCM

CERTIFICATE VA10089854

Project: RAU

P.O. No.: Batch #27

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 3-JUL-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

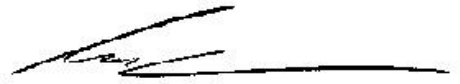
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LOG-24	Pulp Login - Rcd w/o Barcode
CRU-31	Fine crushing - 70% <2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 
Colin Ramshaw, Vancouver Laboratory Manager

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Project: RAU

Finalized Date: 19-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10089854

Method	WEI-21	Au-AA26	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description LOR	0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
I075437	5.30	0.01	0.31	0.32	180	100	0.17	2.04	20.1	1.06	5.51	1.1	5	0.41	2.3
I075438	1.50	0.69	1.40	1.07	1210	610	0.42	82.7	23.8	1.59	7.26	2.9	12	0.54	7.6
I075439	4.66	0.11	2.98	0.19	955	430	0.09	92.4	28.0	3.91	6.77	1.5	1	0.09	5.7
I075440	3.84	0.39	3.48	1.41	1740	1090	0.53	376	21.5	4.77	10.45	5.4	14	0.91	7.0
I075441	0.78	0.04	3.06	0.15	227	440	0.19	993	24.3	2.24	28.0	1.6	1	0.28	6.5
I075442	7.82	0.03	0.84	0.10	31	50	0.06	105.0	32.5	0.37	3.37	0.8	2	0.09	2.0
I075443	5.26	0.06	0.18	0.06	412	230	0.13	1.91	20.4	0.74	3.87	1.6	1	0.14	6.0
I075444	5.74	0.03	0.09	0.61	48	190	0.32	0.51	23.2	0.42	7.76	2.0	7	0.71	2.5
I075445	0.26	1.27	0.60	4.89	72.0	80	1.18	1.28	1.00	0.11	13.75	22.9	151	25.9	444
I075446	9.00	0.02	0.07	0.43	22	140	0.24	0.62	28.2	0.44	5.47	1.4	7	0.38	2.2
I075447	1.82	1.46	2.13	1.16	>10000	9720	0.41	5.68	0.77	13.25	17.45	12.0	14	2.38	8.7
I075448	2.06	1.45	3.04	1.44	>10000	>10000	0.54	7.95	0.51	10.70	17.75	15.1	17	3.20	6.9
I075449	3.82	0.78	1.42	1.35	7920	7360	0.54	9.53	18.45	5.20	16.85	11.3	20	3.67	8.9
I075450	6.54	0.01	0.01	0.07	54	40	0.07	0.07	20.7	0.08	1.25	1.1	1	0.15	2.8
I075451	2.80	0.44	2.12	1.35	4020	5400	0.51	18.35	22.0	4.82	19.10	14.0	14	3.29	8.9
I075452	8.14	0.05	0.20	0.17	247	300	0.10	1.16	32.8	0.59	3.97	1.7	3	0.28	1.2
I075453	11.10	0.02	0.86	0.28	289	170	0.16	54.6	23.0	3.68	10.20	0.9	1	0.47	10.4
I075454	11.24	0.02	0.48	0.31	282	1390	0.19	10.00	20.7	12.20	9.52	1.5	1	0.42	7.4
I075455	0.26	1.38	0.52	4.90	69.6	90	1.23	1.24	0.99	0.11	13.75	22.3	146	26.3	438
I075456	6.76	<0.01	0.11	1.46	10	160	0.38	0.18	27.8	0.17	30.4	27.0	196	0.88	83.6
I075457	11.62	<0.01	0.11	10.80	3.3	1130	2.51	0.20	0.85	0.05	178.0	60.1	483	14.45	98.8
I075458	10.88	0.01	<0.01	8.43	4.8	330	1.25	0.22	5.50	0.07	67.9	63.0	317	14.55	28.3
I075459	12.22	<0.01	<0.01	8.83	2.5	920	1.87	0.11	3.85	0.05	122.0	56.6	280	10.05	48.9
I075460	5.50	0.01	<0.01	10.60	1.7	1470	2.67	0.41	0.96	0.03	191.5	32.8	169	25.1	61.0
I075461	2.72	0.01	<0.01	11.20	3.1	1550	3.01	0.52	0.75	0.05	183.0	35.9	157	27.4	83.4
I075462	11.84	<0.01	0.02	7.28	8.3	350	1.09	0.07	5.99	0.08	55.4	64.5	286	4.36	50.2
I075463	6.34	0.01	0.06	11.00	4.9	1560	2.66	0.13	0.56	<0.02	175.5	35.4	159	8.27	55.9
I075464	8.08	<0.01	0.02	9.21	1.2	1110	1.95	0.09	2.70	0.08	134.5	38.3	136	11.45	24.0
I075465	6.58	<0.01	<0.01	0.10	<5	20	0.07	0.02	20.6	0.06	1.58	1.3	2	0.20	5.2
I075466	3.64	<0.01	0.16	10.55	7.7	1750	3.14	1.69	0.53	0.09	134.0	57.3	170	7.86	92.9
I075467	8.38	0.01	<0.01	7.59	5.1	610	1.47	0.99	3.60	0.09	87.3	56.9	325	34.8	18.8
I075468	8.66	0.01	0.01	0.91	5	80	0.30	0.05	31.3	0.16	11.75	4.8	20	0.68	5.9
I075469	5.40	0.01	0.04	0.56	12	100	0.12	0.05	33.3	0.04	4.09	1.7	16	0.46	2.3
I075470	5.12	0.01	0.04	0.24	25	50	0.11	0.53	33.0	0.39	3.53	0.7	3	0.52	1.7
I075471	4.16	6.30	0.72	0.21	>10000	20	<0.05	285	10.70	0.66	5.73	0.6	1	0.93	79.1
I075472	5.12	5.08	1.14	0.11	2500	10	<0.05	265	12.80	0.11	11.05	0.6	<1	0.54	33.1

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 19-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10089854

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I075437		1.46	2.23	<0.05	0.2	0.066	0.14	2.9	3.4	12.00	2430	0.09	0.02	0.9	<0.2	140
I075438		9.41	7.45	0.16	0.5	0.065	0.48	2.6	2.5	3.16	8010	0.68	0.02	3.0	11.7	250
I075439		10.75	1.65	0.14	0.1	0.119	0.08	2.4	0.6	1.63	9020	0.82	0.01	0.6	3.4	140
I075440		16.35	10.05	0.25	0.7	0.126	0.64	3.9	2.4	1.10	11300	1.46	0.03	4.0	21.2	510
I075441		4.19	1.56	0.15	0.1	0.173	0.07	10.5	2.1	7.61	8930	0.49	0.02	0.4	3.5	160
I075442		0.55	0.45	0.05	<0.1	0.043	0.04	2.3	0.6	2.17	1220	0.06	<0.01	0.6	<0.2	60
I075443		2.38	0.41	0.05	<0.1	0.073	0.03	3.3	1.9	10.90	3240	0.50	0.01	0.4	3.7	70
I075444		1.18	1.62	0.07	0.3	0.017	0.27	5.7	3.7	8.67	1220	0.22	0.01	3.7	4.0	140
I075445		1.95	14.10	0.14	1.6	0.041	3.45	7.7	8.5	0.38	288	4.79	1.17	2.7	464	440
I075446		0.73	1.36	0.08	0.2	0.027	0.21	4.4	2.7	5.02	780	0.07	0.01	2.5	2.9	230
I075447		47.1	3.67	0.72	0.3	0.084	0.43	13.1	2.8	0.31	5960	8.06	0.16	2.8	37.5	400
I075448		45.4	4.73	0.69	0.5	0.175	0.56	13.1	3.4	0.30	7970	8.29	0.25	3.3	44.4	390
I075449		20.0	4.02	0.30	0.4	0.086	0.52	10.5	4.3	0.38	4220	4.74	0.12	4.4	30.8	380
I075450		0.49	0.28	0.07	<0.1	<0.005	0.03	0.6	1.3	12.70	208	0.08	0.01	0.4	0.7	200
I075451		14.35	4.19	0.22	0.5	0.056	0.50	12.4	5.7	0.68	7940	3.44	0.09	5.1	32.6	410
I075452		1.13	0.56	<0.05	0.1	0.006	0.06	3.6	0.8	0.73	1020	0.28	0.01	1.2	1.6	90
I075453		3.93	1.89	0.09	0.1	0.190	0.05	3.8	2.0	8.65	7200	0.26	0.02	0.8	0.9	140
I075454		5.37	2.19	0.10	0.2	0.217	0.03	3.5	1.8	8.14	7240	0.37	0.04	0.6	3.5	80
I075455		1.95	13.65	0.11	1.6	0.040	3.46	7.6	8.6	0.37	296	4.71	1.17	2.6	450	430
I075456		3.77	4.94	0.10	0.7	0.025	0.41	13.2	7.0	0.66	1270	0.81	0.06	31.7	50.5	890
I075457		14.15	36.1	0.44	0.4	0.129	4.39	78.7	52.6	1.49	844	2.42	0.44	62.8	489	2240
I075458		10.60	25.0	0.29	0.3	0.072	1.73	33.7	48.2	3.36	1430	0.10	1.90	42.1	314	2490
I075459		9.37	26.9	0.39	0.8	0.111	3.34	59.1	32.8	1.90	1190	1.06	0.41	77.1	241	2390
I075460		8.33	30.0	0.49	1.1	0.127	5.39	96.2	29.8	1.00	617	1.47	0.18	119.0	159.0	2530
I075461		8.26	30.9	0.49	1.3	0.131	5.75	94.4	30.9	1.03	586	1.51	0.19	124.0	168.5	2330
I075462		9.19	20.0	0.34	0.6	0.069	1.32	26.2	48.3	4.27	1780	0.56	0.08	38.9	278	1750
I075463		12.15	29.8	0.33	0.9	0.117	4.74	90.9	34.0	1.51	835	1.37	0.12	119.0	133.0	2360
I075464		9.60	23.6	0.24	1.0	0.069	3.44	70.8	51.2	2.53	999	1.03	0.18	96.5	115.5	3070
I075465		0.48	0.35	0.10	<0.1	<0.005	0.05	0.7	1.5	12.60	198	0.12	0.01	0.6	1.7	210
I075466		7.94	29.5	0.27	1.1	0.104	4.84	75.5	31.2	2.05	941	1.36	0.12	92.9	236	2650
I075467		7.92	21.7	0.30	2.1	0.049	3.04	45.5	53.6	4.65	1150	0.90	0.06	39.7	342	1860
I075468		0.86	2.59	0.06	0.4	0.015	0.33	7.3	4.6	1.21	988	0.08	0.02	5.8	16.8	190
I075469		0.66	1.21	0.06	0.2	0.006	0.32	2.9	2.4	0.45	109	1.65	0.01	2.0	5.4	20
I075470		0.27	0.71	0.05	0.1	0.024	0.13	2.0	1.4	0.84	208	1.35	<0.01	0.6	<0.2	20
I075471		20.5	1.58	0.23	0.1	0.122	0.11	2.3	1.6	5.25	2490	0.75	<0.01	0.6	1.9	30
I075472		16.20	0.96	0.23	0.1	0.124	0.05	5.1	2.1	6.92	2730	0.20	0.01	0.4	0.8	20

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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Project: RAU

Finalized Date: 19-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10089854

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I075437		52.8	14.1	0.002	0.13	0.28	0.8	2	3.1	49.5	<0.05	<0.05	0.2	0.017	0.10	0.2
I075438		154.5	29.9	0.002	0.03	1.50	2.3	2	5.4	50.8	0.15	0.12	0.9	0.080	0.27	1.0
I075439		215	4.0	<0.002	0.04	2.16	1.2	2	1.1	39.1	<0.05	0.13	<0.2	0.010	0.04	0.7
I075440		366	43.4	0.002	0.04	6.70	3.0	5	3.8	32.8	0.22	0.46	0.7	0.108	0.37	1.7
I075441		153.0	5.0	<0.002	0.02	19.55	1.5	3	2.2	82.6	<0.05	0.97	<0.2	0.010	0.07	0.3
I075442		19.1	2.2	<0.002	0.05	3.73	0.6	1	0.4	139.0	<0.05	0.13	<0.2	0.011	0.02	0.1
I075443		9.1	1.7	<0.002	0.01	0.87	0.6	1	0.6	59.4	<0.05	<0.05	<0.2	0.006	0.09	0.2
I075444		18.5	20.4	<0.002	0.01	0.64	1.7	1	0.9	86.5	0.21	<0.05	0.6	0.081	0.22	0.3
I075445		162.5	920	0.002	0.29	2.35	3.2	1	2.9	51.1	2.31	0.18	1.8	0.079	7.87	0.7
I075446		14.0	11.8	<0.002	0.24	0.25	1.1	1	0.8	112.5	0.13	<0.05	0.4	0.054	0.09	0.2
I075447		42.8	20.5	0.012	0.25	5.13	3.1	2	0.8	77.2	0.14	<0.05	1.1	0.059	1.04	7.0
I075448		61.4	32.1	0.017	0.44	6.58	3.4	2	2.0	124.0	0.17	<0.05	1.8	0.058	1.77	4.8
I075449		48.7	30.6	0.003	0.20	3.54	3.4	2	1.4	149.0	0.22	0.05	1.2	0.084	1.02	2.6
I075450		2.0	1.3	<0.002	0.01	<0.05	0.3	1	<0.2	51.0	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
I075451		53.2	27.3	0.005	0.13	3.89	3.3	1	0.9	116.0	0.25	0.06	1.5	0.108	1.18	1.7
I075452		7.8	3.2	<0.002	0.02	0.43	0.7	1	<0.2	115.0	0.05	<0.05	0.2	0.020	0.11	0.2
I075453		144.0	4.2	<0.002	0.01	2.61	1.3	2	3.5	97.8	<0.05	<0.05	<0.2	0.016	0.17	0.3
I075454		82.5	2.7	0.002	0.13	2.16	1.4	2	8.8	114.0	<0.05	<0.05	<0.2	0.011	0.15	0.5
I075455		163.5	910	<0.002	0.29	2.35	3.1	1	3.0	50.6	2.09	0.19	1.9	0.077	7.98	0.7
I075456		3.9	11.5	0.002	0.09	0.22	4.8	2	0.5	391	1.62	<0.05	2.2	0.623	0.11	0.8
I075457		3.7	124.0	0.002	0.01	0.22	48.1	3	3.6	98.0	3.78	<0.05	10.2	2.19	0.91	0.9
I075458		3.5	86.6	<0.002	0.02	0.15	25.6	3	2.5	231	2.50	<0.05	4.4	1.525	0.72	0.6
I075459		3.2	77.7	0.002	0.01	0.14	25.9	4	3.4	109.5	4.22	<0.05	8.2	1.640	0.66	1.0
I075460		3.1	122.0	0.004	0.10	0.34	22.8	4	7.4	52.8	6.13	<0.05	13.6	1.580	1.73	1.1
I075461		2.7	143.0	0.004	0.15	0.31	23.3	5	8.1	53.3	6.52	<0.05	15.4	1.550	1.78	1.2
I075462		2.5	33.8	<0.002	0.01	0.13	22.5	3	1.6	146.0	2.30	<0.05	3.7	1.360	0.34	0.5
I075463		1.7	111.5	0.002	0.02	0.16	23.6	3	3.0	26.9	6.68	<0.05	13.5	1.815	0.65	1.3
I075464		3.1	97.1	<0.002	0.04	0.20	15.9	2	2.5	102.0	5.46	<0.05	9.7	1.330	1.02	1.0
I075465		1.3	1.6	<0.002	0.01	<0.05	0.4	1	<0.2	47.8	<0.05	<0.05	<0.2	0.011	<0.02	0.6
I075466		2.8	122.0	0.003	0.09	0.66	21.7	3	3.6	47.6	5.53	<0.05	13.2	1.295	1.03	1.7
I075467		1.8	263	<0.002	0.01	0.19	21.5	2	4.2	76.1	2.21	<0.05	7.4	0.909	2.74	1.5
I075468		4.5	9.7	<0.002	0.07	<0.05	2.2	1	0.3	583	0.31	<0.05	1.0	0.139	0.05	0.3
I075469		3.3	7.1	0.003	0.72	1.18	1.4	1	0.2	201	0.09	<0.05	0.4	0.059	0.11	1.1
I075470		21.7	6.2	0.002	0.16	0.61	0.6	1	<0.2	174.0	<0.05	<0.05	0.4	0.012	0.08	0.6
I075471		39.7	11.2	<0.002	>10.0	28.6	0.6	3	0.4	51.3	<0.05	0.33	0.4	0.011	0.18	0.8
I075472		6.3	5.7	<0.002	>10.0	15.70	0.4	2	0.4	72.0	<0.05	0.20	0.2	0.006	0.08	1.2

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CERTIFICATE OF ANALYSIS VA10089854

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	As-OG62
	Analyte	V	W	Y	Zn	Zr	As
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
I075437		12	7.1	5.9	186	8.1	
I075438		16	129.0	10.7	725	20.3	
I075439		5	31.4	9.9	633	4.7	
I075440		25	105.0	14.7	1160	29.5	
I075441		7	2.2	39.6	271	3.4	
I075442		2	0.8	6.6	55	2.4	
I075443		10	2.6	5.4	232	2.1	
I075444		11	1.6	6.9	121	11.2	
I075445		20	7.7	3.8	131	58.0	
I075446		7	0.9	4.8	90	7.9	
I075447		24	52.6	22.1	3710	12.5	2.04
I075448		28	95.3	20.0	3800	17.3	1.690
I075449		27	40.3	13.6	1920	14.7	
I075450		3	0.2	1.0	27	<0.5	
I075451		26	62.5	14.4	1220	16.7	
I075452		3	8.6	5.8	128	4.2	
I075453		8	56.6	16.0	822	4.9	
I075454		9	38.8	14.8	2250	8.5	
I075455		20	7.9	3.7	146	62.3	
I075456		70	0.4	18.3	41	28.6	
I075457		235	0.7	41.6	126	11.5	
I075458		171	0.7	23.6	113	9.2	
I075459		216	0.9	30.7	108	28.7	
I075460		202	2.1	43.7	71	42.3	
I075461		203	2.2	42.4	69	53.5	
I075462		237	0.9	17.7	119	19.7	
I075463		201	0.7	38.6	105	40.4	
I075464		171	0.5	31.0	106	41.3	
I075465		4	0.1	1.0	13	0.7	
I075466		169	1.2	35.5	80	45.3	
I075467		216	1.3	18.8	93	131.0	
I075468		17	0.3	6.9	14	14.2	
I075469		8	0.1	3.1	4	5.9	
I075470		3	0.5	1.7	108	3.7	
I075471		4	50.5	4.4	173	4.2	3.57
I075472		5	9.0	7.4	22	1.7	

***** See Appendix Page for comments regarding this certificate *****

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Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 19-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10089854

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 18-JUL-2010
Account: RCM

CERTIFICATE VA10089855

Project: RAU

P.O. No.: Batch #26

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 3-JUL-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
LOG-24	Pulp Login - Rcd w/o Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

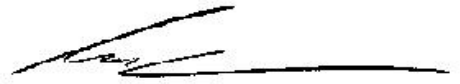
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:



Colin Ramshaw, Vancouver Laboratory Manager

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Project: RAU

Finalized Date: 18-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10089855

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA26 Au ppm 0.01	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
I075401		3.78	0.02	0.04	0.43	22	120	0.17	1.58	20.4	0.07	6.29	1.9	3	0.91	1.9
I075402		5.50	0.02	0.02	0.19	26	70	0.17	1.26	21.8	0.05	6.06	1.5	<1	0.65	2.5
I075403		2.62	0.08	0.23	1.78	429	1330	0.56	34.4	26.9	1.93	26.7	6.8	27	1.23	14.7
I075404		3.02	3.08	7.77	0.62	>10000	1070	0.55	408	5.07	8.91	57.4	3.4	<1	0.22	58.0
I075405		2.52	0.94	5.04	0.44	>10000	980	0.52	1360	2.18	9.77	409	6.3	<1	0.15	30.5
I075406		2.06	0.99	2.70	0.31	>10000	3130	0.38	2610	5.83	4.01	354	7.6	<1	0.42	17.2
I075407		3.70	0.14	2.84	0.24	3570	660	0.12	373	26.0	2.88	90.0	2.7	<1	0.06	4.0
I075408		4.72	0.07	6.46	0.19	1680	580	0.19	1100	25.8	5.70	14.60	1.9	<1	0.12	8.8
I075409		4.02	0.14	1.12	0.27	5740	660	0.28	164.0	23.2	9.93	16.70	4.4	<1	0.29	3.2
I075410		2.84	0.49	6.05	0.88	5160	910	0.34	453	19.55	10.25	16.35	5.2	4	0.75	17.6
I075411		2.76	0.12	0.30	0.16	1740	420	0.11	132.5	25.3	3.92	38.4	2.9	<1	0.17	4.1
I075412		0.28	1.48	0.61	4.86	72.4	90	1.24	1.43	1.02	0.15	13.25	22.2	146	25.8	454
I075413		5.36	0.02	0.11	0.08	735	120	0.09	19.65	21.8	1.27	13.25	1.5	<1	0.24	5.3
I075414		2.82	0.13	0.26	0.62	1360	100	0.27	183.5	17.10	0.95	6.81	4.8	7	0.34	9.6
I075415		2.70	0.35	0.39	0.11	2750	150	0.29	1700	9.26	1.57	8.34	15.2	<1	0.15	15.9
I075416		4.04	0.55	0.25	0.20	1880	120	0.14	361	18.50	1.83	11.05	16.4	<1	0.09	11.2
I075417		7.14	0.01	0.01	0.06	20	20	0.09	2.63	20.7	0.08	1.27	1.7	<1	0.16	6.8
I075418		3.72	0.10	0.14	0.07	455	50	0.10	65.6	20.4	0.86	5.87	3.3	<1	0.21	2.8
I075419		8.26	0.01	0.03	0.07	136	30	0.14	3.27	21.0	0.39	4.71	1.6	<1	0.21	2.6
I075420		1.80	0.13	0.54	0.23	1300	310	0.14	124.5	22.7	1.19	8.88	5.0	<1	0.13	9.1
I075421		2.34	0.14	1.02	0.23	5740	200	0.35	217	2.92	5.20	14.85	11.8	3	0.10	29.3
I075422		4.16	0.23	0.22	0.76	2760	320	0.38	111.0	15.65	4.90	12.65	12.7	10	0.53	10.2
I075423		0.28	0.40	6.12	4.79	5.5	70	1.21	1.61	1.29	0.04	18.75	8.3	29	20.2	15.6
I075424		4.16	0.17	0.14	0.70	4660	210	0.23	25.0	20.4	0.70	8.22	4.9	9	0.78	4.1
I075425		3.86	0.67	0.24	0.87	5400	340	0.28	67.8	13.90	1.05	10.05	7.3	13	0.44	3.6
I075426		3.12	0.87	0.40	0.21	>10000	450	<0.05	772	5.74	3.71	12.25	4.9	4	0.33	6.6
I075427		6.86	0.01	0.02	0.07	95	20	0.05	0.98	20.6	0.06	1.29	1.2	<1	0.14	2.0
I075428		3.64	0.11	0.18	0.26	3090	150	0.14	34.8	18.35	0.64	7.03	2.1	5	0.24	18.3
I075429		5.26	0.07	1.13	0.14	988	70	0.11	9.71	20.5	2.41	5.47	1.4	2	0.16	4.1
I075430		4.24	0.09	0.21	0.10	2440	130	0.07	17.35	20.3	1.51	6.05	1.8	2	0.19	2.5
I075431		5.52	0.01	0.13	0.11	142	30	0.09	0.88	20.7	0.73	4.67	0.9	2	0.21	2.0
I075432		9.20	0.01	0.05	0.14	435	20	0.09	4.92	20.1	0.27	6.01	0.7	2	0.21	2.0
I075433		4.30	0.01	0.06	0.13	372	20	0.11	1.90	20.5	0.30	5.70	0.8	4	0.20	1.3
I075434		11.20	0.01	0.03	0.46	252	40	0.21	0.95	20.9	0.06	6.20	1.2	5	0.48	1.9
I075435		12.00	0.01	0.14	0.13	94	50	0.14	0.74	21.3	0.35	4.62	0.9	2	0.33	1.8
I075436		7.40	0.01	0.14	0.17	131	50	0.14	2.23	20.7	0.49	5.35	1.0	4	0.31	1.9

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 18-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10089855

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I075401		0.80	1.58	<0.05	0.2	0.012	0.20	4.3	7.5	11.25	355	0.24	0.01	3.0	<0.2	120
I075402		0.59	1.01	0.07	0.1	0.008	0.11	4.2	4.4	12.30	365	0.08	0.01	1.6	<0.2	60
I075403		2.88	5.20	0.07	0.8	0.037	0.63	15.0	7.2	1.41	740	0.71	0.17	11.7	11.9	440
I075404		43.6	2.87	1.18	0.3	0.221	0.05	30.1	1.3	0.25	5540	1.29	0.03	1.6	13.0	290
I075405		43.9	5.72	1.35	0.4	0.227	0.06	257	2.0	0.28	6910	1.38	0.04	1.2	19.2	470
I075406		37.1	6.60	1.11	0.4	0.208	0.03	221	1.9	0.63	26600	1.52	0.06	0.8	24.2	670
I075407		12.05	2.83	0.27	0.3	0.076	0.01	55.5	0.6	0.70	7320	0.26	0.03	1.2	<0.2	280
I075408		7.43	2.38	0.27	0.2	0.083	0.02	6.3	1.6	3.52	7510	0.23	0.03	0.7	<0.2	270
I075409		17.50	2.40	0.43	0.3	0.074	0.06	5.9	0.5	0.30	8490	0.51	0.01	1.3	2.0	190
I075410		19.50	7.77	0.50	0.7	0.070	0.12	7.0	1.6	0.64	9170	0.46	0.06	4.5	11.2	360
I075411		10.80	2.10	0.25	0.2	0.071	0.03	21.6	0.8	2.45	5930	0.17	0.02	1.1	<0.2	200
I075412		1.90	14.15	<0.05	1.5	0.044	3.40	7.5	8.0	0.36	292	5.06	1.15	2.4	471	430
I075413		5.45	0.96	0.07	0.1	0.103	0.04	6.2	2.6	8.24	3900	0.08	0.01	0.7	<0.2	50
I075414		8.52	4.49	0.15	0.8	0.042	0.05	3.7	2.9	9.15	1620	0.12	0.06	3.5	7.4	140
I075415		15.95	1.62	0.37	0.1	0.072	0.01	3.4	1.9	2.57	3270	0.28	0.02	0.3	25.8	140
I075416		16.05	1.89	0.37	0.1	0.072	0.01	4.9	4.4	5.04	2860	0.23	0.02	0.8	29.8	190
I075417		0.48	0.33	<0.05	<0.1	<0.005	0.03	0.6	1.5	12.20	219	0.20	0.01	0.4	<0.2	190
I075418		3.49	0.66	<0.05	0.1	0.028	0.01	3.5	3.4	10.95	1340	0.07	0.02	0.5	1.7	120
I075419		1.78	0.58	<0.05	0.1	0.024	0.02	2.9	3.1	11.20	1060	0.05	0.01	0.6	<0.2	40
I075420		15.65	2.24	0.36	0.2	0.108	0.02	3.6	0.8	1.83	4710	0.33	0.02	1.1	6.2	110
I075421		49.0	1.92	0.82	0.3	0.116	0.03	7.3	0.4	0.46	5260	0.79	0.02	0.7	25.2	220
I075422		23.9	5.72	0.40	0.6	0.082	0.07	5.6	2.3	1.62	6390	0.53	0.04	2.1	23.0	610
I075423		1.97	14.70	0.08	1.3	0.019	3.25	10.2	9.5	0.60	298	8.69	1.21	2.2	7.6	430
I075424		11.05	4.59	0.18	0.5	0.072	0.14	3.3	2.4	5.51	5730	0.15	0.04	2.9	11.6	450
I075425		15.40	5.72	0.27	0.7	0.046	0.05	4.3	1.9	6.39	5710	0.23	0.07	3.4	20.0	410
I075426		38.9	2.14	0.58	0.2	0.178	0.04	4.9	2.0	3.00	6130	0.23	0.02	0.8	12.5	260
I075427		0.48	0.25	0.05	<0.1	<0.005	0.02	0.6	1.2	12.25	201	0.19	0.01	0.3	0.9	190
I075428		8.75	1.75	0.16	0.2	0.071	0.03	3.5	2.0	8.98	2750	0.14	0.02	1.0	5.9	200
I075429		4.52	0.93	0.08	0.1	0.087	0.01	2.9	2.3	10.45	2540	0.09	0.02	0.6	2.1	80
I075430		7.67	0.75	0.12	0.1	0.083	0.02	3.1	1.7	7.77	2700	0.14	0.01	0.4	3.3	130
I075431		2.18	0.64	0.06	0.1	0.041	0.03	2.9	2.6	11.25	1900	0.08	0.02	0.5	0.9	50
I075432		1.31	0.90	0.06	0.1	0.031	0.01	3.0	2.9	11.35	1920	0.06	0.02	0.7	<0.2	100
I075433		1.26	0.90	0.07	0.1	0.029	0.01	3.0	3.2	11.60	1800	0.05	0.02	0.7	<0.2	90
I075434		0.66	1.72	0.07	0.2	0.012	0.09	4.3	4.6	12.15	836	0.05	0.08	1.3	0.4	110
I075435		0.62	0.83	0.08	0.1	0.029	0.05	3.1	3.5	12.25	1080	<0.05	0.02	0.6	<0.2	50
I075436		0.87	1.15	0.07	0.1	0.034	0.04	3.5	3.4	11.85	1540	0.06	0.02	1.0	0.9	70

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Project: RAU

Finalized Date: 18-JUL-2010
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CERTIFICATE OF ANALYSIS VA10089855

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I075401		1.8	10.5	0.002	0.84	0.64	0.7	1	0.3	43.7	0.15	<0.05	0.6	0.026	0.09	0.2
I075402		1.6	9.2	0.002	0.62	0.35	0.6	1	0.2	40.3	0.08	<0.05	0.4	0.011	0.06	0.1
I075403		26.8	25.3	0.004	0.04	1.62	4.5	1	0.9	245	0.71	0.09	2.9	0.189	0.17	0.9
I075404		231	3.2	0.007	0.05	43.1	2.9	12	0.7	24.3	0.05	0.43	0.5	0.012	0.33	5.1
I075405		171.5	2.4	0.003	0.05	25.7	3.9	14	2.2	21.2	0.06	1.26	1.7	0.019	0.21	7.2
I075406		144.0	3.6	0.014	0.05	44.0	4.0	11	1.8	36.9	0.07	2.87	1.6	0.011	0.41	4.5
I075407		216	0.8	0.006	0.04	5.18	1.9	3	0.7	21.7	0.05	0.43	0.5	0.017	0.08	1.3
I075408		411	1.6	0.005	0.04	14.00	2.1	4	1.7	65.3	0.05	1.28	0.2	0.013	0.04	0.5
I075409		384	6.6	0.005	0.02	7.33	1.3	4	0.9	19.2	0.05	0.21	0.2	0.009	0.20	1.4
I075410		491	14.3	0.006	0.05	9.00	3.0	8	3.9	24.4	0.22	0.48	0.9	0.068	0.21	1.6
I075411		108.0	3.2	0.002	0.07	3.01	1.8	4	0.7	44.6	<0.05	0.20	0.4	0.009	0.06	0.7
I075412		166.5	910	<0.002	0.29	2.61	3.2	<1	3.0	47.4	1.94	0.15	1.8	0.078	7.65	0.7
I075413		38.2	2.5	0.002	0.02	1.65	1.1	2	0.3	101.0	<0.05	0.06	<0.2	<0.005	0.03	0.2
I075414		14.0	5.6	0.002	0.03	7.63	1.2	4	1.5	51.2	0.17	0.29	0.3	0.067	0.05	1.0
I075415		33.3	0.8	0.007	0.09	30.6	2.7	7	2.2	25.0	0.05	2.20	<0.2	<0.005	0.09	0.6
I075416		27.7	0.6	0.002	0.06	9.22	1.8	4	0.4	32.1	<0.05	0.49	<0.2	<0.005	0.08	0.7
I075417		1.4	1.3	<0.002	0.01	0.08	0.4	1	<0.2	40.3	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
I075418		33.1	0.9	<0.002	0.01	1.14	0.7	2	0.3	50.3	<0.05	0.13	<0.2	<0.005	0.03	0.2
I075419		4.0	1.8	0.002	0.01	0.43	0.6	1	0.3	49.2	<0.05	<0.05	<0.2	0.005	0.02	0.1
I075420		54.7	2.7	0.002	0.03	4.13	1.6	2	0.5	27.0	<0.05	0.18	<0.2	0.011	0.06	0.9
I075421		294	2.4	0.007	0.04	10.75	1.6	4	0.7	15.5	<0.05	0.21	<0.2	0.006	0.12	3.5
I075422		196.5	8.1	0.003	0.15	5.80	2.5	3	1.3	35.1	0.11	0.13	0.9	0.053	0.11	2.7
I075423		13.1	720	<0.002	0.01	0.71	7.2	1	1.1	54.6	0.21	0.07	1.2	0.234	6.08	0.6
I075424		33.8	15.8	<0.002	0.15	2.33	2.0	2	1.8	82.7	0.16	0.08	0.4	0.080	0.21	1.6
I075425		10.3	5.0	0.002	0.03	2.65	2.4	2	1.9	52.4	0.19	0.09	0.6	0.090	0.49	2.3
I075426		35.2	5.2	0.005	0.05	30.7	2.5	5	1.1	55.4	<0.05	1.44	0.2	0.013	0.48	3.3
I075427		1.4	1.4	<0.002	0.01	0.05	0.3	1	<0.2	46.8	<0.05	<0.05	<0.2	<0.005	<0.02	0.8
I075428		8.8	3.3	<0.002	0.02	2.22	1.3	2	0.6	45.9	0.05	0.11	0.2	0.022	0.18	0.6
I075429		133.5	1.3	0.004	0.03	0.78	0.9	2	0.5	64.6	<0.05	0.05	<0.2	0.012	0.07	0.3
I075430		31.7	2.5	0.002	0.02	1.84	1.1	2	0.6	52.3	<0.05	0.07	<0.2	0.008	0.06	0.5
I075431		41.2	2.9	<0.002	0.02	0.29	0.9	1	0.5	61.8	<0.05	<0.05	<0.2	0.011	0.02	0.1
I075432		12.7	1.4	<0.002	0.02	0.31	1.3	1	0.4	75.8	<0.05	0.07	<0.2	0.017	0.02	0.1
I075433		15.1	1.3	<0.002	0.02	0.28	1.2	1	0.4	73.1	<0.05	0.05	<0.2	0.015	0.02	0.2
I075434		3.7	8.4	<0.002	0.02	0.25	1.3	1	0.5	53.7	0.08	<0.05	0.3	0.034	0.05	0.2
I075435		14.5	6.3	<0.002	0.03	0.21	0.8	1	1.1	48.5	<0.05	<0.05	<0.2	0.014	0.05	0.1
I075436		23.0	5.0	<0.002	0.03	0.25	0.9	1	1.4	49.8	0.05	<0.05	0.2	0.025	0.05	0.2

***** See Appendix Page for comments regarding this certificate *****

ALS Chemex
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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 18-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10089855

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	As-OG62
	Analyte	V	W	Y	Zn	Zr	As
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
I075401		9	0.8	4.6	18	6.6	
I075402		6	0.7	5.0	7	3.3	
I075403		33	34.5	9.6	134	24.7	
I075404		13	253	25.2	2500	14.2	3.25
I075405		19	84.4	47.8	2390	14.4	2.62
I075406		23	550	58.0	1050	8.9	1.395
I075407		13	149.5	20.0	684	7.7	
I075408		10	52.0	17.9	802	5.8	
I075409		5	97.7	21.4	3150	9.3	
I075410		17	42.6	22.1	3260	23.7	
I075411		6	2.8	17.6	759	6.7	
I075412		20	9.2	3.5	138	51.1	
I075413		7	3.9	9.2	258	2.4	
I075414		20	5.8	6.9	246	27.1	
I075415		12	3.8	11.5	625	1.2	
I075416		16	3.8	13.0	477	2.1	
I075417		3	0.2	0.8	19	<0.5	
I075418		11	1.6	5.6	200	1.4	
I075419		10	1.6	4.0	41	1.7	
I075420		9	13.2	9.9	469	5.2	
I075421		8	263	23.1	4570	16.1	
I075422		19	100.5	19.6	2400	26.5	
I075423		51	0.5	11.0	31	51.4	
I075424		18	10.1	9.3	556	22.1	
I075425		20	11.8	11.1	273	30.5	
I075426		12	289	13.2	333	8.4	2.49
I075427		2	0.5	0.9	15	<0.5	
I075428		14	28.1	6.9	127	6.9	
I075429		7	271	5.7	334	4.1	
I075430		8	109.0	6.8	243	3.0	
I075431		5	1.2	5.0	118	2.8	
I075432		8	1.5	6.7	60	4.4	
I075433		7	1.3	6.1	65	4.3	
I075434		9	1.1	5.8	27	7.0	
I075435		6	0.8	5.2	68	3.8	
I075436		6	2.0	5.5	108	6.9	

***** See Appendix Page for comments regarding this certificate *****

ALS Chemex
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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 18-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10089855

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 5-AUG-2010
Account: RCM

CERTIFICATE VA10089877

Project: RAU

P.O. No.: BATCH 49

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 24-JUL-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LOG-23	Pulp Login - Rcvd with Barcode
CRU-31	Fine crushing - 70% <2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 5-AUG-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10089877

Sample Description	Method	WEI-21	Au-AA26	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
I076229		2.16	0.01	0.07	0.85	25	170	0.19	0.93	31.5	0.18	6.94	5.5	8	0.75	10.7
I076230		5.16	<0.01	<0.01	7.73	2.6	980	0.61	0.37	5.34	<0.02	22.6	26.5	248	8.53	25.5
I076231		4.12	0.02	0.01	0.10	<5	20	0.07	0.11	20.4	0.06	1.27	1.0	2	0.25	4.0
I076232		4.60	<0.01	<0.01	7.44	0.2	970	0.54	0.05	5.58	<0.02	23.7	51.2	233	35.3	47.2
I076233		5.16	0.01	0.02	6.82	93.8	750	0.59	6.12	5.02	<0.02	22.9	52.3	178	53.6	51.5
I076234		4.70	<0.01	0.15	7.12	29.7	1110	0.57	3.57	8.89	0.02	29.6	53.0	216	38.3	75.6
I076235		4.88	<0.01	0.13	7.23	67.8	1570	1.01	12.05	3.03	0.02	15.25	47.6	219	43.2	15.1
I076236		3.98	0.01	0.08	4.34	78	760	0.62	7.20	10.95	<0.02	19.85	42.7	138	40.9	31.2
I076237		4.34	0.01	0.09	0.54	32	410	0.19	5.23	19.15	0.02	4.42	19.9	23	5.59	60.8
I076238		4.80	0.01	0.05	0.12	89	240	0.15	3.75	20.6	<0.02	4.17	6.6	5	0.72	10.0
I076239		2.52	<0.01	0.02	0.09	<5	50	0.09	1.58	21.2	<0.02	4.03	1.5	4	0.62	4.1
I076240		0.96	0.01	0.10	0.05	8	20	0.10	1.33	18.20	0.02	5.91	4.0	2	0.28	12.1
I076241		2.46	<0.01	0.01	0.09	<5	30	0.13	0.12	20.7	0.02	3.86	0.9	1	0.46	1.8
I076242		5.24	<0.01	0.06	0.09	7	40	0.09	0.81	19.75	0.27	3.77	1.3	<1	0.37	3.4
I076243		3.56	<0.01	0.03	0.05	<5	30	0.11	0.65	19.75	0.12	3.56	1.4	<1	0.27	3.2
I076244		1.16	0.02	0.31	0.05	33	20	0.08	51.5	12.90	0.21	3.90	4.5	<1	0.27	30.7
I076245		1.18	0.01	0.06	0.08	16	580	0.13	15.80	19.45	0.64	2.95	1.9	<1	0.20	5.6
I076246		0.30	2.63	0.64	0.15	1620	30	0.14	99.5	13.80	1.60	11.60	1.7	11	0.94	32.7
I076247		5.14	0.01	0.19	0.15	19	2260	0.15	1.53	19.80	0.15	2.98	2.6	1	0.45	3.7
I076248		2.58	0.02	0.27	1.13	563	380	0.28	0.60	32.1	2.77	14.60	4.6	23	1.76	10.2
I076249		3.30	0.01	0.10	0.26	234	160	0.11	0.13	32.7	0.82	5.15	1.9	4	0.38	3.1
I076250		3.64	0.03	2.39	3.61	2080	880	0.90	4.84	20.0	2.83	36.4	20.9	74	6.67	45.1
I076251		3.56	0.02	0.27	0.75	472	1220	0.30	0.20	31.3	4.67	9.12	3.7	14	0.85	8.4
I076252		4.84	0.01	0.39	1.64	1220	480	0.48	0.64	29.7	2.85	16.65	7.2	32	3.00	14.7
I076253		1.12	0.01	0.31	1.44	757	690	0.45	0.19	31.1	5.14	20.1	6.1	33	0.98	11.2
I076254		5.08	<0.01	0.01	0.08	16	20	0.08	0.03	20.8	0.10	1.50	1.4	<1	0.20	3.3
I076255		2.16	0.02	0.45	1.56	1420	450	0.50	0.76	29.3	3.27	17.10	7.1	32	2.80	14.3
I076256		3.10	0.01	0.19	1.08	378	290	0.32	0.37	31.7	1.84	13.15	3.4	18	1.56	8.3
I076257		2.92	0.03	0.40	2.01	1380	410	0.60	1.62	30.2	3.47	24.3	5.1	31	3.69	16.6
I076258		0.74	0.02	0.24	1.49	661	320	0.41	0.50	30.2	3.18	19.65	4.8	30	2.81	10.8
I076259		1.56	0.03	0.17	1.31	469	410	0.45	0.28	32.6	2.05	17.70	3.1	22	1.87	7.6
I076260		1.72	0.03	0.23	1.79	1020	1210	0.52	0.55	30.3	3.33	20.8	3.9	29	2.80	11.9
I076261		0.26	0.34	7.13	4.99	2.6	70	0.93	1.27	1.41	0.02	19.85	7.8	29	21.1	13.6
I076262		8.16	<0.01	0.02	0.92	12	90	0.23	0.06	33.1	0.12	12.35	2.8	15	1.56	1.9
I076263		6.34	<0.01	<0.01	0.56	7	60	0.21	0.04	34.2	0.14	8.73	2.1	6	0.95	3.3
I076264		2.98	0.01	<0.01	0.57	6	60	0.20	0.03	35.8	0.12	8.28	2.6	6	0.95	2.3

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 5-AUG-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10089877

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I076229		1.00	2.13	0.06	0.2	0.040	0.45	3.6	3.9	1.88	599	0.35	0.03	1.0	9.1	30
I076230		7.87	20.2	0.18	0.2	0.069	4.55	11.2	37.7	3.07	370	0.26	0.07	7.3	183.0	640
I076231		0.45	0.30	0.06	<0.1	<0.005	0.04	0.6	1.2	12.50	185	0.12	0.01	0.3	1.2	190
I076232		8.21	19.00	0.18	0.1	0.041	4.67	11.3	85.6	4.97	621	0.42	0.34	13.6	204	790
I076233		7.21	18.35	0.17	0.6	0.029	5.38	11.8	54.0	5.97	539	0.49	0.12	10.1	228	820
I076234		7.61	18.90	0.19	0.5	0.026	5.50	15.1	46.5	4.06	526	0.65	0.29	8.6	267	810
I076235		7.02	24.3	0.19	1.3	0.016	6.90	6.8	51.2	6.29	195	0.32	0.11	7.4	228	730
I076236		5.13	13.35	0.15	1.1	0.005	3.70	9.0	30.7	6.67	356	0.55	0.04	4.2	179.0	510
I076237		2.52	2.27	0.07	0.2	<0.005	0.43	2.6	5.4	11.75	502	0.87	0.01	0.6	44.7	90
I076238		1.59	0.59	0.06	<0.1	0.018	0.07	2.7	2.6	12.30	652	0.73	0.01	0.2	9.2	30
I076239		0.44	0.41	0.07	<0.1	<0.005	0.05	3.1	3.7	13.15	383	0.22	0.01	0.3	3.0	20
I076240		4.18	0.36	0.08	<0.1	0.017	0.02	3.5	2.4	11.75	830	0.24	0.01	0.2	8.6	20
I076241		0.21	0.59	<0.05	<0.1	0.008	0.04	3.4	2.7	12.25	359	0.08	0.01	0.2	<0.2	20
I076242		0.42	0.51	<0.05	<0.1	0.007	0.03	2.8	3.8	11.60	448	0.21	0.02	0.2	<0.2	20
I076243		0.60	0.46	<0.05	<0.1	0.005	0.02	2.5	3.5	11.60	405	0.25	0.01	0.1	<0.2	20
I076244		14.15	0.41	0.22	<0.1	0.022	0.02	2.3	2.2	8.15	545	0.52	0.01	0.1	7.5	10
I076245		1.21	0.42	<0.05	<0.1	0.005	0.02	2.1	3.0	11.10	424	0.49	0.02	0.1	<0.2	10
I076246		10.00	1.89	0.56	0.1	0.044	0.07	5.9	3.3	7.98	1700	4.70	0.01	0.8	7.1	80
I076247		0.33	0.75	<0.05	0.1	0.007	0.06	2.1	2.5	11.65	411	0.32	0.02	0.3	<0.2	10
I076248		1.50	2.91	<0.05	0.5	0.027	0.49	11.9	4.9	0.42	474	0.30	0.01	4.7	9.9	300
I076249		0.65	0.78	<0.05	0.1	0.006	0.11	4.7	1.0	0.24	343	0.11	<0.01	1.4	<0.2	70
I076250		6.03	8.90	0.10	1.0	0.086	1.23	21.1	18.3	0.85	1480	1.75	0.02	9.6	85.6	470
I076251		1.24	2.04	<0.05	0.4	0.065	0.32	8.0	2.4	1.21	618	0.17	0.01	3.3	8.4	210
I076252		2.87	4.19	<0.05	0.7	0.031	0.67	13.0	7.2	0.38	679	0.44	0.01	5.9	24.9	370
I076253		2.14	3.72	<0.05	0.8	0.019	0.68	16.3	3.8	0.17	372	0.34	0.01	7.5	15.9	430
I076254		0.46	0.37	<0.05	<0.1	<0.005	0.03	0.7	1.0	12.20	197	0.08	0.01	0.3	<0.2	190
I076255		2.69	3.83	<0.05	0.7	0.037	0.61	13.0	6.5	0.37	548	0.50	0.01	5.7	25.5	310
I076256		1.24	2.63	<0.05	0.5	0.025	0.45	10.2	4.0	0.27	447	0.19	0.01	4.5	7.0	260
I076257		3.04	5.40	<0.05	1.1	0.046	0.84	18.7	6.0	0.36	599	0.35	0.02	9.3	18.8	720
I076258		1.67	3.76	<0.05	0.7	0.028	0.60	14.4	5.5	0.94	596	0.24	0.01	5.8	12.2	370
I076259		1.50	3.59	<0.05	0.8	0.021	0.59	15.4	3.2	0.24	445	0.15	0.01	7.9	5.3	520
I076260		2.14	4.53	<0.05	0.9	0.028	0.74	16.9	5.0	0.30	543	0.29	0.02	8.3	15.0	500
I076261		2.08	14.30	<0.05	1.5	0.028	3.42	11.0	7.3	0.61	292	9.93	1.24	2.4	8.1	450
I076262		0.99	2.37	<0.05	0.3	0.013	0.49	9.8	2.9	0.36	194	0.15	0.02	5.8	4.2	340
I076263		0.58	1.39	<0.05	0.2	0.007	0.29	7.3	1.8	0.44	167	0.05	0.02	4.3	<0.2	170
I076264		0.56	1.36	<0.05	0.2	0.006	0.29	6.8	2.0	0.43	167	<0.05	0.02	3.9	<0.2	170

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 5-AUG-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10089877

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I076229		12.8	12.0	<0.002	0.26	0.13	2.1	2	0.5	280	0.06	<0.05	0.9	0.042	0.04	0.4
I076230		2.7	90.4	<0.002	0.21	1.02	24.7	1	1.0	66.7	0.44	<0.05	1.7	0.656	0.55	0.4
I076231		1.3	1.8	<0.002	<0.01	<0.05	0.4	1	<0.2	45.5	<0.05	<0.05	<0.2	0.005	<0.02	0.6
I076232		1.9	98.0	<0.002	0.05	0.44	23.8	1	1.7	81.7	0.74	<0.05	1.4	0.787	1.41	0.2
I076233		1.2	490	<0.002	4.30	0.29	21.7	1	5.7	36.1	0.53	0.09	1.6	0.608	2.72	0.3
I076234		2.0	338	<0.002	4.38	0.14	24.4	1	5.3	110.5	0.46	0.07	1.7	0.502	2.02	0.3
I076235		2.0	860	<0.002	7.17	0.23	25.0	1	5.6	56.1	0.39	0.23	2.0	0.469	3.40	1.3
I076236		1.2	401	<0.002	4.95	1.11	14.2	1	2.9	43.1	0.23	0.15	1.0	0.264	2.44	2.5
I076237		1.7	47.5	<0.002	2.04	3.79	1.9	1	0.3	48.1	<0.05	0.05	0.2	0.027	0.65	1.3
I076238		1.9	7.9	<0.002	1.45	8.08	0.6	1	0.6	52.1	<0.05	<0.05	<0.2	0.006	1.53	0.5
I076239		1.5	7.5	<0.002	0.25	0.29	0.5	1	<0.2	46.4	<0.05	<0.05	<0.2	0.005	0.07	0.2
I076240		1.6	2.1	<0.002	2.90	0.24	0.6	2	0.2	51.2	<0.05	0.08	<0.2	<0.005	0.14	0.2
I076241		1.3	5.0	<0.002	0.05	0.35	0.5	4	<0.2	40.5	<0.05	<0.05	0.2	0.009	0.05	0.3
I076242		11.2	4.2	<0.002	0.16	0.49	0.7	4	0.2	49.1	<0.05	<0.05	0.2	0.006	0.07	0.4
I076243		4.2	2.6	<0.002	0.34	0.40	0.5	4	<0.2	45.2	<0.05	<0.05	<0.2	<0.005	0.11	0.9
I076244		31.2	1.7	0.003	>10.0	9.20	0.3	4	0.6	25.6	<0.05	0.32	<0.2	<0.005	1.86	1.4
I076245		16.4	3.1	<0.002	1.04	2.67	0.5	4	0.2	76.2	<0.05	<0.05	<0.2	<0.005	0.46	1.1
I076246		106.0	9.3	0.032	>10.0	5.20	2.3	5	51.6	75.3	<0.05	<0.05	0.5	0.010	0.49	0.2
I076247		6.5	5.4	<0.002	0.24	0.27	0.5	4	0.6	61.2	<0.05	<0.05	0.2	0.008	0.05	1.1
I076248		62.7	19.9	<0.002	0.03	1.40	3.4	5	0.6	112.5	0.28	<0.05	1.1	0.131	0.21	0.8
I076249		8.7	4.3	<0.002	0.01	0.35	1.1	4	0.2	131.5	0.08	<0.05	0.3	0.030	0.05	0.3
I076250		314	57.7	<0.002	<0.01	7.63	9.7	3	3.0	81.5	0.59	0.09	3.5	0.308	1.16	1.9
I076251		30.6	13.9	<0.002	0.03	2.34	2.5	5	0.4	108.0	0.20	<0.05	0.7	0.094	0.13	0.7
I076252		76.0	30.4	<0.002	<0.01	4.20	4.5	4	0.9	79.4	0.35	<0.05	1.6	0.172	0.33	1.2
I076253		99.8	25.0	<0.002	<0.01	2.59	4.3	4	0.5	41.5	0.45	0.05	1.3	0.208	0.17	1.1
I076254		2.6	1.3	<0.002	<0.01	0.06	0.5	3	<0.2	47.9	<0.05	<0.05	<0.2	0.005	<0.02	0.6
I076255		70.9	25.8	<0.002	<0.01	2.85	4.4	4	0.9	94.7	0.35	<0.05	1.5	0.165	0.29	1.2
I076256		55.3	18.3	<0.002	<0.01	1.71	2.8	4	0.6	93.4	0.27	<0.05	1.1	0.118	0.19	0.7
I076257		103.5	35.8	<0.002	<0.01	3.72	4.6	5	1.0	71.6	0.58	0.05	2.3	0.207	0.42	1.6
I076258		102.5	26.2	<0.002	<0.01	2.19	3.6	4	0.9	105.0	0.35	<0.05	1.7	0.138	0.28	1.2
I076259		83.3	20.9	<0.002	0.01	3.16	3.4	4	0.6	111.5	0.49	<0.05	1.6	0.160	0.17	1.1
I076260		80.6	28.7	<0.002	0.01	2.58	4.3	4	0.9	93.1	0.52	<0.05	2.1	0.182	0.26	1.5
I076261		14.0	770	<0.002	0.01	0.78	6.8	2	1.1	60.0	0.22	<0.05	1.2	0.249	6.09	0.7
I076262		2.6	20.4	<0.002	0.01	0.17	2.8	5	0.3	173.0	0.33	<0.05	0.9	0.146	0.06	0.4
I076263		1.9	11.0	<0.002	0.08	0.09	1.9	4	0.2	166.0	0.25	<0.05	0.6	0.086	0.02	0.3
I076264		1.8	10.5	<0.002	0.07	0.07	1.9	5	0.2	170.5	0.22	<0.05	0.6	0.087	0.02	0.3

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 5-AUG-2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10089877

Sample Description	Method / Analyte / Units / LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
I076229		5	0.4	3.1	18	9.3
I076230		112	1.2	14.7	72	7.3
I076231		<1	0.3	0.9	14	<0.5
I076232		174	0.3	15.2	96	4.3
I076233		165	1.4	13.4	39	22.1
I076234		162	1.1	17.5	24	16.7
I076235		140	2.2	8.9	28	50.5
I076236		109	1.3	8.4	14	43.8
I076237		36	1.3	3.4	6	9.2
I076238		15	0.8	3.6	15	1.3
I076239		7	1.0	4.7	3	1.0
I076240		13	9.5	5.8	9	0.8
I076241		8	0.5	4.4	6	0.9
I076242		8	0.6	5.2	51	0.9
I076243		6	0.6	4.0	26	0.6
I076244		9	1.1	2.9	67	0.5
I076245		8	0.7	2.9	192	0.8
I076246		8	1990	6.1	340	2.7
I076247		10	4.2	2.1	27	2.2
I076248		23	4.5	11.4	680	21.0
I076249		6	1.0	5.5	161	6.1
I076250		62	14.7	18.7	2250	36.4
I076251		18	20.0	9.5	429	18.0
I076252		30	40.6	12.2	862	27.5
I076253		37	13.3	14.6	540	31.1
I076254		2	0.4	1.0	24	0.7
I076255		30	10.1	11.5	938	26.9
I076256		19	10.3	9.9	470	19.1
I076257		45	34.4	15.6	885	41.2
I076258		30	11.9	13.1	524	25.4
I076259		42	30.1	13.8	429	29.8
I076260		48	17.3	15.0	726	35.1
I076261		53	0.4	12.1	28	53.0
I076262		17	0.4	8.4	22	12.0
I076263		8	0.3	6.7	16	10.3
I076264		9	0.2	6.4	15	10.3

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 5-AUG-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10089877

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 3-AUG-2010
Account: RCM

CERTIFICATE VA10089878

Project: RAU

P.O. No.: BATCH 48

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 24-JUL-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Project: RAU

Finalized Date: 3-AUG-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10089878

Sample Description	Method	WEI-21	Au-AA26	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
I076193		7.94	<0.01	0.21	9.24	3.7	2210	1.96	0.14	3.63	0.05	120.0	46.3	150	23.0	45.9
I076194		3.18	0.01	0.16	8.96	2.3	5650	2.02	0.04	2.21	0.03	95.9	58.6	310	18.75	0.5
I076195		3.84	<0.01	0.16	6.63	1.5	6480	1.27	0.04	6.68	0.09	81.1	50.4	241	7.05	70.3
I076196		8.08	<0.01	0.17	7.44	2.2	120	1.27	0.06	4.78	0.09	86.0	47.6	268	2.84	58.9
I076197		7.40	<0.01	0.17	7.11	9.2	960	1.12	0.04	5.34	0.09	82.6	45.9	257	6.99	70.5
I076198		4.30	0.01	0.24	8.32	25.8	960	1.40	0.11	3.06	0.05	100.5	56.5	328	10.20	95.6
I076199		4.72	0.02	0.19	8.24	140.0	2770	1.56	1.15	0.45	0.03	95.8	37.0	397	27.0	65.3
I076200		4.32	0.03	0.55	7.38	676	2650	0.99	7150	0.23	0.13	96.0	46.5	320	8.26	130.5
I076201		5.02	0.01	0.45	2.01	1570	2010	0.77	877	0.27	0.72	32.5	20.0	44	4.00	307
I076202		2.88	0.02	0.10	0.54	303	1120	0.17	3.41	36.4	0.78	10.15	1.7	12	0.23	4.7
I076203		5.82	0.04	0.15	0.41	526	420	0.12	1.02	34.9	0.71	6.14	1.8	9	0.70	3.1
I076204		5.20	<0.01	0.02	0.07	7	<10	0.05	0.21	21.7	0.06	1.44	1.6	3	0.15	1.7
I076205		4.10	0.73	0.46	11.00	1210	2900	3.85	2.47	1.06	0.02	155.5	14.6	170	11.65	20.5
I076206		7.36	0.02	0.31	10.20	16.1	2780	3.68	0.24	1.49	<0.02	205	21.7	119	13.15	14.8
I076207		6.88	0.05	0.35	10.05	1100	2350	2.99	0.24	1.22	0.02	207	12.0	111	13.10	2.5
I076208		5.34	<0.01	<0.01	0.08	7	10	0.07	0.15	21.6	0.05	1.71	1.7	3	0.15	2.0
I076209		4.16	0.12	0.52	8.50	604	200	2.73	3.93	3.62	2.11	144.0	20.7	126	6.42	32.2
I076210		7.20	0.20	0.35	1.94	99	230	0.58	6.91	18.30	0.79	32.1	7.2	44	1.15	10.8
I076211		10.62	0.16	0.22	2.95	94	280	0.79	2.64	19.50	0.49	43.4	9.9	66	1.99	12.6
I076212		0.28	0.38	1.68	0.15	6560	40	0.07	74.4	16.55	2.34	15.85	1.7	8	0.35	17.1
I076213		7.64	<0.01	2.10	9.25	516	660	2.79	1.87	4.02	22.5	119.0	38.1	245	4.94	58.2
I076214		10.88	0.01	<0.01	8.34	182.5	1400	3.29	0.23	2.17	0.11	182.0	7.6	104	10.30	1.7
I076215		8.40	0.01	<0.01	7.80	10.6	1400	3.41	0.25	2.64	0.15	127.5	7.2	57	10.05	<0.2
I076216		8.28	0.03	0.02	1.00	13	210	0.42	0.08	32.9	0.20	14.15	1.8	10	0.85	3.1
I076217		10.54	<0.01	<0.01	0.12	10	40	0.10	0.14	36.7	0.78	2.76	0.9	4	<0.05	1.1
I076218		4.70	<0.01	0.02	1.84	<5	190	0.36	0.10	25.8	0.02	26.1	11.1	163	2.99	8.3
I076219		2.52	0.01	0.04	1.66	<5	180	0.32	0.03	25.7	0.02	24.6	10.3	152	2.72	7.9
I076220		3.46	<0.01	0.03	3.62	21	400	0.57	0.08	16.45	0.04	32.1	19.6	171	6.28	15.4
I076221		5.30	<0.01	0.03	1.53	<5	230	0.31	0.04	29.2	0.13	15.35	6.5	59	0.56	7.2
I076222		5.76	0.01	0.06	0.40	8	80	0.30	0.23	21.2	0.95	3.42	1.2	5	0.58	2.2
I076223		4.16	<0.01	<0.01	0.15	<5	50	0.13	0.14	32.2	0.02	2.10	0.6	2	0.20	1.9
I076224		1.16	4.64	0.12	0.25	>10000	80	0.09	66.4	15.80	0.04	6.84	1.0	3	1.39	8.6
I076225		1.42	0.18	0.07	0.53	356	100	0.16	57.3	18.65	0.04	9.03	1.0	7	2.55	4.1
I076226		2.38	3.44	0.15	0.34	7070	50	0.09	343	14.50	0.06	9.48	0.9	5	2.09	4.7
I076227		0.28	2.67	0.73	0.16	1840	20	0.23	102.5	14.20	1.64	11.25	1.5	13	1.00	32.4
I076228		3.12	0.29	0.21	0.14	948	20	0.06	328	14.50	0.06	11.00	0.9	2	0.71	3.7

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Project: RAU

CERTIFICATE OF ANALYSIS VA10089878

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I076193		8.03	25.2	0.40	0.8	0.089	4.95	57.7	67.6	2.86	1460	0.45	0.53	50.4	114.5	3470
I076194		10.85	23.8	0.43	1.5	0.098	4.41	48.7	79.7	4.04	1210	0.18	0.14	27.2	352	1880
I076195		6.72	16.95	0.27	1.8	0.064	1.13	40.8	60.8	6.35	1480	0.51	0.11	23.0	241	2010
I076196		7.45	18.70	0.31	1.4	0.072	0.29	42.9	55.5	8.10	1020	0.37	0.68	28.0	247	2120
I076197		6.89	18.80	0.30	1.7	0.071	1.09	41.3	59.8	6.69	868	0.36	0.05	26.0	239	2010
I076198		8.45	21.3	0.38	1.8	0.083	1.17	50.2	62.1	8.21	873	0.22	0.01	32.9	287	2550
I076199		8.66	22.0	0.34	2.5	0.071	3.77	46.9	50.2	4.17	383	0.42	0.06	27.3	213	2200
I076200		11.55	21.8	0.88	2.0	0.037	4.35	48.3	26.2	1.43	199	1.32	0.11	7.6	155.5	1930
I076201		12.90	8.95	0.65	1.2	0.009	0.61	19.7	8.9	1.27	383	1.97	0.04	3.6	81.2	730
I076202		0.91	1.43	0.06	0.3	0.011	0.19	7.3	1.3	0.26	320	0.15	<0.01	2.5	<0.2	180
I076203		1.11	1.14	<0.05	0.2	0.007	0.13	4.8	1.4	0.37	361	0.18	<0.01	1.9	0.9	170
I076204		0.45	0.54	0.47	<0.1	<0.005	0.01	0.7	1.2	13.00	202	0.08	<0.01	0.4	1.2	220
I076205		6.18	33.3	0.33	1.9	0.113	5.03	86.1	44.4	1.08	307	1.76	0.15	54.1	33.9	2630
I076206		6.10	31.0	0.40	2.9	0.127	4.93	95.5	55.1	1.09	584	1.93	0.18	115.5	40.5	2890
I076207		7.29	30.2	0.40	1.0	0.104	4.73	99.8	64.2	1.12	467	0.73	0.12	143.0	35.3	1610
I076208		0.46	0.56	0.38	<0.1	<0.005	0.03	0.8	1.3	13.00	204	0.06	<0.01	0.7	0.9	220
I076209		8.58	26.8	0.32	1.6	0.386	4.07	65.5	24.5	0.87	1420	1.40	0.06	90.2	67.9	1930
I076210		6.39	4.95	0.10	1.0	0.028	0.76	16.5	9.9	8.08	1200	0.53	<0.01	15.2	18.7	520
I076211		5.70	7.59	0.11	1.3	0.045	1.10	22.3	13.3	4.10	1320	0.75	<0.01	22.9	25.1	770
I076212		11.00	1.37	0.14	0.1	0.136	0.04	6.1	2.3	8.95	4730	2.18	<0.01	1.4	3.8	160
I076213		6.59	32.0	0.30	2.4	0.158	4.68	52.1	25.4	0.98	552	3.19	0.10	56.2	146.0	2370
I076214		6.11	24.6	0.35	2.2	0.094	4.22	100.5	24.8	0.83	1120	0.93	0.09	79.1	28.7	1080
I076215		5.32	23.4	0.33	0.6	0.108	4.12	69.3	17.4	0.64	1000	0.31	0.18	61.8	22.0	1270
I076216		0.87	2.80	0.13	0.3	0.011	0.52	8.6	2.2	0.31	511	0.07	<0.01	8.8	2.8	230
I076217		0.22	0.44	0.19	0.1	<0.005	0.05	2.2	0.2	0.18	337	<0.05	<0.01	0.8	<0.2	50
I076218		2.82	4.31	0.14	0.2	0.024	1.07	13.5	15.1	1.33	517	0.32	0.04	10.9	26.5	290
I076219		2.60	3.89	0.13	0.2	0.024	0.99	12.7	13.9	1.25	510	0.29	0.04	10.1	24.2	270
I076220		4.18	7.94	0.16	0.2	0.039	2.26	17.2	31.1	2.17	485	0.34	0.05	13.5	55.1	540
I076221		1.82	3.15	0.12	0.4	0.014	0.88	9.1	8.3	0.65	400	0.71	<0.01	6.7	19.1	120
I076222		0.42	1.05	0.23	0.2	0.008	0.20	1.8	2.9	11.45	596	1.47	<0.01	0.7	0.2	20
I076223		0.16	0.51	0.34	0.1	0.036	0.08	1.3	1.3	3.86	226	0.24	<0.01	0.3	<0.2	10
I076224		12.80	1.59	0.26	0.2	0.140	0.16	2.8	2.6	7.30	2920	0.42	<0.01	0.5	0.6	30
I076225		4.82	2.14	0.12	0.2	0.087	0.35	4.0	5.3	10.40	3050	0.11	<0.01	0.8	0.8	30
I076226		14.00	2.27	0.27	0.2	0.082	0.23	4.5	2.8	7.86	2920	0.15	<0.01	0.6	0.2	30
I076227		10.15	1.03	0.24	0.1	0.049	0.08	5.6	2.6	8.57	1780	4.44	<0.01	0.7	7.9	80
I076228		12.35	1.03	0.25	0.1	0.061	0.09	5.4	2.2	8.24	3050	0.12	<0.01	0.4	<0.2	30

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 3-AUG-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10089878

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I076193		2.2	128.0	0.005	<0.01	0.28	18.6	4	4.1	135.5	3.14	0.05	6.8	1.040	1.22	1.1
I076194		2.4	135.5	0.010	0.07	0.19	30.7	3	2.1	108.0	2.04	<0.05	7.0	1.100	0.65	0.7
I076195		4.4	47.3	0.010	0.16	0.14	18.9	2	2.2	328	1.50	<0.05	5.3	0.611	0.26	1.0
I076196		3.7	16.6	<0.002	0.01	0.13	20.2	3	1.2	146.0	1.77	<0.05	6.1	0.721	0.12	0.9
I076197		4.2	36.1	0.002	<0.01	0.27	19.9	3	1.5	78.5	1.64	<0.05	6.2	0.615	0.26	1.2
I076198		1.8	52.5	0.002	<0.01	0.39	23.2	3	1.9	51.6	2.04	<0.05	7.2	0.766	0.45	1.2
I076199		1.4	230	0.005	0.72	0.74	24.1	4	3.8	110.0	1.69	<0.05	7.5	0.677	2.03	2.1
I076200		36.0	306	<0.002	1.14	52.5	18.4	7	6.7	211	0.43	12.50	8.3	0.265	2.07	3.8
I076201		8.8	68.9	0.002	0.12	6.85	4.3	4	3.9	29.1	0.21	2.58	2.7	0.123	0.60	2.4
I076202		1.8	8.5	<0.002	<0.01	0.38	1.6	2	0.2	166.0	0.16	<0.05	0.4	0.072	0.05	0.3
I076203		6.8	6.5	<0.002	0.01	0.70	1.2	2	0.2	134.5	0.11	<0.05	0.3	0.050	0.07	0.3
I076204		1.3	1.4	<0.002	<0.01	<0.05	0.3	2	<0.2	46.6	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
I076205		2.3	153.0	0.004	0.86	1.04	20.6	3	6.8	41.8	3.07	0.05	11.8	0.786	1.12	1.9
I076206		2.2	121.5	0.005	0.27	0.50	17.9	4	4.3	61.8	6.91	0.05	14.6	1.485	1.21	4.6
I076207		2.0	149.5	0.004	0.12	1.09	11.7	3	4.4	58.4	8.49	0.08	21.5	1.010	1.36	0.6
I076208		1.2	1.5	<0.002	0.01	<0.05	0.3	2	<0.2	44.0	<0.05	<0.05	<0.2	0.008	<0.02	0.8
I076209		16.2	154.0	<0.002	6.02	2.13	11.9	3	16.5	29.0	5.36	0.06	11.6	0.716	1.13	1.3
I076210		46.1	26.6	<0.002	7.42	2.45	3.9	2	1.1	117.5	0.94	<0.05	2.1	0.255	0.55	0.8
I076211		19.8	36.3	<0.002	5.23	0.94	5.9	2	1.7	149.0	1.38	<0.05	2.9	0.387	0.33	1.1
I076212		108.0	5.2	<0.002	9.71	3.49	0.6	2	3.9	117.0	<0.05	0.12	0.6	0.012	0.06	0.4
I076213		361	66.4	0.003	4.53	9.66	25.0	4	5.6	44.8	3.31	0.05	8.2	0.991	1.11	2.0
I076214		2.8	149.0	0.002	0.07	2.10	14.7	3	14.7	43.2	5.28	0.05	21.8	1.025	0.94	1.1
I076215		3.7	167.0	<0.002	0.05	1.81	12.8	3	15.1	58.4	3.74	<0.05	12.5	0.716	0.89	0.8
I076216		3.6	17.3	<0.002	0.01	0.12	2.0	2	0.5	210	0.58	<0.05	2.4	0.093	0.07	0.2
I076217		1.8	1.6	<0.002	<0.01	<0.05	0.6	2	<0.2	150.0	<0.05	<0.05	0.2	0.018	<0.02	0.1
I076218		3.0	22.1	<0.002	0.62	0.07	13.0	2	0.4	271	0.67	<0.05	1.2	0.396	0.06	0.2
I076219		2.5	19.2	<0.002	0.54	0.06	12.1	2	0.3	270	0.61	<0.05	1.1	0.373	0.05	0.2
I076220		3.8	40.4	<0.002	0.63	0.18	16.0	2	0.7	163.5	0.83	<0.05	2.0	0.507	0.15	0.2
I076221		2.8	14.7	<0.002	0.80	0.30	6.0	2	0.3	264	0.38	<0.05	1.1	0.184	0.04	0.3
I076222		9.0	10.5	<0.002	0.25	0.94	1.0	2	0.3	55.0	<0.05	<0.05	0.6	0.021	0.10	0.5
I076223		0.7	2.6	<0.002	0.06	0.12	0.5	2	<0.2	121.0	<0.05	<0.05	0.3	0.006	0.02	0.6
I076224		3.4	11.4	<0.002	>10.0	4.44	1.2	2	0.5	99.0	<0.05	0.19	0.3	0.011	0.12	0.6
I076225		2.2	24.8	<0.002	3.44	2.19	1.1	2	0.3	101.5	0.05	<0.05	0.7	0.025	0.19	0.8
I076226		3.9	25.9	<0.002	>10.0	5.70	1.1	3	0.4	92.0	<0.05	0.23	0.4	0.015	0.17	0.6
I076227		95.4	11.4	0.023	>10.0	5.23	2.0	5	4.4	72.6	<0.05	0.13	0.5	0.010	0.38	0.2
I076228		4.4	9.6	<0.002	>10.0	4.01	0.8	3	0.3	103.0	<0.05	0.14	0.3	0.007	0.07	0.5

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 3-AUG-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10089878

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	As-OG62
	Analyte	V	W	Y	Zn	Zr	As
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
I076193		173	0.9	26.7	106	29.7	
I076194		142	0.5	19.9	125	55.2	
I076195		167	0.5	18.2	114	77.0	
I076196		187	0.3	16.6	108	59.6	
I076197		175	0.4	19.4	114	71.4	
I076198		202	0.7	21.8	161	75.4	
I076199		217	2.6	20.8	77	106.0	
I076200		175	7.6	15.4	88	94.1	
I076201		58	7.5	10.9	313	51.8	
I076202		13	1.1	8.3	110	10.6	
I076203		11	2.2	5.6	178	7.9	
I076204		4	0.1	0.9	23	0.5	
I076205		184	8.5	23.0	27	87.6	
I076206		176	1.7	41.1	46	117.5	
I076207		113	1.7	36.1	66	40.5	
I076208		5	0.1	0.9	16	0.6	
I076209		117	5.5	26.5	563	73.8	
I076210		35	2.0	10.9	224	39.8	
I076211		54	2.9	16.5	179	53.2	
I076212		8	149.0	6.2	497	3.6	
I076213		194	5.6	27.0	5200	107.5	
I076214		123	2.9	32.8	98	75.6	
I076215		84	3.8	24.0	90	19.3	
I076216		23	0.6	6.8	29	12.3	
I076217		7	0.1	2.7	85	2.9	
I076218		61	0.1	9.6	29	5.4	
I076219		55	<0.1	9.4	26	6.0	
I076220		78	0.1	10.3	56	4.7	
I076221		21	0.1	6.0	35	11.4	
I076222		6	0.8	1.5	258	5.1	
I076223		6	<0.1	0.9	6	1.8	
I076224		7	80.6	6.4	15	4.0	1.030
I076225		8	1.0	6.8	18	6.8	
I076226		7	42.3	7.0	17	4.6	
I076227		10	2030	5.4	371	3.1	
I076228		7	69.2	6.5	20	1.9	

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 3-AUG-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10089878

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 5-AUG-2010
Account: RCM

CERTIFICATE VA10089879

Project: RAU

P.O. No.: BATCH 46

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 24-JUL-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ATAC RESOURCES LTD.**
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Project: RAU

Finalized Date: 5-AUG-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10089879

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA26 Au ppm 0.01	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
I076121		14.92	6.92	0.11	0.10	>10000	20	<0.05	127.5	12.20	0.09	20.6	3.2	<1	0.28	6.2
I076122		7.08	5.89	0.14	0.14	>10000	30	0.06	121.0	13.70	0.09	28.2	2.1	1	0.34	5.7
I076123		5.48	0.22	0.05	0.34	7500	100	0.22	41.6	18.50	0.18	12.65	1.5	2	0.45	4.0
I076124		5.60	0.30	0.26	0.38	>10000	70	0.33	28.4	2.01	0.94	22.6	1.7	2	1.65	15.7
I076125		9.34	1.83	0.10	0.33	>10000	80	0.20	59.8	1.95	0.77	11.25	0.8	<1	6.76	5.8
I076126		4.96	0.96	0.23	0.34	>10000	50	0.26	50.0	1.17	0.89	13.45	3.1	<1	2.75	15.8
I076127		5.64	4.29	0.37	0.32	>10000	90	0.44	85.6	1.54	1.25	25.6	5.9	2	8.36	11.8
I076128		0.26	8.33	25.2	5.39	8.9	40	1.39	1.14	1.47	0.03	6.70	9.5	42	61.2	20.8
I076129		5.20	11.65	4.10	0.15	>10000	30	0.05	245	1.45	3.09	9.64	1.3	<1	1.87	13.0
I076130		0.90	4.73	2.90	0.07	>10000	20	<0.05	311	1.15	1.21	12.70	1.9	<1	0.64	6.3
I076131		1.54	5.02	1.66	0.22	>10000	70	0.18	398	1.13	0.86	17.00	2.2	<1	0.74	6.5
I076132		3.90	1.38	27.3	0.12	>10000	20	0.21	282	3.08	7.92	11.85	1.9	<1	0.19	15.3
I076133		7.54	0.69	27.4	0.14	>10000	30	<0.05	591	10.25	9.91	5.08	1.5	<1	0.29	18.9
I076134		14.70	1.01	3.30	0.14	8660	30	0.15	68.1	13.25	4.19	4.19	0.8	<1	0.28	7.6
I076135		7.54	0.01	0.03	0.09	77	20	0.10	0.48	21.7	0.08	1.36	1.2	<1	0.15	2.2
I076136		12.08	1.01	2.82	0.03	>10000	10	<0.05	96.9	12.55	2.83	5.90	0.9	<1	0.20	6.3
I076137		14.12	0.47	1.16	0.07	>10000	10	0.09	259	17.10	0.70	6.66	1.0	<1	0.35	3.3
I076138		3.84	0.11	0.18	0.05	8790	10	0.07	2.86	19.45	5.03	7.52	0.9	<1	0.48	7.6
I076139		16.28	0.45	5.63	0.10	>10000	20	0.09	208	15.15	2.17	5.79	1.0	<1	0.35	5.4
I076140		12.00	0.09	0.99	0.22	1060	40	0.06	77.5	16.90	1.26	7.33	1.2	1	0.42	3.5
I076141		4.48	0.56	0.08	0.24	9340	60	0.09	84.7	18.40	0.36	11.10	1.7	<1	0.34	2.7
I076142		5.40	1.14	1.46	0.15	>10000	40	0.09	101.0	17.95	0.38	12.60	1.2	<1	0.28	3.3
I076143		0.28	1.36	0.65	4.92	84.2	90	1.10	1.81	1.01	0.15	10.90	25.5	153	22.6	465
I076144		1.98	1.80	5.06	0.24	>10000	50	0.13	145.5	1.78	3.96	12.10	1.5	2	3.55	12.8
I076145		6.76	0.62	0.48	0.36	>10000	90	0.19	63.0	1.20	1.05	12.95	1.2	2	0.48	14.8
I076146		3.60	0.81	0.24	0.16	>10000	50	0.11	56.6	10.50	0.80	10.50	0.9	<1	0.25	4.9
I076147		9.40	0.11	1.00	0.27	5990	90	0.18	24.6	17.80	2.29	8.47	1.2	3	0.36	11.7
I076148		10.32	0.18	0.17	0.12	>10000	60	0.14	5.65	20.6	0.60	7.13	1.3	1	0.28	3.2
I076149		8.16	0.16	0.06	0.14	>10000	120	0.15	13.90	20.1	0.46	7.15	1.3	1	0.21	3.3
I076150		1.72	1.42	1.96	0.26	>10000	430	0.23	28.1	12.55	2.43	18.45	4.5	<1	0.49	3.7
I076151		6.72	0.37	0.84	0.73	>10000	420	0.73	39.5	1.73	5.50	49.5	9.3	4	0.78	72.0
I076152		2.94	0.20	0.90	0.89	>10000	340	0.47	15.35	1.40	2.68	26.0	7.4	10	0.92	74.9
I076153		7.00	5.42	1.15	0.30	>10000	290	0.15	53.2	1.24	3.33	16.15	2.7	2	0.16	20.3
I076154		7.64	0.01	0.01	0.08	91	20	0.06	0.14	20.9	0.09	1.28	1.1	<1	0.17	2.3
I076155		6.66	0.29	0.37	0.57	>10000	400	0.28	116.5	0.81	5.06	21.2	4.5	2	0.67	46.0
I076156		10.40	0.15	0.44	0.98	>10000	610	0.37	7.07	0.89	7.13	29.5	6.0	10	0.85	31.8

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 5-AUG-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10089879

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I076121		15.90	0.73	0.28	0.1	0.237	0.03	10.9	1.4	6.73	2170	0.23	0.01	0.5	3.9	90
I076122		15.50	0.96	0.27	0.1	0.254	0.05	15.2	1.6	7.51	2470	0.10	0.01	0.6	0.7	110
I076123		7.81	1.85	0.15	0.2	0.076	0.13	7.4	3.6	10.80	1520	0.13	0.01	1.4	0.2	240
I076124		46.4	2.71	0.84	0.2	0.245	0.08	9.9	1.4	0.59	923	0.44	0.01	0.4	5.3	250
I076125		39.5	2.40	0.70	0.1	0.362	0.28	5.0	1.7	0.09	838	0.21	0.04	0.3	1.9	300
I076126		45.1	2.27	0.92	0.1	0.292	0.23	5.3	1.7	0.14	3630	0.74	0.01	0.3	7.8	220
I076127		40.6	2.98	0.80	0.2	0.431	0.24	10.4	2.4	0.18	7380	1.14	0.02	0.3	13.9	230
I076128		2.31	16.20	0.08	0.9	0.014	3.83	2.8	19.6	0.70	330	21.5	1.25	2.0	17.3	690
I076129		41.8	1.79	0.85	0.1	0.428	0.17	3.2	1.5	0.12	3390	1.43	0.01	0.2	6.2	220
I076130		>50	1.72	0.81	0.1	0.251	0.04	4.8	0.8	0.12	8030	1.57	0.01	0.8	4.5	270
I076131		46.1	3.70	0.82	0.1	0.399	0.11	5.8	1.3	0.16	19000	1.40	0.01	0.3	6.0	390
I076132		42.3	1.82	0.76	0.2	0.707	0.05	4.6	0.8	1.22	6910	0.36	0.01	0.2	6.0	310
I076133		23.6	1.59	0.65	0.1	0.295	0.08	2.0	1.6	5.54	3080	0.15	0.01	0.6	2.7	140
I076134		16.60	1.13	0.28	0.1	0.216	0.06	2.2	1.5	7.54	2110	0.06	0.01	0.6	<0.2	80
I076135		0.49	0.27	<0.05	<0.1	<0.005	0.03	0.7	1.1	12.95	222	0.22	0.02	0.2	<0.2	220
I076136		18.25	0.44	0.32	<0.1	0.136	0.01	2.4	1.2	6.89	2840	0.05	0.01	0.2	<0.2	60
I076137		9.65	0.74	0.17	<0.1	0.152	0.03	2.7	1.9	9.22	4010	<0.05	0.01	0.3	<0.2	100
I076138		5.62	0.81	0.12	<0.1	0.759	0.01	3.6	2.3	10.35	6740	0.05	0.01	0.1	<0.2	90
I076139		13.10	1.09	0.24	0.1	0.188	0.05	2.3	1.5	8.22	3890	0.05	0.01	0.4	<0.2	100
I076140		9.40	1.63	0.16	0.1	0.116	0.09	2.9	1.7	9.46	4140	0.07	0.01	0.8	<0.2	150
I076141		10.65	1.76	0.21	0.1	0.140	0.10	4.8	1.7	7.35	5270	0.08	0.01	0.5	<0.2	190
I076142		14.40	1.28	0.25	0.1	0.158	0.06	6.1	1.3	5.79	4800	0.16	0.01	0.5	<0.2	170
I076143		1.96	14.55	0.15	1.6	0.042	3.61	6.2	8.0	0.38	287	4.70	1.16	2.7	475	440
I076144		47.4	2.54	0.94	0.1	0.356	0.18	4.6	1.5	0.22	4320	0.82	0.02	0.5	6.1	180
I076145		44.9	2.59	0.72	0.2	0.280	0.11	5.9	0.9	0.16	2480	0.86	0.01	0.6	5.3	290
I076146		25.0	0.93	0.40	<0.1	0.129	0.04	5.6	1.3	5.68	1700	0.37	0.01	0.4	1.3	170
I076147		9.74	1.44	0.17	0.1	0.071	0.09	5.7	3.1	9.81	2240	0.32	0.01	1.0	<0.2	250
I076148		6.78	0.78	0.14	0.1	0.070	0.04	4.4	1.8	9.12	2160	0.19	0.01	0.5	<0.2	130
I076149		9.09	0.74	0.15	0.1	0.058	0.03	4.4	2.4	7.78	2750	0.19	0.01	0.5	<0.2	120
I076150		25.4	2.38	0.43	0.1	0.236	0.10	10.7	1.8	3.10	14250	0.88	0.02	0.7	16.0	280
I076151		44.1	6.01	0.89	0.2	0.344	0.15	19.1	12.1	0.23	26700	3.04	0.02	0.6	25.8	290
I076152		47.1	5.13	0.73	0.5	0.268	0.32	9.4	2.3	0.23	10000	1.78	0.02	0.9	21.6	330
I076153		>50	1.48	0.76	0.1	0.274	0.16	9.9	1.3	0.13	4270	2.33	0.01	0.4	18.5	220
I076154		0.50	0.30	0.10	<0.1	<0.005	0.05	0.6	1.1	12.80	207	0.08	<0.01	0.3	<0.2	190
I076155		>50	2.43	0.77	0.1	0.250	0.13	12.0	2.3	0.16	7130	2.13	0.01	1.0	22.3	260
I076156		48.4	3.16	0.47	0.2	0.086	0.39	20.8	3.5	0.17	5950	1.99	<0.01	2.8	25.0	390

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 5-AUG-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10089879

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I076121		6.9	2.7	0.003	>10.0	11.05	0.6	6	0.2	90.7	<0.05	3.08	<0.2	0.008	0.08	0.3
I076122		6.7	3.8	0.003	>10.0	10.20	0.7	6	0.3	101.5	<0.05	2.62	<0.2	0.012	0.08	0.3
I076123		6.0	6.8	<0.002	2.80	2.21	1.1	3	0.4	65.1	0.08	0.15	0.3	0.031	0.05	0.7
I076124		5.7	14.4	<0.002	0.26	21.9	2.0	4	2.0	37.7	<0.05	0.40	0.4	0.010	0.19	3.5
I076125		7.8	70.7	0.009	0.43	16.25	1.8	32	1.9	183.0	<0.05	0.81	0.3	0.010	0.29	3.0
I076126		12.0	31.6	0.002	0.38	11.20	2.2	10	2.5	114.5	<0.05	0.34	0.3	<0.005	0.17	4.0
I076127		16.9	74.6	0.004	0.25	13.25	4.4	5	2.8	75.7	<0.05	0.32	0.3	0.008	0.28	3.4
I076128		7.2	1630	<0.002	0.03	0.89	7.8	1	1.1	63.4	0.22	<0.05	0.6	0.269	14.85	0.3
I076129		337	32.9	0.012	0.20	17.45	1.9	23	5.6	60.4	<0.05	0.48	0.2	0.006	0.22	1.9
I076130		42.4	9.2	0.002	0.45	12.55	0.5	6	37.7	31.2	<0.05	0.47	0.2	<0.005	0.06	0.8
I076131		34.8	11.2	0.007	1.46	16.60	2.4	5	2.7	33.8	<0.05	0.59	0.2	0.006	0.16	0.5
I076132		2250	3.9	<0.002	4.15	10.55	1.9	19	10.2	39.2	<0.05	0.35	<0.2	<0.005	0.06	0.7
I076133		2210	5.1	<0.002	>10.0	12.75	1.6	7	13.1	76.0	<0.05	0.65	0.3	0.013	0.07	0.9
I076134		336	5.9	<0.002	>10.0	3.16	0.5	3	6.1	56.3	0.05	0.14	<0.2	0.006	0.04	0.3
I076135		2.9	1.4	<0.002	0.02	0.05	0.5	2	<0.2	47.7	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
I076136		530	0.8	0.004	>10.0	5.84	0.5	2	2.1	88.6	<0.05	0.24	<0.2	<0.005	0.07	0.6
I076137		43.7	2.5	0.002	8.20	6.92	0.6	2	1.2	117.5	<0.05	0.30	<0.2	<0.005	0.04	0.4
I076138		28.3	1.8	0.004	1.05	2.03	1.1	3	5.2	95.9	<0.05	0.07	<0.2	<0.005	0.07	0.1
I076139		353	3.9	0.003	>10.0	7.33	0.6	2	2.8	105.0	<0.05	0.21	0.2	0.005	0.09	0.9
I076140		30.4	6.1	<0.002	7.11	2.30	1.1	2	1.3	119.5	0.05	0.06	0.2	0.012	0.06	0.2
I076141		6.9	5.0	0.003	1.01	3.98	0.9	2	0.5	103.5	<0.05	0.12	0.2	0.013	0.10	0.2
I076142		14.4	3.5	0.003	0.25	7.39	0.9	2	0.8	90.9	<0.05	0.22	0.2	0.011	0.15	0.4
I076143		174.0	920	<0.002	0.29	2.39	3.4	3	3.0	52.7	2.09	0.14	2.1	0.078	7.85	0.8
I076144		193.5	32.5	0.002	0.26	13.35	3.1	6	3.8	77.2	<0.05	0.35	0.2	0.009	0.21	1.3
I076145		22.9	8.4	<0.002	0.20	5.13	1.4	5	1.3	27.0	<0.05	0.15	0.9	0.012	0.12	2.0
I076146		11.5	3.8	<0.002	0.07	2.90	0.8	4	0.3	37.3	<0.05	0.09	0.2	0.006	0.05	0.9
I076147		81.6	9.0	<0.002	0.03	1.57	0.9	3	2.6	46.1	0.06	0.05	0.4	0.022	0.08	0.5
I076148		15.3	3.9	<0.002	0.03	2.42	0.8	2	0.9	64.4	<0.05	0.09	0.2	0.009	0.09	0.6
I076149		5.5	2.4	<0.002	0.02	2.93	0.6	2	0.3	52.3	<0.05	0.06	0.2	0.009	0.06	0.7
I076150		104.0	8.6	<0.002	0.03	6.30	1.2	2	3.8	46.6	<0.05	0.15	0.3	0.014	0.31	2.1
I076151		29.8	12.5	<0.002	0.06	13.20	2.9	1	4.9	51.6	<0.05	0.57	1.1	0.014	0.59	4.7
I076152		31.4	26.6	<0.002	0.12	9.05	1.8	2	6.5	35.9	<0.05	0.20	1.6	0.029	0.46	3.3
I076153		63.4	4.7	0.005	0.25	11.35	0.9	2	3.2	34.9	<0.05	0.14	0.7	0.008	0.22	4.2
I076154		2.0	2.0	<0.002	0.01	0.07	0.2	3	<0.2	45.5	<0.05	<0.05	<0.2	<0.005	0.02	0.7
I076155		42.0	5.4	<0.002	0.07	9.12	1.5	3	0.5	21.7	0.06	0.22	0.9	0.025	0.13	3.2
I076156		8.2	12.8	0.002	0.10	8.37	2.5	3	0.4	25.0	0.16	0.22	1.1	0.062	0.24	2.6

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 5-AUG-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10089879

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	As-OG62
	Analyte	V	W	Y	Zn	Zr	As
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
I076121		6	205	8.3	17	4.4	5.01
I076122		8	187.5	9.7	16	4.9	4.16
I076123		10	12.2	8.3	21	9.7	
I076124		14	15.3	15.3	83	5.3	5.14
I076125		10	321	9.0	71	4.9	11.90
I076126		10	35.1	12.4	444	4.5	7.39
I076127		23	194.5	22.5	304	7.4	8.56
I076128		59	0.4	9.0	30	36.5	
I076129		10	690	13.4	867	7.3	7.27
I076130		8	58.3	16.2	228	2.7	5.30
I076131		15	347	14.7	317	5.2	5.41
I076132		10	5.2	14.7	1520	2.5	4.69
I076133		7	4.3	5.7	1400	5.0	1.300
I076134		8	38.5	4.0	602	4.6	
I076135		4	0.2	0.9	22	<0.5	
I076136		4	270	5.9	545	0.8	2.06
I076137		5	72.1	7.5	182	2.0	1.190
I076138		13	253	8.4	1020	0.8	
I076139		7	175.5	6.0	419	2.7	1.320
I076140		10	12.6	8.3	278	5.2	
I076141		8	239	8.2	117	4.5	
I076142		8	220	8.9	126	3.7	2.19
I076143		21	8.8	3.9	143	62.8	
I076144		14	21.1	11.5	815	4.2	6.24
I076145		25	36.3	8.7	467	7.2	4.35
I076146		11	34.1	8.1	197	1.9	1.880
I076147		11	30.0	6.8	358	6.3	
I076148		9	6.4	6.4	150	3.3	1.130
I076149		6	48.8	6.0	97	3.1	1.120
I076150		12	9.4	17.5	691	5.6	3.26
I076151		24	104.5	28.2	708	9.6	6.04
I076152		22	55.9	12.9	654	18.7	4.81
I076153		9	278	14.2	1080	6.3	4.49
I076154		5	0.6	0.9	20	0.5	
I076155		9	50.6	9.7	1260	5.0	3.17
I076156		15	8.2	26.4	1140	9.5	3.43

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To: **ATAC RESOURCES LTD.**
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Project: RAU

Finalized Date: 5-AUG-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10089879

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 22-JUL-2010
Account: RCM

CERTIFICATE VA10090963

Project: RAU

P.O. No.: Batch 33

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 6-JUL-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
LOG-23	Pulp Login - Rcvd with Barcode
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Chemex
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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 22-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10090963

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA26 Au ppm 0.01	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
I075653		3.88	0.16	1.35	6.76	6880	7470	2.88	47.0	0.27	1.74	53.4	24.2	69	6.99	40.8
I075654		3.96	0.21	2.57	2.27	>10000	2670	1.00	105.5	0.47	7.36	44.0	15.2	31	2.08	48.5
I075655		0.26	7.15	24.6	5.32	16.4	40	1.63	1.37	1.45	0.05	7.04	9.5	38	62.5	22.5
I075656		3.52	0.18	7.10	1.00	>10000	310	0.40	468	0.93	15.85	73.0	5.6	46	1.86	59.0
I075657		4.60	0.15	2.90	0.97	>10000	950	0.88	195.5	0.75	16.55	40.4	9.6	22	1.16	71.9
I075658		3.00	0.08	2.85	0.93	>10000	460	1.08	378	0.81	17.30	46.6	9.8	24	9.81	52.2
I075659		5.00	0.15	1.26	1.94	>10000	1480	0.84	70.5	0.59	13.60	28.1	9.2	28	1.89	53.9
I075660		2.26	0.21	1.93	1.42	>10000	4220	0.50	60.8	0.77	15.00	27.1	8.0	20	1.16	48.1
I075661		2.20	0.10	1.41	1.48	>10000	>10000	0.78	71.5	0.76	17.60	30.5	9.0	18	1.68	48.5
I075662		1.10	0.13	1.53	1.20	>10000	790	0.68	15.10	0.52	17.25	27.5	9.1	10	0.73	31.4
I075663		2.18	0.10	0.32	0.33	2500	160	0.15	1.98	28.9	1.95	7.74	2.4	3	0.15	7.7
I075664		2.68	0.07	0.22	0.26	1500	290	0.12	1.22	30.7	1.19	4.85	1.7	3	0.20	12.7
I075665		6.10	<0.01	0.01	0.06	25	30	0.06	0.08	21.0	0.07	1.22	1.2	1	0.13	1.5
I075666		3.92	0.08	0.10	0.73	55	160	0.26	6.38	18.65	0.08	9.56	4.3	17	0.76	6.0
I075667		2.46	0.07	0.17	0.54	84	110	0.27	5.71	19.95	0.44	7.02	3.3	11	0.39	4.4
I075668		2.84	0.09	1.52	0.15	2500	40	0.35	6.44	12.35	25.8	11.50	7.9	<1	0.18	13.0
I075669		5.46	0.06	0.22	0.13	102	30	0.06	3.42	18.40	0.53	6.47	1.5	2	0.28	4.5
I075670		2.72	0.05	0.22	0.11	122	30	0.07	5.18	18.50	0.15	9.09	1.5	1	0.24	5.4
I075671		2.96	0.13	0.26	0.11	86	40	0.10	9.57	18.80	0.15	6.08	1.7	1	0.22	2.6
I075672		1.86	0.10	0.18	0.18	75	50	0.13	5.09	18.65	0.20	5.12	1.5	1	0.30	2.6
I075673		2.16	0.07	0.15	0.28	91	50	0.17	6.86	17.55	0.23	5.20	1.3	1	0.43	3.0
I075674		3.84	0.18	0.17	0.08	58	50	0.07	7.37	18.05	0.08	5.03	4.9	2	0.33	4.5
I075675		2.28	0.37	0.19	0.46	90	90	0.18	19.00	15.65	0.05	10.60	10.1	4	2.10	6.4
I075676		0.28	3.79	0.23	0.08	>10000	10	<0.05	202	9.14	0.07	5.69	1.3	8	0.54	22.9
I075677		1.48	0.04	0.50	6.86	63.5	310	3.65	3.74	3.68	0.35	94.0	23.2	50	12.80	29.1
I075678		2.30	0.02	0.23	7.21	39.9	1110	3.69	1.26	7.91	0.07	97.9	23.7	40	26.3	36.1
I075679		3.98	<0.01	<0.01	0.07	5	10	0.08	0.05	19.95	0.05	1.24	1.2	1	0.19	1.7
I075680		1.48	0.05	0.29	4.03	17.9	290	1.49	2.66	7.41	<0.02	54.4	57.1	28	26.8	43.5
I075681		0.66	0.03	0.24	4.11	8.5	220	1.44	1.89	8.47	<0.02	55.0	41.8	29	27.3	39.2
I075682		2.08	0.01	0.23	5.95	26.2	980	2.93	1.46	8.90	<0.02	86.0	36.8	36	27.7	47.7
I075683		1.94	0.02	0.37	6.66	7.1	530	2.35	1.97	6.51	0.04	97.0	91.4	40	22.5	94.9
I075684		2.38	0.02	0.16	7.40	3.9	1730	2.85	0.74	7.31	0.02	116.0	50.9	48	27.2	53.3
I075685		5.48	<0.01	0.20	6.79	12.9	1310	3.21	0.77	8.23	0.05	105.5	36.6	45	31.1	40.7
I075686		5.34	<0.01	0.25	7.23	5.6	1870	2.75	0.78	9.28	0.11	109.5	39.2	45	29.3	35.0
I075687		10.70	<0.01	0.07	6.56	4.2	460	1.29	0.04	7.07	0.10	46.1	58.5	252	3.73	79.8
I075688		11.22	<0.01	0.14	6.57	0.7	220	1.35	0.03	6.73	0.07	48.9	62.7	232	3.72	64.4

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I075653		23.6	27.1	0.31	0.5	0.118	3.17	36.5	16.7	0.58	403	1.06	0.23	9.1	89.8	870
I075654		43.3	12.30	0.67	0.4	0.286	1.09	25.2	6.6	0.20	3560	1.62	0.08	3.6	48.5	1050
I075655		2.27	15.95	0.14	1.0	0.022	3.38	3.1	17.1	0.66	318	19.75	1.26	1.9	15.5	670
I075656		41.8	15.60	0.61	0.4	0.793	1.24	36.3	10.2	0.11	2520	2.56	0.02	2.4	21.6	1360
I075657		47.2	8.19	0.69	0.2	0.442	0.46	18.3	4.3	0.11	3300	3.88	0.03	1.2	32.0	760
I075658		45.3	10.00	0.64	0.2	0.495	0.88	22.2	8.1	0.13	3330	4.38	0.02	1.1	39.7	940
I075659		46.2	7.60	0.63	0.6	0.238	0.78	15.6	4.3	0.15	2550	2.68	0.05	2.7	32.4	660
I075660		45.0	6.12	0.57	0.3	0.245	0.51	15.4	4.0	0.13	3230	3.68	0.09	2.1	27.7	630
I075661		44.9	5.52	0.62	0.3	0.186	0.47	17.2	2.8	0.15	3330	2.76	0.32	1.9	33.1	570
I075662		47.4	3.57	0.65	0.3	0.098	0.31	16.2	2.0	0.16	3820	2.25	0.01	1.5	28.0	410
I075663		6.33	0.86	0.13	0.2	0.019	0.12	5.5	0.9	0.32	910	0.45	0.01	1.3	4.5	160
I075664		3.64	0.77	0.08	0.1	0.015	0.11	3.9	0.7	0.71	960	0.32	0.01	1.4	2.8	130
I075665		0.45	0.32	0.17	<0.1	<0.005	0.03	0.6	1.1	12.00	194	0.07	0.01	0.3	1.5	190
I075666		2.12	3.05	0.10	0.6	0.016	0.34	6.1	5.5	9.68	649	0.28	0.01	5.2	14.6	350
I075667		2.39	2.19	0.10	0.4	0.019	0.17	4.6	7.7	10.40	945	0.36	0.01	3.1	9.4	290
I075668		17.60	1.05	0.30	0.1	0.197	0.04	6.8	0.8	6.27	7250	2.40	<0.01	1.3	24.5	340
I075669		3.59	0.94	0.10	0.1	0.171	0.06	2.9	1.6	9.57	2500	0.22	0.01	0.8	4.0	150
I075670		5.76	0.83	0.14	0.1	0.201	0.05	4.2	1.4	8.94	3110	0.17	0.01	0.6	3.9	130
I075671		4.84	0.68	0.13	0.1	0.042	0.05	4.2	1.9	9.52	1160	0.29	0.01	0.9	4.2	120
I075672		3.42	1.10	0.09	0.1	0.053	0.08	3.2	2.4	10.15	1160	0.11	0.01	1.0	5.1	100
I075673		4.83	2.01	0.13	0.1	0.076	0.11	2.7	3.1	9.21	1500	0.12	0.01	0.9	3.1	70
I075674		4.39	0.63	0.11	0.1	0.056	0.05	3.3	1.8	9.65	1050	0.33	0.01	1.1	10.1	240
I075675		9.44	2.31	0.23	0.3	0.035	0.25	6.0	3.2	8.25	1130	0.37	0.01	3.4	20.4	300
I075676		19.75	0.74	0.37	0.1	0.105	0.05	2.3	1.1	4.72	1660	4.95	<0.01	1.2	7.4	70
I075677		9.17	27.9	0.28	0.6	0.062	3.52	41.9	40.5	2.64	219	0.28	0.33	28.7	90.2	840
I075678		6.47	32.8	0.28	0.4	0.061	3.63	47.0	45.5	4.15	457	0.21	0.50	27.2	101.0	1070
I075679		0.43	0.31	0.19	<0.1	<0.005	0.03	0.6	1.1	11.40	182	0.09	0.01	0.4	2.0	170
I075680		12.60	19.80	0.32	0.8	0.056	2.53	25.0	38.0	3.00	584	0.14	0.14	19.8	129.5	1500
I075681		10.65	20.3	0.26	0.4	0.063	2.53	25.9	39.2	3.16	654	0.09	0.13	18.7	122.0	1570
I075682		7.40	32.0	0.23	0.6	0.327	3.47	42.1	37.5	3.55	2290	0.12	0.17	24.2	93.8	1190
I075683		9.84	35.3	0.30	0.4	0.062	3.84	46.6	36.5	2.50	470	0.15	0.30	28.8	169.5	1210
I075684		5.67	36.2	0.27	0.5	0.055	3.98	57.7	47.7	3.15	501	0.16	0.47	30.0	130.0	780
I075685		5.41	34.6	0.26	1.2	0.054	3.84	53.2	48.9	3.59	541	0.10	0.24	31.7	94.4	920
I075686		3.92	28.7	0.25	2.0	0.049	4.53	53.9	45.5	3.64	510	0.16	0.16	32.8	117.0	1750
I075687		7.43	18.60	0.22	1.9	0.067	0.55	23.2	42.8	5.00	1080	0.61	1.24	32.3	229	1270
I075688		7.84	19.75	0.24	2.3	0.067	0.47	24.7	42.2	5.93	1220	0.96	1.36	34.2	237	1310

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	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I075653		301	109.5	0.009	0.81	49.8	15.8	3	2.6	72.3	0.50	0.07	3.5	0.367	0.90	3.6
I075654		159.5	51.0	0.006	0.92	31.4	6.9	3	1.6	218	0.18	0.16	2.9	0.115	0.80	5.3
I075655		7.0	1390	<0.002	0.03	0.96	8.0	1	1.1	70.0	0.25	<0.05	0.6	0.261	14.70	0.3
I075656		235	21.7	0.003	1.94	12.15	9.1	4	9.1	697	0.12	0.88	1.9	0.015	1.07	6.6
I075657		259	13.3	0.005	0.66	36.2	4.3	3	0.7	282	<0.05	0.32	1.1	0.014	0.69	8.1
I075658		253	70.6	0.006	1.31	65.4	5.2	3	0.6	612	<0.05	0.43	1.2	0.011	1.19	6.6
I075659		137.0	23.6	0.003	0.28	18.90	4.4	2	0.7	64.7	0.12	0.20	1.9	0.065	0.72	4.6
I075660		36.0	15.6	0.006	0.41	8.25	3.9	3	0.5	94.8	0.09	0.23	1.7	0.043	0.87	4.9
I075661		46.4	20.9	0.014	0.50	13.95	3.3	2	0.5	82.3	0.08	0.18	1.3	0.037	0.82	4.4
I075662		32.4	12.0	0.003	0.05	6.34	3.0	3	0.2	21.8	0.06	0.07	1.0	0.038	0.43	3.3
I075663		5.9	4.2	<0.002	0.06	1.38	1.2	2	<0.2	119.5	0.05	<0.05	0.3	0.023	0.10	0.6
I075664		5.4	7.7	<0.002	0.05	1.61	1.1	2	0.4	111.5	0.06	<0.05	0.3	0.025	0.11	0.4
I075665		1.2	1.6	<0.002	0.01	<0.05	0.4	1	<0.2	44.1	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
I075666		2.1	13.3	0.002	1.94	1.38	2.3	1	0.4	63.0	0.25	<0.05	1.0	0.071	0.25	0.6
I075667		19.0	6.8	0.004	2.11	1.98	1.5	1	0.3	65.9	0.15	<0.05	0.7	0.045	0.36	0.6
I075668		1125	3.5	0.002	2.99	15.10	1.0	4	3.1	36.2	0.05	0.07	0.3	0.012	0.14	5.2
I075669		26.0	6.5	<0.002	2.31	1.01	0.7	2	0.7	84.2	<0.05	<0.05	<0.2	0.007	0.13	0.2
I075670		4.9	4.1	<0.002	4.53	0.66	0.9	3	0.3	101.5	<0.05	0.05	1.4	0.005	0.09	0.3
I075671		9.6	3.3	<0.002	5.38	1.41	0.7	3	0.3	64.9	0.05	0.06	<0.2	0.007	0.09	0.1
I075672		14.4	6.5	<0.002	3.41	0.99	0.6	2	0.5	65.4	0.05	0.06	<0.2	0.006	0.13	0.1
I075673		8.6	9.7	<0.002	4.60	1.03	0.9	3	0.6	72.8	<0.05	<0.05	0.2	0.006	0.16	0.2
I075674		6.4	3.9	<0.002	4.65	1.31	0.5	2	0.4	55.3	0.05	0.06	<0.2	<0.005	0.08	0.2
I075675		3.8	15.9	<0.002	>10.0	2.11	1.5	3	0.2	62.6	0.18	0.07	0.5	0.050	0.16	0.3
I075676		6.5	6.9	0.004	>10.0	19.95	0.3	5	1.7	60.4	<0.05	0.63	0.2	0.006	0.12	0.5
I075677		13.2	82.1	<0.002	8.26	1.16	16.8	2	2.8	58.4	1.68	<0.05	3.9	0.906	1.06	0.6
I075678		5.4	147.5	<0.002	3.43	0.75	17.4	2	3.1	95.0	1.57	<0.05	4.3	0.931	1.36	0.4
I075679		1.1	1.5	<0.002	0.01	<0.05	0.4	1	<0.2	42.4	<0.05	<0.05	<0.2	0.007	<0.02	0.5
I075680		2.9	132.0	<0.002	>10.0	0.78	10.2	2	2.8	42.1	1.22	<0.05	3.0	0.742	1.27	0.4
I075681		2.3	135.5	<0.002	8.35	0.64	10.7	2	3.0	43.9	1.11	<0.05	2.9	0.735	1.28	0.3
I075682		2.4	245	<0.002	3.31	2.30	14.8	2	18.1	52.6	1.40	<0.05	3.9	0.895	1.64	0.3
I075683		5.2	168.5	<0.002	5.76	0.79	16.0	2	5.5	63.0	1.58	0.05	4.3	0.916	1.39	0.4
I075684		3.0	190.0	0.002	2.06	0.51	18.2	2	6.8	92.9	1.71	0.10	4.8	1.020	1.80	0.5
I075685		6.8	236	0.002	1.83	0.75	17.1	2	6.4	64.9	1.80	0.17	4.8	1.060	2.19	0.5
I075686		11.5	275	0.004	1.47	0.47	18.2	2	6.6	49.3	1.98	0.14	5.2	1.065	2.21	0.8
I075687		4.4	33.9	<0.002	0.01	0.10	29.2	2	1.3	303	1.86	<0.05	3.2	1.125	0.12	0.8
I075688		3.9	23.0	<0.002	<0.01	0.12	28.8	2	1.3	414	2.01	<0.05	3.5	1.145	0.09	0.7

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VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 22-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10090963

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	As-OG62
	Analyte	V	W	Y	Zn	Zr	As
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
I075653		147	403	10.4	1580	21.4	
I075654		76	246	20.7	2740	15.6	2.35
I075655		55	1.7	8.3	33	36.6	
I075656		47	34.7	19.0	1640	11.8	5.22
I075657		44	378	30.7	3420	8.7	3.39
I075658		38	630	24.3	2330	7.4	4.15
I075659		37	127.0	27.8	3030	24.5	2.60
I075660		31	56.3	24.3	2160	15.5	3.31
I075661		26	101.5	35.2	2690	12.2	2.59
I075662		21	39.3	37.4	2770	12.0	2.17
I075663		5	4.0	8.2	472	4.3	
I075664		3	4.6	5.7	257	5.6	
I075665		2	0.2	0.9	17	<0.5	
I075666		21	1.8	6.3	35	23.3	
I075667		15	2.2	5.9	123	14.8	
I075668		22	4.2	10.5	4970	7.0	
I075669		17	7.3	8.4	171	4.1	
I075670		18	23.9	10.7	44	3.6	
I075671		13	0.7	5.5	48	5.0	
I075672		21	0.7	5.2	61	4.5	
I075673		19	0.7	6.2	68	4.2	
I075674		41	0.8	5.1	23	6.9	
I075675		33	1.8	6.4	11	14.1	
I075676		4	267	4.8	13	3.4	6.23
I075677		162	2.8	11.5	60	24.5	
I075678		152	2.3	17.5	36	18.2	
I075679		3	0.2	0.8	13	0.5	
I075680		103	1.3	15.8	38	26.2	
I075681		107	1.1	15.9	40	14.9	
I075682		143	3.4	17.8	44	25.4	
I075683		155	1.9	15.3	28	15.3	
I075684		172	2.0	15.0	34	22.9	
I075685		175	2.3	16.1	34	55.2	
I075686		169	2.6	19.9	33	80.3	
I075687		237	0.6	20.5	90	82.4	
I075688		235	0.6	21.3	89	91.3	

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 22-JUL-2010
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CERTIFICATE OF ANALYSIS VA10090963

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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CERTIFICATE VA10090964

Project: RAU

P.O. No.: Batch 31

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 6-JUL-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA26	Ore Grade Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS VA10090964

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA26 Au ppm 0.01	Au-GRA22 Au ppm 0.05	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05
I075581		3.40	1.74		10.05	0.65	>10000	1780	0.23	563	0.79	8.64	6.40	2.5	18	0.67
I075582		1.74	2.13		6.59	0.55	>10000	3020	0.13	469	0.79	7.17	5.43	2.1	13	0.67
I075583		2.30	17.40		99.6	0.63	>10000	130	0.19	6050	1.97	0.45	4.16	0.2	8	0.61
I075584		3.14	31.2		55.9	0.29	>10000	5420	0.17	520	1.70	0.40	6.64	0.2	8	0.23
I075585		2.52	>100	172.5	>100	0.49	>10000	9690	0.16	1330	0.38	0.38	10.90	0.3	15	0.13
I075586		6.80	0.10		0.25	0.12	181	70	<0.05	9.05	20.8	0.07	1.48	1.0	3	0.22
I075587		4.14	48.6		15.25	0.34	>10000	3460	0.16	2780	1.72	1.29	6.59	0.6	24	0.53
I075588		9.24	7.69		4.23	1.37	>10000	7290	0.46	272	0.69	2.80	12.05	4.4	26	2.13
I075589		9.96	7.21		3.49	0.44	>10000	1080	0.91	648	0.53	2.95	12.95	3.2	9	0.75
I075590		5.84	1.11		1.44	0.23	>10000	580	0.29	556	0.45	2.53	38.2	4.3	10	0.33
I075591		0.26	0.38		6.59	4.82	0.6	70	1.04	1.35	1.26	0.03	19.80	8.5	29	21.5
I075592		5.56	0.59		1.33	0.57	>10000	760	0.32	47.2	0.43	2.23	11.40	9.8	7	0.13
I075593		4.86	0.33		1.11	1.37	>10000	3090	0.66	63.5	0.47	3.07	20.3	9.2	16	0.64
I075594		3.68	0.33		0.73	1.53	>10000	3130	0.81	49.1	0.40	3.79	19.45	12.8	16	0.58
I075595		1.98	0.28		0.92	1.72	>10000	450	0.88	28.9	0.51	5.99	38.0	9.7	21	0.47
I075596		0.68	2.11		0.40	5.37	>10000	5030	2.01	2.92	0.61	7.37	60.5	10.6	24	1.81
I075597		4.18	0.70		0.41	5.39	>10000	950	2.06	8.14	0.46	3.11	76.6	14.0	42	3.09
I075598		6.82	<0.01		0.02	0.08	21	20	0.06	0.12	20.4	0.06	1.45	1.3	1	0.27
I075599		10.22	0.02		0.12	1.72	33	230	0.65	0.35	28.4	0.06	24.9	4.2	17	0.90
I075600		8.30	<0.01		0.05	0.57	18	100	0.17	0.26	33.5	0.07	9.92	3.7	8	0.21
I075601		7.24	<0.01		0.09	0.81	18	150	0.32	0.07	31.3	0.10	25.3	14.7	28	0.20
I075602		3.48	<0.01		0.04	0.05	27	30	0.13	0.92	20.5	0.04	4.64	1.1	2	0.15
I075603		2.38	0.01		0.08	0.06	119	20	0.16	1.98	19.75	0.13	6.03	1.1	3	0.15
I075604		3.10	0.15		0.72	0.10	1260	40	0.05	69.4	14.90	0.18	42.4	1.0	<1	0.16
I075605		1.78	0.13		0.64	8.33	126.5	300	2.48	12.25	1.13	0.05	202	13.5	151	3.11
I075606		0.88	0.12		0.60	7.88	121.5	400	2.10	13.30	2.18	0.06	181.5	11.0	131	3.07
I075607		2.74	0.21		1.43	0.15	1550	40	0.06	270	10.20	0.06	14.05	2.0	<1	0.19
I075608		4.02	0.06		0.22	5.94	184.0	230	1.27	40.8	9.38	0.06	37.3	3.7	31	2.27
I075609		4.16	0.03		0.11	2.91	111	270	0.80	5.55	14.55	0.09	30.1	3.1	21	1.72
I075610		4.80	0.06		0.14	0.23	362	60	0.16	67.5	16.65	0.35	13.10	1.3	4	0.29
I075611		3.52	0.02		0.16	0.14	433	70	0.14	29.3	16.35	0.93	5.90	1.5	1	0.29
I075612		3.42	0.03		0.05	0.17	122	50	0.07	5.34	20.4	0.03	6.83	1.1	8	0.22
I075613		1.38	0.08		0.08	0.13	721	40	0.09	51.2	12.15	0.06	6.10	0.8	3	0.12
I075614		3.90	0.27		1.41	0.23	1160	50	0.06	158.0	10.55	4.02	5.70	1.6	6	0.32
I075615		0.28	2.94		0.69	0.16	1710	20	<0.05	94.9	15.00	1.56	9.51	1.7	12	0.93
I075616		3.70	0.03		0.06	0.27	77	80	0.08	2.06	19.50	0.04	5.67	1.6	4	0.32

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CERTIFICATE OF ANALYSIS VA10090964

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
I075581		30.8	>50	3.24	0.62	0.4	0.134	0.26	2.9	1.9	0.10	179	4.79	0.02	1.6	12.4
I075582		14.5	49.8	3.40	0.62	0.2	0.134	0.25	2.7	1.8	0.10	180	5.29	0.03	1.3	9.8
I075583		3.8	22.1	4.93	0.51	2.3	0.179	1.26	1.5	3.1	0.09	33	5.08	0.01	11.0	0.9
I075584		3.7	16.75	1.96	0.37	2.4	0.200	0.05	3.9	1.6	0.10	124	0.49	0.05	10.4	0.8
I075585		1.9	9.51	3.91	0.30	1.8	0.136	0.09	6.5	1.4	0.13	60	1.14	0.12	6.0	1.4
I075586		1.7	0.47	0.38	0.11	<0.1	<0.005	0.05	0.7	1.3	12.45	192	0.11	<0.01	0.4	2.4
I075587		36.2	30.9	5.41	0.60	1.1	1.030	0.25	3.5	2.2	0.06	144	4.22	<0.01	2.2	3.4
I075588		25.0	44.5	6.01	0.63	0.9	0.260	0.63	7.2	4.7	0.20	1100	3.68	0.08	4.2	23.2
I075589		17.2	>50	3.21	0.73	0.3	0.189	0.18	7.4	1.4	0.18	1000	4.21	<0.01	1.2	23.1
I075590		22.4	>50	2.91	0.72	0.1	0.224	0.08	25.5	0.7	0.12	1370	3.54	<0.01	0.7	17.1
I075591		13.1	2.01	15.15	0.17	1.2	0.020	3.42	10.7	10.3	0.60	280	9.58	1.20	2.3	8.3
I075592		54.7	>50	3.82	0.69	0.2	0.238	0.13	5.3	0.8	0.09	4270	1.85	<0.01	0.9	23.3
I075593		148.5	47.5	6.91	0.65	0.5	0.243	0.39	12.5	3.3	0.11	4000	0.91	0.03	1.2	21.8
I075594		84.9	47.6	6.85	0.65	0.5	0.192	0.43	11.7	3.0	0.17	3710	1.11	0.03	1.5	38.4
I075595		85.7	38.7	9.69	0.61	1.0	0.228	1.02	20.5	7.6	0.20	2440	0.56	<0.01	3.0	32.7
I075596		104.0	20.3	14.75	0.38	1.1	0.128	1.15	30.5	30.0	1.07	1090	1.02	0.05	3.0	56.2
I075597		66.5	19.25	28.6	0.34	0.4	0.110	2.55	38.9	19.6	0.66	792	0.71	0.04	5.2	47.9
I075598		2.3	0.47	0.31	0.15	<0.1	<0.005	0.04	0.7	1.2	12.85	197	0.13	0.01	0.3	0.2
I075599		6.2	1.29	4.24	0.11	1.0	0.020	1.04	14.3	7.8	1.18	315	0.68	0.01	11.4	7.1
I075600		2.5	0.70	1.24	0.09	0.4	0.006	0.32	5.4	2.2	0.82	495	0.93	0.01	3.8	6.1
I075601		6.7	2.28	1.79	0.09	0.5	0.013	0.27	12.3	1.9	1.01	1680	0.51	0.01	7.8	12.3
I075602		2.0	0.99	0.32	0.10	<0.1	0.027	0.03	3.2	2.2	12.55	917	0.07	0.01	0.4	1.5
I075603		2.0	3.09	0.35	0.09	<0.1	0.065	0.03	3.8	1.9	11.95	1520	0.08	0.01	0.4	1.0
I075604		4.6	10.30	0.98	0.22	0.1	0.084	0.04	29.2	1.6	8.41	2710	0.13	<0.01	0.5	1.8
I075605		15.8	4.25	39.0	0.28	4.1	0.118	3.83	104.5	26.5	1.25	234	0.57	0.17	65.9	39.8
I075606		15.1	4.41	33.5	0.28	4.3	0.107	3.35	111.0	21.7	1.86	446	0.55	0.18	55.3	36.4
I075607		5.8	18.20	0.88	0.31	0.1	0.059	0.08	8.1	1.5	5.74	2000	0.10	<0.01	1.2	6.9
I075608		5.2	5.22	14.90	0.18	1.4	0.048	2.96	22.1	20.0	5.45	740	0.26	0.05	26.9	13.0
I075609		6.0	2.90	8.69	0.11	0.8	0.041	1.45	18.6	5.7	8.79	990	0.50	0.03	16.9	9.0
I075610		2.8	6.65	1.20	0.13	0.1	0.074	0.10	8.1	1.8	9.92	1570	0.12	0.01	1.1	2.2
I075611		4.0	8.61	0.71	0.16	0.1	0.053	0.06	3.2	1.4	9.76	1580	0.44	0.01	0.8	2.5
I075612		2.2	2.91	0.87	0.08	0.1	0.027	0.08	4.1	1.8	12.35	959	0.08	0.01	0.9	3.9
I075613		2.8	11.45	0.80	0.21	0.1	0.083	0.07	2.9	1.3	6.77	2070	0.11	0.01	0.5	0.7
I075614		33.4	17.35	1.58	0.34	0.1	0.065	0.10	2.8	1.0	5.98	1960	0.18	<0.01	1.1	5.2
I075615		31.7	10.10	1.17	0.23	0.2	0.058	0.08	4.7	2.7	8.42	1800	4.80	<0.01	0.7	9.3
I075616		1.4	2.27	1.31	0.07	0.1	0.019	0.14	3.8	3.9	11.30	673	0.06	<0.01	1.4	3.8

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CERTIFICATE OF ANALYSIS VA10090964

Sample Description	Method / Analyte / Units / LOR	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02
I075581		250	294	13.7	<0.002	0.17	26.2	2.4	10	8.5	35.5	<0.05	0.39	1.0	0.043	0.18
I075582		260	179.5	12.4	<0.002	0.30	29.4	2.1	9	8.3	75.6	0.07	0.41	0.9	0.034	0.23
I075583		1170	5090	53.3	0.017	1.58	325	1.4	32	38.7	459	0.80	4.24	0.9	0.161	1.29
I075584		1470	3310	1.0	<0.002	0.17	88.3	1.1	27	32.4	155.5	0.59	1.32	0.9	0.155	0.20
I075585		240	1585	3.7	0.006	0.21	129.5	2.2	20	10.9	63.5	0.19	1.57	0.9	0.133	0.19
I075586		240	10.4	2.3	<0.002	<0.01	0.59	0.4	<1	<0.2	47.8	<0.05	<0.05	<0.2	0.006	<0.02
I075587		1650	1635	8.4	0.021	0.25	301	9.5	44	12.9	151.5	0.21	3.99	0.6	0.087	0.65
I075588		390	306	30.1	0.002	0.16	35.1	5.3	4	9.0	47.7	0.16	0.64	0.8	0.131	0.59
I075589		420	432	8.3	0.008	0.07	63.5	2.2	7	7.6	17.2	0.05	0.43	0.4	0.032	0.41
I075590		350	83.9	4.1	<0.002	0.05	30.5	2.2	9	7.9	14.8	<0.05	0.26	0.4	0.011	0.18
I075591		450	12.7	760	<0.002	0.01	0.66	7.5	<1	1.0	56.5	0.19	<0.05	1.5	0.242	5.81
I075592		490	37.1	6.3	0.002	0.11	6.53	2.2	7	0.3	23.6	<0.05	0.11	0.4	0.010	0.26
I075593		730	38.0	24.0	0.006	0.40	5.83	3.3	6	0.7	85.0	<0.05	0.09	1.2	0.024	0.28
I075594		730	60.8	17.7	0.004	0.23	9.52	3.0	4	1.4	35.2	0.05	0.11	1.5	0.033	0.18
I075595		1110	11.9	29.3	<0.002	1.17	14.20	4.5	4	0.7	117.0	0.16	0.14	1.7	0.078	0.25
I075596		1480	7.7	34.1	0.005	0.05	3.59	8.5	6	0.6	29.3	0.16	0.09	2.0	0.104	0.21
I075597		1720	7.2	73.1	<0.002	1.08	4.32	9.4	5	1.4	295	0.27	0.14	2.9	0.215	0.54
I075598		230	1.4	2.5	<0.002	0.02	0.06	0.4	1	<0.2	44.7	<0.05	<0.05	<0.2	0.006	<0.02
I075599		200	2.3	29.0	<0.002	0.01	0.13	3.3	2	0.5	234	0.70	<0.05	2.5	0.178	0.16
I075600		90	0.9	8.3	0.002	0.04	0.09	1.1	2	0.2	232	0.22	<0.05	0.9	0.056	0.07
I075601		530	3.1	6.8	0.002	0.07	0.22	2.7	2	0.3	214	0.44	0.05	1.4	0.136	0.07
I075602		70	2.0	2.0	<0.002	0.67	0.26	0.4	2	0.4	54.9	<0.05	<0.05	<0.2	0.005	0.02
I075603		50	3.3	2.0	<0.002	2.43	1.13	0.5	2	0.6	65.4	<0.05	<0.05	<0.2	0.005	0.05
I075604		120	11.0	2.7	0.002	>10.0	4.57	0.5	4	0.5	104.0	<0.05	0.07	0.4	<0.005	0.11
I075605		2100	4.8	143.0	0.002	3.92	3.32	12.8	2	14.4	22.2	3.84	0.17	14.4	0.934	0.82
I075606		1860	4.6	132.5	0.002	3.90	3.33	11.1	3	12.8	28.9	3.20	0.16	13.4	0.815	0.78
I075607		70	6.3	4.6	0.002	>10.0	7.14	0.5	6	0.4	69.5	<0.05	0.21	0.4	0.013	0.08
I075608		570	2.3	93.0	0.003	5.60	3.56	3.2	4	5.3	31.6	1.72	0.06	7.5	0.275	0.69
I075609		870	2.3	54.1	0.002	2.60	1.42	3.2	2	2.6	47.8	1.05	<0.05	4.7	0.194	0.52
I075610		110	10.9	7.6	0.002	6.69	3.64	0.6	3	1.4	59.8	0.06	0.06	0.5	0.016	0.13
I075611		60	22.2	4.5	0.003	7.52	4.03	0.7	6	0.4	57.2	<0.05	<0.05	0.3	0.007	0.32
I075612		110	1.4	3.6	<0.002	2.82	0.71	0.5	3	0.2	57.5	<0.05	<0.05	0.4	0.012	0.07
I075613		90	3.6	2.9	<0.002	>10.0	2.69	0.4	5	0.3	81.6	<0.05	0.05	<0.2	0.008	0.09
I075614		150	136.5	5.6	0.005	>10.0	15.60	0.5	6	0.5	71.9	<0.05	0.10	<0.2	0.015	0.26
I075615		80	104.5	11.1	0.028	>10.0	4.80	3.7	4	8.3	75.3	<0.05	0.08	0.5	0.008	0.39
I075616		150	2.3	5.4	<0.002	2.70	0.46	0.9	2	0.2	47.8	0.06	<0.05	0.2	0.023	0.05

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 22-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10090964

Sample Description	Method Analyte Units LOR	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Ag-OG62 Ag ppm 1	As-OG62 As % 0.001
I075581		2.7	22	80.9	5.8	1150	13.3		3.09
I075582		3.4	17	101.5	4.3	814	13.1		3.31
I075583		3.4	15	1390	1.8	36	76.6		15.25
I075584		4.6	11	155.5	2.7	50	98.2		18.25
I075585		2.5	16	470	1.7	166	67.8	198	2.55
I075586		0.7	5	2.9	0.9	17	0.9		
I075587		3.4	13	1190	2.4	302	36.2		15.10
I075588		1.8	31	249	7.9	1170	38.7		3.32
I075589		3.9	31	960	9.3	1300	11.3		2.50
I075590		2.0	17	142.0	11.2	2800	7.0		2.15
I075591		0.6	52	0.4	10.9	29	44.6		
I075592		4.3	25	31.5	13.8	2260	7.6		2.23
I075593		4.7	40	35.1	13.7	1580	18.7		2.73
I075594		4.8	49	45.6	13.1	1580	20.2		2.12
I075595		5.0	52	21.1	19.4	1190	38.2		2.47
I075596		6.1	66	8.5	36.7	813	41.7		1.585
I075597		2.2	110	12.0	16.8	417	17.8		1.115
I075598		0.5	2	0.2	0.9	17	<0.5		
I075599		0.7	19	0.6	6.7	25	44.3		
I075600		0.5	5	0.4	2.7	14	15.9		
I075601		0.8	20	0.3	13.7	8	24.6		
I075602		0.1	6	0.6	3.9	13	1.5		
I075603		0.2	6	0.7	4.1	38	1.3		
I075604		0.5	5	5.2	6.5	51	2.3		
I075605		4.8	151	19.6	13.0	29	173.5		
I075606		4.8	136	17.6	12.7	32	188.5		
I075607		0.2	6	107.5	6.9	13	3.6		
I075608		1.4	37	5.9	6.5	26	55.2		
I075609		0.7	29	3.8	6.8	28	32.5		
I075610		0.2	8	48.5	5.0	73	5.5		
I075611		0.4	7	1.1	4.4	231	4.3		
I075612		0.2	10	4.3	3.8	12	4.8		
I075613		0.2	6	1.4	4.8	25	2.4		
I075614		0.3	8	221	4.9	968	6.1		
I075615		0.1	8	2060	5.7	361	2.8		
I075616		0.2	10	1.4	4.6	6	6.4		

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 22-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10090964

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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To: **ATAC RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 21-JUL-2010
Account: RCM

CERTIFICATE VA10090965

Project: RAU

P.O. No.: Batch 32

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 6-JUL-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

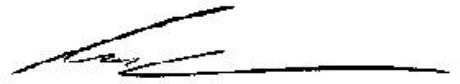
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LOG-23	Pulp Login - Rcvd with Barcode
CRU-31	Fine crushing - 70% <2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 
Colin Ramshaw, Vancouver Laboratory Manager

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Project: RAU

Finalized Date: 21-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10090965

Method	WEI-21	Au-AA26	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
Sample Description Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
LOR	0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
I075617	2.00	0.03	0.03	1.85	69	560	0.55	2.14	17.15	0.04	26.4	2.3	12	2.71	2.9
I075618	1.82	0.15	0.08	0.23	1110	80	0.05	92.1	13.50	0.06	42.5	0.8	1	0.30	4.7
I075619	1.94	0.14	0.07	0.18	1060	70	<0.05	110.0	12.35	0.06	30.2	0.7	1	0.27	5.1
I075620	1.86	0.06	0.05	0.36	370	80	0.09	15.10	15.75	0.05	11.55	0.9	3	0.39	3.3
I075621	2.00	0.36	0.08	0.04	1730	10	<0.05	83.7	11.35	0.06	17.80	0.5	<1	0.16	4.5
I075622	0.98	0.16	0.06	0.05	1120	10	<0.05	39.1	12.05	0.06	13.90	0.4	<1	0.14	4.3
I075623	2.10	0.10	0.07	0.35	1180	60	0.08	195.5	11.65	0.05	18.60	1.1	2	0.30	9.6
I075624	1.92	0.21	0.07	0.05	1540	20	<0.05	66.9	12.90	0.05	18.40	0.4	<1	0.14	6.4
I075625	2.74	0.16	0.06	0.17	774	40	<0.05	67.2	16.40	0.08	11.50	0.9	1	0.33	4.3
I075626	0.28	2.90	0.69	0.16	1680	20	0.13	100.5	14.60	1.45	13.25	1.6	14	1.00	35.1
I075627	5.60	0.06	0.05	0.16	418	30	0.10	33.4	15.90	0.07	5.86	0.7	2	0.22	3.2
I075628	1.98	0.06	0.09	0.12	561	20	<0.05	100.5	10.30	0.04	4.17	0.7	3	0.20	3.3
I075629	5.02	0.08	0.08	0.11	331	30	0.08	16.20	16.50	0.06	5.31	0.7	2	0.25	2.6
I075630	5.28	0.03	0.04	0.20	107	50	0.06	5.30	17.95	0.05	5.62	0.8	4	0.33	2.4
I075631	5.74	0.03	0.06	0.14	132	40	0.10	8.30	17.80	0.05	5.10	0.7	4	0.24	2.5
I075632	2.20	0.28	0.13	0.17	679	40	0.06	110.0	12.80	0.03	4.74	1.0	1	0.26	4.9
I075633	3.98	0.06	0.63	0.16	197	90	0.15	24.1	16.05	1.82	4.74	0.9	3	0.26	4.5
I075634	5.54	0.06	0.60	0.76	219	170	0.18	26.4	16.35	1.01	12.95	1.7	7	1.06	4.1
I075635	3.38	0.02	0.08	0.18	45	70	0.11	1.50	19.45	0.26	6.17	1.0	2	0.26	2.4
I075636	1.74	0.02	0.33	1.87	27	290	0.97	3.29	17.35	0.59	22.6	2.9	9	3.07	5.0
I075637	5.04	0.10	0.90	0.39	616	100	0.22	59.8	15.40	1.44	5.58	1.2	4	0.53	5.5
I075638	4.18	0.01	0.02	0.06	5	10	<0.05	0.33	20.6	0.07	1.56	1.0	1	0.13	1.8
I075639	4.04	0.03	1.47	0.11	573	30	0.05	51.4	16.30	0.41	8.78	0.7	1	0.22	6.8
I075640	4.14	0.01	0.01	0.06	<5	10	<0.05	0.28	20.1	0.07	1.47	0.9	<1	0.12	2.8
I075641	2.40	0.03	0.07	0.07	62	20	0.05	1.48	19.75	0.10	5.83	0.7	2	0.19	2.5
I075642	1.34	0.10	0.69	0.21	649	30	0.06	64.3	12.15	0.54	5.37	0.7	2	0.37	4.7
I075643	4.56	0.03	0.26	0.08	218	70	0.06	17.15	17.90	0.80	5.65	0.8	1	0.23	3.3
I075644	5.36	0.01	0.46	0.09	60	70	0.10	2.69	19.70	6.88	6.93	1.0	1	0.20	7.1
I075645	5.58	0.02	0.75	0.27	57	470	0.19	3.63	19.00	2.15	8.04	1.6	6	0.41	5.6
I075646	5.00	0.02	0.54	0.07	79	50	0.06	15.55	19.25	1.40	5.93	0.8	1	0.30	2.5
I075647	0.28	1.84	0.23	0.23	>10000	20	<0.05	250	12.40	0.22	18.20	2.2	7	1.09	27.7
I075648	5.38	0.05	0.31	0.09	175	70	0.08	2.77	18.65	1.45	6.07	1.4	1	0.26	4.6
I075649	3.72	0.26	0.32	3.40	>10000	230	1.19	29.3	0.51	3.76	82.1	12.8	38	4.59	51.0
I075650	3.74	0.10	0.30	8.20	8670	1210	3.05	15.15	0.21	0.60	42.9	2.0	77	7.18	18.3
I075651	2.38	0.07	0.41	10.75	2120	4320	3.19	13.30	0.08	0.09	17.65	1.3	98	12.90	2.3
I075652	3.26	0.09	1.41	10.15	2720	3780	2.46	2.21	0.35	0.40	39.9	16.8	91	12.80	10.2

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VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 21-JUL-2010
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CERTIFICATE OF ANALYSIS VA10090965

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I075617		1.75	6.98	<0.05	0.6	0.027	0.75	16.7	10.2	9.86	541	0.23	0.09	10.1	10.5	230
I075618		13.25	1.54	0.15	0.1	0.101	0.12	30.4	2.4	7.56	2300	0.08	0.01	1.0	2.2	140
I075619		13.95	1.17	0.12	0.1	0.116	0.11	16.2	1.9	7.06	2350	0.07	0.01	0.9	2.0	180
I075620		6.73	1.82	0.05	0.2	0.204	0.14	4.9	2.9	8.38	2570	0.08	0.01	2.0	3.1	200
I075621		14.35	0.34	0.15	<0.1	0.082	0.02	10.6	0.9	6.53	1920	0.06	0.01	0.3	0.7	100
I075622		11.85	0.35	0.09	<0.1	0.095	0.02	7.6	1.0	7.37	2190	0.06	0.01	0.3	0.5	130
I075623		14.70	1.84	0.14	0.3	0.148	0.14	10.5	2.8	6.99	2230	0.07	0.01	1.9	3.3	110
I075624		13.65	0.31	0.09	<0.1	0.111	0.02	11.4	1.1	7.46	1490	0.06	0.01	0.2	0.7	80
I075625		12.00	1.09	0.08	0.1	0.253	0.08	4.6	1.9	9.06	2900	0.07	0.01	0.8	1.7	80
I075626		10.05	1.19	0.33	<0.1	0.066	0.07	6.5	2.3	8.27	1720	4.63	0.01	1.0	10.5	80
I075627		7.50	0.81	<0.05	0.1	0.075	0.08	2.9	1.5	9.14	1220	0.10	0.01	0.6	2.7	100
I075628		10.35	0.66	0.08	0.1	0.046	0.03	1.8	1.2	5.76	1040	0.10	0.01	0.8	2.4	110
I075629		6.57	0.47	<0.05	0.1	0.042	0.05	2.7	1.5	9.29	1150	0.07	0.01	0.7	2.3	100
I075630		2.79	0.85	<0.05	0.1	0.031	0.08	3.4	2.0	10.05	890	0.08	0.01	1.5	3.0	100
I075631		3.26	0.56	<0.05	0.1	0.037	0.05	3.5	1.5	9.83	806	0.08	0.01	0.8	2.6	70
I075632		13.75	0.75	0.12	0.1	0.022	0.06	2.9	1.6	7.80	734	0.08	0.01	1.0	3.6	120
I075633		4.96	0.68	<0.05	0.1	0.077	0.05	3.0	1.7	9.11	1260	0.11	0.01	0.9	3.5	140
I075634		5.34	2.64	<0.05	0.4	0.049	0.37	7.5	4.3	9.30	795	0.10	0.01	4.9	6.0	200
I075635		1.41	0.75	<0.05	0.1	0.059	0.08	4.1	1.8	10.95	889	0.12	0.01	1.3	3.1	160
I075636		1.91	7.89	<0.05	0.7	0.272	0.96	13.3	6.3	9.31	2550	0.24	0.02	14.5	8.1	410
I075637		9.60	2.03	0.06	0.2	0.255	0.18	3.3	1.6	8.96	1810	0.22	0.01	2.2	4.5	120
I075638		0.44	0.17	<0.05	<0.1	0.005	0.03	0.7	0.8	12.15	197	0.13	0.01	0.3	2.3	190
I075639		8.09	0.78	<0.05	<0.1	0.225	0.05	3.4	1.4	9.10	2910	0.12	0.01	0.4	1.5	160
I075640		0.43	0.16	0.06	<0.1	0.006	0.02	0.7	0.7	11.85	190	0.12	<0.01	0.3	1.8	280
I075641		1.54	0.45	<0.05	<0.1	0.103	0.03	3.4	1.2	11.15	1660	0.09	0.01	0.4	2.5	120
I075642		12.05	1.26	0.11	<0.1	0.085	0.07	2.2	1.7	6.75	1600	0.10	0.01	0.4	2.3	150
I075643		4.47	0.50	<0.05	<0.1	0.089	0.03	3.0	1.7	10.15	1570	0.11	0.01	0.4	3.0	100
I075644		2.35	0.58	<0.05	0.1	0.172	0.03	4.4	1.4	11.15	2030	0.09	0.01	0.6	2.1	120
I075645		2.16	1.59	<0.05	0.2	0.206	0.12	5.1	1.6	10.45	2160	0.24	0.01	1.9	6.2	210
I075646		2.23	0.39	<0.05	<0.1	0.106	0.03	3.7	1.5	10.75	1720	0.56	0.01	0.4	2.4	90
I075647		14.80	1.40	0.12	0.2	0.081	0.09	8.4	1.7	6.81	3040	4.74	0.01	1.7	9.1	180
I075648		2.57	0.52	<0.05	0.1	0.097	0.04	3.7	1.4	10.50	1560	0.17	0.01	0.4	6.6	150
I075649		27.0	16.60	0.52	0.5	0.161	2.43	37.0	9.7	0.26	887	1.03	0.04	3.7	44.3	1700
I075650		9.65	28.1	0.27	0.2	0.163	5.00	24.0	20.8	0.63	131	0.94	0.12	15.5	13.1	740
I075651		5.99	27.0	0.18	0.3	0.171	6.15	9.5	29.9	0.88	32	0.70	0.17	38.8	14.0	200
I075652		13.85	23.8	0.34	2.3	0.145	5.63	28.7	24.5	0.82	90	1.26	0.16	18.4	70.6	310

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 21-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10090965

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I075617		2.5	35.0	<0.002	1.93	1.11	1.6	1	0.9	56.9	0.61	<0.05	3.3	0.083	0.19	0.6
I075618		4.4	5.6	0.003	>10.0	13.05	0.5	3	0.4	100.0	0.06	0.10	0.4	0.016	0.08	0.8
I075619		5.5	4.7	<0.002	>10.0	20.6	0.5	4	0.4	104.5	0.05	0.09	0.4	0.015	0.05	0.3
I075620		1.9	6.4	<0.002	6.61	5.38	0.7	2	0.3	114.5	0.11	<0.05	0.3	0.021	0.04	0.4
I075621		3.4	0.8	<0.002	>10.0	16.85	0.4	5	<0.2	101.0	<0.05	0.12	0.2	<0.005	<0.02	0.2
I075622		2.5	0.9	<0.002	>10.0	8.98	0.4	4	<0.2	115.5	<0.05	0.06	<0.2	<0.005	<0.02	0.3
I075623		3.1	6.7	<0.002	>10.0	38.4	0.4	4	0.3	99.2	0.12	0.12	0.3	0.019	0.06	0.5
I075624		3.4	1.1	0.002	>10.0	17.10	0.3	3	<0.2	78.8	<0.05	0.07	0.2	<0.005	0.02	0.2
I075625		4.0	4.1	0.002	>10.0	11.20	0.5	3	0.3	117.5	0.05	0.05	<0.2	0.008	0.05	0.2
I075626		107.0	13.4	0.007	>10.0	5.14	2.7	3	2.9	80.1	<0.05	0.12	0.5	0.010	0.42	0.2
I075627		3.1	3.7	<0.002	8.60	3.67	0.5	3	<0.2	64.4	<0.05	<0.05	0.2	0.010	0.05	0.2
I075628		3.3	1.7	<0.002	>10.0	4.13	0.6	6	0.3	48.5	0.05	0.06	<0.2	0.010	0.04	0.2
I075629		3.4	3.5	<0.002	7.58	1.05	0.5	3	0.2	60.1	<0.05	<0.05	0.3	0.007	0.05	0.2
I075630		3.1	6.3	0.002	2.97	0.54	0.6	2	0.5	55.6	0.08	<0.05	0.3	0.015	0.06	0.2
I075631		3.2	3.4	<0.002	3.65	0.70	0.5	3	0.2	53.3	0.05	<0.05	0.2	0.013	0.05	0.1
I075632		3.6	4.5	<0.002	>10.0	5.63	0.4	7	0.2	46.0	0.06	0.07	0.2	0.014	0.11	0.2
I075633		76.8	6.7	<0.002	5.51	1.47	0.6	4	3.5	46.1	0.05	<0.05	0.2	0.012	0.13	0.2
I075634		72.8	24.3	<0.002	6.37	1.45	0.9	4	2.2	47.2	0.30	<0.05	1.2	0.047	0.22	0.3
I075635		13.3	5.6	<0.002	1.31	0.34	0.5	1	1.0	49.3	0.07	<0.05	0.3	0.014	0.05	0.1
I075636		53.0	109.5	<0.002	1.31	0.60	1.5	1	33.9	50.1	0.83	<0.05	4.3	0.103	0.50	0.7
I075637		41.5	26.7	<0.002	>10.0	3.38	0.4	6	0.2	41.8	0.12	0.07	0.6	0.019	0.17	0.3
I075638		1.4	1.4	<0.002	0.04	<0.05	0.3	1	<0.2	43.8	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
I075639		31.0	5.0	0.002	8.29	3.15	0.5	2	1.4	99.7	<0.05	0.05	<0.2	<0.005	0.13	0.2
I075640		1.5	1.3	<0.002	0.02	<0.05	0.3	1	<0.2	41.0	<0.05	<0.05	<0.2	<0.005	<0.02	0.8
I075641		3.5	4.3	<0.002	0.95	0.48	0.4	1	0.9	68.5	<0.05	<0.05	<0.2	0.005	0.06	0.2
I075642		43.9	8.0	<0.002	>10.0	4.34	0.6	8	0.8	70.9	<0.05	0.05	<0.2	<0.005	0.13	0.2
I075643		38.5	3.6	0.002	4.49	1.37	0.5	2	0.8	68.4	<0.05	<0.05	<0.2	<0.005	0.10	0.2
I075644		87.7	4.1	<0.002	1.80	0.61	0.5	2	5.7	61.3	<0.05	<0.05	0.2	0.008	0.05	0.2
I075645		189.0	16.6	<0.002	1.36	0.94	0.7	2	6.5	71.1	0.10	<0.05	0.4	0.024	0.14	0.4
I075646		52.5	4.1	<0.002	1.73	1.16	0.5	1	2.0	59.0	<0.05	<0.05	<0.2	0.005	0.05	0.1
I075647		8.4	17.2	0.002	>10.0	10.55	0.5	2	2.0	81.1	0.08	0.20	0.5	0.021	0.20	0.5
I075648		61.5	5.4	0.002	1.77	1.00	0.5	1	2.0	56.9	<0.05	<0.05	<0.2	0.005	0.07	0.2
I075649		8.5	92.0	<0.002	2.47	3.69	7.1	4	0.9	571	0.18	0.10	3.5	0.174	0.70	3.1
I075650		12.6	127.5	<0.002	1.54	2.95	21.7	13	2.5	232	0.97	0.05	3.2	0.882	0.82	1.0
I075651		55.0	150.5	0.002	1.16	3.02	27.5	9	3.4	49.0	2.23	<0.05	3.4	1.450	0.97	0.4
I075652		15.2	197.5	0.003	0.96	7.60	23.8	6	2.5	51.3	0.88	<0.05	4.4	0.600	1.41	1.1

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 21-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10090965

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	As-OG62
	Analyte	V	W	Y	Zn	Zr	As
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
I075617		14	2.1	4.6	7	21.9	
I075618		10	431	7.8	15	6.2	
I075619		9	81.5	7.5	15	5.9	
I075620		10	12.4	9.9	14	5.5	
I075621		6	13.2	6.4	13	2.5	
I075622		7	10.7	7.0	14	2.1	
I075623		12	36.2	8.3	19	10.9	
I075624		7	44.8	5.9	11	1.1	
I075625		10	77.1	10.1	21	5.0	
I075626		8	2070	5.8	350	3.7	
I075627		8	10.2	4.8	14	3.7	
I075628		6	89.3	4.1	9	4.8	
I075629		7	70.2	4.7	11	3.3	
I075630		10	44.7	4.3	9	4.7	
I075631		8	1.0	3.5	13	3.2	
I075632		8	1.9	3.3	7	4.5	
I075633		9	1.2	3.2	530	4.4	
I075634		13	1.2	4.5	239	12.1	
I075635		9	0.9	4.0	61	1.8	
I075636		15	4.1	6.4	161	28.2	
I075637		11	1.3	3.8	241	7.2	
I075638		2	0.2	0.9	15	<0.5	
I075639		12	100.5	8.5	92	2.3	
I075640		2	0.5	0.9	14	<0.5	
I075641		11	2.7	4.6	30	2.3	
I075642		11	149.0	6.0	140	1.9	
I075643		11	7.5	4.6	203	1.8	
I075644		9	0.9	5.0	1320	3.0	
I075645		14	2.0	5.1	513	9.0	
I075646		11	17.6	4.9	314	2.0	
I075647		6	58.0	7.3	57	6.8	2.73
I075648		18	0.9	5.5	349	2.8	
I075649		88	25.2	11.6	525	21.8	2.23
I075650		137	27.9	5.0	131	10.2	
I075651		175	29.5	1.9	41	11.7	
I075652		143	39.4	7.7	242	129.5	

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 21-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10090965

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 22-JUL-2010
Account: RCM

CERTIFICATE VA10090966

Project: RAU

P.O. No.: Batch 34

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 6-JUL-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Project: RAU

Finalized Date: 22-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10090966

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA26 Au ppm 0.01	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
I075689		7.58	<0.01	0.17	7.16	0.8	430	0.72	0.02	8.66	0.09	46.4	62.6	233	5.30	47.0
I075690		6.60	0.01	0.24	6.78	0.9	580	0.78	0.03	7.80	0.12	49.8	61.4	210	5.75	55.0
I075691		7.24	<0.01	0.20	10.20	2.3	2520	2.38	0.03	1.59	0.02	127.5	42.0	186	12.45	54.1
I075692		7.42	<0.01	0.28	8.80	4.5	2150	1.75	0.10	4.40	0.08	125.5	45.3	144	15.45	92.6
I075693		7.22	<0.01	0.01	0.17	<5	90	0.12	0.04	21.2	0.06	2.21	1.6	4	0.36	1.8
I075694		9.90	<0.01	0.22	6.96	3.8	1530	1.87	0.06	5.26	0.09	78.4	51.5	229	7.65	46.4
I075695		9.98	<0.01	0.20	6.50	0.7	1300	1.71	0.06	5.42	0.10	74.9	43.0	204	2.04	57.0
I075696		11.22	<0.01	0.21	6.17	3.6	130	1.30	0.07	5.98	0.09	73.2	43.0	201	4.45	56.6
I075697		9.20	<0.01	0.19	6.31	7.3	170	1.39	0.14	6.12	0.07	74.9	48.1	200	4.84	56.7
I075698		6.54	0.01	0.15	6.56	4.2	390	1.40	0.29	6.05	0.09	75.5	46.4	199	7.75	49.5
I075699		4.14	0.01	0.14	6.65	20.2	1480	1.99	1.13	6.17	0.12	83.0	67.6	198	23.8	31.3
I075700		0.26	0.39	6.67	5.40	1.0	70	1.12	1.08	1.41	0.03	19.45	8.8	31	20.8	13.4
I075701		5.62	<0.01	0.14	6.52	3.9	950	1.15	0.06	6.10	0.07	76.1	41.4	201	8.92	47.8
I075702		1.66	0.01	0.16	8.18	144.5	3760	1.79	0.29	0.61	0.13	90.8	58.2	336	18.20	79.0
I075703		7.42	0.01	0.17	7.33	180.0	660	1.29	0.38	1.51	0.05	81.1	51.7	299	26.1	62.0
I075704		5.24	<0.01	0.27	8.22	3.6	2800	2.66	0.93	8.11	0.05	107.5	35.3	53	33.5	43.4
I075705		3.58	0.01	0.03	0.44	5	110	0.13	0.14	34.4	0.34	4.17	1.3	6	0.76	2.2
I075706		1.02	<0.01	0.24	0.28	96	40	0.13	4.12	34.0	1.79	4.61	1.0	2	1.00	1.3
I075707		3.14	2.77	0.23	0.11	309	10	0.07	265	18.00	0.64	10.95	0.7	<1	0.34	7.4
I075708		2.84	0.26	0.46	0.27	463	10	0.10	75.9	16.30	6.41	10.80	1.2	2	0.89	12.1
I075709		1.52	0.13	0.25	0.72	811	10	0.24	34.4	14.90	0.86	10.80	2.0	5	1.92	6.6
I075710		0.70	0.12	0.21	0.76	686	10	0.23	26.3	13.75	0.92	11.50	2.0	6	2.03	6.3
I075711		2.42	0.32	0.99	0.29	4130	10	0.06	12.70	7.60	6.67	11.65	1.3	3	0.56	60.0
I075712		1.08	0.04	3.30	0.07	197	10	<0.05	27.4	10.05	14.90	5.59	0.8	<1	0.26	73.2
I075713		0.28	1.57	0.26	0.23	>10000	20	0.08	240	12.45	0.22	14.80	2.3	6	1.07	24.0
I075714		2.22	0.10	0.55	0.06	44.6	10	<0.05	3.77	0.40	1.03	2.32	3.0	<1	0.16	115.5
I075715		1.36	0.10	0.88	0.11	17.7	10	<0.05	5.61	0.38	0.84	0.53	0.3	<1	0.26	125.5
I075716		1.32	0.05	0.91	0.76	164.5	30	0.12	78.5	0.11	0.44	1.27	1.3	7	0.76	139.0
I075717		3.64	0.34	13.65	0.16	2540	130	0.13	96.5	5.28	61.4	4.33	15.3	<1	0.50	97.5
I075718		4.50	0.70	1.14	0.07	3560	60	0.06	212	4.89	5.22	39.9	46.4	<1	0.26	70.5
I075719		2.14	0.51	2.85	0.20	1460	130	0.10	95.8	13.25	14.70	16.75	4.6	<1	0.71	14.1
I075720		3.36	0.11	23.0	0.35	1480	20	0.12	378	3.53	52.3	4.18	153.0	3	0.81	149.5
I075721		4.32	<0.01	0.03	0.08	5	20	<0.05	0.28	21.3	0.13	1.58	1.2	3	0.17	4.4
I075722		1.70	0.11	47.6	4.32	1180	20	1.24	378	11.45	245	10.80	19.6	97	8.67	174.0
I075723		2.96	0.03	0.54	8.22	93.6	970	1.43	8.13	6.60	9.02	28.3	29.5	266	11.35	21.0
I075724		3.06	0.01	0.30	7.41	20.2	2110	0.84	31.5	0.91	0.47	26.3	59.3	233	27.2	51.7

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 22-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10090966

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I075689		7.94	17.15	0.23	2.2	0.054	0.69	23.9	30.7	5.66	1720	0.83	1.37	31.2	240	1460
I075690		8.76	17.50	0.24	1.0	0.069	0.92	24.8	45.3	5.19	2080	0.55	1.17	31.3	247	1400
I075691		10.10	25.6	0.32	0.6	0.097	5.86	65.2	49.2	2.13	658	0.56	0.44	37.2	140.5	2770
I075692		8.23	21.3	0.27	0.8	0.078	4.27	69.2	56.5	3.06	1800	0.23	0.85	45.3	138.0	2700
I075693		0.49	0.46	<0.05	<0.1	<0.005	0.09	1.1	2.2	12.20	204	0.11	0.01	1.1	2.9	220
I075694		8.06	19.40	0.19	2.3	0.079	1.89	40.2	87.3	5.89	1400	0.44	0.09	26.0	253	1870
I075695		6.98	16.80	0.17	3.2	0.065	0.25	39.0	64.9	7.05	1050	0.34	0.64	29.3	208	1800
I075696		6.66	16.10	0.22	2.8	0.063	0.42	38.2	51.5	7.10	1100	0.33	0.65	31.7	206	1720
I075697		6.86	17.10	0.22	1.7	0.065	0.45	39.3	52.6	6.96	1260	0.49	0.53	30.7	223	1740
I075698		6.76	17.40	0.22	2.9	0.058	0.71	39.5	54.8	6.87	955	0.27	0.31	28.0	219	1760
I075699		6.69	17.90	0.23	1.8	0.051	2.00	44.8	62.5	5.72	1420	0.58	0.16	32.7	206	1800
I075700		2.18	15.40	0.09	1.4	0.020	3.56	10.5	9.8	0.64	313	10.10	1.34	2.5	8.7	450
I075701		6.48	17.00	0.20	3.2	0.059	1.14	41.0	58.9	6.79	1010	0.17	0.03	25.9	211	1730
I075702		8.29	22.3	0.25	3.1	0.096	3.75	47.9	53.1	2.72	1080	0.74	0.14	16.6	228	2060
I075703		7.80	18.65	0.27	3.9	0.050	1.58	42.5	61.9	7.90	677	0.19	0.03	36.9	297	2100
I075704		3.91	27.2	0.19	0.7	0.046	5.84	52.0	51.2	4.12	465	0.38	0.16	41.4	112.0	1520
I075705		0.30	1.06	0.05	0.1	0.014	0.23	2.2	1.9	1.03	147	1.18	0.01	1.1	2.9	30
I075706		0.42	0.84	<0.05	0.1	0.058	0.14	2.5	1.2	1.25	891	0.37	0.01	0.9	1.2	30
I075707		8.43	0.82	0.20	<0.1	0.138	0.03	4.5	1.9	8.52	3140	0.29	0.01	0.4	0.6	30
I075708		11.70	1.97	0.24	0.1	0.077	0.12	4.6	1.9	7.97	2910	0.48	0.01	0.6	1.0	20
I075709		13.40	4.46	0.29	0.3	0.050	0.32	4.6	2.1	7.49	2590	0.32	0.01	1.3	4.6	30
I075710		13.20	4.64	0.31	0.3	0.040	0.34	5.0	2.2	7.38	2480	0.35	0.01	1.4	4.7	30
I075711		30.7	2.07	0.63	0.1	0.112	0.11	5.2	0.9	3.33	2760	0.27	0.01	1.0	4.5	20
I075712		24.3	0.66	0.53	<0.1	0.051	0.02	2.3	1.0	5.39	3520	0.11	0.01	0.7	4.5	<10
I075713		15.15	1.49	0.32	0.2	0.074	0.09	7.1	2.0	6.81	3140	4.98	0.01	1.8	8.8	180
I075714		48.1	0.65	0.65	<0.1	0.049	0.04	1.0	0.8	0.55	830	0.20	<0.01	0.5	13.2	10
I075715		>50	0.97	1.02	0.1	0.043	0.03	<0.5	0.6	0.53	1300	0.15	<0.01	1.3	8.0	<10
I075716		40.1	4.90	0.82	0.2	0.036	0.24	<0.5	0.8	0.47	1030	0.18	0.01	1.9	9.5	<10
I075717		31.4	1.31	0.42	<0.1	0.047	0.08	2.0	1.4	2.00	5310	0.25	0.01	0.4	27.6	<10
I075718		33.8	0.75	0.62	<0.1	0.037	0.03	26.9	0.8	2.64	2220	0.19	0.01	0.8	12.0	30
I075719		15.65	1.40	0.30	0.1	0.054	0.09	9.4	1.8	7.05	3320	0.29	0.01	0.6	9.9	20
I075720		39.3	2.57	0.82	0.1	0.026	0.14	2.6	0.7	0.60	1180	0.43	0.01	1.2	74.8	10
I075721		0.46	0.25	0.16	<0.1	0.005	0.03	0.8	1.0	12.65	203	0.11	<0.01	0.3	4.9	220
I075722		10.20	20.7	0.16	0.8	0.052	1.25	5.4	4.2	2.76	3700	2.04	0.11	4.1	118.0	440
I075723		4.82	24.2	0.17	0.4	0.069	4.79	13.6	40.1	1.91	760	1.00	0.07	13.8	185.5	900
I075724		11.90	22.8	0.23	1.1	0.017	5.76	12.1	39.2	4.91	183	0.22	0.13	7.5	283	770

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VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 22-JUL-2010
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CERTIFICATE OF ANALYSIS VA10090966

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I075689		3.7	31.7	<0.002	0.01	0.16	25.5	2	1.2	376	1.91	<0.05	3.6	1.210	0.14	0.8
I075690		3.3	39.1	<0.002	0.01	0.10	23.3	2	1.3	265	1.74	<0.05	3.3	1.180	0.18	0.7
I075691		2.4	99.1	0.003	0.01	0.19	22.3	2	2.1	70.8	2.04	<0.05	8.5	0.975	0.48	1.0
I075692		3.6	119.5	0.002	<0.01	0.15	21.6	2	1.7	160.0	2.47	<0.05	8.8	1.015	0.47	0.9
I075693		1.2	3.2	<0.002	0.02	<0.05	0.4	1	<0.2	48.5	0.05	<0.05	0.2	0.018	<0.02	0.6
I075694		3.3	63.1	<0.002	0.01	0.13	23.7	1	1.4	135.0	1.50	<0.05	6.5	0.696	0.24	1.1
I075695		4.0	12.9	<0.002	0.06	0.12	20.4	1	1.1	174.5	1.58	<0.05	6.4	0.677	0.09	1.4
I075696		3.9	27.4	<0.002	0.01	0.12	19.9	1	1.1	162.5	1.72	<0.05	6.3	0.683	0.21	1.5
I075697		3.4	32.0	<0.002	0.01	0.16	20.4	1	1.2	112.0	1.62	<0.05	6.3	0.639	0.28	1.1
I075698		3.5	61.6	<0.002	0.01	0.18	21.2	1	1.7	94.7	1.50	<0.05	7.0	0.582	0.45	1.6
I075699		5.7	147.0	0.002	0.01	0.23	21.0	2	4.5	100.5	1.74	0.06	7.4	0.678	1.28	1.4
I075700		12.7	770	<0.002	0.01	0.71	7.7	1	1.1	58.3	0.23	<0.05	1.2	0.256	6.43	0.6
I075701		2.3	56.6	0.002	0.02	0.23	20.8	1	1.6	90.2	1.39	<0.05	7.1	0.556	0.42	1.6
I075702		7.9	125.5	0.003	0.55	0.60	26.4	2	2.1	80.5	0.83	<0.05	8.6	0.576	1.08	2.1
I075703		1.0	170.5	<0.002	0.03	0.46	23.4	1	3.0	70.5	1.97	<0.05	7.6	0.778	1.59	2.1
I075704		3.9	318	0.002	1.71	0.36	18.5	2	6.5	51.1	2.20	0.13	5.2	1.290	2.92	0.7
I075705		10.6	10.4	<0.002	0.13	0.25	1.0	1	0.2	179.0	<0.05	<0.05	0.6	0.035	0.11	0.4
I075706		115.0	12.7	<0.002	0.08	0.33	0.7	1	0.2	142.5	<0.05	<0.05	0.4	0.019	0.13	0.4
I075707		51.3	4.0	0.002	6.91	3.34	0.3	2	0.2	94.5	<0.05	0.12	0.2	0.005	0.13	1.3
I075708		318	17.9	0.002	>10.0	5.16	0.8	2	0.5	72.5	<0.05	0.08	0.3	0.014	0.34	1.0
I075709		32.4	51.4	<0.002	>10.0	1.71	1.5	1	0.6	64.3	0.06	0.06	1.2	0.037	0.39	0.9
I075710		30.7	53.1	<0.002	>10.0	1.68	1.5	1	0.6	60.8	0.06	0.06	1.3	0.039	0.43	0.9
I075711		427	17.3	0.002	>10.0	21.7	0.8	5	1.2	26.3	<0.05	0.17	0.6	0.015	0.67	0.6
I075712		958	3.2	0.002	>10.0	17.25	0.5	4	1.1	58.5	<0.05	0.14	<0.2	<0.005	0.98	0.7
I075713		8.7	15.5	0.003	>10.0	9.88	0.6	2	2.1	83.1	0.06	0.19	0.5	0.020	0.21	0.4
I075714		73.7	2.7	0.003	>10.0	9.52	0.3	12	2.3	2.8	<0.05	0.47	0.2	<0.005	1.37	0.9
I075715		133.0	4.2	0.002	>10.0	22.2	0.2	8	1.7	2.7	<0.05	0.38	0.8	0.006	0.49	0.9
I075716		101.0	30.6	<0.002	>10.0	22.3	0.5	9	3.0	3.5	0.07	0.52	1.3	0.039	2.16	1.3
I075717		2820	10.2	0.021	>10.0	42.5	0.6	5	9.1	25.0	<0.05	0.17	0.2	0.008	1.61	1.9
I075718		438	3.9	0.005	>10.0	25.5	0.6	6	0.9	26.4	<0.05	0.42	1.5	<0.005	0.93	0.9
I075719		731	14.6	0.003	>10.0	8.71	0.7	2	0.7	88.1	<0.05	0.12	0.5	0.010	0.57	0.5
I075720		3060	22.9	<0.002	>10.0	31.6	0.9	15	2.0	14.0	<0.05	1.00	0.2	0.018	3.77	0.3
I075721		5.5	1.5	<0.002	0.03	0.07	0.4	1	<0.2	47.3	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
I075722		8870	179.0	0.002	>10.0	53.2	15.7	7	12.9	58.2	0.18	0.46	0.7	0.256	3.29	1.4
I075723		292	208	0.002	2.88	14.20	27.1	2	12.8	49.2	0.75	0.08	1.7	0.742	3.55	0.8
I075724		23.4	670	0.003	9.52	2.38	19.5	3	8.4	45.7	0.41	0.20	1.9	0.442	3.99	1.1

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Project: RAU

Finalized Date: 22-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10090966

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Zn-OG62 Zn % 0.001	As-OG62 As % 0.001
I075689		246	0.4	19.0	97	91.5		
I075690		228	0.4	19.1	127	37.9		
I075691		188	0.6	25.9	106	27.6		
I075692		173	0.6	26.0	133	31.8		
I075693		4	0.1	1.2	17	1.4		
I075694		147	0.4	20.7	106	93.7		
I075695		168	0.3	18.5	92	135.5		
I075696		165	0.4	18.4	87	122.0		
I075697		164	0.5	18.3	93	73.2		
I075698		166	0.7	20.8	93	128.5		
I075699		168	1.1	24.2	81	73.0		
I075700		54	0.4	11.4	29	49.5		
I075701		165	0.5	22.7	104	141.0		
I075702		214	1.1	26.1	63	137.0		
I075703		193	1.5	21.9	121	161.5		
I075704		186	4.0	17.6	33	29.3		
I075705		6	0.4	1.7	58	5.8		
I075706		3	1.2	1.5	448	4.1		
I075707		5	24.8	8.5	156	1.9		
I075708		7	46.6	7.7	1580	4.3		
I075709		8	6.5	6.8	241	10.2		
I075710		9	7.0	7.0	278	10.5		
I075711		5	81.0	4.9	2180	4.1		
I075712		3	69.1	4.2	3270	0.8		
I075713		8	59.3	7.2	80	6.3		2.68
I075714		2	184.5	1.1	328	1.2		
I075715		2	130.5	0.7	258	2.8		
I075716		8	10.8	0.9	125	8.4		
I075717		4	2890	2.8	>10000	1.8	1.420	
I075718		4	490	3.9	1330	1.2		
I075719		5	264	6.2	2800	2.8		
I075720		10	54.9	1.0	>10000	4.5	1.125	
I075721		4	0.3	1.0	33	<0.5		
I075722		111	10.4	5.1	>10000	25.3	5.23	
I075723		109	68.6	15.2	2650	14.8		
I075724		152	358	5.2	154	41.8		

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To: **ATAC RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 22-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10090966

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 14-JUL-2010
Account: RCM

CERTIFICATE VA10091016

Project: RAU

P.O. No.: El West

This report is for 260 Soil samples submitted to our lab in Vancouver, BC, Canada on 6-JUL-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-31	Pulverize split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
PUL-QC	Pulverizing QC Test
SCR-43	Screen to -500um, discard plus
SCR-01	Screen - Save plus fraction

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS VA10091016

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC90501		0.18	<0.001	<0.2	0.62	22	<10	110	<0.5	<2	3.15	<0.5	7	8	31	1.62
CC90502		0.22	0.002	<0.2	0.66	14	<10	100	<0.5	<2	2.12	<0.5	8	10	27	2.56
CC90503		0.24	0.001	<0.2	0.38	6	<10	30	<0.5	<2	15.2	<0.5	5	5	21	1.38
CC90504		0.26	0.005	<0.2	0.77	13	<10	90	<0.5	<2	5.72	<0.5	9	11	27	2.66
CC90505		0.28	0.001	<0.2	0.86	14	<10	110	<0.5	<2	11.1	<0.5	6	12	16	1.60
CC90506		0.20	<0.001	<0.2	1.58	16	<10	160	0.6	<2	3.40	<0.5	9	22	23	2.60
CC90507		0.12	<0.001	<0.2	1.24	11	<10	190	0.5	<2	7.2	<0.5	6	16	11	1.78
CC90508		0.12	<0.001	<0.2	2.14	12	<10	170	0.8	<2	1.63	<0.5	10	31	12	2.96
CC90509		0.20	0.001	<0.2	1.85	14	<10	160	0.7	<2	3.67	<0.5	7	26	11	2.49
CC90510		0.26	0.001	<0.2	1.93	18	<10	170	0.8	<2	2.53	<0.5	9	26	12	2.85
CC90511		0.12	<0.001	<0.2	1.48	15	<10	160	0.5	<2	2.87	2.3	8	19	13	2.46
CC90512		0.26	<0.001	<0.2	1.04	20	<10	70	0.5	<2	1.83	<0.5	8	13	14	2.96
CC90513		0.24	<0.001	<0.2	1.92	15	<10	150	0.8	<2	1.20	<0.5	9	28	12	3.08
CC90514		0.20	0.001	<0.2	0.86	20	<10	270	<0.5	<2	1.97	<0.5	7	12	17	2.45
CC90515		0.28	<0.001	<0.2	0.93	10	<10	150	0.5	<2	4.56	<0.5	6	12	16	1.92
CC90516		0.26	0.001	<0.2	0.69	14	<10	90	<0.5	<2	4.69	<0.5	8	11	18	2.50
CC90517		0.22	<0.001	<0.2	1.36	15	<10	150	0.7	<2	1.16	1.2	11	20	23	2.72
CC90518		0.22	0.001	<0.2	0.88	14	<10	100	0.6	<2	1.04	<0.5	14	13	26	3.54
CC90519		0.20	0.002	<0.2	1.99	15	<10	150	0.8	<2	0.42	<0.5	16	69	31	3.62
CC90520		0.18	0.002	<0.2	1.71	42	<10	180	0.6	<2	5.29	<0.5	9	37	11	3.06
CC90521		0.18	0.002	<0.2	1.10	12	<10	190	0.6	<2	0.85	<0.5	15	47	37	3.32
CC90522		0.26	<0.001	<0.2	1.48	11	<10	170	0.7	<2	1.07	<0.5	14	38	25	3.36
CC90523		0.24	<0.001	<0.2	0.91	14	<10	140	<0.5	<2	2.25	0.5	11	22	17	3.56
CC90524		0.16	0.001	0.4	1.54	15	<10	240	0.6	<2	1.43	0.5	10	32	25	2.81
CC90525		0.36	0.003	0.4	1.51	17	<10	200	0.5	<2	3.48	<0.5	17	37	36	3.62
CC90526		0.28	<0.001	0.2	1.06	8	<10	150	0.5	<2	1.00	<0.5	8	20	25	2.56
CC90527		0.20	0.001	0.2	2.20	13	<10	250	0.7	<2	0.69	<0.5	10	39	14	3.22
CC90528		0.28	<0.001	0.2	1.52	16	<10	140	0.5	<2	6.68	<0.5	15	65	30	3.47
CC90529		0.12	0.006	0.3	1.33	17	<10	190	0.5	<2	4.03	0.7	11	32	24	2.74
CC90530		0.16	0.001	0.6	1.63	10	<10	180	0.5	<2	6.26	0.7	8	24	15	2.29
CC90531		0.16	<0.001	0.3	1.52	17	<10	250	0.6	<2	0.80	<0.5	9	29	21	3.02
CC90532		0.28	0.001	0.3	0.77	18	<10	100	<0.5	<2	5.52	<0.5	10	19	30	2.70
CC90533		0.24	0.009	0.2	0.91	15	<10	160	<0.5	<2	2.07	0.6	9	21	27	2.65
CC90534		0.28	0.001	0.3	1.06	17	<10	150	0.5	<2	2.16	0.8	13	24	37	3.70
CC90535		0.30	0.001	0.4	0.94	13	<10	170	<0.5	<2	1.41	<0.5	12	19	25	3.22
CC90536		0.36	0.003	0.2	1.36	16	<10	220	0.5	<2	2.89	0.6	11	34	53	2.96
CC90537		0.16	0.059	0.4	1.48	14	<10	250	0.5	<2	1.74	0.6	11	48	52	2.97
CC90538		0.14	<0.001	0.2	2.81	5	<10	300	0.5	<2	1.73	<0.5	26	304	140	4.14
CC90539		0.20	0.006	0.3	0.83	14	<10	170	0.5	<2	1.06	<0.5	12	22	39	3.35
CC90540		0.16	0.003	0.3	1.55	14	<10	290	0.5	<2	1.68	0.6	10	33	35	2.89

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To: **ATAC RESOURCES LTD.**
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Project: RAU

Finalized Date: 14-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10091016

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC90501		<10	<1	0.18	10	1.00	351	1	0.02	13	830	15	0.08	<2	1	40
CC90502		<10	<1	0.18	10	0.59	406	1	0.01	18	670	26	0.08	<2	2	27
CC90503		<10	<1	0.15	10	1.70	215	1	0.02	10	480	16	<0.01	<2	1	158
CC90504		<10	<1	0.13	10	0.89	424	1	0.02	18	540	29	0.04	<2	2	65
CC90505		<10	<1	0.06	10	6.86	941	1	0.03	11	2430	19	0.07	7	1	42
CC90506		<10	<1	0.08	10	2.29	863	2	0.02	23	1880	26	0.07	<2	2	25
CC90507		<10	<1	0.07	10	4.28	1635	1	0.03	12	3600	75	0.05	4	2	33
CC90508		10	<1	0.09	20	1.06	1075	1	0.02	23	3350	34	0.02	<2	5	22
CC90509		<10	<1	0.07	10	2.41	887	1	0.02	16	1530	45	0.04	<2	3	26
CC90510		<10	<1	0.08	20	1.85	1400	1	0.02	20	1290	31	0.05	<2	3	19
CC90511		<10	<1	0.06	10	1.65	1580	1	0.03	13	1220	55	0.04	<2	2	20
CC90512		<10	<1	0.09	10	1.08	386	1	0.02	20	990	37	0.02	5	2	15
CC90513		10	<1	0.06	10	0.91	641	1	0.02	19	930	45	0.03	<2	4	15
CC90514		<10	<1	0.11	10	0.86	512	1	0.02	14	1380	51	0.05	<2	2	19
CC90515		<10	<1	0.10	10	2.64	507	1	0.02	12	1920	33	0.05	<2	1	30
CC90516		<10	<1	0.10	10	2.96	653	2	0.02	16	1650	47	0.01	<2	2	33
CC90517		<10	<1	0.11	10	0.62	840	1	0.02	21	1350	41	0.04	<2	2	16
CC90518		<10	<1	0.13	10	0.58	812	1	0.02	22	730	36	0.02	<2	3	12
CC90519		10	1	0.09	20	1.14	664	1	0.02	54	560	24	0.01	<2	6	14
CC90520		<10	<1	0.08	10	2.86	1125	2	0.02	25	6140	18	0.06	<2	3	51
CC90521		<10	<1	0.14	20	0.81	444	1	0.02	42	850	26	0.03	<2	3	15
CC90522		<10	<1	0.14	20	0.84	730	1	0.02	36	970	33	0.03	<2	3	19
CC90523		<10	<1	0.07	20	0.36	1695	2	0.02	23	2090	28	0.06	<2	3	30
CC90524		<10	<1	0.07	10	0.55	591	2	0.03	35	850	37	0.06	<2	3	22
CC90525		10	<1	0.13	20	2.17	1025	1	0.03	50	1550	44	0.02	<2	4	38
CC90526		<10	<1	0.11	20	0.48	529	<1	0.02	26	910	29	0.03	<2	2	15
CC90527		10	1	0.06	10	0.64	665	<1	0.03	27	720	31	0.02	<2	4	22
CC90528		10	<1	0.13	10	4.11	769	<1	0.03	62	1320	43	0.02	<2	5	83
CC90529		<10	<1	0.10	10	2.14	812	<1	0.03	36	2230	34	0.07	<2	3	29
CC90530		<10	<1	0.07	10	3.70	753	<1	0.03	23	1270	23	0.04	<2	2	21
CC90531		<10	<1	0.08	10	0.50	633	1	0.02	27	1420	37	0.03	<2	3	19
CC90532		<10	<1	0.14	10	3.27	513	<1	0.02	32	1990	38	0.02	<2	2	35
CC90533		<10	<1	0.09	10	0.83	569	1	0.03	28	1970	37	0.07	<2	2	23
CC90534		<10	<1	0.11	10	1.02	431	1	0.03	50	1790	29	0.05	<2	2	46
CC90535		<10	<1	0.14	20	0.46	507	1	0.02	28	1710	29	0.04	<2	2	22
CC90536		<10	<1	0.12	20	1.92	480	1	0.04	35	2450	31	0.03	<2	4	44
CC90537		10	<1	0.12	10	0.92	543	<1	0.03	33	2500	28	0.07	<2	3	37
CC90538		10	1	0.40	10	2.73	481	<1	0.04	144	2930	13	0.07	<2	3	41
CC90539		<10	<1	0.27	20	0.38	348	<1	0.04	45	1190	28	0.22	<2	2	54
CC90540		<10	<1	0.10	10	0.82	639	<1	0.03	31	1220	26	0.05	<2	3	29

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Project: RAU

Finalized Date: 14-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10091016

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC90501		<20	0.02	<10	<10	9	<10	64
CC90502		<20	0.01	<10	<10	12	<10	104
CC90503		<20	0.01	<10	<10	5	<10	37
CC90504		<20	0.01	<10	<10	18	<10	59
CC90505		<20	0.01	<10	<10	26	<10	97
CC90506		<20	0.02	<10	<10	45	<10	91
CC90507		<20	0.02	<10	<10	35	<10	158
CC90508		<20	0.03	<10	<10	65	<10	178
CC90509		<20	0.02	<10	<10	54	<10	161
CC90510		<20	0.02	<10	<10	55	<10	169
CC90511		<20	0.02	<10	<10	47	<10	422
CC90512		<20	0.01	<10	<10	25	<10	98
CC90513		<20	0.02	<10	<10	57	<10	122
CC90514		<20	0.01	<10	<10	22	<10	77
CC90515		<20	0.01	<10	<10	23	<10	65
CC90516		<20	0.01	<10	<10	19	<10	80
CC90517		<20	0.01	<10	<10	35	<10	118
CC90518		<20	0.01	<10	<10	23	<10	82
CC90519		<20	0.04	<10	<10	64	<10	90
CC90520		<20	0.02	<10	<10	58	<10	92
CC90521		<20	0.02	<10	<10	30	<10	83
CC90522		<20	0.02	<10	<10	38	<10	87
CC90523		<20	0.01	<10	<10	25	<10	72
CC90524		<20	0.02	<10	<10	47	<10	92
CC90525		<20	0.04	<10	<10	49	<10	110
CC90526		<20	0.01	<10	<10	22	<10	55
CC90527		<20	0.03	<10	<10	71	<10	110
CC90528		<20	0.05	<10	<10	50	<10	93
CC90529		<20	0.02	<10	<10	40	<10	172
CC90530		<20	0.02	<10	<10	49	<10	87
CC90531		<20	0.02	<10	<10	45	<10	70
CC90532		<20	0.02	<10	<10	24	<10	88
CC90533		<20	0.02	<10	<10	32	<10	112
CC90534		<20	0.02	<10	<10	36	<10	121
CC90535		<20	0.02	<10	<10	27	<10	89
CC90536		<20	0.05	<10	<10	52	<10	125
CC90537		<20	0.05	<10	<10	57	<10	120
CC90538		<20	0.14	<10	<10	99	<10	120
CC90539		<20	0.02	<10	<10	21	<10	70
CC90540		<20	0.03	<10	<10	45	<10	95

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CERTIFICATE OF ANALYSIS VA10091016

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC90541		0.26	0.001	0.3	1.45	14	<10	190	0.6	<2	1.35	<0.5	11	28	23	3.26
CC90542		0.12	<0.001	0.2	1.46	14	<10	200	0.5	<2	1.31	<0.5	9	29	23	2.84
CC90543		0.28	0.001	0.4	1.75	19	<10	190	0.8	<2	0.80	<0.5	11	32	21	3.39
CC90544		0.22	0.001	0.2	1.93	15	<10	250	0.6	<2	0.76	<0.5	9	34	22	3.56
CC90545		0.26	0.002	0.3	1.30	16	<10	270	0.5	<2	1.56	0.6	12	32	40	3.27
CC90546		0.26	0.004	0.4	1.41	18	<10	160	0.5	<2	1.92	<0.5	11	35	36	3.32
CC90547		0.22	0.003	0.4	1.44	13	<10	220	0.6	<2	1.77	<0.5	12	30	31	3.11
CC90548		0.20	0.002	0.4	1.34	14	<10	260	0.5	<2	1.17	<0.5	10	29	27	3.15
CC90549		0.12	0.001	0.3	1.59	15	<10	300	0.6	<2	1.52	0.8	10	35	28	3.10
CC90550		0.16	<0.001	0.4	1.17	14	<10	230	0.5	2	1.49	<0.5	10	26	31	2.84
CC90551		0.18	<0.001	<0.2	1.28	8	<10	140	0.5	<2	1.03	<0.5	10	22	31	3.36
CC90552		0.20	<0.001	<0.2	1.07	9	<10	140	<0.5	<2	6.47	<0.5	8	16	22	2.52
CC90553		0.18	0.001	0.2	2.41	25	<10	190	0.9	<2	0.42	<0.5	14	33	14	3.66
CC90554		0.22	<0.001	<0.2	1.06	7	<10	180	0.5	2	0.23	<0.5	6	14	15	2.49
CC90555		0.24	0.001	0.3	1.27	18	<10	130	0.8	<2	0.43	<0.5	11	21	26	3.82
CC90556		0.22	0.003	0.4	0.83	36	<10	110	0.5	<2	0.33	<0.5	12	14	44	3.56
CC90557		0.24	0.001	0.2	0.76	20	<10	120	<0.5	<2	3.03	<0.5	8	11	28	2.81
CC90558		0.22	0.001	0.3	0.93	37	<10	130	0.5	<2	0.92	<0.5	9	15	23	3.11
CC90559		0.18	0.003	0.4	0.30	34	<10	60	<0.5	<2	6.03	<0.5	6	7	18	2.48
CC90560		0.18	<0.001	0.4	2.09	32	<10	200	0.8	<2	0.85	<0.5	10	33	17	3.64
CC90561		0.22	<0.001	0.3	1.44	25	<10	150	0.8	<2	0.96	<0.5	16	33	30	4.33
CC90562		0.22	0.015	7.0	1.40	111	<10	150	0.8	<2	0.45	<0.5	15	26	30	4.88
CC90563		0.20	0.001	0.2	2.55	10	<10	200	0.8	<2	0.95	<0.5	46	124	57	6.23
CC90564		0.22	<0.001	<0.2	1.87	9	<10	150	0.8	2	0.51	<0.5	44	88	67	7.54
CC90565		0.20	<0.001	0.2	1.79	11	<10	220	0.8	<2	0.72	<0.5	24	59	27	5.40
CC90566		0.20	0.001	0.3	2.00	24	<10	270	0.7	<2	1.62	<0.5	20	79	38	4.37
CC90567		0.20	<0.001	0.2	1.55	4	<10	360	0.6	<2	0.57	<0.5	9	19	34	2.41
CC90568		0.22	0.001	<0.2	1.36	18	<10	140	0.5	<2	4.95	<0.5	14	51	37	3.22
CC90569		0.16	0.004	0.2	0.52	19	<10	90	<0.5	<2	4.14	<0.5	9	8	24	2.27
CC90570		0.18	<0.001	0.3	1.66	16	<10	100	0.7	<2	0.53	<0.5	19	39	38	3.56
CC90571		0.16	0.001	0.3	1.13	10	<10	180	0.6	2	0.97	<0.5	9	20	23	2.59
CC90572		0.16	0.001	0.3	1.03	14	<10	140	0.5	<2	2.02	<0.5	13	21	26	3.84
CC90573		0.22	0.001	0.3	0.73	9	<10	100	<0.5	<2	2.07	<0.5	8	13	19	2.41
CC90574		0.22	0.002	0.2	1.94	12	<10	190	0.7	<2	1.66	<0.5	24	104	48	4.15
CC90575		0.18	0.003	0.2	1.19	17	<10	180	0.5	<2	3.00	<0.5	15	27	33	3.75
CC90576		0.22	0.014	1.1	1.36	14	<10	250	0.6	<2	1.43	0.6	13	38	76	2.65
CC90577		0.20	0.006	0.6	1.55	16	<10	310	0.6	<2	1.24	0.9	15	51	61	3.91
CC90578		0.14	0.008	1.3	1.61	14	<10	540	0.5	<2	1.52	1.6	11	44	107	2.84
CC90579		0.20	0.006	1.1	1.61	19	<10	250	0.7	2	1.28	0.6	14	45	54	3.43
CC90580		0.18	0.003	0.5	1.74	14	<10	340	0.6	<2	1.61	1.1	13	64	56	2.98

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 14-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10091016

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC90541		<10	<1	0.10	20	0.90	724	1	0.03	32	1260	34	0.03	<2	3	20
CC90542		<10	<1	0.12	10	0.61	438	<1	0.03	26	990	24	0.04	<2	3	29
CC90543		10	<1	0.08	20	0.67	688	1	0.03	34	740	39	0.02	<2	5	17
CC90544		10	<1	0.09	20	0.67	463	<1	0.03	28	900	42	0.03	<2	4	19
CC90545		<10	<1	0.13	10	0.66	612	1	0.03	32	1610	32	0.06	<2	3	36
CC90546		<10	<1	0.12	20	1.43	481	1	0.03	39	1550	33	0.02	<2	4	30
CC90547		<10	<1	0.12	20	1.01	615	1	0.03	35	1420	35	0.04	<2	3	27
CC90548		10	1	0.13	20	0.56	683	1	0.03	29	1700	27	0.05	<2	3	27
CC90549		<10	<1	0.11	10	0.74	611	1	0.04	31	1650	30	0.06	<2	3	30
CC90550		<10	<1	0.12	20	0.56	516	<1	0.03	30	1290	29	0.06	<2	2	27
CC90551		<10	<1	0.13	20	0.92	645	<1	0.02	27	610	34	0.02	<2	3	16
CC90552		<10	<1	0.12	10	1.90	407	<1	0.03	20	690	26	0.01	<2	3	76
CC90553		10	<1	0.07	20	0.54	506	1	0.03	30	450	30	0.02	<2	5	16
CC90554		<10	<1	0.12	20	0.27	208	<1	0.02	18	240	29	0.01	<2	2	11
CC90555		<10	<1	0.13	30	0.64	1030	<1	0.02	30	350	51	0.02	<2	6	8
CC90556		<10	<1	0.13	20	0.31	416	3	0.02	38	610	36	0.01	<2	3	9
CC90557		<10	<1	0.13	10	1.37	353	<1	0.03	27	730	34	0.02	<2	2	35
CC90558		<10	<1	0.14	20	0.55	384	<1	0.02	27	770	40	0.01	2	3	15
CC90559		<10	<1	0.12	10	3.31	868	1	0.03	17	700	111	0.05	2	2	50
CC90560		10	<1	0.09	20	0.92	664	<1	0.02	31	370	71	<0.01	<2	6	13
CC90561		<10	<1	0.10	20	0.71	1135	1	0.02	47	570	48	0.02	<2	5	15
CC90562		<10	<1	0.12	20	0.36	2080	1	0.02	44	390	84	0.01	26	4	8
CC90563		10	<1	0.35	10	1.83	1080	<1	0.03	150	900	22	0.02	<2	8	25
CC90564		10	<1	0.30	20	1.07	856	<1	0.02	138	300	25	<0.01	<2	9	14
CC90565		<10	<1	0.19	20	0.85	345	<1	0.02	68	730	32	0.01	<2	5	23
CC90566		10	<1	0.15	20	1.94	786	<1	0.03	70	820	38	0.03	<2	6	29
CC90567		<10	<1	0.22	10	0.36	224	<1	0.02	17	250	17	0.02	<2	2	17
CC90568		<10	<1	0.11	10	3.39	522	<1	0.02	44	970	39	0.02	<2	3	43
CC90569		<10	<1	0.13	10	1.96	566	<1	0.02	19	1020	34	0.04	<2	1	37
CC90570		10	<1	0.22	30	0.98	708	<1	0.02	47	970	32	0.01	<2	4	23
CC90571		<10	<1	0.14	20	0.41	644	1	0.02	25	740	33	0.02	<2	2	18
CC90572		<10	<1	0.17	20	0.67	757	1	0.02	31	1210	32	0.03	<2	3	27
CC90573		<10	<1	0.21	10	0.20	372	<1	0.02	20	1260	24	0.06	<2	1	30
CC90574		10	<1	0.15	20	2.10	1085	<1	0.02	84	1230	33	0.04	<2	5	27
CC90575		<10	<1	0.22	20	0.78	836	3	0.02	48	3160	32	0.03	<2	3	33
CC90576		<10	<1	0.11	10	0.66	783	2	0.02	45	2370	54	0.02	2	3	30
CC90577		<10	<1	0.14	20	1.07	759	2	0.03	63	2160	39	0.03	<2	4	26
CC90578		10	<1	0.20	10	0.99	465	2	0.03	48	2700	24	0.05	<2	3	41
CC90579		<10	<1	0.13	30	0.93	677	1	0.03	50	2600	34	0.03	<2	5	32
CC90580		10	<1	0.11	10	1.01	546	1	0.03	57	1900	28	0.04	<2	3	33

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Project: RAU

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CERTIFICATE OF ANALYSIS VA10091016

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC90541		<20	0.03	<10	<10	45	<10	101
CC90542		<20	0.04	<10	<10	47	<10	104
CC90543		<20	0.03	<10	<10	51	<10	92
CC90544		<20	0.03	<10	<10	60	<10	90
CC90545		<20	0.03	<10	<10	39	<10	91
CC90546		<20	0.06	<10	<10	47	<10	113
CC90547		<20	0.03	<10	<10	43	<10	95
CC90548		<20	0.02	<10	<10	38	<10	85
CC90549		<20	0.03	<10	<10	49	<10	104
CC90550		<20	0.02	<10	<10	33	<10	89
CC90551		<20	0.01	<10	<10	26	<10	92
CC90552		<20	0.02	<10	<10	21	<10	66
CC90553		<20	0.03	<10	<10	68	<10	111
CC90554		<20	0.01	<10	<10	22	<10	51
CC90555		<20	0.01	<10	<10	30	<10	95
CC90556		<20	0.01	<10	<10	22	<10	88
CC90557		<20	0.01	<10	<10	18	<10	86
CC90558		<20	0.01	<10	<10	22	<10	85
CC90559		<20	<0.01	<10	<10	7	<10	135
CC90560		<20	0.03	<10	<10	65	<10	170
CC90561		<20	0.02	<10	<10	46	<10	113
CC90562		<20	0.02	<10	<10	50	<10	100
CC90563		<20	0.12	<10	<10	98	<10	99
CC90564		<20	0.11	<10	<10	96	<10	82
CC90565		<20	0.05	<10	<10	67	<10	90
CC90566		<20	0.05	<10	<10	63	<10	113
CC90567		<20	0.02	<10	<10	28	<10	41
CC90568		<20	0.04	<10	<10	41	<10	79
CC90569		<20	0.01	<10	<10	12	<10	92
CC90570		<20	0.07	<10	<10	42	<10	67
CC90571		<20	0.01	<10	<10	28	<10	74
CC90572		<20	0.01	<10	<10	28	<10	82
CC90573		<20	<0.01	<10	<10	14	<10	41
CC90574		<20	0.06	<10	<10	63	<10	99
CC90575		<20	0.02	<10	<10	31	<10	123
CC90576		<20	0.02	<10	<10	55	<10	157
CC90577		<20	0.04	<10	<10	54	<10	133
CC90578		<20	0.04	<10	<10	69	<10	190
CC90579		<20	0.03	<10	<10	55	<10	122
CC90580		<20	0.03	<10	<10	63	<10	142

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CERTIFICATE OF ANALYSIS VA10091016

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC90581		0.20	<0.001	0.2	2.54	20	<10	180	0.9	2	0.19	<0.5	15	49	26	4.42
CC90582		0.24	<0.001	0.2	2.60	20	<10	250	0.8	<2	0.23	<0.5	17	49	27	4.37
CC90583		0.22	0.009	0.5	1.01	8	<10	100	<0.5	<2	1.07	<0.5	13	18	50	3.10
CC90584		0.16	<0.001	0.2	0.68	12	<10	120	<0.5	<2	2.06	<0.5	9	16	21	2.25
CC90585		0.20	0.002	0.6	1.37	14	<10	170	0.6	<2	2.57	<0.5	15	37	46	3.78
CC90586		0.18	0.004	0.3	1.46	20	<10	190	0.5	<2	0.97	0.8	14	40	40	3.61
CC90587		0.18	0.003	0.3	1.56	17	<10	190	0.6	<2	1.42	<0.5	11	36	35	3.15
CC90588		0.24	0.023	0.3	1.42	15	<10	220	0.5	<2	3.65	0.6	13	35	42	3.40
CC90589		0.26	0.003	0.3	1.27	18	<10	180	0.6	<2	1.06	<0.5	11	27	26	3.22
CC90590		0.10	0.005	0.7	1.53	15	<10	520	0.5	<2	1.99	2.2	19	57	75	3.22
CC90591		0.24	<0.001	0.5	2.10	9	<10	350	0.7	<2	0.84	1.1	13	31	23	2.99
CC90592		0.34	0.003	0.2	1.89	14	<10	250	0.5	2	0.56	<0.5	8	34	13	3.18
CC90593		0.24	0.002	0.2	1.86	14	<10	250	0.6	<2	0.76	0.5	11	41	22	3.21
CC90594		0.32	0.004	0.3	1.55	15	<10	200	0.6	<2	0.82	0.6	11	36	28	3.15
CC90595		0.38	0.003	0.2	1.61	16	<10	200	0.5	<2	1.07	<0.5	14	39	33	3.29
CC90596		0.26	0.002	<0.2	2.66	19	<10	130	0.6	<2	0.65	<0.5	32	114	67	5.76
CC90597		0.26	0.003	0.3	1.59	19	<10	170	<0.5	<2	1.89	<0.5	16	52	48	3.80
CC90598		0.20	0.004	0.2	1.36	12	<10	200	<0.5	<2	1.06	<0.5	15	43	37	3.04
CC90599		0.16	0.012	0.3	0.61	6	<10	140	<0.5	<2	2.69	<0.5	5	21	24	1.17
CC90600		0.28	0.001	<0.2	1.49	10	<10	100	<0.5	<2	0.10	<0.5	7	38	19	3.04
CC90601		0.16	0.004	<0.2	2.57	10	<10	200	<0.5	<2	0.51	<0.5	37	84	137	4.75
CC90602		0.34	0.005	<0.2	2.85	12	<10	150	0.7	<2	0.16	<0.5	29	106	49	5.06
CC90603		0.16	0.007	<0.2	0.92	3	<10	70	<0.5	<2	4.00	<0.5	12	47	47	1.69
CC90604		0.22	0.006	<0.2	1.09	5	<10	110	<0.5	<2	2.79	<0.5	15	46	101	2.62
CC90605		0.24	0.003	<0.2	5.33	24	<10	300	0.6	<2	0.84	<0.5	34	148	62	9.62
CC90606		0.20	0.006	0.2	2.55	8	<10	330	<0.5	<2	2.14	<0.5	14	63	74	4.28
CC90607		0.20	0.009	<0.2	2.57	10	<10	300	<0.5	<2	1.41	<0.5	24	35	55	5.31
CC90608		0.24	0.008	0.3	2.49	8	<10	240	<0.5	<2	1.60	<0.5	20	92	77	4.68
CC90609		0.20	0.004	0.4	2.25	12	<10	190	<0.5	<2	1.67	1.0	19	80	68	4.25
CC90610		0.32	0.005	0.5	2.42	17	<10	230	<0.5	<2	1.45	<0.5	26	183	113	4.31
CC90611		0.16	0.003	0.2	1.82	13	<10	150	0.5	<2	1.28	<0.5	21	78	44	3.94
CC90612		0.26	0.002	0.3	1.15	13	<10	130	<0.5	<2	2.55	<0.5	10	35	33	2.85
CC90613		0.22	0.001	<0.2	2.42	9	<10	70	<0.5	<2	2.13	<0.5	42	27	37	5.14
CC90614		0.28	0.001	<0.2	5.59	5	<10	130	0.9	<2	2.95	<0.5	71	509	88	7.94
CC90615		0.16	0.001	<0.2	0.90	8	<10	120	<0.5	<2	2.25	<0.5	25	21	30	2.69
CC90616		0.28	0.003	0.2	1.84	48	<10	190	0.6	<2	2.75	1.2	8	28	10	2.68
CC90617		0.20	0.005	<0.2	1.36	25	<10	190	0.5	<2	4.10	2.3	7	20	12	2.39
CC90618		0.12	0.003	<0.2	0.81	8	<10	100	<0.5	<2	10.7	0.9	3	14	9	1.12
CC90619		0.18	0.008	0.4	0.91	29	<10	150	<0.5	<2	2.18	4.6	14	14	36	2.53
CC90620		0.10	0.002	<0.2	0.31	11	<10	80	<0.5	<2	3.35	2.0	4	8	11	0.84

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	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC90581		10	<1	0.07	20	0.86	676	1	0.02	43	520	34	<0.01	<2	5	12
CC90582		10	1	0.10	20	0.89	507	2	0.02	45	630	34	<0.01	<2	5	14
CC90583		<10	<1	0.37	20	0.49	493	1	0.01	50	1640	17	0.02	<2	3	16
CC90584		<10	<1	0.15	10	0.93	556	<1	0.02	23	1240	28	0.04	<2	1	18
CC90585		<10	<1	0.18	20	1.46	701	1	0.02	50	2570	35	0.04	<2	3	39
CC90586		<10	<1	0.14	20	0.80	1105	2	0.02	45	2470	39	0.02	<2	4	29
CC90587		<10	<1	0.09	10	0.79	539	1	0.02	36	1590	36	0.03	<2	3	28
CC90588		<10	<1	0.16	20	2.10	662	1	0.03	41	3380	32	0.02	<2	4	41
CC90589		<10	<1	0.09	20	0.74	918	1	0.02	34	1920	42	0.01	<2	3	23
CC90590		10	<1	0.18	10	1.07	5750	3	0.04	65	3970	25	0.08	<2	3	50
CC90591		10	<1	0.06	10	0.52	1175	<1	0.03	21	1190	36	0.03	<2	2	20
CC90592		10	<1	0.07	10	0.61	544	1	0.02	23	480	44	0.01	<2	3	17
CC90593		<10	<1	0.08	10	0.83	629	1	0.02	37	750	53	0.02	<2	3	20
CC90594		<10	<1	0.09	10	0.88	526	1	0.02	39	880	42	0.01	<2	4	22
CC90595		<10	<1	0.07	20	1.01	719	1	0.02	42	870	27	0.01	<2	4	23
CC90596		<10	<1	0.10	10	1.79	1180	2	0.03	111	1760	38	0.02	<2	4	23
CC90597		<10	<1	0.10	10	1.76	618	1	0.03	58	1350	30	0.03	2	4	27
CC90598		<10	<1	0.05	10	0.78	651	2	0.03	46	1040	21	0.05	<2	2	30
CC90599		<10	1	0.02	<10	0.39	184	1	0.03	22	790	10	0.12	<2	1	66
CC90600		10	<1	0.04	10	0.32	281	2	0.03	17	330	14	<0.01	<2	2	10
CC90601		10	<1	0.06	10	1.34	848	1	0.04	93	930	11	0.01	<2	3	29
CC90602		10	<1	0.05	10	1.00	492	1	0.03	97	770	15	<0.01	<2	5	11
CC90603		<10	<1	0.02	<10	0.65	472	1	0.03	50	980	4	0.20	<2	1	117
CC90604		<10	<1	0.05	20	0.63	473	1	0.03	59	1080	12	0.18	<2	2	99
CC90605		10	1	0.52	20	4.93	734	<1	0.04	66	2780	6	0.09	<2	10	64
CC90606		10	<1	0.10	10	2.19	434	<1	0.04	29	1240	7	0.13	<2	4	74
CC90607		10	<1	0.12	20	1.90	925	1	0.04	27	2070	7	0.08	<2	5	59
CC90608		10	<1	0.13	20	1.89	646	1	0.04	45	2470	15	0.08	<2	4	69
CC90609		10	<1	0.06	10	1.74	515	<1	0.03	62	1550	13	0.12	<2	4	57
CC90610		10	<1	0.08	20	2.36	522	1	0.03	123	3170	12	0.09	2	5	65
CC90611		<10	<1	0.07	10	1.60	544	1	0.03	86	1400	20	0.07	2	3	39
CC90612		<10	<1	0.06	10	1.39	366	1	0.03	35	1210	23	0.09	2	2	35
CC90613		10	<1	0.04	10	1.54	695	<1	0.03	67	1950	10	0.08	<2	3	50
CC90614		20	<1	0.34	10	6.32	882	<1	0.04	193	2020	2	0.04	<2	16	111
CC90615		<10	<1	0.06	10	0.43	484	<1	0.03	27	1520	15	0.12	<2	2	43
CC90616		<10	<1	0.03	10	1.19	805	<1	0.03	14	2640	144	0.03	4	2	21
CC90617		<10	<1	0.05	10	2.18	526	<1	0.04	19	1100	228	0.05	3	2	20
CC90618		<10	<1	0.03	<10	6.22	754	<1	0.04	9	1910	17	0.06	<2	1	38
CC90619		<10	1	0.05	10	0.42	887	<1	0.03	28	1750	302	0.10	4	1	47
CC90620		<10	<1	0.04	<10	0.58	290	1	0.03	15	1060	80	0.18	2	1	23

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 14-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10091016

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC90581		<20	0.06	<10	<10	84	<10	111
CC90582		<20	0.06	<10	<10	85	<10	152
CC90583		<20	0.02	<10	<10	18	<10	101
CC90584		<20	0.01	<10	<10	19	<10	104
CC90585		<20	0.03	<10	<10	42	<10	105
CC90586		<20	0.04	<10	<10	53	<10	138
CC90587		<20	0.03	<10	<10	50	<10	98
CC90588		<20	0.03	<10	<10	44	<10	113
CC90589		<20	0.03	<10	<10	39	<10	99
CC90590		<20	0.05	<10	<10	73	<10	172
CC90591		<20	0.03	<10	<10	65	<10	131
CC90592		<20	0.04	<10	<10	70	<10	141
CC90593		<20	0.03	<10	<10	59	<10	165
CC90594		<20	0.05	<10	<10	52	<10	123
CC90595		<20	0.04	<10	<10	48	<10	87
CC90596		<20	0.19	<10	<10	74	<10	110
CC90597		<20	0.07	<10	<10	52	<10	105
CC90598		<20	0.04	<10	<10	43	<10	77
CC90599		<20	0.02	<10	<10	16	<10	25
CC90600		<20	0.13	<10	<10	85	<10	50
CC90601		<20	0.18	<10	<10	78	<10	80
CC90602		<20	0.14	<10	<10	75	<10	81
CC90603		<20	0.04	<10	<10	26	<10	28
CC90604		<20	0.02	<10	<10	28	<10	74
CC90605		<20	0.24	<10	<10	162	<10	114
CC90606		<20	0.13	<10	<10	79	<10	66
CC90607		<20	0.13	<10	<10	79	<10	89
CC90608		<20	0.12	<10	<10	73	<10	116
CC90609		<20	0.08	<10	<10	73	<10	132
CC90610		<20	0.07	<10	<10	81	<10	163
CC90611		<20	0.05	<10	<10	44	<10	119
CC90612		<20	0.02	<10	<10	31	<10	98
CC90613		<20	0.01	<10	<10	46	<10	90
CC90614		<20	0.23	<10	<10	245	<10	111
CC90615		<20	0.01	<10	<10	23	<10	95
CC90616		<20	0.03	<10	<10	68	<10	236
CC90617		<20	0.02	<10	<10	40	<10	267
CC90618		<20	0.02	<10	<10	35	<10	162
CC90619		<20	0.01	<10	<10	30	<10	394
CC90620		<20	0.01	<10	<10	10	<10	180

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Project: RAU

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CERTIFICATE OF ANALYSIS VA10091016

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC90621		0.18	0.008	0.3	0.72	32	<10	200	<0.5	<2	3.27	2.5	14	14	30	2.55
CC90622		0.20	0.004	0.2	0.71	12	<10	180	<0.5	<2	2.21	<0.5	11	13	28	2.01
CC90623		0.16	0.004	0.3	0.74	17	<10	150	<0.5	<2	1.99	0.6	13	14	32	2.60
CC90624		0.16	0.009	<0.2	0.48	4	<10	120	<0.5	<2	2.88	<0.5	9	9	21	1.29
CC90625		0.22	0.004	0.2	1.31	10	<10	200	<0.5	<2	0.96	<0.5	13	30	23	3.06
CC90626		0.22	0.006	0.2	1.82	18	<10	360	0.6	<2	1.43	<0.5	10	98	32	3.11
CC90627		0.18	0.003	<0.2	1.52	18	<10	230	0.5	<2	2.01	<0.5	9	26	27	2.53
CC90628		0.14	0.014	0.2	1.33	17	<10	300	0.5	<2	2.21	<0.5	8	66	34	2.78
CC90629		0.28	0.008	0.2	1.67	21	<10	290	0.6	<2	1.00	<0.5	13	37	34	3.22
CC90630		0.18	0.005	0.2	1.04	17	<10	170	<0.5	<2	1.18	<0.5	11	20	31	2.75
CC90631		0.24	0.001	0.3	0.89	26	<10	180	0.6	<2	1.72	0.5	15	15	48	3.24
CC90632		0.34	0.002	0.2	0.75	20	<10	120	0.6	<2	3.26	<0.5	14	12	44	3.81
CC90633		0.42	0.003	<0.2	0.40	16	<10	50	<0.5	<2	11.5	<0.5	9	6	23	2.57
CC90634		0.24	0.003	0.2	0.81	12	<10	110	<0.5	<2	1.75	<0.5	10	14	23	2.61
CC90635		0.26	0.003	<0.2	0.80	15	<10	130	0.5	<2	2.13	<0.5	11	12	28	2.96
CC90636		0.44	0.003	0.2	1.15	27	<10	170	0.5	<2	0.95	<0.5	14	20	38	3.76
CC90637		0.38	0.003	0.4	0.77	227	<10	130	<0.5	<2	1.81	<0.5	14	12	37	4.80
CC90638		0.32	0.002	0.2	0.97	26	<10	140	<0.5	<2	0.99	<0.5	11	17	28	3.44
CC90639		0.26	0.003	<0.2	0.95	70	<10	110	0.5	<2	0.54	<0.5	13	15	28	3.64
CC90640		0.36	0.006	<0.2	0.99	13	<10	120	<0.5	<2	0.78	<0.5	12	19	24	3.43
CC90641		0.42	0.007	<0.2	0.89	14	<10	150	<0.5	<2	4.73	<0.5	8	17	29	2.48
CC90642		0.34	0.004	0.3	1.00	9	<10	150	<0.5	<2	2.27	<0.5	9	23	26	2.72
CC90643		0.42	0.007	0.2	1.25	13	<10	230	0.5	<2	2.30	<0.5	10	24	32	2.74
CC90644		0.26	0.005	0.2	1.11	12	<10	200	0.5	<2	1.13	<0.5	9	24	24	2.62
CC90645		0.42	0.003	0.2	1.25	11	<10	290	0.5	<2	2.00	<0.5	9	22	24	2.72
CC90646		0.46	0.004	0.2	1.40	13	<10	280	0.5	<2	1.44	<0.5	10	30	27	2.75
CC90647		0.36	0.004	<0.2	1.20	12	<10	250	0.5	<2	2.13	<0.5	9	21	23	2.53
CC90648		0.58	0.003	<0.2	1.00	11	<10	200	<0.5	<2	5.38	<0.5	8	21	24	2.10
CC90649		0.32	0.002	0.2	1.34	10	<10	320	0.5	<2	0.96	0.5	10	23	19	2.75
CC90650		0.50	0.003	<0.2	1.07	11	<10	220	<0.5	<2	5.98	<0.5	7	21	21	2.02
CC90651		0.46	0.002	<0.2	0.79	12	<10	280	<0.5	<2	7.6	<0.5	5	15	11	1.77
CC90652		0.32	0.005	<0.2	1.72	14	<10	380	0.6	<2	2.20	1.1	8	27	11	3.00
CC90653		0.38	0.002	0.2	0.92	45	<10	3180	0.6	<2	5.62	<0.5	7	25	20	2.63
CC90654		0.32	0.003	<0.2	1.47	12	<10	680	0.5	<2	1.62	0.5	8	23	12	2.46
CC90655		0.48	0.006	<0.2	1.06	13	<10	510	<0.5	<2	8.0	<0.5	6	18	17	1.81
CC90656		0.38	0.002	<0.2	0.93	14	<10	860	<0.5	<2	7.8	0.5	6	18	12	1.73
CC90657		0.30	0.004	<0.2	0.89	12	<10	660	<0.5	<2	2.67	<0.5	6	18	14	1.78
CC90658		0.32	0.005	<0.2	1.15	14	<10	590	<0.5	<2	2.08	<0.5	7	20	17	2.17
CC90659		0.36	0.002	0.2	1.47	19	<10	280	0.6	<2	2.93	0.5	8	26	13	3.00
CC90660		0.42	0.002	0.2	1.19	18	<10	470	0.5	<2	5.52	0.5	7	22	17	2.34

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CERTIFICATE OF ANALYSIS VA10091016

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC90621		<10	<1	0.05	20	0.72	718	1	0.03	37	2120	312	0.10	7	2	41
CC90622		<10	<1	0.04	10	0.41	574	1	0.03	18	1240	26	0.09	<2	2	42
CC90623		<10	<1	0.06	10	0.49	560	4	0.03	25	1400	37	0.06	3	2	38
CC90624		<10	1	0.04	10	0.36	311	<1	0.03	15	1110	28	0.14	<2	1	50
CC90625		<10	<1	0.06	20	0.68	491	1	0.03	28	1600	23	0.04	<2	3	26
CC90626		<10	<1	0.37	20	0.66	600	1	0.07	27	1960	59	0.07	4	3	31
CC90627		<10	<1	0.24	10	0.73	394	1	0.05	23	940	59	0.08	3	2	25
CC90628		<10	<1	0.31	30	0.66	503	2	0.06	22	1100	25	0.12	2	2	42
CC90629		<10	<1	0.26	20	0.77	521	1	0.05	29	850	33	0.05	<2	3	26
CC90630		<10	<1	0.09	10	0.71	404	<1	0.03	28	870	29	0.06	2	2	25
CC90631		<10	1	0.06	10	0.40	1170	1	0.04	37	1410	44	0.08	3	3	35
CC90632		<10	<1	0.11	10	1.46	573	1	0.01	33	830	37	0.07	4	4	64
CC90633		<10	<1	0.06	<10	2.15	454	<1	0.01	16	550	16	0.07	<2	2	286
CC90634		<10	<1	0.05	10	0.42	509	1	0.01	16	950	18	0.11	<2	2	36
CC90635		<10	<1	0.05	10	0.64	691	<1	0.01	20	780	22	0.08	2	2	36
CC90636		<10	<1	0.07	10	0.80	866	<1	0.01	28	700	29	0.04	<2	4	18
CC90637		<10	<1	0.07	10	0.89	937	<1	0.01	24	800	15	0.05	3	4	46
CC90638		<10	<1	0.05	10	0.44	628	<1	0.01	19	710	21	0.07	<2	2	20
CC90639		<10	<1	0.05	10	0.40	686	1	0.01	20	610	22	0.05	2	3	13
CC90640		<10	<1	0.05	10	0.51	678	<1	0.01	18	750	31	0.06	<2	3	16
CC90641		<10	<1	0.09	10	2.81	458	<1	0.02	22	780	21	0.03	<2	3	52
CC90642		<10	<1	0.08	10	1.27	594	<1	0.01	22	830	26	0.06	<2	3	30
CC90643		<10	<1	0.08	10	1.49	566	<1	0.02	28	840	22	0.06	2	3	29
CC90644		<10	<1	0.07	10	0.53	514	<1	0.01	21	900	22	0.08	<2	3	21
CC90645		<10	<1	0.07	10	1.15	674	1	0.02	23	830	25	0.07	<2	3	27
CC90646		<10	<1	0.07	10	0.97	648	<1	0.02	26	830	25	0.05	<2	3	27
CC90647		<10	<1	0.07	10	1.23	594	<1	0.02	22	850	23	0.06	<2	3	34
CC90648		<10	<1	0.08	10	3.22	486	<1	0.02	21	780	20	0.03	<2	3	56
CC90649		<10	<1	0.06	10	0.50	611	<1	0.02	22	1070	23	0.07	<2	2	24
CC90650		<10	<1	0.07	10	3.75	411	<1	0.02	22	790	22	0.04	<2	3	72
CC90651		<10	<1	0.05	10	4.79	444	<1	0.02	16	950	24	0.04	2	2	69
CC90652		<10	1	0.05	10	1.39	650	<1	0.02	19	600	57	0.05	2	3	23
CC90653		<10	<1	0.07	10	3.19	540	1	0.10	23	2540	200	0.13	36	2	108
CC90654		<10	<1	0.03	10	0.50	831	<1	0.03	15	1060	34	0.10	2	2	19
CC90655		<10	<1	0.06	10	5.01	433	<1	0.03	20	850	29	0.05	<2	2	78
CC90656		<10	<1	0.05	<10	4.73	480	<1	0.04	18	1000	33	0.10	<2	2	139
CC90657		<10	<1	0.05	10	0.89	555	<1	0.03	16	1020	19	0.14	2	1	30
CC90658		<10	1	0.05	10	0.73	620	<1	0.02	17	1010	23	0.11	<2	2	24
CC90659		<10	<1	0.05	10	1.81	607	<1	0.02	20	900	70	0.06	2	3	34
CC90660		<10	<1	0.06	10	3.31	707	<1	0.03	21	840	57	0.08	<2	2	57

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	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC90621		<20	0.01	<10	<10	26	<10	329
CC90622		<20	0.01	<10	<10	21	<10	71
CC90623		<20	0.01	<10	<10	25	<10	119
CC90624		<20	0.01	<10	<10	12	<10	70
CC90625		<20	0.02	<10	<10	38	<10	108
CC90626		<20	0.03	<10	<10	51	<10	100
CC90627		<20	0.01	<10	<10	39	<10	106
CC90628		<20	0.02	<10	<10	31	<10	75
CC90629		<20	0.02	<10	<10	37	<10	78
CC90630		<20	0.01	<10	<10	21	<10	89
CC90631		<20	0.01	<10	<10	29	<10	106
CC90632		<20	0.01	<10	<10	20	<10	105
CC90633		<20	0.01	<10	<10	10	<10	52
CC90634		<20	0.01	<10	<10	19	<10	69
CC90635		<20	0.01	<10	<10	21	<10	93
CC90636		<20	0.02	<10	<10	32	<10	109
CC90637		<20	0.01	<10	<10	20	<10	79
CC90638		<20	0.01	<10	<10	25	<10	86
CC90639		<20	0.01	<10	<10	25	<10	84
CC90640		<20	0.02	<10	<10	26	<10	108
CC90641		<20	0.04	<10	<10	31	<10	92
CC90642		<20	0.03	<10	<10	32	<10	118
CC90643		<20	0.04	<10	<10	44	<10	114
CC90644		<20	0.02	<10	<10	34	<10	111
CC90645		<20	0.03	<10	<10	40	<10	97
CC90646		<20	0.03	<10	<10	46	<10	101
CC90647		<20	0.03	<10	<10	39	<10	107
CC90648		<20	0.04	<10	<10	36	<10	97
CC90649		<20	0.02	<10	<10	43	<10	132
CC90650		<20	0.03	<10	<10	35	<10	81
CC90651		<20	0.02	<10	<10	31	<10	96
CC90652		<20	0.03	<10	<10	57	<10	183
CC90653		<20	0.01	<10	<10	31	10	532
CC90654		<20	0.02	<10	<10	47	<10	115
CC90655		<20	0.02	<10	<10	34	<10	97
CC90656		<20	0.02	<10	<10	33	<10	194
CC90657		<20	0.02	<10	<10	29	<10	92
CC90658		<20	0.02	<10	<10	37	<10	94
CC90659		<20	0.02	<10	<10	51	<10	114
CC90660		<20	0.03	<10	<10	40	<10	126

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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Project: RAU

Finalized Date: 14-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10091016

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC90661		0.24	0.002	<0.2	1.22	9	<10	210	<0.5	<2	1.98	0.5	5	20	12	2.19
CC90662		0.22	0.002	<0.2	1.19	12	<10	300	0.5	<2	2.13	0.5	7	19	12	2.10
CC90663		0.32	0.003	<0.2	1.39	17	<10	310	0.6	<2	2.14	<0.5	10	25	15	2.68
CC90664		0.24	0.001	<0.2	1.02	9	<10	370	<0.5	<2	3.36	<0.5	7	25	20	1.76
CC90665		0.30	<0.001	<0.2	1.52	10	<10	160	0.5	<2	1.69	0.5	8	24	10	2.63
CC90666		0.30	0.001	0.2	1.84	15	<10	410	0.7	<2	1.21	<0.5	8	28	11	2.91
CC90667		0.44	0.001	<0.2	1.93	19	<10	190	0.8	<2	2.60	<0.5	7	29	11	2.92
CC90668		0.40	<0.001	<0.2	1.94	8	<10	330	0.8	<2	0.62	2.8	8	28	15	2.82
CC90669		0.28	0.001	0.2	1.70	16	<10	200	0.7	<2	1.32	1.3	10	28	15	2.91
CC90670		0.36	0.001	<0.2	2.11	13	<10	230	0.8	<2	0.54	<0.5	11	33	16	3.00
CC90671		0.24	0.001	<0.2	1.90	13	<10	160	0.8	<2	0.92	0.6	10	29	14	3.03
CC90672		0.38	0.001	<0.2	1.94	11	<10	230	0.6	2	0.48	<0.5	9	30	18	3.02
CC90673		0.38	0.002	<0.2	1.59	11	<10	130	0.5	<2	0.67	0.6	8	23	11	2.94
CC90674		0.40	0.003	0.2	1.53	15	<10	210	0.6	<2	4.64	<0.5	7	25	19	2.62
CC90675		0.44	<0.001	0.2	1.80	16	<10	280	0.7	<2	1.01	<0.5	13	30	16	3.29
CC90676		0.22	0.003	0.4	1.14	12	<10	460	<0.5	<2	1.92	0.9	11	27	40	2.70
CC90677		0.14	0.002	<0.2	1.35	10	<10	220	<0.5	<2	1.32	<0.5	11	33	31	2.74
CC90678		0.20	0.003	0.4	1.23	14	<10	310	0.5	<2	1.33	0.6	13	26	40	3.26
CC90679		0.26	0.002	0.6	2.12	12	<10	270	0.6	<2	0.63	<0.5	14	62	29	3.49
CC90680		0.34	0.003	0.4	2.04	17	<10	300	0.7	<2	0.47	<0.5	14	41	23	3.60
CC90681		0.22	0.001	<0.2	1.53	10	<10	240	<0.5	<2	0.26	0.7	12	38	20	3.38
CC90682		0.24	0.001	0.2	2.14	15	<10	260	0.5	<2	0.48	0.7	17	55	37	3.88
CC90683		0.32	0.001	<0.2	2.11	14	<10	210	0.5	<2	0.48	<0.5	18	58	38	3.73
CC90684		0.28	0.001	1.1	4.01	5	<10	220	0.6	<2	0.29	<0.5	31	114	84	5.97
CC90685		0.18	<0.001	<0.2	2.15	11	<10	190	<0.5	<2	0.98	<0.5	18	69	35	3.80
CC90686		0.18	0.001	0.2	2.59	16	<10	210	0.6	<2	0.24	<0.5	15	59	30	3.98
CC90687		0.18	0.001	0.2	1.96	8	<10	200	<0.5	<2	1.40	<0.5	19	68	47	3.36
CC90688		0.36	0.001	0.5	3.34	12	<10	200	0.8	<2	0.70	<0.5	26	119	54	5.45
CC90689		0.22	0.001	<0.2	2.03	10	<10	280	<0.5	<2	0.71	<0.5	9	49	21	2.95
CC90690		0.20	0.002	0.2	2.25	10	<10	300	0.5	<2	0.93	0.8	17	64	33	3.64
CC90691		0.12	0.002	0.4	1.52	15	<10	250	0.5	<2	1.82	0.5	13	39	36	3.19
CC90692		0.24	0.004	0.4	1.54	14	<10	190	0.5	<2	1.66	<0.5	13	39	38	3.11
CC90693		0.18	0.001	<0.2	1.58	11	<10	260	<0.5	<2	1.52	<0.5	12	45	34	2.87
CC90694		0.22	0.002	0.3	1.57	16	<10	200	0.5	<2	0.83	0.6	12	37	33	3.22
CC90695		0.32	0.003	0.2	1.52	16	<10	200	0.5	<2	0.71	0.5	12	36	25	3.30
CC90696		0.18	0.002	0.2	1.46	12	<10	190	0.5	<2	1.21	0.8	9	27	16	2.61
CC90697		0.32	0.003	0.4	1.49	14	<10	210	0.5	<2	1.20	0.5	12	33	35	3.17
CC90698		0.26	0.001	0.2	1.74	15	<10	180	0.5	<2	0.40	<0.5	10	35	18	3.01
CC90699		0.22	0.002	0.2	2.10	16	<10	210	0.8	<2	1.06	<0.5	14	39	22	3.60
CC90700		0.14	<0.001	0.3	1.56	11	<10	200	0.5	<2	1.32	2.0	11	30	22	2.81

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Project: RAU

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CERTIFICATE OF ANALYSIS VA10091016

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC90661		<10	<1	0.03	10	0.62	440	<1	0.01	12	940	24	0.14	<2	2	23
CC90662		<10	<1	0.04	<10	0.74	603	<1	0.02	12	1010	23	0.16	<2	1	26
CC90663		<10	<1	0.05	10	0.83	694	1	0.02	24	1120	38	0.10	3	2	25
CC90664		<10	<1	0.04	10	1.16	435	<1	0.02	18	950	19	0.11	<2	2	37
CC90665		<10	<1	0.04	10	0.74	453	<1	0.01	15	890	32	0.08	<2	2	19
CC90666		10	<1	0.04	10	0.74	632	<1	0.02	19	620	29	0.05	2	3	18
CC90667		<10	<1	0.04	10	1.77	472	<1	0.02	21	720	26	0.04	3	3	23
CC90668		10	<1	0.04	10	0.50	1290	1	0.02	19	490	73	0.03	3	3	17
CC90669		10	<1	0.07	10	0.98	1095	<1	0.02	23	720	92	0.03	5	3	31
CC90670		<10	<1	0.05	10	0.61	711	<1	0.01	24	510	42	0.02	3	4	20
CC90671		10	<1	0.07	10	0.73	707	<1	0.02	24	690	31	0.03	2	4	33
CC90672		<10	<1	0.05	10	0.52	434	1	0.01	23	520	25	0.02	2	4	16
CC90673		<10	<1	0.04	10	0.43	281	<1	0.01	16	690	20	0.03	<2	2	18
CC90674		<10	<1	0.06	10	3.04	576	<1	0.02	23	660	41	0.02	<2	3	40
CC90675		10	<1	0.06	20	0.82	705	<1	0.02	26	620	44	0.02	2	4	32
CC90676		<10	<1	0.09	20	0.77	592	1	0.02	29	1550	18	0.10	<2	3	48
CC90677		<10	<1	0.08	10	0.82	382	1	0.02	29	1330	13	0.07	<2	3	40
CC90678		<10	<1	0.15	20	0.65	533	1	0.02	36	1380	28	0.07	<2	3	31
CC90679		10	1	0.07	20	0.96	584	1	0.02	42	980	27	0.03	<2	3	25
CC90680		<10	<1	0.09	20	0.74	766	1	0.02	35	720	50	0.02	<2	4	19
CC90681		10	<1	0.09	10	0.60	605	1	0.01	23	570	25	0.02	<2	3	13
CC90682		<10	<1	0.10	20	1.04	478	1	0.02	44	760	32	0.02	2	4	23
CC90683		10	<1	0.07	10	0.99	624	1	0.01	46	1020	24	0.02	2	3	22
CC90684		10	<1	0.07	10	2.17	491	<1	0.02	107	670	11	0.02	<2	4	12
CC90685		<10	<1	0.07	10	0.83	845	<1	0.01	54	1000	18	0.04	<2	3	34
CC90686		10	<1	0.07	10	0.86	386	1	0.01	50	360	22	0.01	<2	3	12
CC90687		10	<1	0.05	10	1.03	599	<1	0.01	57	600	19	0.06	<2	3	37
CC90688		10	<1	0.07	20	2.55	951	<1	0.02	79	1030	23	0.02	<2	8	22
CC90689		<10	<1	0.06	10	0.73	390	<1	0.01	31	520	22	0.03	<2	3	20
CC90690		10	<1	0.06	10	1.00	937	1	0.02	50	630	20	0.03	<2	3	29
CC90691		<10	<1	0.08	10	1.10	741	1	0.02	39	1130	30	0.05	<2	3	36
CC90692		<10	<1	0.10	10	1.19	526	<1	0.01	37	1010	29	0.04	3	4	30
CC90693		<10	<1	0.06	10	0.87	598	1	0.01	41	900	20	0.06	<2	3	36
CC90694		<10	<1	0.09	10	0.77	659	1	0.01	34	860	32	0.03	<2	4	22
CC90695		<10	<1	0.07	10	0.72	717	1	0.01	33	870	34	0.02	<2	3	18
CC90696		<10	<1	0.07	10	0.60	549	<1	0.01	21	680	31	0.05	2	3	22
CC90697		<10	<1	0.07	10	0.90	632	1	0.01	34	930	37	0.04	<2	3	22
CC90698		<10	<1	0.07	10	0.66	457	1	0.01	30	650	31	0.02	<2	3	16
CC90699		<10	<1	0.08	10	1.00	865	1	0.01	37	700	43	0.02	<2	4	20
CC90700		<10	<1	0.08	10	0.61	851	1	0.02	24	690	34	0.06	<2	3	21

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CERTIFICATE OF ANALYSIS VA10091016

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC90661		<20	0.02	<10	<10	39	<10	111
CC90662		<20	0.02	<10	<10	40	<10	121
CC90663		<20	0.02	<10	<10	47	<10	153
CC90664		<20	0.02	<10	<10	31	<10	85
CC90665		<20	0.02	<10	<10	47	<10	145
CC90666		<20	0.02	<10	<10	55	<10	99
CC90667		<20	0.02	<10	<10	54	<10	105
CC90668		<20	0.03	<10	<10	62	<10	318
CC90669		<20	0.03	<10	<10	62	10	193
CC90670		<20	0.04	<10	<10	70	<10	124
CC90671		<20	0.03	<10	<10	65	<10	139
CC90672		<20	0.03	<10	<10	62	<10	106
CC90673		<20	0.03	<10	<10	54	<10	272
CC90674		<20	0.03	<10	<10	54	<10	106
CC90675		<20	0.03	<10	<10	66	<10	161
CC90676		<20	0.03	<10	<10	36	<10	141
CC90677		<20	0.06	<10	<10	44	<10	77
CC90678		<20	0.03	<10	<10	37	<10	134
CC90679		<20	0.07	<10	<10	71	<10	100
CC90680		<20	0.05	<10	<10	65	<10	120
CC90681		<20	0.08	<10	<10	65	<10	125
CC90682		<20	0.10	<10	<10	70	<10	97
CC90683		<20	0.07	<10	<10	68	<10	92
CC90684		<20	0.22	<10	<10	70	<10	78
CC90685		<20	0.08	<10	<10	61	<10	80
CC90686		<20	0.11	<10	<10	79	<10	85
CC90687		<20	0.07	<10	<10	61	<10	75
CC90688		<20	0.16	<10	<10	102	<10	103
CC90689		<20	0.05	<10	<10	67	<10	84
CC90690		<20	0.08	<10	<10	78	<10	83
CC90691		<20	0.05	<10	<10	48	<10	106
CC90692		<20	0.05	<10	<10	49	<10	122
CC90693		<20	0.04	<10	<10	47	<10	98
CC90694		<20	0.05	<10	<10	53	<10	115
CC90695		<20	0.04	<10	<10	52	<10	127
CC90696		<20	0.03	<10	<10	48	<10	109
CC90697		<20	0.04	<10	<10	48	<10	120
CC90698		<20	0.04	<10	<10	56	<10	110
CC90699		<20	0.05	<10	<10	64	<10	138
CC90700		<20	0.04	<10	<10	54	<10	161

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Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC90701		0.24	0.001	0.3	1.82	18	<10	270	0.6	<2	1.56	<0.5	13	45	26	3.63
CC90702		0.16	0.002	0.2	1.61	15	<10	210	0.5	<2	0.86	0.6	12	38	26	3.19
CC90703		0.28	0.002	0.4	2.06	14	<10	190	0.5	<2	0.99	<0.5	16	58	45	3.98
CC90704		0.28	0.001	0.3	1.70	15	<10	150	<0.5	<2	2.63	<0.5	18	71	50	4.07
CC90705		0.22	0.001	0.3	1.66	9	<10	220	<0.5	2	2.72	0.7	19	66	55	3.55
CC90706		0.16	0.002	0.3	2.05	12	<10	290	<0.5	2	1.74	0.6	24	75	50	4.03
CC90707		0.14	0.002	<0.2	2.02	13	<10	260	0.5	<2	1.63	0.7	23	77	66	4.04
CC90708		0.18	0.001	<0.2	1.83	11	<10	270	0.5	2	1.88	0.5	18	64	52	3.63
CC90709		0.24	0.001	<0.2	1.61	10	<10	140	<0.5	2	0.26	0.5	10	56	21	3.63
CC90710		0.18	0.001	0.2	1.80	7	<10	240	<0.5	<2	1.41	<0.5	10	38	25	2.60
CC90711		0.20	0.001	<0.2	0.64	8	<10	180	<0.5	<2	4.03	<0.5	6	14	42	1.03
CC90712		0.16	0.001	0.2	2.24	4	<10	150	<0.5	2	3.40	0.5	47	134	200	4.12
CC90713		0.20	0.002	<0.2	1.87	7	<10	180	<0.5	2	1.90	<0.5	19	74	58	3.61
CC90714		0.28	0.002	0.2	2.76	8	<10	150	0.5	2	0.68	0.5	46	87	118	6.29
CC90715		0.16	0.002	0.3	1.83	4	<10	160	<0.5	2	2.67	<0.5	25	73	281	2.97
CC90716		0.22	<0.001	<0.2	2.63	6	<10	60	<0.5	2	0.25	<0.5	26	175	46	6.81
CC90717		0.14	<0.001	<0.2	2.57	12	<10	70	<0.5	3	2.09	<0.5	31	158	66	4.47
CC90718		0.16	<0.001	0.2	2.79	3	<10	80	<0.5	2	1.50	<0.5	27	135	100	4.95
CC90719		0.22	0.001	<0.2	2.32	8	<10	90	<0.5	<2	1.24	<0.5	26	135	34	4.75
CC90720		0.16	0.003	0.3	1.48	6	<10	170	<0.5	2	0.83	<0.5	11	40	39	2.97
CC90721		0.12	0.001	<0.2	3.29	9	<10	380	0.6	<2	1.00	<0.5	24	112	56	5.54
CC90722		0.10	0.004	1.0	1.30	11	<10	250	<0.5	2	1.81	0.9	12	55	72	2.39
CC90723		0.24	0.003	0.5	3.19	9	<10	290	0.6	2	1.55	<0.5	21	76	70	5.37
CC90724		0.20	0.004	0.5	1.91	19	<10	500	0.7	<2	1.81	1.1	22	31	79	4.45
CC90725		0.20	0.002	0.3	1.77	11	<10	240	<0.5	<2	2.11	0.5	16	40	47	3.83
CC90726		0.16	0.001	0.3	0.83	12	<10	230	<0.5	<2	3.16	0.7	11	21	84	2.52
CC90727		0.30	0.002	0.3	1.90	16	<10	120	<0.5	4	2.15	0.7	21	79	64	4.32
CC90728		0.18	0.002	0.3	1.23	9	<10	130	<0.5	4	2.56	0.5	10	31	32	3.13
CC90729		0.18	0.001	0.2	1.44	17	<10	180	0.5	2	3.16	0.5	16	35	40	3.45
CC90730		0.20	0.002	0.2	1.72	14	<10	150	0.5	2	3.16	0.6	18	84	39	3.51
CC90731		0.10	0.002	0.2	1.14	19	<10	260	<0.5	<2	2.72	0.8	11	40	38	2.67
CC90732		0.18	0.003	0.3	1.11	28	<10	180	0.5	3	3.73	0.9	8	25	17	2.72
CC90733		0.28	<0.001	0.2	1.28	10	<10	120	<0.5	<2	0.19	<0.5	9	30	8	2.33
CC90734		0.24	0.002	0.2	1.51	13	<10	190	0.5	2	3.28	0.6	7	21	10	2.13
CC90735		0.18	0.002	<0.2	1.05	15	<10	140	<0.5	2	10.0	<0.5	5	20	6	1.52
CC90736		0.22	0.005	0.3	2.06	22	<10	220	0.8	2	3.44	0.8	9	29	17	3.14
CC90737		0.32	0.005	<0.2	0.66	19	<10	130	<0.5	<2	11.5	0.8	5	13	12	1.49
CC90738		0.18	0.006	0.4	1.13	21	<10	270	0.5	2	2.87	0.9	9	19	21	2.43
CC90739		0.20	<0.001	0.3	0.64	12	<10	140	<0.5	2	8.5	0.5	3	13	10	1.02
CC90740		0.14	<0.001	<0.2	0.76	9	<10	190	<0.5	<2	2.94	<0.5	9	16	25	1.74

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To: **ATAC RESOURCES LTD.**
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Project: RAU

Finalized Date: 14-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10091016

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC90701		<10	<1	0.07	20	1.32	517	2	0.01	39	920	34	0.04	2	4	19
CC90702		<10	<1	0.08	10	0.77	537	<1	0.01	33	950	30	0.03	2	3	21
CC90703		10	<1	0.08	10	1.14	631	1	0.01	50	1210	27	0.04	3	4	27
CC90704		<10	1	0.08	10	2.16	746	1	0.01	69	1480	18	0.03	<2	4	39
CC90705		<10	1	0.06	10	1.74	720	1	0.01	67	1260	20	0.05	<2	3	42
CC90706		10	1	0.08	10	1.04	993	1	0.01	73	830	20	0.04	<2	4	41
CC90707		10	1	0.09	10	1.22	720	1	<0.01	82	970	24	0.04	<2	4	40
CC90708		10	1	0.09	10	1.11	678	1	0.01	68	1140	21	0.05	<2	3	49
CC90709		10	<1	0.06	10	0.61	297	1	<0.01	37	330	16	<0.01	2	2	13
CC90710		10	<1	0.05	10	0.59	530	1	0.01	20	600	15	0.05	<2	3	46
CC90711		<10	1	0.02	<10	0.28	305	<1	0.01	16	740	7	0.13	<2	1	117
CC90712		<10	1	0.07	10	0.86	1025	<1	0.01	206	1480	7	0.09	2	3	67
CC90713		<10	1	0.06	10	1.31	593	1	0.01	80	880	10	0.08	2	3	65
CC90714		10	<1	0.06	10	1.94	729	2	0.01	99	560	65	0.01	2	7	28
CC90715		<10	1	0.03	10	1.00	795	1	0.01	108	990	10	0.12	<2	3	110
CC90716		10	1	0.04	10	1.72	440	1	0.01	121	820	11	0.01	<2	3	6
CC90717		10	<1	0.06	10	2.34	875	<1	0.01	137	1320	7	0.07	<2	8	59
CC90718		10	<1	0.07	20	2.43	682	1	0.01	78	970	7	0.05	<2	4	56
CC90719		10	1	0.07	10	2.07	567	2	0.01	74	1200	8	0.05	<2	6	41
CC90720		<10	1	0.09	20	0.73	397	<1	<0.01	31	950	11	0.07	<2	3	45
CC90721		10	1	0.10	10	3.01	499	<1	0.01	63	1760	7	0.06	<2	7	57
CC90722		<10	1	0.11	10	0.89	412	3	0.01	45	3520	12	0.09	<2	2	79
CC90723		10	1	0.08	20	2.84	549	1	0.01	44	2770	6	0.08	<2	6	72
CC90724		10	1	0.10	20	1.14	1090	4	0.01	39	3270	26	0.07	<2	4	90
CC90725		<10	1	0.08	20	1.38	645	1	0.01	39	1500	15	0.11	2	3	76
CC90726		<10	1	0.05	10	0.79	851	2	0.01	46	1200	20	0.12	4	2	64
CC90727		<10	1	0.10	10	2.21	636	2	0.01	73	2020	18	0.08	<2	5	62
CC90728		<10	1	0.08	10	0.74	473	<1	0.01	28	950	19	0.11	2	2	43
CC90729		<10	1	0.11	10	1.51	644	1	0.01	33	1540	36	0.07	<2	3	56
CC90730		10	1	0.08	10	2.43	721	1	0.01	51	1220	29	0.05	<2	4	42
CC90731		<10	1	0.10	10	1.00	636	1	0.01	31	1300	44	0.10	2	2	46
CC90732		<10	1	0.05	10	1.67	782	1	0.01	22	1750	45	0.07	3	2	26
CC90733		<10	<1	0.04	10	0.28	383	1	<0.01	11	210	13	<0.01	2	2	7
CC90734		<10	1	0.05	10	1.10	821	<1	0.01	13	3670	20	0.08	<2	2	25
CC90735		<10	1	0.04	10	5.94	648	<1	0.01	11	2260	20	0.04	<2	1	35
CC90736		<10	<1	0.07	10	1.65	945	1	0.01	22	3420	78	0.07	<2	2	28
CC90737		<10	1	0.06	<10	6.96	747	<1	0.01	16	1880	38	0.02	4	2	60
CC90738		<10	<1	0.06	10	0.62	1235	<1	0.01	21	1900	47	0.09	<2	2	27
CC90739		<10	1	0.03	<10	4.25	457	1	0.01	8	1970	14	0.09	2	1	30
CC90740		<10	<1	0.05	10	0.40	648	2	0.02	29	1160	26	0.14	<2	1	58

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Project: RAU

Finalized Date: 14-JUL-2010
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CERTIFICATE OF ANALYSIS VA10091016

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC90701		<20	0.05	<10	<10	63	<10	103
CC90702		<20	0.05	<10	<10	51	<10	123
CC90703		<20	0.09	<10	<10	63	<10	107
CC90704		<20	0.11	<10	<10	50	<10	82
CC90705		<20	0.07	<10	<10	48	<10	104
CC90706		<20	0.05	<10	<10	63	<10	126
CC90707		<20	0.04	<10	<10	57	<10	119
CC90708		<20	0.04	<10	<10	53	<10	99
CC90709		<20	0.13	<10	<10	87	<10	82
CC90710		<20	0.04	<10	<10	62	<10	67
CC90711		<20	0.02	<10	<10	20	<10	20
CC90712		<20	0.03	<10	<10	69	<10	98
CC90713		<20	0.06	<10	<10	54	<10	74
CC90714		<20	0.25	<10	<10	86	<10	211
CC90715		<20	0.03	<10	<10	46	<10	53
CC90716		<20	0.45	<10	<10	106	<10	69
CC90717		<20	0.13	<10	<10	81	<10	70
CC90718		<20	0.17	<10	<10	88	<10	74
CC90719		<20	0.15	<10	<10	81	<10	91
CC90720		<20	0.04	<10	<10	44	<10	67
CC90721		<20	0.15	<10	<10	111	<10	79
CC90722		<20	0.03	<10	<10	70	<10	126
CC90723		<20	0.15	<10	<10	122	<10	101
CC90724		<20	0.07	<10	<10	60	<10	167
CC90725		<20	0.08	<10	<10	51	<10	107
CC90726		<20	0.02	<10	<10	25	<10	94
CC90727		<20	0.09	<10	<10	55	<10	129
CC90728		<20	0.02	<10	<10	35	<10	119
CC90729		<20	0.02	<10	<10	38	<10	113
CC90730		<20	0.04	<10	<10	62	<10	106
CC90731		<20	0.02	<10	<10	34	<10	136
CC90732		<20	0.02	<10	<10	36	<10	101
CC90733		<20	0.03	<10	<10	46	<10	59
CC90734		<20	0.02	<10	<10	47	<10	122
CC90735		<20	0.02	<10	<10	35	<10	171
CC90736		<20	0.02	<10	<10	64	<10	207
CC90737		<20	0.02	<10	<10	25	<10	178
CC90738		<20	0.02	<10	<10	38	<10	207
CC90739		<20	0.01	<10	<10	24	<10	83
CC90740		<20	0.02	<10	<10	24	<10	95

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

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CERTIFICATE OF ANALYSIS VA10091016

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC90741		0.18	<0.001	<0.2	1.45	15	<10	220	0.6	<2	1.53	1.2	13	24	18	3.04
CC90742		0.14	<0.001	<0.2	0.91	11	<10	200	0.5	<2	2.45	<0.5	11	22	31	2.33
CC90743		0.22	0.001	<0.2	1.07	17	<10	140	<0.5	<2	2.40	<0.5	11	16	33	2.72
CC90744		0.18	0.002	<0.2	1.09	10	<10	130	<0.5	<2	1.71	0.5	19	24	34	3.57
CC90745		0.34	0.002	<0.2	1.01	19	<10	160	<0.5	<2	3.33	<0.5	10	22	32	2.76
CC90746		0.22	0.003	<0.2	1.14	29	<10	160	0.5	<2	1.40	<0.5	14	21	63	3.36
CC90747		0.26	0.002	<0.2	1.04	26	<10	150	0.5	<2	0.91	<0.5	13	19	44	2.96
CC90748		0.08	0.007	<0.2	1.40	10	<10	180	<0.5	<2	2.22	<0.5	17	44	125	3.00
CC90749		0.24	0.009	<0.2	1.52	8	<10	120	<0.5	<2	2.65	<0.5	30	80	146	3.17
CC90750		0.18	0.002	<0.2	4.10	5	<10	50	0.5	<2	1.12	<0.5	42	219	74	6.21
CC90751		0.32	0.006	<0.2	2.81	30	<10	150	0.5	<2	2.80	<0.5	30	115	75	5.02
CC90752		0.18	0.002	<0.2	4.98	21	<10	20	<0.5	<2	0.63	<0.5	58	258	117	8.70
CC90753		0.28	0.006	<0.2	1.91	20	<10	160	0.6	<2	0.21	<0.5	12	36	29	2.86
CC90754		0.36	0.002	<0.2	3.26	27	<10	130	<0.5	<2	0.64	<0.5	42	200	82	4.97
CC90755		0.22	0.010	<0.2	1.94	19	<10	210	0.5	<2	1.21	<0.5	28	79	76	3.81
CC90756		0.12	<0.001	<0.2	1.18	33	<10	90	<0.5	<2	1.50	<0.5	12	51	45	2.35
CC90757		0.14	0.003	<0.2	1.84	17	<10	160	0.5	<2	0.58	<0.5	15	60	27	3.93
CC90758		0.18	0.002	<0.2	0.57	20	<10	130	<0.5	<2	2.08	<0.5	5	21	23	1.65
CC90759		0.28	0.001	<0.2	2.87	6	<10	100	<0.5	<2	0.66	<0.5	24	114	82	4.81
CC90760		0.18	0.007	<0.2	2.17	11	<10	130	<0.5	<2	1.82	<0.5	23	99	95	4.03

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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC90741		<10	<1	0.07	10	0.56	1290	1	0.02	17	1040	27	0.06	<2	2	16
CC90742		<10	<1	0.08	10	0.51	612	1	0.02	35	1130	15	0.10	<2	2	31
CC90743		<10	<1	0.12	10	0.79	608	1	0.02	24	680	23	0.06	<2	2	27
CC90744		<10	1	0.06	30	0.75	546	2	0.02	25	1830	34	0.10	<2	3	47
CC90745		<10	<1	0.09	10	2.10	555	2	0.02	25	780	24	0.02	<2	3	36
CC90746		<10	<1	0.14	10	1.06	598	3	0.02	35	840	28	0.14	<2	3	21
CC90747		<10	<1	0.07	10	0.59	617	2	0.01	32	790	29	0.05	<2	2	18
CC90748		<10	<1	0.08	10	0.74	611	2	0.02	69	740	14	0.23	<2	2	50
CC90749		<10	1	0.04	10	0.93	901	1	0.02	132	900	8	0.13	<2	2	77
CC90750		10	1	0.02	10	4.19	724	1	0.02	164	1620	3	0.04	<2	8	35
CC90751		10	<1	0.07	10	2.89	878	2	0.02	116	1230	14	0.03	<2	5	59
CC90752		20	1	0.01	10	4.68	821	1	0.02	202	1530	4	0.02	<2	7	15
CC90753		<10	<1	0.05	10	0.58	338	2	0.01	31	460	17	0.01	<2	3	16
CC90754		10	<1	0.06	10	3.13	666	1	0.01	193	1190	8	0.03	<2	4	36
CC90755		10	<1	0.07	20	1.77	673	2	0.02	150	1090	15	0.03	<2	4	23
CC90756		<10	<1	0.06	10	1.02	310	2	0.02	45	620	5	0.11	<2	2	58
CC90757		10	<1	0.10	10	1.35	478	2	0.02	39	850	13	0.04	<2	5	28
CC90758		<10	<1	0.08	10	0.29	184	2	0.02	27	610	8	0.11	<2	1	94
CC90759		10	<1	0.09	10	2.44	615	1	0.01	64	1170	4	0.01	<2	2	31
CC90760		10	<1	0.04	10	1.87	777	2	0.02	94	1120	10	0.11	<2	5	85

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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC90741		<20	0.02	<10	<10	45	<10	114
CC90742		<20	0.03	<10	<10	26	<10	85
CC90743		<20	0.02	<10	<10	22	<10	89
CC90744		<20	0.02	<10	<10	31	<10	107
CC90745		<20	0.04	<10	<10	34	<10	103
CC90746		<20	0.02	<10	<10	33	<10	107
CC90747		<20	0.02	<10	<10	27	<10	93
CC90748		<20	0.04	<10	<10	44	<10	62
CC90749		<20	0.05	<10	<10	40	<10	58
CC90750		<20	0.17	<10	<10	127	<10	92
CC90751		<20	0.14	<10	<10	86	<10	108
CC90752		<20	0.47	<10	<10	163	<10	107
CC90753		<20	0.07	<10	<10	48	<10	60
CC90754		<20	0.10	<10	<10	75	<10	93
CC90755		<20	0.07	<10	<10	55	<10	105
CC90756		<20	0.06	<10	<10	44	<10	43
CC90757		<20	0.12	<10	<10	69	<10	86
CC90758		<20	0.06	<10	<10	19	<10	25
CC90759		<20	0.16	<10	<10	63	<10	71
CC90760		<20	0.07	<10	<10	75	<10	74

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 16-JUL-2010
Account: RCM

CERTIFICATE VA10091017

Project: RAU

P.O. No.: EL West

This report is for 209 Soil samples submitted to our lab in Vancouver, BC, Canada on 6-JUL-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-31	Pulverize split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
SCR-43	Screen to -500um, discard plus
SCR-01	Screen - Save plus fraction

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Project: RAU

CERTIFICATE OF ANALYSIS VA10091017

Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
Sample Description LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC75448	0.16	0.006	0.2	3.26	11	10	310	0.6	<2	0.87	<0.5	40	150	62	5.61
CC75449	0.24	0.002	0.2	2.56	13	10	260	0.6	<2	0.92	<0.5	23	102	75	4.64
CC75450	0.12	0.002	<0.2	2.53	10	10	290	<0.5	<2	2.64	<0.5	34	115	72	4.34
CC75451	0.12	NSS	0.2	2.25	50	10	230	0.5	<2	2.93	<0.5	26	127	65	4.18
CC75452	0.14	<0.001	<0.2	2.95	24	10	280	0.5	<2	2.04	<0.5	32	162	48	4.99
CC75453	0.32	0.001	<0.2	4.32	23	<10	140	0.9	3	1.55	<0.5	39	226	53	8.06
CC75454	0.12	<0.001	<0.2	4.28	12	10	250	<0.5	2	1.32	<0.5	46	191	51	7.52
CC75455	0.12	0.002	0.2	2.78	11	10	260	0.6	2	2.71	<0.5	34	132	103	4.90
CC75456	0.16	0.006	<0.2	1.92	31	10	240	0.5	<2	2.70	<0.5	22	80	47	4.02
CC76901	0.08	<0.001	0.3	2.37	8	10	240	0.5	<2	2.64	<0.5	27	108	59	4.37
CC88618	0.12	0.012	0.2	2.50	12	10	200	0.5	2	2.61	<0.5	28	131	71	4.51
CC88619	0.16	0.002	0.2	2.47	10	10	190	0.5	<2	2.28	<0.5	27	133	56	4.56
CC88620	0.18	0.002	<0.2	2.74	5	10	180	0.5	2	2.49	<0.5	34	169	96	4.67
CC88621	0.18	0.001	0.2	2.96	12	10	220	0.5	2	2.15	0.6	34	161	86	4.88
CC88622	0.16	0.002	<0.2	3.35	8	<10	220	0.6	<2	1.29	<0.5	31	181	67	5.19
CC88623	0.18	0.002	<0.2	3.08	14	10	210	0.5	<2	2.10	<0.5	32	148	72	5.04
CC88729	0.10	0.006	0.3	2.11	11	10	490	0.5	<2	2.04	0.5	24	83	76	3.96
CC88730	0.12	NSS	0.3	2.46	7	10	180	<0.5	2	2.02	<0.5	26	100	49	4.13
CC88731	0.10	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC88732	0.14	NSS	0.2	2.38	8	10	270	0.6	<2	2.37	<0.5	20	114	57	3.73
CC88733	0.18	0.002	0.3	2.44	5	10	240	0.6	<2	2.37	<0.5	21	127	55	3.80
CC88734	0.24	0.001	0.3	4.58	8	10	290	0.8	2	1.85	<0.5	43	81	56	6.72
CC88735	0.16	<0.001	0.2	2.82	8	10	330	0.7	<2	1.94	<0.5	17	37	62	4.64
CC88736	0.20	<0.001	<0.2	1.90	8	10	250	0.5	2	2.10	<0.5	18	59	49	3.10
CC88917	0.12	0.001	0.3	2.01	7	10	260	0.6	<2	2.20	0.6	19	68	75	3.45
CC88918	0.12	0.008	<0.2	2.10	9	10	230	0.5	<2	2.29	<0.5	22	80	64	3.78
CC88919	0.12	<0.001	0.2	2.97	11	10	290	0.6	2	1.74	<0.5	35	135	76	5.08
CC88920	0.14	0.001	<0.2	2.77	9	10	230	0.5	<2	1.67	<0.5	31	139	64	4.88
CC90776	0.38	<0.001	0.2	2.11	11	10	270	0.8	2	0.83	0.8	11	35	15	3.64
CC90777	0.34	<0.001	<0.2	1.98	13	10	240	0.7	<2	0.29	0.6	9	32	11	3.14
CC90778	0.42	<0.001	<0.2	2.10	10	10	210	0.7	<2	0.87	0.5	8	32	10	3.04
CC90779	0.28	0.001	<0.2	1.71	12	10	210	0.6	<2	1.15	0.8	7	28	13	2.60
CC90780	0.32	0.001	0.2	1.70	13	10	210	0.6	<2	2.49	0.5	9	25	27	3.06
CC90781	0.24	0.002	0.3	1.25	16	10	230	0.6	<2	1.68	0.5	12	20	40	3.76
CC90782	0.36	<0.001	0.3	1.91	17	10	370	0.7	<2	1.60	<0.5	12	35	33	3.34
CC90783	0.38	0.001	<0.2	1.92	12	<10	280	0.6	<2	0.67	<0.5	11	34	18	3.25
CC90784	0.32	<0.001	<0.2	2.54	15	<10	690	0.8	<2	1.68	<0.5	10	39	20	3.30
CC90785	0.38	<0.001	<0.2	2.24	12	<10	450	0.8	<2	1.10	<0.5	11	36	23	3.40
CC90786	0.34	<0.001	<0.2	1.92	10	<10	350	0.7	<2	1.07	0.6	10	31	29	3.07
CC90787	0.30	<0.001	0.2	1.67	12	<10	250	0.6	<2	1.91	0.9	11	28	32	3.16

***** See Appendix Page for comments regarding this certificate *****

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 16-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10091017

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC75448		10	1	0.18	20	2.37	958	2	0.02	104	1530	15	0.05	<2	8	37
CC75449		<10	<1	0.24	20	1.79	775	<1	0.03	88	1320	25	0.01	<2	7	34
CC75450		10	<1	0.17	10	1.80	1715	<1	0.03	108	1250	10	0.11	<2	6	92
CC75451		10	1	0.09	10	1.86	798	<1	0.03	108	1090	10	0.14	<2	6	128
CC75452		10	<1	0.11	10	2.71	1010	<1	0.02	125	1340	7	0.09	<2	7	92
CC75453		10	1	0.06	10	3.88	807	<1	0.02	159	1360	9	0.02	<2	12	97
CC75454		10	1	0.15	20	3.67	943	<1	0.02	185	1610	11	0.03	<2	11	56
CC75455		10	<1	0.13	10	1.98	1715	<1	0.03	146	1420	13	0.09	<2	6	75
CC75456		<10	1	0.18	10	1.53	563	<1	0.02	77	1140	23	0.08	<2	4	70
CC76901		10	1	0.12	10	1.91	974	<1	0.03	107	1240	11	0.10	<2	5	101
CC88618		10	1	0.11	10	2.09	851	<1	0.02	125	1040	9	0.09	<2	6	98
CC88619		10	1	0.10	10	2.05	778	<1	0.02	102	1100	9	0.09	<2	6	89
CC88620		10	1	0.07	10	2.43	1315	<1	0.02	161	1130	12	0.10	<2	6	86
CC88621		10	1	0.10	10	2.56	1135	<1	0.02	146	1200	11	0.09	<2	8	76
CC88622		10	1	0.10	10	2.81	993	<1	0.02	123	1380	8	0.07	<2	8	48
CC88623		10	1	0.12	10	2.54	1120	<1	0.02	102	1290	7	0.08	<2	7	69
CC88729		<10	<1	0.38	20	1.01	1025	<1	0.03	42	2580	13	0.09	<2	5	92
CC88730		10	<1	0.10	10	2.02	767	<1	0.02	72	1530	5	0.09	<2	3	81
CC88731		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC88732		<10	2	0.12	10	1.66	994	<1	0.02	48	1140	11	0.11	<2	5	71
CC88733		<10	1	0.14	10	1.68	820	<1	0.02	47	1240	11	0.09	<2	6	70
CC88734		10	1	0.28	40	4.13	994	<1	0.02	78	3980	9	0.04	<2	8	74
CC88735		10	1	0.17	20	1.29	816	<1	0.02	25	1290	15	0.06	<2	4	81
CC88736		<10	1	0.15	10	1.07	975	<1	0.02	58	770	17	0.09	<2	4	57
CC88917		10	1	0.16	10	1.18	940	<1	0.02	68	890	17	0.09	<2	4	59
CC88918		<10	1	0.16	10	1.47	884	<1	0.02	86	810	13	0.11	<2	5	80
CC88919		10	1	0.16	10	2.16	1830	<1	0.03	119	1040	14	0.07	<2	7	60
CC88920		10	<1	0.13	10	2.28	1155	<1	0.03	119	1110	12	0.07	<2	6	62
CC90776		10	<1	0.11	20	0.80	1050	<1	0.02	25	480	42	0.03	<2	5	17
CC90777		<10	<1	0.12	10	0.54	907	<1	0.03	23	200	49	0.01	2	4	16
CC90778		<10	1	0.11	20	0.80	723	<1	0.03	21	220	40	0.01	<2	5	31
CC90779		<10	1	0.15	10	0.65	498	<1	0.03	19	560	56	0.03	<2	3	22
CC90780		<10	<1	0.24	20	1.59	602	<1	0.03	24	680	28	0.02	<2	4	33
CC90781		<10	1	0.19	10	0.72	618	<1	0.03	29	870	21	0.06	<2	4	30
CC90782		<10	<1	0.18	20	1.34	721	<1	0.04	34	690	25	0.02	<2	5	30
CC90783		10	<1	0.16	20	0.73	681	<1	0.02	28	580	29	0.01	<2	5	25
CC90784		10	1	0.12	10	0.79	699	<1	0.03	23	1060	33	0.03	<2	4	31
CC90785		10	1	0.20	20	0.95	774	<1	0.03	28	510	30	0.01	<2	5	25
CC90786		10	<1	0.18	20	0.71	662	<1	0.03	26	580	24	0.02	<2	4	26
CC90787		<10	<1	0.27	20	1.37	705	<1	0.03	28	790	25	0.02	<2	4	30

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Project: RAU

CERTIFICATE OF ANALYSIS VA10091017

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC75448		<20	0.13	<10	<10	112	<10	116
CC75449		<20	0.16	<10	<10	88	<10	115
CC75450		<20	0.09	<10	<10	83	<10	80
CC75451		<20	0.09	<10	<10	80	<10	82
CC75452		<20	0.12	<10	<10	94	<10	87
CC75453		<20	0.26	<10	<10	168	<10	113
CC75454		<20	0.12	<10	<10	126	<10	125
CC75455		<20	0.07	<10	<10	86	<10	100
CC75456		<20	0.05	<10	<10	62	<10	99
CC76901		<20	0.07	<10	<10	75	<10	88
CC88618		<20	0.06	<10	<10	81	<10	85
CC88619		<20	0.07	<10	<10	84	<10	81
CC88620		<20	0.06	<10	<10	88	<10	84
CC88621		<20	0.09	<10	<10	99	<10	100
CC88622		<20	0.12	<10	<10	109	<10	103
CC88623		<20	0.12	<10	<10	100	<10	103
CC88729		<20	0.06	<10	<10	91	<10	107
CC88730		<20	0.12	<10	<10	86	<10	75
CC88731		NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC88732		<20	0.05	<10	<10	87	<10	85
CC88733		<20	0.06	<10	<10	92	<10	93
CC88734		<20	0.09	<10	<10	164	<10	124
CC88735		<20	0.03	<10	<10	68	<10	66
CC88736		<20	0.04	<10	<10	60	<10	118
CC88917		<20	0.04	<10	<10	62	<10	106
CC88918		<20	0.05	<10	<10	67	<10	96
CC88919		<20	0.08	<10	<10	96	<10	118
CC88920		<20	0.09	<10	<10	84	<10	94
CC90776		<20	0.03	<10	<10	70	<10	148
CC90777		<20	0.06	<10	<10	68	<10	157
CC90778		<20	0.05	<10	<10	74	<10	138
CC90779		<20	0.05	<10	<10	63	<10	173
CC90780		<20	0.04	<10	<10	52	<10	102
CC90781		<20	0.02	<10	<10	38	<10	112
CC90782		<20	0.05	<10	<10	63	<10	114
CC90783		<20	0.05	<10	<10	68	<10	163
CC90784		<20	0.03	<10	<10	80	<10	116
CC90785		<20	0.05	<10	<10	76	<10	119
CC90786		<20	0.04	<10	<10	64	<10	114
CC90787		<20	0.05	<10	<10	60	<10	147

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Project: RAU

CERTIFICATE OF ANALYSIS VA10091017

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC90788		0.30	0.001	<0.2	1.62	11	<10	220	0.6	<2	0.94	0.5	10	27	25	3.38
CC90789		0.36	0.001	0.2	1.36	11	<10	190	0.5	<2	5.24	<0.5	10	20	31	2.80
CC90790		0.32	0.002	<0.2	1.22	25	<10	130	0.5	<2	1.30	<0.5	14	17	40	4.68
CC90791		0.28	<0.001	<0.2	1.63	10	<10	190	0.6	<2	1.71	<0.5	12	21	30	3.75
CC90792		0.30	<0.001	<0.2	1.36	8	<10	180	0.5	<2	1.82	<0.5	11	19	30	3.13
CC90793		0.26	0.002	<0.2	3.06	4	<10	210	0.5	<2	2.29	<0.5	35	163	74	4.95
CC90794		0.32	<0.001	<0.2	3.64	2	<10	140	0.5	<2	1.57	<0.5	40	219	65	5.85
CC90795		0.24	0.011	<0.2	2.81	<2	<10	240	<0.5	<2	2.26	<0.5	35	149	70	4.63
CC90796		0.40	<0.001	<0.2	2.93	4	<10	100	<0.5	<2	1.51	<0.5	34	197	48	4.97
CC90797		0.42	<0.001	<0.2	3.38	2	<10	150	<0.5	<2	1.30	0.5	38	238	79	5.24
CC90798		0.42	<0.001	<0.2	3.35	5	<10	120	0.5	<2	0.41	<0.5	31	176	69	5.27
CC90799		0.30	<0.001	0.2	2.29	4	<10	200	0.5	<2	2.23	<0.5	28	113	53	4.61
CC90800		0.24	0.007	<0.2	1.89	2	<10	220	<0.5	<2	3.28	<0.5	25	93	82	3.87
CC90801		0.38	<0.001	0.2	2.52	2	<10	270	0.5	<2	2.93	<0.5	36	135	79	5.56
CC90802		0.24	0.005	<0.2	1.32	4	<10	200	<0.5	<2	4.47	<0.5	22	71	73	3.12
CC90821		0.26	0.001	<0.2	1.28	39	<10	200	0.5	<2	2.83	<0.5	14	23	45	3.20
CC90822		0.20	<0.001	<0.2	1.84	18	<10	200	0.6	<2	1.77	0.8	16	36	50	3.28
CC90823		0.16	NSS	0.3	1.25	25	<10	210	0.5	<2	2.51	0.6	13	24	45	3.02
CC90824		0.10	<0.001	0.4	1.26	20	<10	200	0.5	<2	2.23	0.6	11	24	28	2.51
CC90825		0.20	<0.001	<0.2	1.18	15	<10	180	0.5	<2	1.02	<0.5	9	18	33	2.69
CC90826		0.50	0.001	0.2	0.65	31	<10	110	<0.5	<2	8.2	0.9	11	11	39	2.71
CC90827		0.30	0.007	<0.2	0.71	78	<10	140	0.7	<2	5.13	0.5	25	8	56	6.36
CC90828		0.12	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC90829		0.22	0.001	0.4	0.73	55	<10	120	0.6	<2	4.38	0.6	10	12	50	2.83
CC90830		0.12	0.002	0.3	0.81	30	<10	160	<0.5	<2	1.28	<0.5	7	11	105	1.93
CC90831		0.18	0.002	0.4	0.83	43	<10	130	0.5	<2	0.94	<0.5	11	13	53	2.40
CC90832		0.18	0.001	0.6	0.95	44	<10	130	0.5	<2	1.22	0.5	15	14	62	2.98
CC90833		0.26	<0.001	0.2	0.70	42	<10	90	0.5	<2	0.82	<0.5	13	10	35	3.34
CC90834		0.16	<0.001	0.3	0.86	32	<10	130	0.5	<2	1.20	0.5	10	12	32	2.78
CC90835		0.18	<0.001	<0.2	0.76	24	<10	130	0.5	<2	1.73	0.6	12	12	26	3.29
CC90836		0.38	<0.001	<0.2	0.99	26	<10	140	0.6	<2	0.99	<0.5	14	15	24	3.70
CC90837		0.20	<0.001	0.3	0.85	28	<10	110	0.6	<2	1.56	0.5	12	12	30	3.39
CC90838		0.18	<0.001	0.3	0.79	24	<10	90	0.5	<2	1.88	<0.5	12	10	31	3.23
CC90839		0.12	<0.001	0.3	0.82	28	<10	100	<0.5	<2	1.47	<0.5	9	11	24	2.78
CC90840		0.16	<0.001	0.3	0.80	35	<10	90	0.6	<2	1.24	<0.5	13	11	25	3.75
CC90841		0.22	0.001	0.3	0.60	39	<10	130	<0.5	<2	2.41	<0.5	13	8	24	3.38
CC90842		0.14	NSS	<0.2	0.62	13	<10	110	<0.5	<2	2.39	<0.5	6	7	14	1.81
CC90843		0.34	0.005	0.3	0.48	36	<10	70	<0.5	<2	5.05	<0.5	12	6	29	3.37
CC90844		0.22	0.002	0.2	0.77	34	<10	90	0.6	<2	0.84	<0.5	11	12	51	3.02
CC90845		0.20	<0.001	<0.2	0.95	19	<10	80	0.5	<2	2.64	<0.5	13	13	31	3.41

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10091017

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC90788		<10	<1	0.20	20	0.65	557	<1	0.02	22	660	21	0.03	<2	4	24
CC90789		<10	<1	0.25	20	2.56	578	<1	0.03	22	700	21	0.01	<2	4	62
CC90790		<10	<1	0.21	20	0.86	715	<1	0.01	24	830	23	0.05	<2	4	27
CC90791		<10	<1	0.25	20	1.18	626	<1	0.02	19	640	23	0.04	<2	3	29
CC90792		<10	<1	0.32	20	0.77	550	<1	0.02	18	730	20	0.05	<2	3	26
CC90793		10	1	0.11	20	2.88	885	<1	0.02	159	1210	15	0.06	<2	5	76
CC90794		10	1	0.08	20	3.60	768	<1	0.02	170	1170	8	0.03	<2	8	55
CC90795		10	1	0.10	10	2.71	662	<1	0.02	119	1160	16	0.07	<2	5	91
CC90796		10	<1	0.08	10	3.19	644	<1	0.02	182	960	12	0.03	<2	4	61
CC90797		10	1	0.14	10	3.70	712	<1	0.02	222	770	29	0.02	<2	4	46
CC90798		10	1	0.10	10	2.47	499	<1	0.02	153	230	31	<0.01	<2	5	21
CC90799		10	<1	0.09	20	1.78	921	1	0.02	93	980	35	0.06	<2	3	112
CC90800		10	<1	0.13	10	1.40	642	<1	0.02	87	840	18	0.09	<2	5	129
CC90801		10	1	0.18	30	2.19	700	<1	0.02	147	1840	11	0.04	<2	5	121
CC90802		<10	<1	0.13	10	0.89	575	<1	0.02	94	1160	10	0.13	<2	2	158
CC90821		<10	<1	0.24	20	1.87	672	1	0.02	37	1130	34	0.03	3	3	27
CC90822		10	1	0.17	10	1.65	823	<1	0.02	41	1130	36	0.08	<2	3	29
CC90823		<10	<1	0.19	10	1.09	862	<1	0.02	29	1030	33	0.09	3	2	42
CC90824		<10	<1	0.19	10	0.80	654	<1	0.03	23	1230	59	0.10	2	3	31
CC90825		<10	<1	0.32	20	0.63	212	1	0.01	23	870	17	0.04	<2	2	31
CC90826		<10	<1	0.21	20	4.75	1200	<1	0.02	24	810	43	0.01	5	3	89
CC90827		<10	<1	0.39	20	2.66	882	4	0.02	51	1180	23	0.08	<2	5	177
CC90828		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC90829		<10	<1	0.26	10	2.06	1660	1	0.02	26	980	35	0.08	6	2	51
CC90830		<10	<1	0.32	20	0.31	236	1	0.02	15	600	24	0.06	2	2	30
CC90831		<10	<1	0.28	20	0.34	383	2	0.01	25	690	40	0.05	6	2	30
CC90832		<10	<1	0.31	20	0.45	495	2	0.02	32	700	39	0.07	4	2	41
CC90833		<10	<1	0.26	20	0.34	675	1	0.01	22	570	42	0.02	<2	3	15
CC90834		<10	<1	0.32	20	0.28	584	1	0.02	23	830	35	0.06	3	2	29
CC90835		<10	<1	0.21	10	0.54	962	<1	0.02	20	680	67	0.06	<2	3	27
CC90836		<10	<1	0.18	20	0.46	1025	<1	0.01	21	540	85	0.03	<2	4	18
CC90837		<10	1	0.21	10	0.48	805	1	0.02	23	650	57	0.06	<2	3	27
CC90838		<10	<1	0.22	10	0.41	977	<1	0.02	20	780	45	0.09	<2	2	34
CC90839		<10	1	0.25	10	0.33	521	1	0.02	17	680	40	0.06	<2	3	27
CC90840		<10	<1	0.23	10	0.44	668	<1	0.02	21	580	17	0.03	<2	4	23
CC90841		<10	<1	0.20	10	1.06	667	<1	0.02	21	610	14	0.02	<2	3	43
CC90842		<10	1	0.15	10	0.33	337	<1	0.01	8	530	6	0.07	<2	2	47
CC90843		<10	<1	0.17	20	2.74	505	<1	0.01	24	600	19	<0.01	<2	4	99
CC90844		<10	<1	0.22	20	0.23	425	2	0.01	23	580	46	0.03	<2	3	21
CC90845		<10	<1	0.23	10	1.38	537	<1	0.02	23	700	25	0.10	<2	3	40

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1016-510 W HASTINGS ST
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Project: RAU

CERTIFICATE OF ANALYSIS VA10091017

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC90788		<20	0.03	<10	<10	50	<10	103
CC90789		<20	0.04	<10	<10	44	<10	92
CC90790		<20	0.01	<10	<10	28	<10	96
CC90791		<20	0.01	<10	<10	34	<10	86
CC90792		<20	0.01	<10	<10	28	<10	89
CC90793		<20	0.13	<10	<10	82	<10	96
CC90794		<20	0.28	<10	<10	115	<10	96
CC90795		<20	0.13	<10	<10	87	<10	81
CC90796		<20	0.25	<10	<10	74	<10	104
CC90797		<20	0.23	<10	<10	83	<10	155
CC90798		<20	0.25	<10	<10	106	<10	128
CC90799		<20	0.18	<10	<10	85	<10	115
CC90800		<20	0.10	<10	<10	68	<10	94
CC90801		<20	0.27	<10	<10	78	<10	94
CC90802		<20	0.09	<10	<10	45	<10	83
CC90821		<20	0.02	<10	<10	31	<10	115
CC90822		<20	0.03	<10	<10	42	<10	166
CC90823		<20	0.02	<10	<10	30	<10	150
CC90824		<20	0.02	<10	<10	37	<10	150
CC90825		<20	0.02	<10	<10	23	<10	75
CC90826		<20	0.02	<10	<10	22	<10	232
CC90827		<20	<0.01	<10	<10	19	<10	164
CC90828		NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC90829		<20	0.01	<10	<10	35	<10	130
CC90830		<20	0.01	<10	<10	21	<10	50
CC90831		<20	<0.01	<10	<10	20	<10	90
CC90832		<20	<0.01	<10	<10	21	<10	139
CC90833		<20	0.01	<10	<10	18	<10	131
CC90834		<20	0.01	<10	<10	24	<10	127
CC90835		<20	0.01	<10	<10	19	<10	141
CC90836		<20	0.01	<10	<10	27	<10	128
CC90837		<20	0.01	<10	<10	20	<10	117
CC90838		<20	0.01	<10	<10	17	<10	103
CC90839		<20	0.01	<10	<10	19	<10	128
CC90840		<20	0.01	<10	<10	19	<10	112
CC90841		<20	0.01	<10	<10	14	<10	76
CC90842		<20	0.01	<10	<10	14	<10	59
CC90843		<20	0.01	<10	<10	12	<10	144
CC90844		<20	0.01	<10	<10	21	<10	75
CC90845		<20	0.01	<10	<10	19	<10	84

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10091017

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC90846		0.28	<0.001	<0.2	1.05	14	<10	100	0.6	<2	1.50	<0.5	13	14	28	3.72
CC90847		0.20	<0.001	0.2	1.10	10	<10	90	0.5	<2	1.90	<0.5	10	14	27	3.04
CC90848		0.30	<0.001	0.2	1.48	10	<10	120	0.6	<2	1.58	<0.5	14	20	35	3.74
CC90849		0.34	0.003	0.2	1.30	15	<10	130	0.6	<2	2.56	<0.5	12	19	36	3.37
CC90850		0.14	0.004	0.2	1.37	17	<10	220	0.6	<2	1.23	<0.5	10	23	29	2.89
CC90851		0.24	0.003	<0.2	0.95	34	<10	140	0.5	<2	1.99	<0.5	12	15	32	3.28
CC90852		0.14	0.002	0.2	1.22	27	<10	190	0.5	<2	1.19	<0.5	10	20	26	3.23
CC90853		0.28	0.001	<0.2	1.44	12	<10	200	0.6	<2	0.83	<0.5	10	24	25	3.06
CC90854		0.20	0.001	<0.2	1.51	11	<10	250	0.5	<2	1.13	0.5	10	24	22	2.81
CC90855		0.22	0.013	0.3	1.38	25	<10	220	0.6	<2	0.75	<0.5	11	23	25	3.28
CC90856		0.20	0.001	<0.2	1.50	12	<10	260	0.6	<2	1.02	<0.5	11	25	26	2.94
CC90857		0.36	0.004	<0.2	1.26	14	<10	200	0.5	<2	1.87	0.5	11	22	31	2.83
CC90858		0.20	0.001	0.2	1.27	10	<10	200	0.5	<2	1.18	<0.5	9	22	24	2.64
CC90871		0.12	0.003	0.3	1.04	15	<10	190	<0.5	<2	2.78	0.5	10	19	40	2.61
CC90872		0.18	0.001	0.8	1.15	138	<10	100	0.6	<2	2.63	<0.5	12	22	29	3.10
CC90873		0.14	0.001	0.2	1.35	15	<10	190	0.5	<2	1.51	<0.5	11	28	31	3.07
CC90874		0.16	0.001	0.4	1.57	11	<10	250	0.7	<2	1.54	1.1	11	29	33	3.06
CC90875		0.28	0.001	0.2	1.92	15	<10	200	0.6	<2	2.29	0.8	15	43	49	3.55
CC90876		0.28	0.004	0.5	1.70	12	<10	200	0.6	<2	1.47	<0.5	15	46	52	3.51
CC90877		0.24	0.002	0.5	1.92	13	<10	240	0.8	<2	0.77	<0.5	15	38	34	3.68
CC90878		0.20	0.001	0.3	1.67	14	<10	310	0.6	<2	1.36	<0.5	12	33	32	3.12
CC90879		0.20	0.015	0.4	1.92	15	<10	260	0.7	<2	1.00	<0.5	14	37	30	3.64
CC90880		0.18	0.001	0.3	1.95	15	<10	220	0.8	<2	1.08	<0.5	16	43	38	3.81
CC90881		0.20	0.001	0.4	1.77	15	<10	220	0.7	<2	1.54	<0.5	14	38	40	3.49
CC90882		0.12	0.001	0.4	1.79	9	<10	270	<0.5	<2	3.08	<0.5	17	198	63	2.60
CC90883		0.18	<0.001	0.3	1.53	15	<10	150	0.6	<2	1.77	0.5	12	36	144	3.48
CC90884		0.20	0.003	0.2	2.07	13	<10	170	0.7	<2	1.52	<0.5	15	47	35	3.97
CC90885		0.22	0.001	0.2	1.65	12	<10	210	0.5	<2	0.60	<0.5	13	42	40	3.36
CC90886		0.26	<0.001	<0.2	2.21	11	<10	270	0.5	<2	0.50	<0.5	13	51	27	3.60
CC90887		0.22	<0.001	0.2	2.55	15	<10	200	0.8	<2	0.17	<0.5	13	43	17	3.80
CC90888		0.16	<0.001	<0.2	2.79	6	<10	260	0.5	<2	0.85	<0.5	34	93	88	4.44
CC90889		0.18	0.001	<0.2	2.96	8	<10	190	<0.5	<2	0.71	<0.5	56	193	106	6.96
CC90890		0.12	<0.001	<0.2	3.86	3	<10	180	0.5	<2	1.44	<0.5	37	143	39	6.43
CC90891		0.14	<0.001	<0.2	3.51	5	<10	170	<0.5	<2	2.54	<0.5	35	137	66	5.66
CC90892		0.12	0.002	<0.2	2.06	5	<10	150	<0.5	<2	2.30	<0.5	24	82	63	3.71
CC90893		0.14	<0.001	<0.2	2.79	7	<10	180	<0.5	<2	2.08	<0.5	33	107	61	5.66
CC90894		0.12	0.005	<0.2	2.53	4	<10	180	<0.5	<2	2.19	<0.5	21	66	37	5.10
CC90895		0.22	<0.001	<0.2	3.30	6	<10	210	0.5	2	3.68	<0.5	36	62	49	5.92
CC90896		0.14	0.001	<0.2	3.14	6	<10	200	0.6	<2	2.15	<0.5	39	271	81	5.28
CC90897		0.18	<0.001	<0.2	2.63	6	<10	230	0.5	<2	1.64	<0.5	29	164	54	4.80

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Project: RAU

Finalized Date: 16-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10091017

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC90846		<10	<1	0.20	10	0.80	612	<1	0.01	22	570	26	0.12	<2	3	29
CC90847		<10	<1	0.19	10	0.76	491	<1	0.01	18	540	19	0.13	<2	2	34
CC90848		<10	<1	0.22	20	1.28	811	<1	0.02	27	450	33	0.05	<2	4	22
CC90849		<10	<1	0.20	20	1.73	457	<1	0.02	26	610	24	0.02	<2	4	37
CC90850		<10	1	0.17	20	0.51	498	<1	0.03	25	690	21	0.06	<2	4	34
CC90851		<10	<1	0.20	20	0.85	602	<1	0.02	25	690	21	0.10	<2	3	33
CC90852		<10	<1	0.22	10	0.45	581	<1	0.03	21	750	20	0.10	<2	4	30
CC90853		<10	<1	0.16	20	0.55	547	<1	0.02	24	730	23	0.09	<2	3	25
CC90854		<10	1	0.16	20	0.50	700	<1	0.03	22	980	22	0.19	<2	3	31
CC90855		<10	<1	0.18	20	0.48	713	<1	0.02	22	750	102	0.06	4	3	22
CC90856		<10	<1	0.18	20	0.58	669	<1	0.03	25	810	20	0.04	<2	4	28
CC90857		<10	1	0.09	20	1.19	624	<1	0.02	26	860	22	0.03	<2	3	30
CC90858		<10	<1	0.09	10	0.56	489	<1	0.02	21	930	20	0.05	<2	3	25
CC90871		<10	1	0.08	10	0.99	629	<1	0.02	26	1270	20	0.05	<2	2	39
CC90872		<10	<1	0.08	20	1.04	674	1	0.01	37	1380	57	0.03	36	3	26
CC90873		<10	1	0.12	20	0.74	576	<1	0.01	30	1400	27	0.02	<2	3	30
CC90874		<10	1	0.07	20	0.65	969	<1	0.01	28	1450	29	0.04	<2	3	26
CC90875		10	<1	0.10	20	1.73	556	2	0.02	46	930	29	<0.01	<2	5	36
CC90876		<10	1	0.09	20	1.47	874	1	0.01	47	1040	26	0.01	<2	5	29
CC90877		10	1	0.08	20	1.01	714	1	0.01	36	1040	24	0.03	<2	6	24
CC90878		<10	1	0.11	20	0.86	527	1	0.02	31	1070	24	0.03	<2	4	27
CC90879		10	<1	0.11	20	1.02	649	1	0.01	36	1460	29	0.02	<2	5	28
CC90880		10	1	0.11	20	1.27	777	1	0.01	46	1160	29	0.01	<2	6	24
CC90881		<10	<1	0.11	20	1.36	749	1	0.02	40	1170	29	0.01	<2	5	25
CC90882		<10	1	0.05	10	1.40	488	<1	0.02	59	1090	9	0.11	<2	2	47
CC90883		<10	1	0.16	20	1.34	567	1	0.01	37	1270	30	0.02	<2	4	28
CC90884		10	1	0.13	20	1.55	823	<1	0.02	37	1290	29	0.01	<2	6	33
CC90885		<10	<1	0.12	20	0.74	608	1	0.01	37	1720	21	0.03	3	4	27
CC90886		10	<1	0.08	10	0.73	577	1	<0.01	34	530	27	0.03	4	3	18
CC90887		10	<1	0.08	10	0.57	370	<1	<0.01	32	480	23	0.02	3	4	14
CC90888		10	<1	0.10	10	1.23	1115	1	<0.01	113	1130	28	0.05	<2	3	37
CC90889		10	<1	0.11	20	2.27	687	1	0.01	210	1580	14	0.09	5	8	43
CC90890		10	<1	0.09	10	3.13	1050	<1	0.01	96	1880	24	0.06	3	8	48
CC90891		10	<1	0.09	10	3.03	951	<1	0.01	99	1760	11	0.09	7	8	80
CC90892		10	<1	0.07	10	1.43	887	<1	0.01	84	1050	22	0.12	2	4	73
CC90893		10	<1	0.12	20	2.13	938	<1	<0.01	96	1740	13	0.09	6	6	70
CC90894		10	<1	0.16	10	1.35	503	<1	<0.01	38	1330	10	0.10	2	5	65
CC90895		10	<1	0.26	10	2.93	697	<1	0.01	57	2150	11	0.03	<2	7	123
CC90896		10	<1	0.11	10	2.56	1300	<1	<0.01	157	1280	10	0.10	6	9	51
CC90897		10	<1	0.12	10	1.85	768	<1	<0.01	100	1190	9	0.10	<2	6	45

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 16-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10091017

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC90846		<20	0.01	<10	<10	23	<10	73
CC90847		<20	0.01	<10	<10	20	<10	60
CC90848		<20	0.02	<10	<10	31	<10	87
CC90849		<20	0.02	<10	<10	33	<10	83
CC90850		<20	0.03	<10	<10	42	<10	88
CC90851		<20	0.02	<10	<10	27	<10	84
CC90852		<20	0.02	<10	<10	36	<10	93
CC90853		<20	0.02	<10	<10	42	<10	99
CC90854		<20	0.03	<10	<10	46	<10	100
CC90855		<20	0.02	<10	<10	41	<10	133
CC90856		<20	0.03	<10	<10	47	<10	101
CC90857		<20	0.03	<10	<10	41	<10	99
CC90858		<20	0.03	<10	<10	40	<10	100
CC90871		<20	0.03	<10	<10	34	<10	92
CC90872		<20	0.02	<10	<10	34	<10	123
CC90873		<20	0.03	<10	<10	44	<10	110
CC90874		<20	0.02	<10	<10	51	<10	139
CC90875		<20	0.09	<10	<10	69	<10	132
CC90876		<20	0.08	<10	<10	56	<10	106
CC90877		<20	0.08	<10	<10	63	<10	131
CC90878		<20	0.04	<10	<10	54	<10	104
CC90879		<20	0.08	<10	<10	64	<10	102
CC90880		<20	0.08	<10	<10	66	<10	116
CC90881		<20	0.07	<10	<10	59	<10	96
CC90882		<20	0.03	<10	<10	45	<10	48
CC90883		<20	0.04	<10	<10	49	<10	112
CC90884		<20	0.13	<10	<10	69	<10	111
CC90885		<20	0.08	<10	<10	59	<10	95
CC90886		<20	0.05	<10	<10	80	<10	111
CC90887		<20	0.06	<10	<10	73	<10	101
CC90888		<20	0.10	<10	<10	73	<10	81
CC90889		<20	0.33	<10	<10	110	<10	115
CC90890		<20	0.15	<10	<10	117	<10	157
CC90891		<20	0.12	<10	<10	116	<10	118
CC90892		<20	0.06	<10	<10	60	<10	115
CC90893		<20	0.07	<10	<10	88	<10	112
CC90894		<20	0.03	<10	<10	60	<10	83
CC90895		<20	0.18	<10	<10	134	<10	110
CC90896		<20	0.25	<10	<10	126	<10	112
CC90897		<20	0.16	<10	<10	91	<10	107

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10091017

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC92143		0.20	0.001	0.2	2.38	17	<10	280	0.6	<2	1.78	<0.5	26	108	63	4.62
CC92144		0.10	0.020	<0.2	0.53	25	<10	150	<0.5	<2	3.16	<0.5	4	14	22	1.07
CC92145		0.40	0.006	0.2	2.27	21	<10	210	0.5	<2	2.52	<0.5	27	93	78	4.08
CC92146		0.32	0.106	<0.2	2.02	147	<10	250	0.6	<2	0.76	<0.5	42	72	54	4.62
CC92147		0.24	0.001	<0.2	2.87	26	<10	180	0.8	<2	0.40	<0.5	22	92	40	4.40
CC92148		0.12	<0.001	<0.2	2.33	62	<10	120	<0.5	<2	1.76	<0.5	31	144	85	4.28
CC92149		0.08	NSS	<0.2	0.69	10	<10	140	<0.5	<2	4.13	<0.5	9	39	41	1.31
CC92150		0.12	0.005	<0.2	1.41	33	<10	210	<0.5	<2	1.92	<0.5	14	49	41	2.44
CC92151		0.10	NSS	<0.2	0.93	31	<10	140	<0.5	<2	3.27	<0.5	13	41	79	1.77
CC92152		0.16	<0.001	<0.2	2.67	60	<10	120	0.5	<2	0.97	<0.5	46	204	88	4.85
CC92153		0.12	NSS	0.2	1.48	57	<10	190	<0.5	<2	2.97	<0.5	21	68	109	2.74
CC92154		0.16	0.004	<0.2	2.09	30	<10	200	0.5	<2	2.24	<0.5	25	104	92	3.85
CC92155		0.28	0.001	<0.2	2.37	39	<10	230	0.8	<2	0.55	<0.5	15	61	48	3.69
CC92156		0.20	<0.001	<0.2	3.70	34	<10	160	0.9	<2	4.47	<0.5	34	177	63	5.77
CC92157		0.14	0.004	<0.2	1.72	29	<10	200	0.5	<2	3.60	<0.5	23	70	76	3.22
CC92158		0.16	<0.001	<0.2	2.38	39	<10	160	0.6	<2	3.12	<0.5	30	101	89	4.16
CC92159		0.14	0.137	1.4	1.20	1640	<10	400	0.6	<2	1.00	3.1	56	40	113	9.15
CC92160		0.12	<0.001	<0.2	3.01	52	<10	190	0.6	<2	0.48	0.5	35	118	61	6.29
CC92161		0.14	0.004	<0.2	1.60	30	<10	160	0.5	<2	1.99	<0.5	16	41	49	3.14
CC92162		0.12	0.002	0.2	1.39	72	<10	190	<0.5	<2	3.52	<0.5	32	57	76	3.59
CC92163		0.22	0.010	0.3	1.20	94	<10	190	<0.5	<2	3.37	<0.5	33	40	118	3.60
CC92164		0.16	0.006	0.2	1.23	58	<10	240	<0.5	<2	3.35	<0.5	30	38	97	2.93
CC92165		0.16	0.004	<0.2	1.62	13	<10	190	<0.5	<2	4.26	<0.5	20	75	35	2.99
CC92166		0.10	0.001	<0.2	2.66	28	<10	200	<0.5	<2	2.56	<0.5	34	105	52	5.00
CC92167		0.16	<0.001	<0.2	1.50	39	<10	240	<0.5	<2	3.35	<0.5	31	78	81	3.14
CC92168		0.16	<0.001	0.2	3.45	<2	<10	120	<0.5	<2	1.42	<0.5	43	291	94	4.74
CC92169		0.18	0.001	<0.2	2.37	<2	<10	150	<0.5	<2	2.64	<0.5	28	150	72	3.73
CC92170		0.08	0.003	<0.2	2.08	<2	<10	160	<0.5	<2	3.28	<0.5	25	108	46	3.55
CC92171		0.14	<0.001	<0.2	2.79	4	<10	150	<0.5	<2	2.30	<0.5	29	141	54	4.60
CC92172		0.16	<0.001	<0.2	3.20	<2	<10	150	0.6	<2	1.98	<0.5	36	198	55	5.49
CC92173		0.12	NSS	<0.2	2.59	2	<10	180	0.6	<2	2.35	<0.5	28	146	54	4.66
CC92174		0.20	<0.001	<0.2	3.10	7	<10	190	0.7	<2	2.89	<0.5	34	194	85	5.41
CC92175		0.24	<0.001	<0.2	3.35	6	<10	160	0.7	<2	2.53	<0.5	39	221	83	5.83
CC92176		0.20	<0.001	<0.2	3.46	4	<10	140	0.6	<2	2.18	<0.5	36	200	69	5.91
CC92177		0.18	0.001	<0.2	3.22	7	<10	140	0.7	<2	2.89	<0.5	38	201	78	5.47
CC92178		0.12	0.047	<0.2	2.31	5	<10	200	0.5	<2	3.28	<0.5	31	118	84	3.94
CC92179		0.16	0.002	0.2	2.60	9	<10	200	0.6	<2	3.62	<0.5	36	152	113	4.38
CC92180		0.10	0.001	<0.2	1.82	4	<10	230	<0.5	<2	4.52	<0.5	22	99	97	3.01
CC92181		0.12	0.002	<0.2	2.04	3	<10	200	<0.5	<2	3.96	<0.5	24	106	80	3.28
CC92182		0.12	<0.001	<0.2	2.45	2	<10	190	<0.5	<2	2.96	<0.5	29	143	86	3.99

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Project: RAU

CERTIFICATE OF ANALYSIS VA10091017

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC92143		10	<1	0.14	20	1.94	876	1	<0.01	85	1600	21	0.07	3	6	43
CC92144		<10	1	0.04	<10	0.50	172	<1	0.01	18	920	8	0.23	4	1	110
CC92145		10	<1	0.11	10	1.54	774	<1	0.01	102	1850	13	0.03	4	4	86
CC92146		10	<1	0.08	20	1.07	488	1	<0.01	105	1010	24	0.04	4	7	29
CC92147		10	<1	0.06	20	1.12	508	1	<0.01	67	280	24	0.03	6	7	16
CC92148		<10	<1	0.08	10	1.67	590	<1	0.03	143	2050	3	0.11	3	2	71
CC92149		<10	1	0.03	<10	0.44	575	<1	0.02	40	980	3	0.23	3	1	118
CC92150		<10	<1	0.06	10	0.65	733	<1	0.02	43	1060	13	0.25	2	3	70
CC92151		<10	<1	0.04	<10	0.50	418	<1	0.02	61	810	6	0.34	2	2	95
CC92152		10	<1	0.06	10	1.53	932	<1	0.01	210	1020	8	0.29	2	4	41
CC92153		<10	<1	0.06	10	0.81	802	<1	0.01	83	1050	10	0.31	3	3	87
CC92154		10	<1	0.07	10	1.49	735	<1	0.01	103	1390	11	0.12	2	4	68
CC92155		10	<1	0.07	20	0.93	563	<1	0.01	57	300	19	0.03	3	8	28
CC92156		10	<1	0.12	10	3.37	1040	<1	<0.01	152	1840	5	0.06	4	10	149
CC92157		<10	<1	0.05	10	1.27	877	<1	<0.01	98	910	15	0.08	<2	4	121
CC92158		10	<1	0.04	10	1.91	993	<1	0.01	118	1100	9	0.05	<2	6	94
CC92159		<10	1	0.08	10	0.35	1400	4	0.01	203	900	531	<0.01	22	12	80
CC92160		10	<1	0.06	10	1.39	430	1	0.01	107	400	12	<0.01	<2	8	31
CC92161		<10	<1	0.05	10	0.64	437	<1	<0.01	47	610	18	0.03	<2	4	80
CC92162		<10	<1	0.06	10	0.97	948	<1	<0.01	109	1130	24	0.07	<2	4	124
CC92163		<10	<1	0.05	10	0.72	820	<1	<0.01	106	900	19	0.06	<2	5	94
CC92164		<10	<1	0.05	10	0.75	728	<1	<0.01	93	870	13	0.09	<2	3	92
CC92165		<10	1	0.04	<10	1.34	521	<1	<0.01	74	760	5	0.14	<2	3	113
CC92166		10	<1	0.07	10	2.09	941	<1	0.01	94	570	7	0.07	<2	7	89
CC92167		<10	<1	0.06	10	1.08	753	<1	<0.01	129	1000	12	0.11	<2	4	99
CC92168		10	<1	0.05	10	4.35	670	<1	<0.01	331	530	4	0.05	<2	3	75
CC92169		10	<1	0.06	10	2.44	736	<1	<0.01	161	880	10	0.20	<2	3	91
CC92170		10	<1	0.04	10	1.96	786	<1	0.01	103	1010	9	0.23	<2	3	120
CC92171		10	1	0.06	10	2.63	767	<1	<0.01	117	1240	9	0.12	<2	5	89
CC92172		10	<1	0.07	20	3.30	908	<1	<0.01	164	1540	7	0.07	<2	6	78
CC92173		10	<1	0.13	10	2.28	822	<1	0.01	116	1090	6	0.07	<2	6	83
CC92174		10	<1	0.06	10	2.62	878	2	<0.01	137	1090	6	0.04	<2	6	87
CC92175		10	<1	0.05	10	3.01	1030	<1	<0.01	164	1330	6	0.03	<2	7	84
CC92176		10	<1	0.05	10	3.34	852	<1	<0.01	136	1470	5	0.02	<2	7	75
CC92177		10	<1	0.05	10	2.86	1000	<1	<0.01	139	1390	10	0.05	<2	7	86
CC92178		10	1	0.04	10	1.84	1240	<1	<0.01	116	1100	14	0.09	<2	4	107
CC92179		10	<1	0.05	10	1.91	1020	<1	<0.01	141	1040	12	0.07	<2	5	85
CC92180		<10	<1	0.04	10	1.42	851	<1	<0.01	104	1000	15	0.13	<2	2	109
CC92181		10	<1	0.05	10	1.57	642	<1	<0.01	102	720	15	0.16	<2	3	130
CC92182		10	1	0.07	10	2.15	765	<1	<0.01	151	1130	12	0.06	<2	3	77

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Account: RCM

CERTIFICATE OF ANALYSIS VA10091017

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC92143		<20	0.11	<10	<10	78	<10	123
CC92144		<20	0.01	<10	<10	14	<10	27
CC92145		<20	0.21	<10	<10	61	<10	91
CC92146		<20	0.08	<10	<10	69	<10	129
CC92147		<20	0.15	<10	<10	98	<10	89
CC92148		<20	0.21	<10	<10	62	<10	64
CC92149		<20	0.06	<10	<10	28	<10	73
CC92150		<20	0.05	<10	<10	47	<10	48
CC92151		<20	0.04	<10	<10	29	<10	34
CC92152		<20	0.37	<10	<10	90	<10	74
CC92153		<20	0.05	<10	<10	48	<10	54
CC92154		<20	0.13	<10	<10	67	<10	95
CC92155		<20	0.06	<10	<10	75	<10	77
CC92156		<20	0.19	<10	<10	116	<10	104
CC92157		<20	0.05	<10	<10	55	<10	61
CC92158		<20	0.05	<10	<10	69	<10	81
CC92159		<20	0.01	<10	<10	129	<10	716
CC92160		<20	0.03	<10	<10	105	<10	95
CC92161		<20	0.03	<10	<10	51	<10	56
CC92162		<20	0.01	<10	<10	38	<10	82
CC92163		<20	0.02	<10	<10	35	<10	72
CC92164		<20	0.02	<10	<10	34	<10	63
CC92165		<20	0.04	<10	<10	46	<10	52
CC92166		<20	0.11	<10	<10	82	<10	77
CC92167		<20	0.04	<10	<10	47	<10	78
CC92168		<20	0.09	<10	<10	68	<10	73
CC92169		<20	0.08	<10	<10	60	<10	72
CC92170		<20	0.08	<10	<10	63	<10	71
CC92171		<20	0.14	<10	<10	83	<10	87
CC92172		<20	0.17	<10	<10	97	<10	106
CC92173		<20	0.16	<10	<10	85	<10	82
CC92174		<20	0.13	<10	<10	101	<10	98
CC92175		<20	0.13	<10	<10	120	<10	100
CC92176		<20	0.17	<10	<10	112	<10	103
CC92177		<20	0.12	<10	<10	108	<10	102
CC92178		<20	0.06	<10	<10	70	<10	74
CC92179		<20	0.07	<10	<10	77	<10	79
CC92180		<20	0.05	<10	<10	48	<10	53
CC92181		<20	0.05	<10	<10	50	<10	65
CC92182		<20	0.06	<10	<10	61	<10	88

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10091017

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC92183		0.14	0.001	<0.2	2.63	<2	<10	220	<0.5	<2	2.62	<0.5	32	161	73	4.09
CC92184		0.24	<0.001	<0.2	2.49	2	<10	160	<0.5	<2	1.91	<0.5	29	151	60	4.04
CC92185		0.16	0.012	0.2	2.50	4	<10	180	<0.5	<2	2.21	<0.5	29	146	54	4.08
CC92186		0.16	<0.001	<0.2	2.66	<2	<10	140	<0.5	<2	1.63	<0.5	26	145	56	4.31
CC92187		0.14	0.001	<0.2	2.81	7	<10	240	0.6	<2	2.65	<0.5	34	133	139	4.61
CC92188		0.14	0.002	<0.2	2.26	4	<10	240	<0.5	<2	3.04	<0.5	25	119	73	3.71
CC92189		0.26	<0.001	<0.2	2.98	4	<10	150	<0.5	<2	1.83	<0.5	36	181	81	5.18
CC92190		0.14	0.001	<0.2	2.30	3	<10	210	<0.5	<2	2.47	<0.5	26	140	64	3.75
CC92191		0.08	NSS	<0.2	0.77	<2	<10	170	<0.5	<2	4.57	<0.5	12	42	64	1.40
CC92192		0.18	0.004	<0.2	2.48	5	<10	230	<0.5	<2	2.54	<0.5	28	136	81	4.01
CC92193		0.24	<0.001	<0.2	4.82	20	<10	120	0.5	<2	2.24	<0.5	54	161	79	8.57
CC92194		0.16	0.004	<0.2	2.37	22	<10	210	<0.5	<2	3.75	<0.5	39	123	133	4.14
CC92195		0.14	0.002	<0.2	2.42	32	<10	240	<0.5	<2	4.02	0.5	38	117	100	4.26
CC92196		0.14	0.005	<0.2	2.28	71	<10	250	<0.5	<2	2.57	<0.5	49	190	98	4.57
CC92197		0.20	0.004	<0.2	2.16	74	<10	170	<0.5	<2	4.43	<0.5	33	113	88	4.94
CC92198		0.26	0.005	<0.2	2.45	31	<10	240	0.5	<2	3.87	<0.5	38	175	97	4.64
CC92199		0.20	0.002	<0.2	2.88	49	<10	350	<0.5	<2	3.13	<0.5	49	214	67	6.48
CC92200		0.16	0.002	<0.2	2.80	17	<10	860	0.5	<2	1.62	<0.5	42	325	67	5.33
CC92201		0.12	0.004	<0.2	2.80	34	<10	510	<0.5	<2	2.22	<0.5	45	298	69	5.22
CC92202		0.10	0.003	<0.2	3.96	20	<10	370	0.6	<2	3.51	<0.5	46	338	117	6.26
CC92203		0.16	<0.001	<0.2	3.53	19	<10	650	0.5	<2	3.35	<0.5	45	368	97	6.03
CC92204		0.16	0.002	<0.2	2.55	19	<10	230	0.5	<2	3.20	<0.5	30	180	126	4.61
CC92205		0.18	0.004	<0.2	1.85	33	<10	250	0.5	<2	2.10	<0.5	23	104	74	3.49
CC92206		0.20	0.013	<0.2	2.84	84	<10	240	<0.5	<2	4.97	<0.5	39	192	76	6.60
CC92207		0.16	0.005	0.3	1.58	18	<10	210	0.5	<2	2.80	<0.5	18	59	46	3.26
CC92208		0.12	0.001	<0.2	3.58	58	<10	290	0.7	<2	2.59	<0.5	49	89	84	7.78
CC92209		0.08	<0.001	<0.2	0.14	6	<10	510	<0.5	<2	5.21	<0.5	10	3	12	1.20
CC92210		0.12	<0.001	0.5	1.44	9	<10	180	<0.5	<2	0.57	1.3	15	47	37	2.61
CC92211		0.12	<0.001	<0.2	4.53	7	<10	120	1.2	<2	4.49	<0.5	41	236	60	7.08
CC92212		0.20	0.002	<0.2	4.46	21	<10	180	0.9	<2	2.59	<0.5	48	271	62	8.06
CC92213		0.16	<0.001	<0.2	4.58	27	<10	430	1.1	<2	1.09	<0.5	48	268	105	8.06
CC92214		0.16	<0.001	<0.2	4.33	10	<10	400	1.0	<2	0.87	0.6	46	256	89	8.14
CC92215		0.10	0.002	<0.2	2.89	11	<10	650	0.7	<2	1.82	<0.5	30	172	52	5.82
CC92216		0.12	0.001	<0.2	2.98	26	<10	360	0.7	<2	2.07	0.5	35	208	140	5.82
CC92217		0.20	0.008	0.2	1.49	3	<10	180	<0.5	<2	3.32	0.6	26	58	302	2.45
CC92218		0.18	<0.001	<0.2	3.31	6	<10	190	<0.5	<2	1.14	0.5	38	231	99	5.61
CC92219		0.16	0.003	<0.2	3.19	26	<10	280	0.7	<2	1.92	<0.5	36	224	85	6.04
CC92220		0.20	0.002	0.2	1.34	5	<10	150	<0.5	<2	2.30	0.5	18	53	311	2.60
CC92221		0.16	<0.001	<0.2	1.94	6	<10	150	<0.5	<2	0.25	<0.5	17	85	28	3.92
CC92222		0.10	0.001	<0.2	3.14	33	<10	320	0.7	<2	1.75	<0.5	37	216	85	6.10

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Project: RAU

CERTIFICATE OF ANALYSIS VA10091017

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC92183		10	<1	0.06	10	2.45	890	<1	<0.01	166	940	14	0.05	<2	3	73
CC92184		10	<1	0.05	10	2.39	720	<1	<0.01	150	1050	13	0.03	<2	3	56
CC92185		10	<1	0.05	10	2.32	667	<1	<0.01	142	950	12	0.01	<2	3	59
CC92186		10	1	0.05	10	2.41	444	<1	<0.01	131	910	14	<0.01	<2	4	51
CC92187		10	<1	0.06	10	2.01	957	<1	0.01	148	1130	22	0.07	<2	5	77
CC92188		10	<1	0.06	10	1.97	555	<1	<0.01	128	860	15	0.07	<2	3	78
CC92189		10	<1	0.07	10	3.07	827	<1	<0.01	188	1400	16	0.01	<2	5	49
CC92190		10	1	0.05	10	2.16	593	<1	<0.01	152	910	12	0.14	<2	3	62
CC92191		<10	<1	0.03	<10	0.78	318	<1	<0.01	78	750	7	0.12	<2	1	104
CC92192		10	<1	0.05	10	2.05	656	<1	<0.01	146	910	16	0.07	<2	4	70
CC92193		20	1	0.25	20	4.18	865	1	0.02	203	2920	9	0.03	<2	11	92
CC92194		10	1	0.07	10	1.90	1160	<1	0.02	174	2010	9	0.11	<2	5	106
CC92195		10	1	0.05	10	1.82	796	<1	0.03	160	1430	9	0.12	<2	5	112
CC92196		10	<1	0.05	10	1.84	747	<1	0.02	243	1320	8	0.09	<2	6	80
CC92197		10	1	0.10	20	1.82	691	1	0.02	155	2120	17	0.02	<2	7	84
CC92198		10	<1	0.10	20	1.98	530	<1	0.02	205	1500	13	0.04	<2	7	66
CC92199		10	1	0.09	20	2.21	961	1	0.03	307	2890	10	0.04	<2	7	79
CC92200		10	1	0.05	10	2.98	730	<1	0.04	348	1450	9	0.06	<2	9	57
CC92201		10	1	0.05	10	2.76	937	<1	0.03	315	1620	8	0.09	<2	10	73
CC92202		10	1	0.05	20	4.28	859	<1	0.03	300	1900	10	0.05	<2	15	86
CC92203		10	1	0.06	10	4.12	981	<1	0.04	249	2230	8	0.05	<2	16	96
CC92204		10	<1	0.07	10	2.97	828	1	0.03	179	1550	18	0.02	<2	11	59
CC92205		10	1	0.06	10	1.34	644	1	0.02	117	1100	19	0.08	<2	5	52
CC92206		10	<1	0.08	10	1.80	840	<1	0.03	209	1210	14	0.03	<2	9	77
CC92207		10	1	0.08	10	1.74	660	1	0.03	78	1210	21	0.03	<2	5	46
CC92208		10	<1	0.15	20	1.89	403	2	0.02	163	3270	6	0.04	<2	4	93
CC92209		<10	<1	0.02	<10	0.10	3480	1	0.04	13	1090	2	0.39	<2	<1	123
CC92210		10	1	0.05	10	0.54	277	2	0.02	84	1110	14	0.05	<2	2	35
CC92211		20	1	0.04	20	4.85	707	1	0.02	234	2860	9	0.02	<2	11	109
CC92212		10	<1	0.07	20	4.47	833	<1	0.02	301	2590	6	0.03	<2	15	72
CC92213		20	1	0.20	10	5.26	1230	<1	0.03	330	1960	5	0.03	<2	15	44
CC92214		20	1	0.26	10	5.04	1090	<1	0.03	283	1770	7	0.03	<2	13	34
CC92215		10	<1	0.12	10	3.25	739	<1	0.04	146	1870	9	0.08	<2	7	76
CC92216		10	<1	0.10	10	3.05	604	1	0.03	223	1840	11	0.15	<2	10	60
CC92217		<10	1	0.06	10	0.86	276	<1	0.02	138	1050	11	0.30	<2	3	91
CC92218		10	1	0.10	20	3.37	454	<1	0.02	232	1830	8	0.07	<2	9	32
CC92219		10	1	0.13	20	3.32	795	<1	0.03	217	1930	8	0.11	<2	10	54
CC92220		<10	<1	0.06	10	0.67	598	1	0.02	102	890	12	0.10	<2	2	68
CC92221		10	<1	0.09	10	0.71	338	2	0.02	87	560	18	0.02	<2	4	11
CC92222		10	<1	0.11	20	3.08	1200	1	0.03	207	2210	9	0.13	<2	9	54

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Project: RAU

Finalized Date: 16-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10091017

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC92183		<20	0.06	<10	<10	64	<10	93
CC92184		<20	0.09	<10	<10	62	<10	83
CC92185		<20	0.10	<10	<10	63	<10	84
CC92186		<20	0.16	<10	<10	68	<10	85
CC92187		<20	0.06	<10	<10	74	<10	92
CC92188		<20	0.06	<10	<10	57	<10	84
CC92189		<20	0.15	<10	<10	78	<10	100
CC92190		<20	0.07	<10	<10	57	<10	75
CC92191		<20	0.02	<10	<10	18	<10	23
CC92192		<20	0.06	<10	<10	63	<10	76
CC92193		<20	0.29	<10	<10	148	<10	149
CC92194		<20	0.04	<10	<10	72	<10	77
CC92195		<20	0.04	<10	<10	69	<10	81
CC92196		<20	0.11	<10	<10	85	<10	67
CC92197		<20	0.07	<10	<10	59	<10	92
CC92198		<20	0.05	<10	<10	69	<10	93
CC92199		<20	0.06	<10	<10	88	<10	107
CC92200		<20	0.09	<10	<10	98	<10	73
CC92201		<20	0.06	<10	<10	107	<10	76
CC92202		<20	0.07	<10	<10	143	<10	92
CC92203		<20	0.06	<10	<10	146	<10	87
CC92204		<20	0.07	<10	<10	107	<10	90
CC92205		<20	0.04	<10	<10	57	<10	72
CC92206		<20	0.04	<10	<10	71	<10	108
CC92207		<20	0.08	<10	<10	54	<10	83
CC92208		<20	0.01	<10	<10	66	<10	140
CC92209		<20	<0.01	<10	<10	4	<10	12
CC92210		<20	0.06	<10	<10	60	<10	170
CC92211		<20	0.24	<10	<10	112	<10	120
CC92212		<20	0.05	<10	<10	119	<10	114
CC92213		<20	0.10	<10	<10	120	<10	124
CC92214		<20	0.18	<10	<10	130	<10	146
CC92215		<20	0.09	<10	<10	91	<10	114
CC92216		<20	0.09	<10	<10	92	<10	107
CC92217		<20	0.03	<10	<10	37	<10	53
CC92218		<20	0.16	<10	<10	100	<10	107
CC92219		<20	0.10	<10	<10	97	<10	112
CC92220		<20	0.05	<10	<10	40	<10	53
CC92221		<20	0.12	<10	<10	81	<10	53
CC92222		<20	0.09	<10	<10	96	<10	109

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Project: RAU

Finalized Date: 16-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10091017

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC92223		0.24	0.002	<0.2	4.57	3	<10	80	0.5	<2	3.82	<0.5	88	377	121	7.65
CC92224		0.18	0.002	<0.2	2.46	4	<10	190	<0.5	<2	1.83	<0.5	28	96	66	4.70
CC92225		0.20	0.001	<0.2	2.61	3	<10	170	<0.5	<2	2.03	0.5	32	150	75	4.95
CC92226		0.12	0.001	<0.2	3.02	3	<10	180	<0.5	<2	0.96	<0.5	32	177	45	5.25
CC92227		0.12	0.007	0.2	1.66	8	<10	210	0.6	<2	1.56	0.7	19	48	64	3.96
CC92228		0.14	0.001	0.2	1.31	6	<10	130	<0.5	<2	1.76	<0.5	14	49	44	2.72
CC92229		0.16	0.009	<0.2	1.79	6	<10	170	0.5	<2	3.06	<0.5	15	81	53	2.99
CC92230		0.08	NSS	<0.2	0.68	3	<10	220	<0.5	<2	4.96	<0.5	11	29	68	1.45
CC92231		0.20	<0.001	<0.2	2.56	9	<10	230	0.5	<2	1.33	0.5	26	126	49	5.62

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 16-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10091017

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC92223		20	<1	0.13	10	4.22	948	<1	0.02	491	1880	5	0.02	<2	19	88
CC92224		10	<1	0.07	10	1.91	928	1	0.02	99	1140	9	0.09	<2	5	64
CC92225		10	<1	0.05	10	2.21	931	<1	0.02	126	1070	7	0.10	<2	7	64
CC92226		10	<1	0.05	10	2.53	640	<1	0.02	101	780	8	0.05	<2	8	31
CC92227		<10	1	0.10	20	0.73	794	6	0.02	62	1000	14	0.09	<2	4	57
CC92228		<10	<1	0.08	10	0.85	458	1	0.02	55	1040	13	0.10	<2	3	55
CC92229		<10	<1	0.06	10	1.22	1040	<1	0.02	48	1250	18	0.11	<2	5	79
CC92230		<10	<1	0.04	10	0.37	1205	<1	0.02	53	900	7	0.17	<2	1	110
CC92231		10	<1	0.12	20	1.32	1325	<1	0.02	95	2080	16	0.05	<2	5	45

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Finalized Date: 16-JUL-2010
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CERTIFICATE OF ANALYSIS VA10091017

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC92223		<20	0.26	<10	<10	170	<10	138
CC92224		<20	0.08	<10	<10	77	<10	96
CC92225		<20	0.11	<10	<10	101	<10	99
CC92226		<20	0.18	<10	<10	112	<10	99
CC92227		<20	0.02	<10	<10	50	<10	95
CC92228		<20	0.06	<10	<10	47	<10	84
CC92229		<20	0.02	<10	<10	67	<10	67
CC92230		<20	0.01	<10	<10	18	<10	36
CC92231		<20	0.03	<10	<10	65	<10	108

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Project: RAU

Finalized Date: 16-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10091017

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non-sufficient sample.

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 18-JUL-2010
Account: RCM

CERTIFICATE VA10091018

Project: RAU

P.O. No.: El West

This report is for 232 Soil samples submitted to our lab in Vancouver, BC, Canada on 6-JUL-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-31	Pulverize split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
SCR-43	Screen to -500um, discard plus
SCR-01	Screen - Save plus fraction

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Project: RAU

CERTIFICATE OF ANALYSIS VA10091018

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC92238		0.08	<0.001	0.2	1.07	2	<10	180	<0.5	<2	4.15	<0.5	15	61	79	1.85
CC92239		0.22	0.004	<0.2	2.08	6	<10	190	<0.5	<2	2.91	<0.5	27	110	149	3.34
CC92240		0.20	0.004	0.2	2.33	8	<10	180	<0.5	<2	2.50	<0.5	30	131	83	3.76
CC92241		0.18	<0.001	<0.2	1.96	3	<10	180	<0.5	2	2.92	<0.5	25	111	85	3.25
CC92242		0.12	0.005	<0.2	1.36	6	<10	140	<0.5	<2	3.44	<0.5	15	72	61	2.22
CC92243		0.10	0.013	<0.2	1.33	<2	<10	190	<0.5	<2	3.54	<0.5	17	71	51	2.28
CC92244		0.14	0.011	0.2	1.22	11	<10	190	<0.5	<2	3.52	<0.5	18	52	90	2.09
CC92245		0.24	<0.001	0.2	1.94	9	<10	240	<0.5	<2	2.96	<0.5	25	108	82	3.22
CC92246		0.22	0.001	<0.2	2.75	5	<10	190	<0.5	<2	1.28	<0.5	33	163	79	4.49
CC92247		0.20	0.003	<0.2	0.64	<2	<10	110	<0.5	<2	4.42	<0.5	6	31	37	1.03
CC92248		0.16	0.003	0.2	1.81	9	<10	190	<0.5	<2	3.16	<0.5	27	102	108	3.21
CC92249		0.22	0.001	<0.2	2.56	9	<10	250	0.5	<2	1.53	<0.5	31	127	83	4.41
CC92250		0.28	0.001	<0.2	2.94	8	<10	200	<0.5	<2	1.47	<0.5	35	169	73	4.94
CC92251		0.22	0.001	0.2	2.94	10	<10	500	0.8	<2	1.06	<0.5	26	102	96	4.31
CC92252		0.10	0.003	<0.2	1.55	10	<10	240	<0.5	<2	3.17	<0.5	17	67	47	2.97
CC92253		0.22	0.001	0.3	2.65	14	10	350	0.5	<2	2.36	<0.5	31	95	88	4.65
CC92254		0.36	<0.001	<0.2	3.39	15	<10	170	0.5	<2	0.88	<0.5	31	199	135	8.08
CC92255		0.34	0.003	0.4	1.54	27	10	230	0.5	<2	2.06	<0.5	18	55	52	4.22
CC92256		0.18	0.005	0.4	0.69	8	10	270	<0.5	<2	3.87	1.0	8	24	24	1.30
CC92257		0.28	0.001	0.4	1.62	10	10	210	0.5	<2	1.09	<0.5	10	32	26	2.96
CC92258		0.34	0.003	0.3	1.55	20	10	230	0.6	<2	0.89	<0.5	15	40	40	3.66
CC92259		0.22	0.002	0.3	1.88	10	10	280	0.5	<2	0.83	1.1	12	42	27	3.08
CC92260		0.32	0.003	0.2	1.78	11	10	270	0.6	<2	0.84	0.7	11	36	24	3.06
CC92261		0.22	0.001	0.3	1.74	10	10	230	0.5	<2	0.87	0.6	11	35	22	3.07
CC92262		0.16	0.001	0.3	1.58	13	10	200	0.6	<2	0.96	0.8	10	33	26	2.97
CC92263		0.18	0.002	0.3	1.69	10	10	210	0.5	3	1.40	0.8	15	52	42	3.51
CC92264		0.46	<0.001	<0.2	2.02	15	10	210	0.7	<2	0.44	0.6	10	33	18	3.31
CC92268		0.28	<0.001	<0.2	3.33	7	10	190	0.6	<2	1.79	<0.5	37	293	59	5.61
CC92269		0.18	0.002	<0.2	2.59	4	10	180	0.5	<2	2.35	<0.5	26	176	43	4.64
CC92270		0.22	0.003	0.3	2.35	9	10	290	0.5	<2	1.91	<0.5	25	44	46	4.93
CC92271		0.18	0.004	<0.2	2.50	3	10	250	0.5	<2	2.21	<0.5	33	108	90	4.52
CC92272		0.28	0.001	0.3	1.55	14	10	150	0.6	<2	1.65	0.5	21	77	48	4.30
CC92273		0.22	0.002	0.2	2.27	8	10	190	0.5	<2	1.97	<0.5	25	83	67	4.65
CC92274		0.34	0.001	<0.2	1.14	11	10	130	<0.5	<2	2.14	<0.5	15	28	31	3.94
CC92275		0.30	0.001	<0.2	1.02	10	<10	110	<0.5	2	2.34	<0.5	16	24	33	3.70
CC92276		0.38	0.003	0.2	1.20	10	10	130	0.5	<2	3.51	<0.5	17	30	37	3.83
CC92277		0.36	0.001	0.2	2.13	11	10	360	0.6	2	0.67	<0.5	11	31	17	3.27
CC92278		0.26	0.003	0.4	1.94	16	10	300	0.8	<2	1.38	0.5	12	31	34	3.08
CC92279		0.36	0.004	<0.2	1.54	16	10	760	0.6	3	2.22	0.5	12	26	28	3.19
CC92280		0.22	0.003	0.4	1.25	12	10	170	0.6	<2	1.17	0.6	18	37	46	3.77

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10091018

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC92238		<10	1	0.04	<10	0.88	578	<1	0.01	90	770	9	0.12	<2	1	98
CC92239		10	1	0.06	10	1.51	655	<1	0.01	139	900	13	0.11	<2	3	79
CC92240		10	1	0.04	10	1.87	740	<1	0.01	138	600	15	0.06	<2	3	73
CC92241		<10	1	0.05	10	1.67	640	<1	0.01	131	760	14	0.08	<2	3	80
CC92242		<10	1	0.06	<10	1.15	400	<1	0.02	85	720	9	0.11	<2	2	90
CC92243		<10	<1	0.06	<10	1.00	555	<1	0.01	75	610	7	0.10	<2	2	90
CC92244		<10	<1	0.07	10	0.72	496	<1	0.01	73	850	6	0.12	<2	2	87
CC92245		<10	1	0.06	10	1.43	653	<1	0.01	115	820	10	0.08	<2	3	77
CC92246		10	<1	0.09	10	2.34	638	<1	0.02	160	1260	14	0.01	<2	4	43
CC92247		<10	1	0.03	<10	0.53	267	<1	0.01	39	650	3	0.15	<2	1	93
CC92248		<10	<1	0.06	10	1.40	663	<1	0.01	132	830	11	0.09	<2	2	76
CC92249		10	1	0.10	10	2.04	902	<1	0.02	130	1130	19	0.03	<2	5	39
CC92250		10	1	0.09	10	2.58	779	<1	0.01	162	1120	16	0.02	<2	5	42
CC92251		10	2	0.08	20	1.29	919	<1	0.01	99	1230	16	0.03	<2	5	36
CC92252		<10	1	0.07	10	1.03	706	<1	0.02	59	1150	8	0.12	<2	2	95
CC92253		10	<1	0.21	10	1.66	868	1	0.01	104	1810	15	0.02	<2	4	70
CC92254		10	1	0.14	20	1.71	543	<1	<0.01	154	2740	6	<0.01	<2	9	22
CC92255		<10	<1	0.13	10	1.25	720	<1	0.01	62	1230	18	0.02	<2	5	47
CC92256		<10	<1	0.04	<10	0.55	2130	<1	0.01	24	1100	7	0.17	<2	1	79
CC92257		<10	<1	0.09	10	0.66	552	<1	0.01	27	820	31	0.03	<2	2	28
CC92258		<10	1	0.13	20	0.96	834	<1	0.01	45	1570	36	<0.01	<2	5	27
CC92259		<10	<1	0.10	10	0.73	596	<1	0.01	32	870	29	0.03	<2	3	26
CC92260		<10	<1	0.08	10	0.65	681	<1	<0.01	29	780	33	0.02	<2	3	22
CC92261		10	<1	0.10	10	0.60	640	<1	0.01	28	680	29	0.02	<2	2	30
CC92262		<10	<1	0.12	10	0.74	635	<1	0.01	30	900	32	0.04	<2	2	22
CC92263		<10	<1	0.13	10	1.27	674	<1	0.01	49	1060	21	0.02	<2	4	29
CC92264		<10	<1	0.10	10	0.59	645	<1	<0.01	23	600	35	0.01	<2	2	15
CC92268		10	1	0.14	10	2.95	908	<1	<0.01	147	1320	8	0.05	<2	10	54
CC92269		10	1	0.12	10	2.08	615	<1	<0.01	97	1270	7	0.08	<2	7	99
CC92270		<10	<1	0.20	10	1.49	919	<1	<0.01	46	1770	25	0.08	<2	5	84
CC92271		<10	<1	0.13	10	1.73	862	<1	0.01	97	1080	6	0.11	<2	5	81
CC92272		<10	<1	0.16	10	1.40	1015	<1	<0.01	52	1040	32	0.05	<2	4	37
CC92273		<10	1	0.15	10	1.88	804	<1	0.01	67	1530	15	0.08	<2	5	66
CC92274		<10	<1	0.12	10	1.54	681	<1	<0.01	32	1000	22	0.02	<2	3	43
CC92275		<10	<1	0.12	10	1.58	762	<1	<0.01	30	920	22	0.02	<2	3	45
CC92276		<10	<1	0.13	10	2.28	765	<1	<0.01	33	850	19	0.03	<2	4	58
CC92277		<10	1	0.09	10	0.49	520	<1	<0.01	20	840	23	0.03	<2	4	25
CC92278		<10	<1	0.08	10	0.68	1120	<1	0.01	27	1190	38	0.06	<2	2	26
CC92279		<10	1	0.11	10	1.46	775	<1	0.01	29	910	23	0.03	<2	3	27
CC92280		<10	<1	0.19	10	0.69	1310	1	<0.01	40	890	31	0.07	<2	3	28

***** See Appendix Page for comments regarding this certificate *****

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Project: RAU

CERTIFICATE OF ANALYSIS VA10091018

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC92238		<20	0.03	<10	<10	28	<10	43
CC92239		<20	0.04	<10	<10	54	<10	61
CC92240		<20	0.08	<10	<10	62	<10	67
CC92241		<20	0.06	<10	<10	51	<10	60
CC92242		<20	0.04	<10	<10	36	<10	47
CC92243		<20	0.04	<10	<10	37	<10	78
CC92244		<20	0.03	<10	<10	34	<10	50
CC92245		<20	0.05	<10	<10	56	<10	64
CC92246		<20	0.17	<10	<10	73	<10	90
CC92247		<20	0.02	<10	<10	19	<10	20
CC92248		<20	0.05	<10	<10	48	<10	56
CC92249		<20	0.14	<10	<10	77	<10	94
CC92250		<20	0.14	<10	<10	83	<10	94
CC92251		<20	0.09	<10	<10	87	<10	72
CC92252		<20	0.05	<10	<10	46	<10	52
CC92253		<20	0.19	<10	<10	77	<10	88
CC92254		<20	0.42	<10	<10	110	<10	86
CC92255		<20	0.05	<10	<10	49	<10	107
CC92256		<20	0.02	<10	<10	18	<10	40
CC92257		<20	0.03	<10	<10	53	<10	103
CC92258		<20	0.07	<10	<10	54	<10	112
CC92259		<20	0.04	<10	<10	60	<10	120
CC92260		<20	0.03	<10	<10	58	<10	118
CC92261		<20	0.03	<10	<10	60	<10	114
CC92262		<20	0.03	<10	<10	51	<10	125
CC92263		<20	0.07	<10	<10	55	<10	111
CC92264		<20	0.03	<10	<10	74	<10	156
CC92268		<20	0.17	<10	<10	122	<10	108
CC92269		<20	0.12	<10	<10	100	<10	92
CC92270		<20	0.09	<10	<10	96	<10	119
CC92271		<20	0.07	<10	<10	78	<10	94
CC92272		<20	0.04	<10	<10	49	<10	121
CC92273		<20	0.09	<10	<10	78	<10	106
CC92274		<20	0.06	<10	<10	36	<10	106
CC92275		<20	0.03	<10	<10	32	<10	78
CC92276		<20	0.05	<10	<10	43	<10	82
CC92277		<20	0.03	<10	<10	68	<10	69
CC92278		<20	0.02	<10	<10	59	<10	84
CC92279		<20	0.03	<10	<10	50	<10	99
CC92280		<20	0.03	<10	<10	40	<10	137

***** See Appendix Page for comments regarding this certificate *****

ALS Chemex
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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10091018

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC92281		0.30	<0.001	0.3	1.42	17	10	200	0.7	<2	1.36	1.3	15	34	40	3.75
CC92282		0.20	<0.001	0.3	1.22	14	10	180	0.6	<2	1.78	<0.5	16	36	46	3.74
CC92283		0.28	<0.001	0.3	1.08	13	10	160	0.6	2	1.26	<0.5	12	20	40	3.45
CC92284		0.28	<0.001	0.3	1.51	15	10	170	0.6	<2	1.20	0.5	20	28	53	4.28
CC92285		0.26	<0.001	0.2	1.48	15	<10	220	0.6	<2	1.35	<0.5	20	30	43	3.97
CC92286		0.24	0.002	0.2	1.52	10	10	180	0.5	<2	1.81	<0.5	17	50	58	3.51
CC92287		0.22	<0.001	<0.2	2.32	15	10	290	0.6	<2	1.94	<0.5	23	57	53	4.82
CC92288		0.28	<0.001	<0.2	0.90	17	10	130	0.5	<2	1.71	<0.5	13	14	42	3.25
CC92289		0.28	0.001	0.2	1.68	9	10	300	0.6	<2	2.02	0.6	18	28	41	4.13
CC92290		0.18	<0.001	0.2	1.94	10	10	270	0.6	<2	1.76	0.5	20	42	39	4.27
CC92291		0.28	0.002	0.2	2.78	12	<10	340	0.5	2	1.24	<0.5	26	51	35	5.58
CC92292		0.20	<0.001	<0.2	2.49	6	<10	240	<0.5	<2	1.49	<0.5	22	67	32	4.68
CC92293		0.16	<0.001	<0.2	2.81	4	<10	380	0.5	<2	1.68	<0.5	24	48	29	4.73
CC92294		0.34	<0.001	<0.2	2.82	4	<10	380	0.7	<2	1.51	<0.5	24	89	41	4.88
CC92295		0.26	<0.001	<0.2	2.72	6	<10	250	0.5	<2	1.73	<0.5	25	26	31	4.99
CC92296		0.24	<0.001	<0.2	0.88	5	<10	120	<0.5	<2	0.81	<0.5	7	18	29	2.35
CC92297		0.28	<0.001	0.5	2.02	20	<10	150	0.5	<2	1.86	0.8	21	85	76	4.01
CC92298		0.32	<0.001	<0.2	2.01	9	<10	120	<0.5	<2	0.25	<0.5	14	62	24	3.78
CC92299		0.32	<0.001	<0.2	1.44	8	<10	180	0.5	<2	1.67	<0.5	20	55	99	3.99
CC92300		0.24	<0.001	<0.2	2.45	10	<10	130	0.5	<2	1.82	<0.5	22	100	71	4.17
CC92301		0.24	<0.001	<0.2	3.67	4	<10	150	<0.5	<2	1.63	<0.5	29	145	90	5.22
CC92302		0.28	<0.001	<0.2	3.36	3	<10	150	<0.5	<2	0.96	<0.5	29	139	108	4.98
CC92303		0.46	<0.001	<0.2	2.01	7	<10	150	<0.5	<2	5.87	<0.5	18	62	71	3.46
CC92304		0.18	0.001	<0.2	1.33	4	<10	180	<0.5	<2	3.06	<0.5	15	43	42	3.26
CC92305		0.20	0.005	<0.2	2.53	3	<10	140	0.5	<2	2.13	<0.5	21	92	41	4.47
CC92306		0.28	<0.001	<0.2	2.19	7	<10	160	<0.5	<2	2.40	<0.5	25	101	84	3.68
CC92307		0.20	<0.001	<0.2	2.15	5	<10	110	0.5	<2	3.00	<0.5	20	70	43	3.85
CC92308		0.32	0.003	<0.2	2.34	5	<10	170	<0.5	<2	2.81	<0.5	29	107	64	4.86
CC92309		0.26	<0.001	<0.2	3.41	6	<10	180	0.5	<2	2.43	<0.5	33	137	69	5.99
CC92310		0.36	<0.001	<0.2	2.12	7	<10	160	<0.5	<2	3.80	<0.5	32	101	75	4.88
CC92311		0.18	0.002	0.2	1.14	7	<10	160	<0.5	<2	3.41	<0.5	17	49	68	2.33
CC92312		0.20	0.002	0.2	1.07	<2	<10	160	<0.5	<2	3.50	0.8	17	43	51	2.58
CC92313		0.22	<0.001	<0.2	3.10	28	<10	320	0.8	<2	0.91	<0.5	31	135	53	5.60
CC92314		0.16	<0.001	<0.2	2.35	17	<10	260	0.5	<2	2.08	<0.5	26	110	60	4.34
CC92315		0.12	<0.001	0.4	4.34	76	<10	150	0.5	<2	1.22	<0.5	43	232	82	6.57
CC92316		0.16	<0.001	0.2	1.33	66	<10	240	<0.5	<2	2.21	<0.5	17	49	28	3.29
CC92317		0.16	0.001	<0.2	1.29	93	<10	200	<0.5	<2	2.90	<0.5	14	52	28	2.79
CC92318		0.10	NSS	<0.2	0.59	13	<10	170	<0.5	<2	4.88	<0.5	7	18	31	1.31
CC92319		0.26	0.001	0.2	2.18	108	<10	250	0.5	<2	1.29	<0.5	30	93	60	5.41
CC92320		0.20	<0.001	<0.2	2.35	7	<10	190	<0.5	<2	1.41	<0.5	25	115	45	4.10

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Project: RAU

Finalized Date: 18-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10091018

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC92281		<10	<1	0.12	10	0.78	714	<1	<0.01	38	870	36	0.04	<2	3	27
CC92282		<10	<1	0.17	10	0.72	696	<1	0.01	37	950	28	0.08	<2	4	36
CC92283		<10	<1	0.20	10	0.52	556	<1	<0.01	28	730	25	0.08	<2	3	28
CC92284		<10	1	0.17	10	0.95	847	1	<0.01	41	1030	26	0.06	<2	4	36
CC92285		<10	<1	0.17	10	0.89	904	1	<0.01	37	1000	17	0.06	<2	3	45
CC92286		<10	1	0.15	10	1.24	1425	<1	<0.01	48	1010	20	0.14	<2	3	54
CC92287		10	1	0.13	10	1.69	927	<1	0.01	55	1180	15	0.08	<2	5	65
CC92288		<10	<1	0.18	10	0.73	660	<1	<0.01	26	730	28	0.05	<2	3	39
CC92289		<10	1	0.13	10	1.27	1175	<1	<0.01	32	1180	26	0.08	<2	3	51
CC92290		10	<1	0.14	10	1.20	1050	<1	0.01	43	1160	16	0.08	<2	4	56
CC92291		10	1	0.13	10	1.82	787	<1	<0.01	34	2190	15	0.05	<2	6	65
CC92292		10	1	0.14	10	1.79	622	1	0.01	38	1400	22	0.07	<2	5	70
CC92293		10	1	0.12	10	1.93	818	<1	0.02	31	1470	8	0.10	<2	5	76
CC92294		10	<1	0.09	10	2.09	832	1	0.01	44	1320	11	0.07	<2	7	57
CC92295		10	1	0.20	20	1.77	792	1	0.02	25	1940	6	0.06	<2	5	75
CC92296		<10	<1	0.15	10	0.39	201	1	0.01	18	650	9	0.06	<2	2	42
CC92297		10	<1	0.11	30	1.38	592	4	0.02	76	980	10	0.09	<2	5	88
CC92298		10	1	0.09	10	1.03	362	2	0.02	55	470	9	<0.01	<2	3	15
CC92299		<10	<1	0.15	30	0.77	499	2	0.02	57	910	15	0.16	<2	5	106
CC92300		10	1	0.08	10	2.11	589	1	0.01	86	920	7	0.08	<2	5	94
CC92301		10	1	0.07	10	4.13	745	<1	0.01	103	1120	4	0.07	<2	6	84
CC92302		10	1	0.07	10	3.04	732	1	0.02	92	790	7	0.03	<2	5	61
CC92303		<10	<1	0.19	10	3.68	699	1	0.02	74	1040	13	0.01	<2	5	80
CC92304		10	1	0.06	10	0.90	851	4	0.02	65	910	8	0.15	<2	2	150
CC92305		10	<1	0.06	10	2.15	712	1	0.01	86	1160	5	0.09	<2	3	107
CC92306		10	<1	0.06	10	1.68	667	1	0.01	105	1030	7	0.08	<2	4	123
CC92307		10	1	0.08	10	1.82	671	1	0.02	72	1450	4	0.13	<2	3	156
CC92308		10	1	0.17	10	1.74	787	1	0.01	124	1560	6	0.06	<2	5	99
CC92309		10	1	0.13	10	2.42	764	<1	0.01	135	1570	4	0.04	<2	6	72
CC92310		10	1	0.11	20	1.63	727	1	0.01	118	1580	7	0.06	<2	5	114
CC92311		<10	1	0.09	10	0.81	534	1	0.01	71	910	9	0.13	<2	2	110
CC92312		<10	1	0.10	10	0.68	955	1	0.01	65	820	49	0.12	<2	2	135
CC92313		10	1	0.14	20	1.66	865	1	0.02	100	1350	16	0.01	<2	9	35
CC92314		10	1	0.14	20	2.12	789	1	0.02	94	1370	17	0.03	<2	6	49
CC92315		10	1	0.09	10	4.50	1015	<1	0.02	195	1060	21	0.04	<2	15	68
CC92316		10	<1	0.09	10	0.72	616	1	0.02	47	1420	21	0.12	<2	4	111
CC92317		<10	<1	0.07	10	0.91	697	1	0.02	40	1140	9	0.14	<2	2	130
CC92318		<10	1	0.05	<10	0.35	283	1	0.02	29	950	6	0.20	<2	1	181
CC92319		<10	<1	0.11	20	1.43	1160	1	0.01	102	1580	15	0.04	3	8	54
CC92320		10	1	0.09	10	1.87	622	1	0.01	93	1390	16	0.03	<2	5	42

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1016-510 W HASTINGS ST
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Project: RAU

Finalized Date: 18-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10091018

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC92281		<20	0.02	<10	<10	47	<10	260
CC92282		<20	0.02	<10	<10	41	<10	135
CC92283		<20	0.01	<10	<10	30	<10	116
CC92284		<20	0.04	<10	<10	50	<10	111
CC92285		<20	0.04	<10	<10	50	<10	89
CC92286		<20	0.04	<10	<10	51	<10	95
CC92287		<20	0.10	<10	<10	86	<10	102
CC92288		<20	0.01	<10	<10	23	<10	111
CC92289		<20	0.05	<10	<10	57	<10	105
CC92290		<20	0.07	<10	<10	67	<10	102
CC92291		<20	0.13	<10	<10	110	<10	100
CC92292		<20	0.12	<10	<10	95	<10	95
CC92293		<20	0.15	<10	<10	109	<10	94
CC92294		<20	0.15	<10	<10	115	<10	97
CC92295		<20	0.21	<10	<10	101	<10	91
CC92296		<20	0.03	<10	<10	28	<10	66
CC92297		<20	0.06	<10	<10	76	<10	147
CC92298		<20	0.16	<10	<10	92	<10	73
CC92299		<20	0.20	<10	<10	50	<10	64
CC92300		<20	0.13	<10	<10	79	<10	86
CC92301		<20	0.17	<10	<10	107	<10	83
CC92302		<20	0.13	<10	<10	109	<10	79
CC92303		<20	0.11	<10	<10	65	<10	96
CC92304		<20	0.06	<10	<10	42	<10	51
CC92305		<20	0.12	<10	<10	70	<10	85
CC92306		<20	0.06	<10	<10	65	<10	69
CC92307		<20	0.09	<10	<10	55	<10	87
CC92308		<20	0.12	<10	<10	67	<10	86
CC92309		<20	0.14	<10	<10	91	<10	99
CC92310		<20	0.09	<10	<10	65	<10	92
CC92311		<20	0.03	<10	<10	33	<10	53
CC92312		<20	0.04	<10	<10	32	<10	128
CC92313		<20	0.19	<10	<10	103	<10	96
CC92314		<20	0.16	<10	<10	78	<10	97
CC92315		<20	0.12	<10	<10	130	<10	132
CC92316		<20	0.02	<10	<10	40	<10	77
CC92317		<20	0.03	<10	<10	40	<10	55
CC92318		<20	0.01	<10	<10	13	<10	22
CC92319		<20	0.04	<10	<10	68	<10	205
CC92320		<20	0.16	<10	<10	74	<10	87

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Project: RAU

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CERTIFICATE OF ANALYSIS VA10091018

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC92321		0.14	<0.001	<0.2	2.82	10	<10	180	<0.5	<2	4.53	<0.5	29	124	64	4.83
CC92322		0.16	<0.001	<0.2	2.49	6	<10	200	<0.5	<2	2.15	<0.5	26	118	54	4.32
CC92323		0.14	<0.001	<0.2	2.66	7	<10	260	0.5	<2	1.32	<0.5	29	117	52	4.49
CC92324		0.16	<0.001	<0.2	1.57	4	<10	200	<0.5	<2	2.88	<0.5	19	70	66	2.58
CC92325		0.16	<0.001	<0.2	2.09	12	<10	210	<0.5	<2	2.22	<0.5	25	91	52	3.77
CC92326		0.28	0.006	<0.2	3.17	2	<10	140	0.5	<2	1.54	<0.5	32	168	42	5.03
CC92327		0.28	0.001	<0.2	4.23	45	<10	350	1.3	<2	1.50	<0.5	43	167	73	8.09
CC92328		0.16	<0.001	<0.2	3.29	15	<10	180	0.9	<2	2.14	<0.5	37	139	68	5.91
CC92329		0.12	0.002	<0.2	3.46	5	<10	180	0.7	<2	1.71	<0.5	35	152	47	5.64
CC92330		0.14	<0.001	<0.2	3.39	3	<10	230	0.8	<2	1.51	<0.5	36	135	64	5.75
CC92331		0.08	<0.001	<0.2	2.54	5	<10	260	0.6	<2	2.05	<0.5	28	108	55	4.16
CC92332		0.18	0.001	<0.2	2.91	2	<10	210	0.6	<2	1.41	<0.5	31	129	49	4.91
CC92333		0.12	<0.001	<0.2	2.93	11	<10	290	0.6	<2	1.67	<0.5	35	166	52	5.02
CC92334		0.16	0.004	<0.2	2.33	34	<10	260	0.6	<2	1.80	<0.5	30	111	56	4.52
CC92335		0.14	<0.001	<0.2	2.96	8	<10	190	0.7	<2	2.04	<0.5	32	132	57	4.74
CC92336		0.20	<0.001	<0.2	3.38	7	<10	130	0.5	<2	1.35	<0.5	35	194	37	5.48
CC92337		0.12	NSS	<0.2	3.17	16	<10	200	0.6	<2	1.66	<0.5	37	151	64	5.27
CC92338		0.16	0.001	<0.2	2.40	39	<10	270	0.5	<2	1.84	<0.5	37	177	53	5.08
CC92339		0.14	<0.001	<0.2	2.06	32	<10	210	<0.5	<2	2.44	<0.5	29	121	72	4.43
CC92340		0.14	0.001	0.2	3.16	23	<10	140	0.6	<2	1.73	<0.5	34	149	63	5.71
CC92341		0.10	0.002	<0.2	2.64	36	<10	250	0.6	<2	1.63	<0.5	39	122	49	5.36
CC92342		0.10	<0.001	<0.2	3.03	12	<10	200	0.5	<2	1.65	<0.5	29	147	34	5.07
CC92343		0.16	<0.001	<0.2	2.46	5	<10	170	<0.5	<2	1.47	<0.5	27	137	58	4.16
CC92344		0.14	0.004	<0.2	2.37	4	<10	210	<0.5	<2	1.78	<0.5	29	124	48	4.04
CC92345		0.18	<0.001	<0.2	2.81	11	<10	230	0.5	<2	1.15	<0.5	35	150	49	4.87
CC92346		0.18	<0.001	<0.2	2.63	4	<10	160	<0.5	<2	0.99	<0.5	26	150	43	4.65
CC92347		0.18	<0.001	<0.2	2.75	5	<10	230	<0.5	<2	1.54	<0.5	27	157	44	4.63
CC92348		0.10	<0.001	<0.2	2.59	5	<10	170	<0.5	<2	1.40	<0.5	28	152	42	4.27
CC92349		0.16	0.030	<0.2	2.19	6	<10	210	<0.5	<2	2.17	<0.5	29	100	71	3.67
CC92350		0.12	0.002	<0.2	2.49	8	<10	160	<0.5	<2	1.77	<0.5	27	139	45	4.21
CC92351		0.12	<0.001	<0.2	3.02	10	<10	160	<0.5	<2	1.73	<0.5	32	235	43	4.85
CC92352		0.22	<0.001	<0.2	2.77	6	<10	220	0.8	<2	2.15	<0.5	33	110	116	4.75
CC92353		0.22	<0.001	<0.2	2.67	6	<10	210	0.6	<2	1.47	<0.5	30	91	77	4.93
CC92354		0.20	<0.001	<0.2	3.02	3	<10	240	0.6	<2	1.68	<0.5	35	168	65	5.52
CC92355		0.14	0.004	<0.2	3.35	4	<10	200	0.5	<2	1.45	<0.5	43	127	53	5.90
CC92356		0.16	<0.001	<0.2	3.85	<2	<10	220	0.6	<2	1.36	<0.5	36	127	40	6.35
CC92357		0.20	0.003	<0.2	3.49	4	<10	180	0.6	<2	1.62	<0.5	32	111	49	5.72
CC92358		0.24	0.006	0.2	1.53	20	<10	230	0.5	<2	1.92	0.6	10	27	34	2.69
CC92359		0.26	0.007	0.3	1.52	13	<10	220	0.5	<2	1.56	0.8	12	27	27	2.44
CC92360		0.30	0.012	<0.2	0.89	5	<10	100	<0.5	<2	5.46	0.7	5	12	8	1.24

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10091018

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC92321		10	1	0.18	10	2.63	768	1	0.02	105	1570	15	0.01	<2	6	124
CC92322		10	1	0.12	10	2.35	593	<1	0.02	99	1440	14	0.03	<2	5	54
CC92323		10	<1	0.11	10	1.98	1005	1	0.02	99	1350	14	0.04	<2	6	44
CC92324		<10	<1	0.06	10	1.07	962	1	0.02	72	760	8	0.12	<2	3	84
CC92325		10	<1	0.08	10	1.47	1005	1	0.02	78	1140	12	0.10	<2	5	73
CC92326		10	<1	0.18	10	2.43	787	<1	0.01	137	2680	3	0.01	<2	2	79
CC92327		20	1	0.24	20	3.87	1040	1	0.02	136	2810	3	0.03	<2	12	111
CC92328		10	<1	0.06	10	3.02	1330	1	0.01	119	2020	12	0.07	<2	8	117
CC92329		10	<1	0.08	10	3.02	961	1	0.02	95	2210	5	0.05	<2	6	89
CC92330		10	1	0.07	10	2.87	1080	1	0.02	116	1900	6	0.05	<2	6	83
CC92331		10	1	0.08	10	1.82	1050	1	0.02	84	1560	8	0.08	<2	3	92
CC92332		10	1	0.06	10	2.26	1025	<1	0.01	94	1720	6	0.06	<2	5	69
CC92333		10	<1	0.08	10	2.45	1040	<1	0.02	119	1750	7	0.05	<2	6	81
CC92334		10	<1	0.05	10	1.72	1105	1	0.01	91	1440	8	0.09	<2	6	80
CC92335		10	1	0.05	10	2.53	1045	<1	0.01	106	1630	7	0.07	<2	5	91
CC92336		10	<1	0.08	10	3.31	978	<1	0.01	114	1980	4	0.03	<2	7	53
CC92337		10	1	0.06	10	2.90	1175	<1	0.02	110	1520	7	0.06	<2	9	70
CC92338		10	1	0.09	10	1.95	1285	1	0.01	97	1600	8	0.07	<2	6	75
CC92339		10	1	0.08	10	1.64	1170	1	0.02	91	1250	7	0.09	<2	7	94
CC92340		10	1	0.06	10	2.69	953	<1	0.02	110	1490	8	0.06	<2	11	71
CC92341		10	1	0.09	10	2.08	1390	2	0.02	87	1480	13	0.08	<2	6	73
CC92342		10	<1	0.09	10	2.70	841	1	0.02	84	1370	8	0.06	<2	6	70
CC92343		10	<1	0.11	10	2.22	605	<1	0.02	125	1170	14	0.06	<2	5	60
CC92344		10	<1	0.08	10	2.10	1625	1	0.02	111	1220	14	0.06	<2	4	56
CC92345		10	<1	0.09	10	2.29	1535	1	0.02	119	1350	13	0.05	<2	6	45
CC92346		10	<1	0.08	20	2.35	619	1	0.02	110	1570	12	0.02	<2	5	45
CC92347		10	<1	0.08	20	2.33	922	1	0.02	110	1840	9	0.05	<2	5	81
CC92348		10	<1	0.09	10	2.36	743	<1	0.02	118	1010	8	0.04	<2	5	52
CC92349		<10	<1	0.11	10	1.42	974	1	0.02	113	1150	12	0.08	<2	4	57
CC92350		10	1	0.13	20	2.03	560	<1	0.02	115	1420	15	0.06	<2	5	58
CC92351		10	1	0.09	20	2.66	1190	1	0.01	117	1950	21	0.06	<2	6	56
CC92352		10	1	0.06	10	1.81	1175	1	0.02	117	1330	6	0.08	<2	4	92
CC92353		10	<1	0.09	20	1.76	1240	1	0.02	89	1510	9	0.05	<2	5	57
CC92354		10	1	0.08	10	2.44	993	<1	0.02	121	1600	4	0.05	<2	6	62
CC92355		10	<1	0.12	10	2.66	1250	<1	0.02	103	2020	4	0.03	<2	9	58
CC92356		10	1	0.09	20	3.19	929	<1	0.02	89	1930	12	0.03	<2	9	56
CC92357		10	<1	0.08	20	2.78	1115	<1	0.01	85	1560	5	0.05	<2	7	61
CC92358		<10	1	0.18	10	1.09	595	1	0.02	26	1330	88	0.06	4	2	21
CC92359		<10	1	0.13	10	0.73	624	1	0.02	27	1430	178	0.07	40	3	25
CC92360		<10	1	0.05	10	2.60	594	1	0.02	5	1580	42	0.14	2	1	31

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To: **ATAC RESOURCES LTD.**
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Project: RAU

Finalized Date: 18-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10091018

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC92321		<20	0.19	<10	<10	84	<10	106
CC92322		<20	0.16	<10	<10	78	<10	99
CC92323		<20	0.15	<10	<10	82	<10	98
CC92324		<20	0.05	<10	<10	43	<10	54
CC92325		<20	0.07	<10	<10	66	<10	83
CC92326		<20	0.30	<10	<10	59	<10	84
CC92327		<20	0.23	<10	<10	174	<10	123
CC92328		<20	0.15	<10	<10	124	<10	117
CC92329		<20	0.23	<10	<10	118	<10	94
CC92330		<20	0.23	<10	<10	113	<10	99
CC92331		<20	0.11	<10	<10	78	<10	84
CC92332		<20	0.15	<10	<10	96	<10	90
CC92333		<20	0.17	<10	<10	104	<10	93
CC92334		<20	0.08	<10	<10	78	<10	71
CC92335		<20	0.12	<10	<10	100	<10	83
CC92336		<20	0.19	<10	<10	120	<10	91
CC92337		<20	0.14	<10	<10	117	<10	89
CC92338		<20	0.14	<10	<10	104	<10	83
CC92339		<20	0.07	<10	<10	82	<10	72
CC92340		<20	0.19	<10	<10	113	<10	94
CC92341		<20	0.11	<10	<10	84	<10	82
CC92342		<20	0.17	<10	<10	101	<10	97
CC92343		<20	0.15	<10	<10	73	<10	90
CC92344		<20	0.12	<10	<10	74	<10	80
CC92345		<20	0.10	<10	<10	91	<10	100
CC92346		<20	0.20	<10	<10	91	<10	90
CC92347		<20	0.20	<10	<10	78	<10	89
CC92348		<20	0.16	<10	<10	82	<10	81
CC92349		<20	0.05	<10	<10	67	<10	93
CC92350		<20	0.13	<10	<10	80	<10	108
CC92351		<20	0.12	<10	<10	100	<10	139
CC92352		<20	0.07	<10	<10	84	<10	95
CC92353		<20	0.07	<10	<10	75	<10	97
CC92354		<20	0.16	<10	<10	105	<10	104
CC92355		<20	0.09	<10	<10	110	<10	94
CC92356		<20	0.12	<10	<10	121	<10	115
CC92357		<20	0.09	<10	<10	102	<10	111
CC92358		<20	0.02	<10	<10	39	<10	139
CC92359		<20	0.02	<10	<10	42	<10	176
CC92360		<20	0.02	<10	<10	28	<10	82

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10091018

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC92361		0.22	0.003	<0.2	0.47	6	<10	50	<0.5	<2	6.21	0.8	3	6	7	0.79
CC92362		0.28	0.009	<0.2	0.86	10	<10	100	<0.5	<2	6.17	<0.5	5	11	10	1.23
CC92363		0.24	0.001	0.2	1.12	15	<10	160	<0.5	<2	4.49	<0.5	13	30	41	2.45
CC92364		0.38	0.004	0.2	0.99	44	<10	120	0.5	<2	0.80	<0.5	16	18	63	3.83
CC92365		0.30	0.062	<0.2	1.70	20	<10	100	<0.5	<2	0.19	<0.5	12	59	30	3.48
CC92366		0.26	0.005	<0.2	0.56	20	<10	150	<0.5	<2	3.26	0.5	10	9	41	1.98
CC92367		0.24	0.006	0.3	0.76	19	<10	180	<0.5	<2	1.45	0.8	11	10	66	2.63
CC92368		0.26	0.012	0.4	0.94	13	<10	100	<0.5	<2	1.48	0.5	18	19	110	2.78
CC92369		0.24	0.005	0.3	0.66	39	<10	130	0.5	<2	3.46	0.8	16	10	69	3.71
CC92370		0.28	0.004	0.4	0.72	48	<10	120	<0.5	<2	0.78	<0.5	11	12	46	3.13
CC92371		0.30	0.005	0.4	0.74	30	<10	120	<0.5	<2	1.14	<0.5	12	14	56	2.85
CC92372		0.16	0.003	0.3	1.30	38	<10	150	<0.5	<2	1.35	0.5	20	24	78	3.23
CC92373		0.30	0.002	0.4	1.18	13	<10	180	<0.5	<2	0.69	0.5	14	19	49	2.59
CC92374		0.28	0.004	0.3	0.97	10	<10	130	<0.5	<2	1.10	0.5	13	16	58	2.44
CC92375		0.28	0.004	0.4	0.49	26	<10	70	<0.5	<2	0.96	0.5	8	7	36	2.23
CC92376		0.32	0.004	0.2	0.81	23	<10	120	0.5	<2	1.51	<0.5	10	11	22	3.15
CC92377		0.26	0.008	0.2	0.73	28	<10	100	0.5	<2	1.62	0.6	10	10	27	2.84
CC92378		0.26	0.007	0.3	0.62	40	<10	80	0.5	<2	1.34	0.5	10	9	34	2.75
CC92379		0.36	0.003	0.2	0.43	45	<10	60	0.5	<2	1.67	0.6	14	6	42	3.49
CC92380		0.22	0.005	0.3	0.62	29	<10	90	<0.5	<2	1.62	0.5	8	10	38	2.38
CC92381		0.22	0.006	0.5	0.71	33	<10	100	0.5	<2	1.28	<0.5	11	11	38	2.95
CC92382		0.24	0.005	0.3	0.62	40	<10	100	0.6	<2	1.52	<0.5	14	9	44	3.90
CC92383		0.42	0.002	0.3	0.55	33	<10	70	0.5	<2	1.42	0.5	10	9	40	2.74
CC92384		0.36	0.003	0.2	0.67	25	<10	70	0.6	<2	2.34	<0.5	15	9	49	3.89
CC92385		0.24	0.004	0.2	0.66	15	<10	70	0.6	<2	2.09	<0.5	13	7	25	3.89
CC92386		0.46	0.006	<0.2	0.84	14	<10	80	0.5	<2	5.29	<0.5	11	10	29	3.50
CC92387		0.42	0.004	<0.2	0.83	20	<10	90	0.6	<2	4.48	<0.5	11	11	31	3.28
CC92388		0.40	0.005	<0.2	0.78	15	<10	80	<0.5	<2	5.43	<0.5	11	10	36	3.05
CC92389		0.34	0.003	<0.2	0.60	56	<10	70	0.5	<2	2.08	<0.5	15	9	47	3.64
CC92390		0.20	0.005	0.2	1.12	40	<10	180	0.5	<2	1.05	<0.5	12	22	34	3.08
CC92391		0.34	0.008	0.3	0.89	33	<10	150	0.5	<2	1.05	0.5	11	15	36	2.80
CC92392		0.20	0.005	<0.2	1.04	33	<10	140	0.5	<2	1.35	<0.5	14	17	42	3.14
CC92393		0.30	0.004	0.2	1.13	10	<10	150	0.5	<2	1.79	<0.5	11	18	33	2.68
CC92394		0.42	0.003	<0.2	1.38	15	<10	200	<0.5	<2	0.45	<0.5	5	22	11	2.85
CC92395		0.30	0.005	<0.2	1.38	12	<10	220	<0.5	<2	1.02	0.5	8	23	17	2.51
CC92396		0.30	0.030	<0.2	1.22	16	<10	180	0.5	<2	1.00	0.7	10	21	27	2.81
CC92397		0.38	0.006	<0.2	1.18	21	<10	180	0.5	<2	1.51	0.8	11	20	26	3.00
CC92398		0.40	0.004	<0.2	1.23	12	<10	170	0.5	<2	0.49	<0.5	9	22	24	2.78
CC92399		0.30	0.004	<0.2	1.14	21	<10	210	0.5	<2	1.35	0.5	10	19	29	2.91
CC92400		0.26	0.003	<0.2	1.37	22	<10	150	0.5	<2	0.49	<0.5	13	20	26	3.16

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CERTIFICATE OF ANALYSIS VA10091018

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC92361		<10	<1	0.03	<10	3.56	657	1	0.02	3	1320	45	0.10	<2	<1	25
CC92362		<10	<1	0.05	10	3.13	838	1	0.02	6	1640	21	0.14	<2	1	33
CC92363		<10	<1	0.12	10	2.47	761	1	0.02	35	1130	29	0.07	2	2	32
CC92364		<10	<1	0.15	10	0.67	449	3	0.01	47	1010	36	0.05	4	4	19
CC92365		10	<1	0.12	10	0.85	353	2	0.02	33	290	25	0.03	<2	2	12
CC92366		<10	<1	0.12	<10	0.80	440	1	0.01	28	930	19	0.15	3	1	53
CC92367		<10	1	0.17	10	0.57	261	3	0.01	37	1300	30	0.13	<2	2	54
CC92368		<10	<1	0.13	10	0.96	422	5	0.01	64	870	11	0.19	<2	1	57
CC92369		<10	<1	0.22	10	1.44	1600	5	0.02	51	1400	40	0.13	3	2	58
CC92370		<10	<1	0.19	20	0.28	588	4	0.01	30	820	32	0.07	6	2	29
CC92371		<10	<1	0.17	10	0.42	413	3	0.01	38	970	22	0.08	<2	2	32
CC92372		<10	<1	0.23	10	0.69	509	4	0.01	57	1000	28	0.09	2	2	45
CC92373		<10	<1	0.22	10	0.55	269	3	0.01	38	790	21	0.09	<2	2	40
CC92374		<10	<1	0.17	10	0.62	338	3	0.01	37	830	20	0.11	<2	2	50
CC92375		<10	1	0.13	10	0.20	352	2	0.01	21	900	33	0.07	3	2	27
CC92376		<10	<1	0.10	10	0.33	996	1	0.01	17	810	45	0.10	<2	3	29
CC92377		<10	<1	0.13	10	0.38	736	1	0.01	19	820	42	0.10	<2	2	28
CC92378		<10	1	0.15	10	0.30	443	2	0.01	21	760	48	0.09	2	2	21
CC92379		<10	<1	0.12	10	0.67	717	1	0.01	25	590	62	0.06	<2	3	22
CC92380		<10	<1	0.16	10	0.31	423	2	0.01	20	740	42	0.10	2	2	24
CC92381		<10	<1	0.14	10	0.34	419	2	0.01	23	810	38	0.07	3	2	24
CC92382		<10	<1	0.15	10	0.41	719	1	0.01	28	570	26	0.06	2	3	28
CC92383		<10	<1	0.11	10	0.42	406	3	0.01	24	670	47	0.06	3	2	29
CC92384		<10	1	0.16	10	1.15	598	2	0.01	30	700	50	0.06	<2	3	31
CC92385		<10	<1	0.14	10	0.70	607	1	0.02	31	580	37	0.07	<2	2	34
CC92386		<10	<1	0.13	20	1.13	600	1	0.02	22	600	26	0.04	<2	3	137
CC92387		<10	1	0.11	10	0.91	572	<1	0.02	22	610	28	0.03	2	3	120
CC92388		<10	<1	0.14	10	2.80	455	1	0.02	24	690	27	0.03	<2	3	96
CC92389		<10	1	0.14	10	0.89	540	2	0.02	32	670	41	0.06	5	3	35
CC92390		<10	<1	0.13	10	0.47	568	1	0.02	37	800	34	0.06	2	3	26
CC92391		<10	<1	0.13	10	0.37	508	1	0.02	25	750	41	0.05	5	3	23
CC92392		<10	<1	0.13	10	0.52	683	1	0.02	29	1000	20	0.11	2	2	29
CC92393		<10	<1	0.18	10	0.82	541	<1	0.02	26	650	25	0.09	<2	3	27
CC92394		<10	<1	0.08	10	0.36	174	1	0.02	15	330	38	0.02	3	2	15
CC92395		<10	<1	0.09	10	0.50	444	1	0.02	19	720	29	0.05	<2	3	18
CC92396		<10	<1	0.10	10	0.52	574	1	0.02	24	1080	36	0.04	2	3	21
CC92397		<10	<1	0.12	10	0.86	766	1	0.02	25	1430	33	0.04	2	3	24
CC92398		<10	<1	0.08	10	0.44	490	1	0.02	23	1000	25	0.03	<2	3	17
CC92399		<10	<1	0.11	10	0.50	584	1	0.02	21	1040	28	0.07	<2	2	23
CC92400		<10	1	0.12	10	0.36	663	1	<0.01	23	680	28	0.05	<2	3	14

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 18-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10091018

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC92361		<20	0.01	<10	<10	14	<10	110
CC92362		<20	0.01	<10	<10	27	<10	64
CC92363		<20	0.02	<10	<10	27	<10	104
CC92364		<20	0.01	<10	<10	21	<10	123
CC92365		<20	0.12	<10	<10	59	<10	59
CC92366		<20	<0.01	<10	<10	11	<10	107
CC92367		<20	<0.01	<10	<10	16	<10	106
CC92368		<20	0.01	<10	<10	15	<10	50
CC92369		<20	<0.01	<10	<10	24	<10	104
CC92370		<20	0.01	<10	<10	21	<10	67
CC92371		<20	0.01	<10	<10	18	<10	64
CC92372		<20	0.01	<10	<10	25	<10	94
CC92373		<20	0.01	<10	<10	22	<10	64
CC92374		<20	<0.01	<10	<10	17	<10	59
CC92375		<20	<0.01	<10	<10	14	<10	102
CC92376		<20	0.01	<10	<10	20	<10	74
CC92377		<20	0.01	<10	<10	18	<10	90
CC92378		<20	0.01	<10	<10	16	<10	129
CC92379		<20	0.01	<10	<10	11	<10	130
CC92380		<20	0.01	<10	<10	16	<10	103
CC92381		<20	0.01	<10	<10	19	<10	114
CC92382		<20	0.01	<10	<10	15	<10	109
CC92383		<20	0.01	<10	<10	16	<10	159
CC92384		<20	0.01	<10	<10	16	<10	101
CC92385		<20	0.01	<10	<10	15	<10	97
CC92386		<20	0.01	<10	<10	17	<10	81
CC92387		<20	0.01	<10	<10	19	<10	59
CC92388		<20	0.01	<10	<10	17	<10	79
CC92389		<20	0.01	<10	<10	15	<10	102
CC92390		<20	0.02	<10	<10	35	<10	104
CC92391		<20	0.01	<10	<10	28	<10	99
CC92392		<20	0.01	<10	<10	28	<10	77
CC92393		<20	0.01	<10	<10	24	<10	68
CC92394		<20	0.03	<10	<10	55	<10	73
CC92395		<20	0.02	<10	<10	44	<10	81
CC92396		<20	0.02	<10	<10	39	<10	93
CC92397		<20	0.02	<10	<10	39	<10	102
CC92398		<20	0.02	<10	<10	41	<10	92
CC92399		<20	0.02	<10	<10	34	<10	98
CC92400		<20	0.02	<10	<10	40	<10	79

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10091018

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC92403		0.18	0.013	<0.2	1.54	9	<10	320	0.5	<2	1.02	1.8	14	42	36	3.13
CC92404		0.34	0.004	0.3	1.91	11	<10	440	0.6	<2	0.72	0.7	14	48	30	3.71
CC92405		0.36	0.005	0.2	1.78	11	<10	290	0.6	<2	0.87	<0.5	14	46	32	3.69
CC92443		0.18	0.004	<0.2	1.45	12	<10	180	0.5	<2	0.42	<0.5	12	22	19	3.84
CC92444		0.28	0.004	<0.2	1.02	15	<10	150	0.5	<2	0.93	<0.5	12	19	35	3.84
CC92445		0.18	0.003	<0.2	1.26	13	<10	200	0.6	<2	0.80	<0.5	12	20	30	3.83
CC92446		0.20	0.004	<0.2	1.15	11	<10	220	0.5	<2	0.91	<0.5	11	19	28	3.54
CC92447		0.18	0.004	<0.2	1.06	12	<10	190	0.5	<2	1.57	0.5	9	17	21	2.83
CC92448		0.20	0.005	<0.2	1.27	8	<10	220	0.5	<2	4.18	<0.5	11	19	33	3.02
CC92449		0.10	0.006	<0.2	1.67	9	<10	330	0.6	<2	0.70	<0.5	10	28	19	3.06
CC92450		0.14	0.004	<0.2	1.44	12	<10	260	0.6	<2	1.30	<0.5	11	24	28	3.07
CC92451		0.12	0.006	<0.2	1.18	8	<10	190	0.5	<2	1.54	<0.5	11	19	27	2.98
CC92452		0.28	0.005	0.2	0.63	10	<10	90	<0.5	<2	5.65	<0.5	10	11	28	2.41
CC92453		0.34	0.003	<0.2	0.91	10	<10	140	<0.5	<2	3.13	<0.5	11	15	27	2.93
CC92454		0.26	0.005	<0.2	1.62	12	<10	290	0.6	<2	0.50	<0.5	11	29	25	3.08
CC92455		0.20	0.004	<0.2	1.48	10	<10	320	0.6	<2	0.70	<0.5	11	24	21	3.17
CC92456		0.26	0.004	<0.2	1.55	10	<10	160	0.6	<2	4.44	<0.5	8	24	10	2.37
CC92457		0.26	0.004	<0.2	1.76	13	<10	260	0.7	<2	1.41	<0.5	10	30	14	3.04
CC92458		0.28	0.003	<0.2	1.24	11	<10	240	0.5	<2	5.29	<0.5	8	21	11	2.21
CC92459		0.28	0.004	0.3	1.22	15	<10	190	0.5	<2	7.9	<0.5	7	22	10	2.35
CC92460		0.30	0.003	0.2	0.93	6	<10	190	<0.5	<2	9.1	<0.5	7	16	14	1.78
CC92461		0.20	0.007	0.2	1.33	10	<10	660	0.5	<2	2.78	<0.5	9	23	17	2.33
CC92462		0.20	0.005	0.2	1.36	15	<10	540	0.5	<2	4.11	0.6	10	25	22	2.64
CC92463		0.26	0.003	0.3	1.08	14	<10	330	<0.5	<2	6.06	0.5	6	21	12	2.11
CC92464		0.28	0.005	0.2	1.36	13	<10	450	0.5	<2	4.55	<0.5	9	24	19	2.51
CC92465		0.20	0.007	0.3	1.23	12	<10	2580	0.5	<2	4.78	<0.5	8	22	18	2.24
CC92466		0.18	0.005	0.2	1.29	13	<10	800	0.5	<2	2.38	0.5	7	25	20	2.54
CC92467		0.22	0.005	0.2	0.77	9	<10	740	<0.5	<2	9.7	0.5	6	15	8	1.59
CC92468		0.26	0.003	<0.2	1.65	11	<10	600	0.6	<2	1.79	<0.5	10	28	18	2.87
CC92469		0.16	0.003	<0.2	1.74	11	<10	710	0.7	<2	2.89	<0.5	9	29	10	2.87
CC92470		0.24	<0.001	<0.2	1.67	16	<10	1560	0.6	<2	3.44	<0.5	9	27	8	3.06
CC92471		0.18	0.005	0.2	1.41	14	<10	1120	0.6	<2	3.48	0.7	11	25	16	2.55
CC92472		0.22	0.003	<0.2	1.85	14	<10	230	0.7	<2	0.91	<0.5	9	31	9	3.56
CC92473		0.24	0.004	<0.2	1.65	16	<10	200	0.6	<2	3.56	<0.5	8	25	9	2.69
CC92474		0.32	0.001	0.2	1.44	14	<10	240	0.6	<2	4.72	<0.5	8	24	12	2.87
CC92475		0.32	<0.001	0.2	1.28	13	<10	220	0.5	<2	7.3	<0.5	8	20	14	2.04
CC92476		0.20	0.001	0.2	1.67	14	<10	310	0.7	<2	1.49	0.7	10	29	18	2.91
CC92477		0.28	<0.001	0.2	1.54	15	<10	190	0.6	<2	3.71	<0.5	9	26	17	2.65
CC92478		0.20	0.003	<0.2	2.03	14	<10	280	0.6	<2	0.54	<0.5	12	32	19	3.44
CC92479		0.22	<0.001	<0.2	1.49	10	<10	240	0.7	<2	1.00	<0.5	12	22	24	3.65

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1016-510 W HASTINGS ST
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Project: RAU

CERTIFICATE OF ANALYSIS VA10091018

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC92403		10	<1	0.14	10	0.79	909	<1	0.01	38	940	19	0.07	<2	3	33
CC92404		10	<1	0.12	20	0.89	550	<1	0.01	42	800	29	0.03	<2	4	22
CC92405		10	<1	0.12	20	0.94	707	<1	0.01	42	1190	34	0.03	<2	4	25
CC92443		<10	1	0.11	20	0.46	708	<1	<0.01	17	530	32	0.02	<2	3	14
CC92444		<10	1	0.15	20	0.63	711	<1	<0.01	26	700	33	0.02	<2	4	19
CC92445		<10	<1	0.16	20	0.46	803	<1	<0.01	24	780	30	0.04	<2	4	20
CC92446		<10	<1	0.17	10	0.43	640	<1	0.01	22	860	31	0.06	<2	3	20
CC92447		<10	<1	0.12	10	0.52	587	<1	<0.01	16	780	32	0.06	<2	2	25
CC92448		<10	<1	0.27	20	2.75	644	<1	0.01	25	700	24	0.02	2	4	47
CC92449		10	<1	0.13	20	0.55	645	<1	0.02	21	770	21	0.04	<2	4	23
CC92450		<10	<1	0.14	10	0.59	717	<1	0.01	24	900	22	0.07	<2	3	26
CC92451		<10	1	0.15	20	0.78	647	<1	0.01	22	860	20	0.05	<2	3	26
CC92452		<10	<1	0.13	20	3.50	479	<1	0.01	18	590	18	0.02	<2	3	60
CC92453		<10	<1	0.12	20	1.96	514	<1	0.01	20	760	20	0.02	<2	3	38
CC92454		<10	<1	0.12	20	0.59	552	<1	0.01	27	710	20	0.01	<2	5	24
CC92455		<10	<1	0.12	20	0.49	698	<1	0.01	22	1010	20	0.05	<2	3	22
CC92456		<10	<1	0.08	10	2.90	552	<1	0.01	15	660	26	0.03	2	3	100
CC92457		<10	<1	0.10	10	1.10	612	<1	0.01	20	610	20	0.03	<2	3	34
CC92458		<10	<1	0.08	10	3.23	563	<1	0.01	14	700	19	0.03	<2	3	66
CC92459		<10	1	0.07	10	4.87	571	<1	0.01	14	1080	28	0.05	<2	2	64
CC92460		<10	<1	0.11	10	5.43	479	<1	0.01	16	720	20	0.02	<2	3	82
CC92461		<10	<1	0.09	10	1.18	575	<1	0.01	17	920	19	0.08	<2	2	33
CC92462		<10	1	0.11	10	2.35	661	<1	0.02	22	1120	28	0.06	<2	3	42
CC92463		<10	<1	0.11	10	3.66	612	<1	0.01	14	840	25	0.04	<2	2	59
CC92464		10	1	0.10	10	2.83	541	<1	0.02	19	980	26	0.04	<2	3	51
CC92465		<10	1	0.10	10	2.48	523	<1	0.03	17	1050	27	0.13	<2	2	61
CC92466		<10	<1	0.10	10	0.86	581	<1	0.02	19	1530	35	0.11	3	2	32
CC92467		<10	<1	0.07	10	5.89	314	<1	0.01	11	810	18	0.05	2	2	86
CC92468		<10	<1	0.09	10	0.73	663	<1	0.01	21	1090	26	0.08	<2	2	27
CC92469		10	1	0.09	10	1.54	571	<1	0.02	18	1100	29	0.07	<2	2	32
CC92470		<10	<1	0.08	10	2.01	654	<1	0.02	15	760	31	0.07	<2	3	37
CC92471		<10	<1	0.08	10	1.73	641	<1	0.01	20	1150	30	0.07	<2	3	35
CC92472		10	<1	0.07	10	0.77	681	<1	0.01	18	430	27	0.03	<2	4	16
CC92473		<10	<1	0.07	10	2.25	839	<1	0.01	15	840	42	0.04	4	2	38
CC92474		<10	<1	0.08	10	3.05	628	<1	0.01	17	740	35	0.02	<2	3	40
CC92475		<10	<1	0.09	10	4.60	536	<1	0.02	17	580	47	0.02	2	3	96
CC92476		<10	<1	0.11	20	1.10	628	<1	0.02	23	1010	74	0.03	<2	4	38
CC92477		<10	<1	0.09	10	2.47	587	<1	0.01	20	960	32	0.03	<2	3	61
CC92478		10	<1	0.12	20	0.58	843	<1	0.01	22	540	25	0.03	<2	4	21
CC92479		<10	<1	0.12	20	0.64	932	<1	0.01	23	680	24	0.05	<2	4	24

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VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 18-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10091018

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC92403		<20	0.06	<10	<10	52	<10	104
CC92404		<20	0.06	<10	<10	60	<10	116
CC92405		<20	0.05	<10	<10	59	<10	114
CC92443		<20	0.02	<10	<10	41	<10	70
CC92444		<20	0.02	<10	<10	30	<10	106
CC92445		<20	0.02	<10	<10	35	<10	104
CC92446		<20	0.01	<10	<10	32	<10	130
CC92447		<20	0.02	<10	<10	31	<10	106
CC92448		<20	0.03	<10	<10	34	<10	93
CC92449		<20	0.03	<10	<10	52	<10	87
CC92450		<20	0.02	<10	<10	42	<10	100
CC92451		<20	0.02	<10	<10	34	<10	98
CC92452		<20	0.02	<10	<10	20	<10	67
CC92453		<20	0.02	<10	<10	26	<10	77
CC92454		<20	0.04	<10	<10	52	<10	84
CC92455		<20	0.02	<10	<10	44	<10	108
CC92456		<20	0.03	<10	<10	52	<10	85
CC92457		<20	0.03	<10	<10	57	<10	86
CC92458		<20	0.03	<10	<10	44	<10	84
CC92459		<20	0.02	<10	<10	43	<10	108
CC92460		<20	0.03	<10	<10	36	<10	80
CC92461		<20	0.03	<10	<10	46	<10	103
CC92462		<20	0.02	<10	<10	46	<10	189
CC92463		<20	0.03	<10	<10	38	<10	99
CC92464		<20	0.03	<10	<10	45	<10	108
CC92465		<20	0.02	<10	<10	40	<10	115
CC92466		<20	0.02	<10	<10	43	<10	196
CC92467		<20	0.02	<10	<10	29	<10	178
CC92468		<20	0.02	<10	<10	51	<10	121
CC92469		<20	0.02	<10	<10	51	<10	124
CC92470		<20	0.03	<10	<10	55	<10	149
CC92471		<20	0.03	<10	<10	46	<10	199
CC92472		<20	0.03	<10	<10	57	<10	78
CC92473		<20	0.02	<10	<10	50	<10	142
CC92474		<20	0.03	<10	<10	50	<10	96
CC92475		<20	0.03	<10	<10	45	<10	100
CC92476		<20	0.04	<10	<10	56	<10	128
CC92477		<20	0.03	<10	<10	50	<10	110
CC92478		<20	0.03	<10	<10	66	<10	95
CC92479		<20	0.02	<10	<10	43	<10	81

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 18-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10091018

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC92480		0.16	<0.001	<0.2	1.97	8	<10	360	0.6	<2	1.16	<0.5	11	31	18	3.18
CC92481		0.22	<0.001	<0.2	2.29	9	<10	350	0.6	<2	0.61	<0.5	9	34	11	3.02
CC92482		0.26	<0.001	0.3	1.67	16	<10	220	0.6	<2	3.05	<0.5	8	28	13	2.87
CC92483		0.18	0.003	<0.2	1.60	15	<10	170	0.5	<2	1.24	<0.5	7	27	8	2.86
CC92484		0.20	0.006	<0.2	1.22	14	<10	150	0.6	<2	1.87	<0.5	10	20	24	3.57
CC92485		0.24	0.002	<0.2	0.95	13	<10	140	<0.5	<2	1.29	<0.5	15	12	45	4.99
CC92486		0.26	0.001	<0.2	1.47	24	<10	230	0.6	<2	1.15	<0.5	13	26	36	3.69
CC92487		0.28	0.001	<0.2	1.80	15	<10	300	0.7	<2	1.74	<0.5	13	30	39	3.44
CC92488		0.30	0.002	<0.2	2.09	14	<10	290	0.8	<2	0.35	<0.5	13	36	31	3.79
CC92489		0.36	0.002	0.2	1.67	10	<10	270	0.6	<2	3.67	<0.5	11	28	39	3.00
CC92490		0.24	<0.001	<0.2	1.60	8	<10	280	0.6	<2	0.76	<0.5	10	28	23	2.81
CC92491		0.22	<0.001	<0.2	1.44	13	<10	210	0.6	<2	2.04	<0.5	11	25	33	3.23
CC92492		0.18	0.003	<0.2	1.50	18	<10	150	0.6	<2	0.47	<0.5	16	22	50	4.57
CC92493		0.20	0.001	<0.2	1.29	7	<10	130	0.5	<2	1.90	<0.5	14	16	44	4.80
CC92494		0.16	<0.001	<0.2	1.59	10	<10	240	0.7	<2	1.05	<0.5	12	20	34	4.44
CC92495		0.22	0.002	<0.2	1.09	11	<10	110	0.5	<2	0.72	<0.5	12	15	26	3.46
CC92496		0.18	<0.001	<0.2	0.96	7	<10	160	0.6	<2	1.67	<0.5	11	13	37	2.63
CC92497		0.26	<0.001	<0.2	0.61	4	<10	90	<0.5	<2	5.99	<0.5	9	8	37	1.83
CC92498		0.18	<0.001	<0.2	1.54	9	<10	160	0.6	<2	1.10	<0.5	11	20	29	3.53
CC92499		0.24	0.001	<0.2	1.91	7	<10	120	0.5	<2	1.98	<0.5	12	20	38	5.10
CC92500		0.24	0.002	<0.2	0.97	7	<10	60	<0.5	<2	6.19	<0.5	9	9	27	3.09
CC92939		0.18	0.002	<0.2	2.79	11	<10	160	0.5	<2	1.20	<0.5	40	29	36	6.97
CC92940		0.10	<0.001	<0.2	2.00	9	<10	200	0.6	<2	1.90	<0.5	21	77	43	4.17
CC92992		0.22	0.001	<0.2	2.15	9	<10	290	0.5	<2	1.32	<0.5	23	99	44	4.69
CC92993		0.14	0.001	<0.2	1.78	11	<10	290	0.6	<2	1.82	<0.5	19	63	41	5.16
CC92994		0.14	<0.001	<0.2	1.51	10	<10	210	0.5	<2	1.80	<0.5	15	50	36	3.33
CC92995		0.18	<0.001	<0.2	2.15	6	<10	220	0.6	<2	2.62	<0.5	23	141	54	3.85
CC92996		0.16	<0.001	0.2	1.93	8	<10	230	0.5	<2	3.51	<0.5	16	41	45	3.69
CC92997		0.26	0.001	<0.2	2.49	18	<10	380	1.0	<2	1.76	<0.5	18	53	45	4.19
CC92998		0.12	<0.001	0.3	1.24	3	<10	200	<0.5	<2	2.37	<0.5	12	33	46	2.31
CC92999		0.16	NSS	1.2	1.38	16	<10	220	0.5	<2	2.12	0.5	6	33	71	2.28
CC93000		0.08	0.010	0.4	1.69	4	<10	290	0.5	<2	3.52	1.0	17	20	125	3.30

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

CERTIFICATE OF ANALYSIS VA10091018

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC92480		10	<1	0.11	10	0.58	1080	<1	0.02	19	860	19	0.06	<2	4	31
CC92481		10	<1	0.09	10	0.58	527	<1	0.01	17	350	25	0.02	<2	4	23
CC92482		<10	<1	0.10	10	2.02	744	<1	0.02	19	600	100	0.02	6	4	34
CC92483		<10	<1	0.11	10	0.91	481	<1	0.01	17	350	45	0.02	2	4	16
CC92484		<10	<1	0.18	20	1.25	751	<1	0.01	21	680	41	0.03	3	5	25
CC92485		<10	<1	0.17	20	0.76	826	<1	<0.01	22	780	23	0.02	<2	4	24
CC92486		<10	<1	0.16	20	0.82	573	<1	0.01	27	560	21	0.03	<2	4	25
CC92487		10	<1	0.16	20	1.35	784	<1	0.01	32	840	25	0.03	<2	5	31
CC92488		10	<1	0.18	20	0.82	800	<1	0.01	34	390	32	0.01	<2	6	16
CC92489		<10	<1	0.16	20	2.50	721	<1	0.01	28	660	26	0.02	<2	5	47
CC92490		<10	<1	0.10	20	0.61	570	<1	0.01	24	780	16	0.03	<2	4	25
CC92491		<10	<1	0.16	20	1.39	708	<1	0.01	28	680	22	0.02	<2	4	29
CC92492		<10	<1	0.17	20	0.89	757	<1	<0.01	30	390	25	0.02	<2	5	14
CC92493		<10	<1	0.21	20	1.38	809	<1	<0.01	24	660	25	0.03	<2	4	30
CC92494		<10	<1	0.18	10	0.76	748	<1	0.01	18	720	18	0.05	<2	4	24
CC92495		<10	<1	0.15	20	0.59	573	<1	<0.01	20	640	28	0.04	<2	2	14
CC92496		<10	<1	0.30	10	0.54	383	<1	<0.01	19	740	16	0.06	<2	2	21
CC92497		<10	<1	0.28	10	2.00	297	<1	<0.01	12	960	14	0.04	<2	2	68
CC92498		<10	<1	0.21	20	0.83	648	<1	<0.01	19	720	24	0.05	<2	3	21
CC92499		10	<1	0.17	20	1.85	652	<1	<0.01	17	530	23	0.02	<2	4	23
CC92500		<10	<1	0.20	20	2.45	556	<1	<0.01	11	510	20	0.02	<2	2	49
CC92939		10	<1	0.16	20	1.24	575	1	<0.01	39	2380	11	0.05	<2	5	52
CC92940		10	<1	0.16	10	1.19	871	<1	0.01	48	1140	14	0.10	<2	5	62
CC92992		10	1	0.15	20	1.14	1405	<1	<0.01	79	1340	16	0.04	<2	6	37
CC92993		10	1	0.21	20	0.97	757	1	0.02	40	1700	17	0.13	<2	4	121
CC92994		<10	<1	0.12	10	0.86	764	<1	<0.01	40	960	15	0.08	<2	3	44
CC92995		10	1	0.13	10	1.89	727	<1	0.01	61	1200	14	0.09	<2	6	61
CC92996		10	<1	0.22	20	2.50	820	<1	0.01	30	1040	22	0.05	<2	5	51
CC92997		10	1	0.25	20	1.59	736	<1	0.01	42	930	32	0.03	<2	7	33
CC92998		<10	<1	0.12	10	0.63	518	<1	0.01	22	1040	11	0.14	<2	3	85
CC92999		<10	1	0.38	10	0.46	215	7	0.01	26	5740	12	0.08	3	3	84
CC93000		<10	1	0.13	20	1.06	884	<1	0.02	40	1520	10	0.15	<2	3	103

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 18-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10091018

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC92480		<20	0.03	<10	<10	61	<10	76
CC92481		<20	0.04	<10	<10	75	<10	119
CC92482		<20	0.04	<10	<10	68	<10	211
CC92483		<20	0.05	<10	<10	61	<10	195
CC92484		<20	0.02	<10	<10	39	<10	184
CC92485		<20	0.01	<10	<10	22	<10	92
CC92486		<20	0.02	<10	<10	46	<10	91
CC92487		<20	0.03	<10	<10	61	<10	115
CC92488		<20	0.05	<10	<10	72	<10	133
CC92489		<20	0.04	<10	<10	55	<10	109
CC92490		<20	0.03	<10	<10	53	<10	84
CC92491		<20	0.04	<10	<10	49	<10	118
CC92492		<20	0.02	<10	<10	34	<10	70
CC92493		<20	0.01	<10	<10	26	<10	70
CC92494		<20	0.01	<10	<10	31	<10	83
CC92495		<20	0.01	<10	<10	26	<10	97
CC92496		<20	0.01	<10	<10	16	<10	73
CC92497		<20	0.01	<10	<10	8	<10	50
CC92498		<20	0.01	<10	<10	29	<10	87
CC92499		<20	0.01	<10	<10	26	<10	66
CC92500		<20	<0.01	<10	<10	11	<10	54
CC92939		<20	0.02	<10	<10	66	<10	144
CC92940		<20	0.04	<10	<10	65	<10	102
CC92992		<20	0.04	<10	<10	58	<10	101
CC92993		<20	0.04	<10	<10	68	<10	83
CC92994		<20	0.04	<10	<10	51	<10	88
CC92995		<20	0.09	<10	<10	93	<10	90
CC92996		<20	0.06	<10	<10	63	<10	104
CC92997		<20	0.07	<10	<10	77	<10	114
CC92998		<20	0.03	<10	<10	41	<10	55
CC92999		<20	0.03	<10	<10	85	<10	168
CC93000		<20	0.07	<10	<10	57	<10	120

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 18-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10091018

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non-sufficient sample.

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
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Finalized Date: 18-JUL-2010
This copy reported on 28-JUL-2010
Account: RCM

CERTIFICATE VA10093147

Project: VA10073649

P.O. No.:

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 8-JUL-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 18-JUL-2010
Account: RCM

Project: VA10073649

CERTIFICATE OF ANALYSIS VA10093147

Sample Description	Method Analyte Units LOR	Au-AA26 Au ppm 0.01
I074537		0.01
I074538		0.01
I074539		<0.01
I074540		<0.01
I074541		<0.01
I074542		<0.01
I074543		<0.01
I074544		<0.01
I074545		<0.01
I074546		<0.01
I074547		2.27
I074548		<0.01
I074549		<0.01
I074550		<0.01
I074551		0.01
I074552		0.03
I074553		0.01
I074554		0.01
I074555		0.21
I074556		<0.01
I074557		0.01
I074558		<0.01
I074559		<0.01
I074560		0.46
I074561		<0.01
I074562		<0.01
I074563		0.01
I074564		<0.01
I074565		<0.01
I074566		0.01
I074567		<0.01
I074568		<0.01
I074569		<0.01
I074570		<0.01
I074571		0.01
I074572		<0.01

Comments: **RE-ANALYSIS DATA FOR SAMPLES ORIGINALLY REPORTED ON CERTIFICATE VA10073649**

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 24-JUL-2010
Account: RCM

CERTIFICATE VA10094048

Project: RAU

P.O. No.: BATCH 35

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 12-JUL-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LOG-23	Pulp Login - Rcvd with Barcode
CRU-31	Fine crushing - 70% <2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

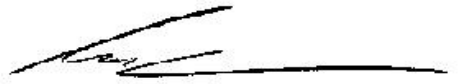
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:



Colin Ramshaw, Vancouver Laboratory Manager

ALS Chemex
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Project: RAU

Finalized Date: 24-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10094048

Method	WEI-21	Au-AA26	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description LOR	0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
I075725	2.34	0.01	0.29	6.98	6.3	1530	0.84	10.75	1.93	0.30	34.3	40.7	219	27.6	89.4
I075726	5.74	0.01	0.14	6.64	3.9	1190	0.73	0.59	6.35	0.06	24.6	52.6	200	39.2	119.5
I075727	4.02	0.02	0.18	5.92	62.8	270	0.90	3.61	8.40	0.31	22.5	56.3	172	29.8	97.7
I075728	1.90	0.02	0.18	5.73	55.7	230	0.95	3.27	8.63	0.13	20.9	55.6	165	29.1	96.2
I075729	5.34	0.03	0.20	0.38	41	90	0.13	2.21	18.75	0.06	4.27	19.7	9	3.34	117.0
I075730	3.62	<0.01	0.08	1.43	48	180	0.47	4.78	17.85	0.03	8.33	22.7	41	17.75	13.0
I075731	3.14	0.02	0.32	1.99	99	150	0.65	22.2	14.10	0.03	17.35	13.9	65	25.7	13.6
I075732	1.24	0.01	0.21	0.17	11.1	20	<0.05	256	9.03	0.05	61.9	2.7	3	2.11	90.0
I075733	0.28	4.12	0.21	0.09	>10000	20	<0.05	222	10.05	0.07	7.02	1.3	8	0.62	25.6
I075734	1.36	0.01	0.11	0.11	10	20	0.09	25.7	16.55	0.02	5.44	1.1	3	1.61	32.3
I075735	4.72	<0.01	0.03	0.05	6	20	0.09	1.89	20.4	0.03	5.32	0.8	<1	0.67	4.6
I075736	1.66	0.01	0.08	0.07	17	40	0.46	4.38	16.00	0.04	>500	2.0	<1	0.88	13.5
I075737	5.24	<0.01	0.04	0.12	9	30	0.18	1.61	19.60	0.02	8.83	1.2	<1	1.16	4.8
I075738	5.60	<0.01	0.04	0.15	6	20	0.15	97.8	19.20	0.04	10.10	1.0	1	1.37	4.5
I075739	1.46	0.01	0.05	0.10	12	20	0.12	0.98	20.3	0.06	6.54	1.4	1	0.68	1.5
I075740	1.42	<0.01	0.07	0.16	144	30	0.19	4.58	19.70	0.17	6.76	2.8	<1	0.72	2.4
I075741	1.72	0.01	0.03	0.07	25	20	0.15	1.19	20.5	0.33	5.54	1.6	<1	0.29	1.8
I075742	1.22	0.01	0.15	0.11	704	20	0.07	103.0	10.20	0.15	5.31	1.6	<1	0.94	4.8
I075743	4.14	<0.01	0.01	0.07	<5	10	0.08	0.11	20.7	0.06	1.37	1.1	1	0.18	1.7
I075744	3.42	<0.01	0.04	0.06	29	20	0.14	9.12	19.85	0.14	4.77	1.2	<1	0.40	3.0
I075745	2.08	0.01	0.07	0.07	89	20	0.66	3.70	19.50	1.44	5.14	1.7	1	0.36	3.7
I075746	5.24	0.01	0.10	0.06	113	20	0.16	4.16	19.60	1.18	5.86	1.6	<1	0.26	1.5
I075747	5.58	<0.01	0.04	0.10	25	30	0.17	1.10	20.0	0.37	4.09	1.0	1	0.44	2.0
I075748	5.24	0.04	0.13	1.46	19	110	0.67	5.24	18.15	0.06	15.95	3.6	17	1.85	4.3
I075749	5.58	0.07	0.11	1.89	23	220	0.64	8.86	17.75	0.03	25.9	5.3	43	4.07	4.6
I075750	1.20	0.22	0.27	1.49	228	130	0.37	34.0	11.70	0.03	6.10	6.6	36	4.29	7.9
I075751	3.58	0.08	0.24	2.31	44	250	0.72	17.15	16.10	0.03	17.75	11.7	55	9.40	11.5
I075752	1.64	0.37	0.62	1.87	447	100	0.41	58.8	6.41	0.03	5.82	11.8	63	7.72	11.5
I075753	0.28	2.91	0.74	0.16	1350	20	0.25	98.0	14.40	1.45	11.30	1.6	11	0.99	31.1
I075754	3.38	0.04	0.29	1.27	25	130	1.00	21.5	17.50	0.05	8.42	7.1	34	4.88	9.6
I075755	4.34	0.01	<0.01	0.07	<5	20	0.08	0.15	19.90	0.07	1.37	1.2	<1	0.14	1.6
I075756	2.22	0.02	0.49	1.08	29.1	70	0.35	80.9	4.89	0.06	8.63	16.6	27	6.21	44.5
I075757	1.56	0.10	0.83	1.78	131	230	0.69	25.7	16.00	0.12	8.31	13.6	49	5.46	8.8
I075758	3.72	0.16	2.33	1.44	443	150	0.65	61.0	11.80	0.55	21.2	35.3	30	4.69	12.5
I075759	1.64	0.03	4.26	6.58	227	340	2.63	297	6.75	0.73	52.0	5.7	82	17.30	44.2
I075760	2.94	0.34	4.18	2.27	476	120	0.80	376	1.27	0.12	4.48	36.0	44	4.04	45.4

***** See Appendix Page for comments regarding this certificate *****

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CERTIFICATE OF ANALYSIS VA10094048

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I075725		8.87	26.5	0.24	1.3	0.025	4.60	13.1	33.8	3.84	298	0.28	0.17	5.7	220	810
I075726		6.07	19.35	0.20	0.8	0.043	4.26	12.7	51.0	3.99	591	0.47	0.08	9.6	190.5	740
I075727		6.81	17.60	0.17	0.9	0.032	3.78	11.4	39.1	4.80	410	0.86	0.06	7.6	189.5	640
I075728		6.52	17.80	0.13	0.8	0.029	3.70	10.5	44.9	4.95	430	0.95	0.06	6.5	174.0	650
I075729		3.04	1.42	0.10	0.1	0.049	0.24	2.3	5.3	10.70	803	1.49	0.01	0.6	32.7	40
I075730		2.76	5.90	0.10	0.4	0.013	1.25	4.4	12.4	10.45	729	1.11	0.02	1.7	46.0	160
I075731		5.16	12.45	0.14	0.6	0.011	1.90	8.6	15.4	10.10	627	0.40	0.02	2.6	63.0	240
I075732		23.0	1.69	0.26	0.1	0.039	0.09	43.7	2.2	6.91	706	0.29	0.01	0.4	35.3	30
I075733		21.5	0.81	0.30	0.1	0.141	0.05	2.7	1.5	5.47	1840	5.23	<0.01	1.2	7.8	80
I075734		7.99	1.05	0.12	0.1	0.014	0.09	3.4	4.7	10.20	541	0.19	0.01	0.3	10.0	10
I075735		1.12	0.46	0.09	<0.1	0.008	0.04	3.8	4.3	12.35	494	0.13	0.01	0.1	1.0	20
I075736		3.38	7.64	0.98	0.1	0.019	0.05	1160	3.6	9.99	689	0.18	0.01	0.1	4.0	1280
I075737		1.42	0.93	0.09	<0.1	0.015	0.07	5.3	4.4	12.00	579	0.26	0.02	0.2	1.7	10
I075738		1.00	1.39	0.10	<0.1	0.011	0.09	6.2	3.6	11.80	581	0.48	0.01	0.3	2.3	20
I075739		0.52	0.97	0.21	<0.1	0.014	0.03	3.7	4.2	12.40	700	2.00	0.02	0.2	4.1	20
I075740		2.64	1.39	0.09	0.1	0.009	0.02	3.7	4.0	12.15	618	4.19	0.02	0.3	9.0	20
I075741		0.55	0.70	0.20	<0.1	0.009	0.01	3.2	4.3	12.30	509	4.20	0.01	0.2	3.1	20
I075742		16.55	0.97	0.26	<0.1	0.012	0.05	2.8	2.4	7.18	273	2.12	0.01	0.3	2.9	10
I075743		0.42	0.52	0.36	<0.1	<0.005	0.03	0.7	1.3	12.50	193	0.06	0.01	0.3	1.0	170
I075744		1.03	0.70	0.15	<0.1	0.016	0.02	2.7	4.6	12.20	667	2.69	0.01	0.2	2.5	20
I075745		1.60	1.14	0.36	<0.1	0.012	0.02	3.2	4.3	12.15	670	1.03	0.02	0.2	5.6	10
I075746		1.66	0.55	0.09	<0.1	0.011	0.01	4.0	4.5	12.05	699	1.30	0.02	0.2	6.0	20
I075747		0.47	0.82	0.25	<0.1	0.011	0.02	3.1	4.7	12.25	496	0.99	0.02	0.2	2.6	20
I075748		1.62	5.30	0.11	0.8	0.050	0.72	9.1	9.6	10.30	860	0.47	0.01	8.5	8.2	150
I075749		1.69	6.41	0.11	0.7	0.012	1.12	13.2	16.2	10.30	756	0.43	0.01	10.4	13.1	460
I075750		12.00	6.00	0.20	0.7	0.011	0.71	2.7	9.6	7.59	587	0.43	0.02	6.0	19.0	210
I075751		3.16	9.80	0.11	0.9	0.012	1.55	9.6	14.6	9.33	669	0.64	0.02	7.1	31.1	490
I075752		21.4	9.50	0.36	0.8	0.007	0.81	1.9	8.9	4.72	239	0.75	0.03	8.9	25.7	380
I075753		9.90	1.15	0.20	0.1	0.042	0.08	5.5	3.9	8.02	1680	4.64	0.01	1.2	10.7	70
I075754		3.11	6.97	0.28	0.7	0.006	0.82	4.2	7.3	10.75	862	0.49	0.01	5.3	12.7	160
I075755		0.41	0.47	0.24	<0.1	<0.005	0.03	0.7	1.3	12.10	183	0.07	0.01	0.3	1.2	220
I075756		18.35	7.72	0.27	0.6	0.059	0.55	2.6	8.1	5.07	650	0.54	0.01	5.8	34.0	330
I075757		5.15	9.09	0.08	1.0	0.024	1.05	3.9	9.0	9.02	1030	0.77	0.02	9.2	25.4	320
I075758		13.40	7.53	0.24	0.9	0.199	0.85	10.7	6.6	6.93	2050	0.63	0.01	7.4	50.5	340
I075759		12.30	39.6	0.26	4.7	0.660	3.43	25.0	22.7	4.72	2950	1.89	0.08	56.1	26.9	1930
I075760		30.0	13.45	0.53	1.1	0.188	1.21	1.7	8.5	1.25	785	0.63	0.03	10.3	69.7	490

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	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I075725		5.7	411	<0.002	5.67	0.31	25.2	3	8.3	70.8	0.29	0.16	1.9	0.307	3.20	1.0
I075726		1.4	302	0.002	1.94	0.49	22.9	1	8.2	54.1	0.49	0.09	1.6	0.523	2.92	0.3
I075727		8.7	209	<0.002	6.20	0.83	19.7	2	6.0	42.9	0.41	<0.05	1.5	0.378	2.25	0.9
I075728		3.4	206	<0.002	5.77	0.81	20.1	1	5.6	46.3	0.35	<0.05	1.5	0.339	2.24	0.9
I075729		3.0	17.4	0.002	3.51	1.14	1.6	1	15.4	83.5	<0.05	<0.05	0.3	0.025	0.26	1.3
I075730		1.8	199.0	0.002	3.25	0.66	4.7	1	1.4	60.7	0.08	0.07	0.6	0.088	1.36	1.2
I075731		2.9	407	<0.002	5.10	0.50	6.0	2	3.0	70.5	0.19	0.24	0.7	0.144	2.12	3.0
I075732		3.5	25.1	0.002	>10.0	1.67	0.8	6	0.6	26.7	<0.05	0.64	0.4	0.009	0.17	5.8
I075733		7.0	6.9	0.003	>10.0	21.5	0.2	4	1.8	68.4	0.06	0.67	0.2	0.007	0.11	0.3
I075734		2.3	21.9	<0.002	5.64	0.40	0.6	3	0.3	41.7	<0.05	0.14	<0.2	0.006	0.12	0.6
I075735		2.1	8.5	<0.002	0.70	0.15	0.4	2	0.2	53.2	<0.05	<0.05	<0.2	<0.005	0.05	0.3
I075736		3.2	9.3	0.025	1.89	0.20	1.3	3	8.2	87.9	<0.05	<0.05	21.6	<0.005	0.36	27.2
I075737		2.0	15.4	0.002	0.99	0.15	0.5	1	0.4	63.2	<0.05	<0.05	0.2	0.005	0.08	1.4
I075738		2.1	19.7	0.004	0.61	1.02	0.6	2	0.3	51.4	<0.05	0.08	0.2	0.008	0.13	1.4
I075739		3.1	7.2	0.013	0.29	0.37	0.5	2	0.4	61.9	<0.05	<0.05	<0.2	0.005	0.09	1.8
I075740		2.5	4.9	0.021	2.68	0.59	0.4	2	0.4	52.8	<0.05	0.05	0.2	0.007	0.15	2.1
I075741		3.2	1.3	0.021	0.10	1.84	0.3	1	0.2	47.0	<0.05	<0.05	<0.2	<0.005	0.25	1.7
I075742		2.9	12.7	0.020	>10.0	7.04	0.5	8	0.5	27.5	<0.05	0.38	0.2	<0.005	0.20	1.7
I075743		1.3	1.6	<0.002	0.01	0.42	0.3	2	<0.2	47.1	<0.05	<0.05	<0.2	<0.005	<0.02	0.4
I075744		2.9	4.0	0.016	0.18	1.72	0.3	2	0.3	54.4	<0.05	<0.05	<0.2	<0.005	0.24	1.6
I075745		7.6	2.8	0.013	0.14	4.50	0.8	3	8.7	54.4	<0.05	<0.05	<0.2	<0.005	0.17	0.9
I075746		6.6	1.0	0.007	0.15	1.70	0.3	2	0.3	57.3	<0.05	0.13	<0.2	<0.005	0.23	0.7
I075747		6.7	3.6	0.009	0.05	0.92	0.4	1	0.3	59.9	<0.05	<0.05	0.2	<0.005	0.12	0.4
I075748		3.7	44.8	<0.002	1.46	1.05	3.3	2	1.5	60.1	0.49	<0.05	1.8	0.125	0.36	0.8
I075749		2.3	46.6	<0.002	1.57	0.96	4.2	1	1.4	61.6	0.56	<0.05	1.9	0.178	0.56	0.9
I075750		2.9	41.4	<0.002	>10.0	1.76	2.7	5	1.3	40.6	0.34	0.13	1.1	0.119	0.38	1.0
I075751		1.9	101.5	<0.002	3.26	1.05	5.4	1	1.9	57.5	0.38	0.06	2.0	0.162	0.87	1.1
I075752		4.9	68.8	<0.002	>10.0	2.24	3.4	9	2.7	27.2	0.50	0.19	1.6	0.178	0.57	1.2
I075753		106.5	10.9	0.021	>10.0	4.99	2.0	4	10.4	77.2	<0.05	<0.05	0.5	0.011	0.41	0.2
I075754		3.4	66.7	0.005	2.42	1.68	2.9	3	9.7	55.7	0.29	0.16	1.0	0.108	0.49	1.0
I075755		1.3	1.4	<0.002	0.02	<0.05	0.3	1	<0.2	50.1	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
I075756		4.6	77.5	<0.002	>10.0	2.09	3.5	6	4.1	18.6	0.29	0.46	1.2	0.093	0.41	1.3
I075757		6.4	81.0	<0.002	5.82	2.29	3.2	2	3.3	58.4	0.54	0.23	1.9	0.172	0.57	2.1
I075758		13.7	75.3	0.003	>10.0	2.87	3.8	4	7.7	54.7	0.41	0.32	1.8	0.119	0.43	2.1
I075759		20.9	317	0.002	7.04	5.66	8.1	5	28.6	38.7	3.41	0.53	8.8	0.709	1.39	20.8
I075760		22.4	77.5	<0.002	>10.0	15.10	3.6	19	6.5	9.5	0.57	0.51	2.6	0.162	0.44	2.9

***** See Appendix Page for comments regarding this certificate *****

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Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 24-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10094048

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	As-OG62
	Analyte	V	W	Y	Zn	Zr	As
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
I075725		140	4.8	13.3	108	57.0	
I075726		147	2.2	16.1	52	29.3	
I075727		117	2.9	15.3	108	34.8	
I075728		115	3.0	15.1	46	32.3	
I075729		10	0.7	5.1	13	5.3	
I075730		26	1.0	5.0	11	17.4	
I075731		45	2.7	7.3	18	21.7	
I075732		8	18.4	9.0	10	2.1	
I075733		3	258	5.3	13	3.7	6.08
I075734		5	7.4	5.0	4	1.4	
I075735		3	1.0	5.3	5	0.6	
I075736		9	2450	14.8	12	0.8	
I075737		7	8.7	2.7	6	1.6	
I075738		9	13.4	4.0	8	1.9	
I075739		10	5.1	2.8	17	1.6	
I075740		11	6.1	2.4	29	2.3	
I075741		7	4.6	1.9	87	1.2	
I075742		8	3.3	2.9	51	0.8	
I075743		2	0.6	0.9	14	<0.5	
I075744		7	4.2	3.3	30	0.7	
I075745		7	2.4	3.2	252	1.9	
I075746		8	2.0	3.6	261	1.3	
I075747		12	1.9	3.5	112	1.4	
I075748		19	2.1	6.2	16	33.8	
I075749		24	2.5	8.8	10	33.1	
I075750		27	1.8	5.3	7	26.8	
I075751		37	2.7	7.2	12	40.1	
I075752		36	4.4	6.7	9	31.6	
I075753		9	2000	5.9	340	3.3	
I075754		20	2.3	5.2	9	27.2	
I075755		2	0.3	0.9	15	<0.5	
I075756		21	3.3	8.0	15	24.2	
I075757		32	3.5	6.0	19	40.7	
I075758		28	3.1	7.8	104	41.0	
I075759		117	21.4	18.2	127	199.0	
I075760		38	6.4	3.6	21	44.3	

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 24-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10094048

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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Finalized Date: 23-JUL-2010
Account: RCM

CERTIFICATE VA10094049

Project: RAU

P.O. No.: BATCH 37

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 12-JUL-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

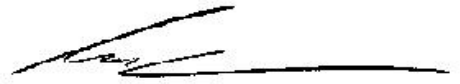
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Project: RAU

Finalized Date: 23-JUL-2010
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CERTIFICATE OF ANALYSIS VA10094049

Method	WEI-21	Au-AA26	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description LOR	0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
I075797	1.98	0.28	3.98	0.16	1880	20	0.11	99.9	17.80	0.31	11.55	0.8	1	0.61	13.7
I075798	0.28	2.56	0.70	0.15	1600	20	0.15	93.2	13.60	1.58	11.35	1.4	11	0.97	29.4
I075799	2.76	0.12	0.19	1.42	400	110	0.23	46.2	11.05	0.08	10.40	2.3	8	1.31	9.3
I075800	1.02	0.20	0.24	0.28	593	40	0.07	105.0	11.95	0.03	5.60	1.3	2	1.17	8.3
I075801	2.80	0.02	0.13	0.18	135	30	0.11	18.20	18.55	0.05	5.41	0.9	2	0.53	4.2
I075802	3.16	0.09	0.29	0.76	410	130	0.21	124.5	11.15	0.03	5.82	1.6	6	2.34	9.0
I075803	2.26	0.06	0.59	0.13	261	20	0.27	56.3	3.94	0.06	4.23	0.5	18	0.53	7.4
I075804	1.82	0.07	0.23	0.21	191	10	0.07	30.0	17.75	0.07	7.58	0.9	2	0.42	7.2
I075805	3.34	0.03	0.22	0.65	180	70	0.27	12.30	17.30	0.15	5.54	2.0	4	1.48	4.9
I075806	1.54	0.04	0.29	0.65	227	70	0.22	18.80	16.60	0.24	5.22	2.2	4	1.27	6.0
I075807	5.86	0.01	0.13	1.68	27	290	0.74	2.65	18.40	0.82	23.4	1.7	5	2.10	1.9
I075808	2.02	0.03	0.69	0.22	212	30	0.13	30.7	17.85	3.07	5.38	1.0	2	0.46	4.4
I075809	4.56	<0.01	0.02	0.06	<5	10	0.05	0.28	21.1	0.08	1.22	1.1	1	0.11	1.7
I075810	1.88	0.08	0.17	0.27	777	40	0.10	124.0	11.90	0.06	4.99	1.1	1	0.34	4.6
I075811	3.10	0.08	0.15	0.20	522	40	0.05	33.3	17.20	0.10	9.39	1.0	2	0.30	3.0
I075812	2.56	0.21	0.21	0.27	704	30	0.10	149.0	14.25	0.28	6.30	1.1	1	0.38	3.3
I075813	1.82	0.03	0.14	0.19	179	30	0.07	9.50	18.25	0.27	7.75	1.0	2	0.47	3.2
I075814	1.80	0.01	2.12	6.36	239	170	1.75	18.30	6.75	3.72	34.5	2.2	15	4.73	5.8
I075815	3.80	0.33	1.37	0.56	463	70	0.20	238	12.30	1.10	7.90	1.7	4	1.50	87.1
I075816	5.22	0.01	0.10	0.11	66	30	0.12	1.70	20.1	0.40	3.66	0.9	1	0.29	1.1
I075817	0.28	1.83	0.38	0.24	>10000	20	0.10	257	12.85	0.24	15.95	2.2	6	1.15	24.5
I075818	2.08	0.03	0.51	0.12	308	20	0.09	7.31	18.50	0.78	3.68	0.9	1	0.28	2.3
I075820	1.24	0.25	0.26	0.03	3070	10	<0.05	477	5.35	0.08	8.38	0.7	<1	0.09	4.3
I075821	1.18	0.37	0.13	0.04	1070	10	<0.05	99.0	14.80	0.10	11.00	0.8	<1	0.17	2.6
I075822	3.50	0.06	0.16	0.20	717	20	0.09	54.0	16.70	0.30	7.26	1.1	1	0.21	2.6
I075823	1.08	0.40	0.60	0.10	4140	20	<0.05	489	0.17	0.46	26.2	0.7	<1	0.10	6.3
I075824	4.42	<0.01	0.01	0.11	7	30	0.07	0.83	21.1	0.07	1.29	1.2	2	0.38	1.2
I075825	1.70	0.08	0.19	0.11	1030	10	<0.05	87.5	11.70	1.68	8.77	1.0	<1	0.21	4.1
I075826	1.86	<0.01	0.05	0.04	77	30	0.10	0.69	21.0	0.78	3.54	0.9	1	0.13	0.9
I075827	0.82	3.12	0.93	0.14	9450	40	<0.05	620	7.64	1.55	37.0	2.0	1	0.25	8.5
I075828	1.30	0.77	1.51	0.09	3690	60	0.12	87.7	12.40	4.48	8.32	1.1	<1	0.16	11.0
I075819	1.48	0.06	0.14	0.02	605	10	<0.05	132.5	14.25	0.25	6.52	1.1	<1	0.20	3.0
I075829	3.50	0.19	0.92	0.06	1150	30	0.06	48.9	17.65	4.22	7.54	1.0	<1	0.18	3.2
I075830	1.04	1.08	0.39	0.16	10000	20	0.07	80.5	17.85	1.30	9.61	0.8	<1	0.39	1.6
I075831	0.92	0.93	1.25	0.80	2590	140	0.31	54.0	16.55	2.12	15.40	1.7	3	1.17	6.0
I075832	4.14	0.03	0.15	0.28	68	90	0.15	0.88	33.1	2.20	3.92	2.9	3	0.27	2.9

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 23-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10094049

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I075797		9.04	1.36	0.18	0.1	0.409	0.07	5.2	2.8	8.07	6190	0.17	0.01	0.8	2.4	170
I075798		9.96	1.19	0.32	0.1	0.052	0.08	5.6	3.3	7.91	1700	4.68	0.01	1.0	8.7	80
I075799		10.05	4.05	0.19	0.4	0.094	0.28	4.7	4.0	6.54	1600	0.16	0.48	1.4	7.7	200
I075800		15.70	1.77	0.29	0.2	0.031	0.15	2.8	2.0	7.23	1040	0.11	0.01	2.2	5.0	220
I075801		4.66	1.02	0.13	0.2	0.022	0.08	3.4	2.4	9.63	790	0.13	0.01	1.2	2.8	110
I075802		14.15	3.99	0.30	0.4	0.022	0.40	3.1	3.5	6.85	604	0.12	0.01	4.0	6.8	130
I075803		5.76	1.20	0.24	0.1	0.060	0.06	2.0	1.5	2.51	317	0.20	0.01	0.1	3.4	30
I075804		6.14	1.51	0.13	0.1	0.042	0.04	3.8	2.4	9.02	1360	0.06	0.01	0.6	2.3	90
I075805		5.54	3.63	0.12	0.6	0.021	0.32	3.3	3.9	9.76	773	0.12	0.01	4.5	7.9	190
I075806		7.16	3.32	0.14	0.7	0.023	0.32	3.1	3.0	9.28	812	0.14	0.01	4.5	8.7	210
I075807		1.79	7.56	0.11	0.9	0.025	0.78	13.5	7.9	10.05	870	0.10	0.03	18.5	6.9	230
I075808		5.09	1.36	0.14	0.1	0.026	0.11	3.2	2.0	9.25	997	0.12	<0.01	1.1	2.2	90
I075809		0.46	0.29	0.23	<0.1	<0.005	0.02	0.6	1.1	12.15	192	0.07	0.01	0.3	1.7	180
I075810		13.40	1.77	0.28	0.1	0.040	0.11	2.1	2.1	7.03	1660	0.15	0.01	0.9	2.9	110
I075811		7.92	1.29	0.15	0.2	0.050	0.09	4.3	2.0	9.31	2540	0.11	0.01	1.1	1.9	110
I075812		10.95	1.73	0.18	0.2	0.049	0.12	2.7	2.0	8.29	2400	0.20	0.01	1.3	2.8	130
I075813		4.39	1.42	0.10	0.1	0.076	0.10	2.8	2.0	9.79	2710	0.20	0.01	0.6	1.6	130
I075814		5.94	30.8	0.19	3.2	0.134	3.36	18.9	31.7	4.00	1560	0.26	0.08	57.5	10.1	260
I075815		10.20	2.51	0.21	0.3	0.028	0.28	4.9	3.5	7.20	856	0.40	0.01	4.6	11.0	70
I075816		1.43	0.59	0.09	0.1	0.016	0.05	3.0	2.3	11.60	575	0.06	0.01	0.6	1.0	110
I075817		15.60	1.61	0.26	0.2	0.085	0.10	7.7	2.2	7.01	3180	4.99	0.01	1.9	9.1	190
I075818		5.85	0.70	0.12	0.1	0.026	0.05	2.6	2.2	10.55	785	0.10	0.01	0.6	1.6	90
I075820		31.1	0.30	0.44	<0.1	0.035	0.01	4.8	0.5	2.89	832	0.14	<0.01	0.5	7.2	30
I075821		12.50	0.36	0.21	<0.1	0.037	0.01	6.4	1.2	8.68	2080	0.10	0.01	0.3	2.6	100
I075822		9.56	1.37	0.18	0.2	0.062	0.05	3.6	1.6	8.99	2120	0.11	0.01	1.4	2.1	140
I075823		39.9	0.73	0.59	0.1	0.017	0.03	19.0	0.3	0.09	144	0.32	0.01	0.9	2.5	70
I075824		0.50	0.43	0.19	<0.1	0.005	0.06	0.6	1.8	12.10	200	0.06	0.01	0.3	2.3	180
I075825		14.15	0.78	0.26	0.1	0.055	0.03	4.1	1.4	6.85	1740	0.17	0.01	0.5	2.8	120
I075826		0.93	0.29	0.13	<0.1	0.014	0.02	2.8	1.7	11.80	729	<0.05	<0.01	0.3	1.1	80
I075827		34.3	1.04	0.49	0.1	0.056	0.05	26.7	1.2	1.72	687	0.76	0.01	0.5	6.2	220
I075828		15.10	0.58	0.27	0.1	0.059	0.03	4.9	1.4	7.57	1160	0.58	0.01	0.6	3.9	220
I075819		11.00	0.32	0.25	<0.1	0.044	0.01	2.7	1.5	7.81	2100	0.13	0.01	0.3	7.1	50
I075829		7.18	0.57	0.13	0.1	0.098	0.02	3.3	1.8	9.08	3510	0.16	0.01	0.4	1.5	100
I075830		7.41	1.19	0.16	0.1	0.103	0.07	4.1	2.2	9.02	3610	0.08	0.01	1.4	1.8	160
I075831		6.82	3.68	0.16	0.4	0.074	0.39	7.6	3.0	8.48	3070	0.09	0.01	5.4	3.4	250
I075832		1.27	1.83	0.07	0.2	0.012	0.14	3.2	0.7	0.57	491	0.14	0.01	2.3	4.2	260

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CERTIFICATE OF ANALYSIS VA10094049

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I075797		19.4	10.3	0.002	6.52	5.02	0.7	2	5.7	124.0	<0.05	0.11	<0.2	0.014	0.07	0.2
I075798		104.0	11.6	0.009	>10.0	4.99	1.6	4	10.7	70.7	<0.05	0.10	0.5	0.011	0.43	0.2
I075799		24.1	18.8	<0.002	>10.0	1.80	2.8	5	2.4	120.5	0.07	0.08	0.6	0.061	0.12	0.3
I075800		5.0	16.6	<0.002	>10.0	2.78	0.9	14	0.7	50.5	0.11	0.13	0.3	0.024	0.12	0.5
I075801		3.4	7.9	<0.002	4.77	1.55	0.7	4	0.5	49.6	0.06	0.06	0.4	0.013	0.06	0.4
I075802		4.8	41.6	0.003	>10.0	4.09	0.9	13	1.0	36.4	0.23	0.22	1.0	0.047	0.26	0.6
I075803		4.8	6.4	<0.002	6.03	1.90	0.8	6	9.9	15.8	<0.05	0.12	0.2	0.006	0.06	0.2
I075804		3.3	4.7	<0.002	5.92	1.22	0.9	3	0.8	66.8	<0.05	0.08	<0.2	0.010	0.04	0.1
I075805		3.4	36.8	<0.002	6.20	1.47	1.0	4	1.4	50.0	0.28	0.07	1.4	0.036	0.16	0.8
I075806		3.8	33.5	<0.002	8.09	1.54	0.9	4	1.2	46.7	0.27	0.09	1.5	0.037	0.16	0.8
I075807		12.0	43.5	<0.002	1.67	0.91	1.4	2	2.5	51.9	1.10	<0.05	3.6	0.070	0.35	0.6
I075808		78.0	6.7	0.002	5.92	1.99	0.6	4	0.4	56.9	0.05	0.07	0.2	0.014	0.16	0.2
I075809		1.9	1.2	<0.002	0.04	0.06	0.3	1	<0.2	42.6	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
I075810		3.2	6.0	0.003	>10.0	5.65	0.4	9	0.3	72.4	<0.05	0.16	<0.2	0.010	0.20	0.2
I075811		9.4	6.5	0.002	7.95	1.88	0.5	3	0.4	114.0	0.05	0.08	0.5	0.009	0.08	0.2
I075812		5.9	8.2	0.004	>10.0	6.89	0.4	6	0.5	93.3	0.07	0.13	0.5	0.012	0.22	0.3
I075813		5.3	7.5	0.007	2.68	1.10	1.0	2	0.6	119.5	<0.05	<0.05	<0.2	0.006	0.20	0.2
I075814		148.5	135.0	<0.002	5.23	1.87	3.0	2	25.1	39.7	3.11	0.06	7.6	0.249	0.77	2.5
I075815		38.8	16.2	0.002	>10.0	77.6	0.6	12	0.8	41.3	0.22	0.22	0.7	0.035	0.22	0.3
I075816		18.5	4.4	<0.002	1.21	0.52	0.4	2	0.5	39.9	<0.05	<0.05	<0.2	0.008	0.05	0.1
I075817		8.3	17.0	0.002	>10.0	11.45	0.6	2	2.2	87.9	0.07	0.30	0.5	0.020	0.22	0.4
I075818		59.4	6.4	<0.002	5.73	1.18	0.4	6	0.9	43.5	<0.05	0.07	<0.2	0.008	0.06	0.1
I075820		8.6	0.8	0.003	>10.0	15.90	0.3	7	0.2	36.7	<0.05	0.57	<0.2	<0.005	0.12	0.1
I075821		4.6	1.3	<0.002	>10.0	4.18	0.5	3	0.2	96.3	<0.05	0.12	<0.2	<0.005	0.04	0.3
I075822		15.4	4.2	<0.002	9.36	2.29	0.4	3	0.8	92.5	0.07	0.09	<0.2	0.012	0.05	0.3
I075823		16.1	2.4	<0.002	>10.0	12.75	0.1	11	0.7	2.9	<0.05	0.78	0.2	0.006	0.04	0.6
I075824		1.4	3.1	<0.002	0.08	0.07	0.3	1	<0.2	47.0	<0.05	<0.05	<0.2	0.005	<0.02	0.5
I075825		15.1	2.6	<0.002	>10.0	3.55	0.4	5	0.2	71.5	<0.05	0.12	<0.2	0.005	0.06	0.4
I075826		7.2	1.8	<0.002	0.36	0.19	0.2	1	0.3	46.9	<0.05	<0.05	<0.2	<0.005	0.03	0.1
I075827		93.0	4.8	<0.002	0.80	26.5	0.6	17	8.5	23.7	<0.05	0.69	0.3	0.005	0.14	2.1
I075828		136.5	2.8	<0.002	2.87	4.76	0.4	6	1.2	51.2	<0.05	0.32	<0.2	<0.005	0.06	1.8
I075819		7.9	0.7	0.006	>10.0	5.52	1.0	6	0.2	90.1	<0.05	0.16	<0.2	<0.005	0.16	0.3
I075829		172.0	1.5	<0.002	4.98	2.95	0.3	2	0.3	115.5	<0.05	0.08	<0.2	<0.005	0.13	0.3
I075830		73.9	6.8	0.002	4.74	5.16	0.5	2	0.6	126.5	0.07	0.15	0.2	0.014	0.12	0.3
I075831		102.5	31.4	<0.002	4.88	3.57	1.7	2	1.3	110.5	0.29	0.15	0.5	0.152	0.34	0.8
I075832		36.9	8.3	<0.002	0.98	0.63	0.8	2	0.6	126.5	0.12	<0.05	0.2	0.060	0.11	0.2

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 23-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10094049

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	As-OG62
	Analyte	V	W	Y	Zn	Zr	As
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
I075797		6	66.3	9.6	71	4.3	
I075798		8	1980	5.3	333	2.9	
I075799		21	123.5	7.8	26	12.4	
I075800		10	1.6	5.0	9	9.0	
I075801		8	1.2	4.6	10	5.5	
I075802		15	357	4.1	9	15.7	
I075803		5	1010	3.1	9	2.5	
I075804		8	25.2	8.0	13	3.9	
I075805		14	2.4	4.8	29	23.2	
I075806		15	2.2	4.6	43	23.7	
I075807		17	2.8	6.1	211	30.3	
I075808		5	0.9	4.0	602	4.1	
I075809		1	0.2	0.8	17	<0.5	
I075810		7	9.4	5.2	76	5.2	
I075811		5	16.0	8.0	46	5.3	
I075812		5	17.3	7.0	88	8.3	
I075813		5	57.0	9.7	58	3.2	
I075814		36	7.1	11.9	786	112.5	
I075815		8	1.4	3.8	175	12.4	
I075816		4	0.4	4.3	83	2.5	
I075817		8	56.6	7.4	58	6.4	2.68
I075818		5	0.7	3.9	203	2.8	
I075820		2	2.3	4.0	17	0.8	
I075821		4	58.0	5.8	19	1.2	
I075822		6	9.6	6.7	64	6.6	
I075823		3	40.6	1.7	78	2.7	
I075824		3	0.2	0.9	16	<0.5	
I075825		6	30.5	6.8	146	2.5	
I075826		2	0.4	2.8	143	1.0	
I075827		14	2.9	4.5	896	2.8	
I075828		10	17.7	5.7	1820	2.1	
I075819		4	45.9	8.7	76	0.8	
I075829		3	78.7	6.1	820	2.2	
I075830		8	92.7	8.1	324	4.7	1.065
I075831		23	75.5	8.6	566	16.8	
I075832		10	1.0	5.0	527	7.2	

***** See Appendix Page for comments regarding this certificate *****

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Project: RAU

Finalized Date: 23-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10094049

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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Finalized Date: 15-JUL-2010
This copy reported on 28-JUL-2010
Account: RCM

CERTIFICATE VA10094080

Project: VA10076148

P.O. No.:

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 8-JUL-2010.

The following have access to data associated with this certificate:

JOAN MARIACHER	BILL WENGZYNOWSKI	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 15-JUL-2010
Account: RCM

Project: VA10076148

CERTIFICATE OF ANALYSIS VA10094080

Sample Description	Method Analyte Units LOR	Au-AA26 Au ppm 0.01
I074645		0.06
I074646		0.03
I074647		0.10
I074648		0.05
I074649		0.41
I074650		0.06
I074651		0.02
I074652		0.01
I074653		0.02
I074654		0.05
I074655		0.04
I074656		0.03
I074657		0.05
I074658		2.30
I074659		0.03
I074660		0.04
I074661		<0.01
I074662		0.01
I074663		0.02
I074664		0.05
I074665		0.03
I074666		0.07
I074667		0.04
I074668		0.06
I074669		0.06
I074670		0.04
I074671		0.03
I074672		0.02
I074673		0.03
I074674		<0.01
I074675		<0.01
I074676		<0.01
I074677		<0.01
I074678		0.01
I074679		0.49
I074680		<0.01

Comments: **RE-ANALYSIS DATA FOR SAMPLES ORIGINALLY REPORTED ON CERTIFICATE VA10076148**

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To: **ATAC RESOURCES LTD.**
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Finalized Date: 17-JUL-2010
This copy reported on 28-JUL-2010
Account: RCM

CERTIFICATE VA10094081

Project: VA10079580

P.O. No.:

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 8-JUL-2010.

The following have access to data associated with this certificate:

JOAN MARIACHER	BILL WENGZYNOWSKI	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
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Finalized Date: 17-JUL-2010
Account: RCM

Project: VA10079580

CERTIFICATE OF ANALYSIS VA10094081

Sample Description	Method Analyte Units LOR	Au-AA26 Au ppm 0.01
I074789		0.08
I074790		0.20
I074791		0.19
I074792		0.35
I074793		0.08
I074794		2.54
I074795		0.41
I074796		0.03
I074797		0.38
I074798		0.04
I074799		0.07
I074800		<0.01
I074801		0.13
I074802		0.07
I074803		0.08
I074804		0.08
I074805		0.22
I074806		0.51
I074807		0.85
I074808		0.65
I074809		0.01
I074810		0.05
I074811		0.04
I074812		0.16
I074813		0.25
I074814		0.16
I074815		0.10
I074816		0.28
I074817		0.06
I074818		0.22
I074819		0.03
I074820		0.17
I074821		0.10
I074822		0.03
I074823		0.01
I074824		9.07

Comments: **RE-ANALYSIS DATA FOR SAMPLES ORIGINALLY REPORTED ON CERTIFICATE VA10079580**

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Finalized Date: 23-JUL-2010
Account: RCM

CERTIFICATE VA10094120

Project: RAU

P.O. No.: BATCH 36

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 12-JUL-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LOG-23	Pulp Login - Rcvd with Barcode
CRU-31	Fine crushing - 70% <2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
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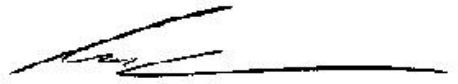
Signature:



Colin Ramshaw, Vancouver Laboratory Manager

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Project: RAU

Finalized Date: 23-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10094120

Method	WEI-21	Au-AA26	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description LOR	0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
I075761	3.82	0.01	2.10	8.60	5.4	560	3.08	184.5	1.50	7.04	103.0	15.5	189	14.05	63.9
I075762	2.92	<0.01	54.6	7.30	14.4	220	2.48	191.0	0.98	6.66	87.8	16.9	122	14.80	276
I075763	4.32	0.01	30.1	0.13	117	10	0.13	20.8	20.5	13.50	5.95	1.3	2	1.23	500
I075764	5.42	0.20	1.73	1.10	193	190	0.42	51.7	13.25	2.06	8.59	9.7	25	4.58	16.0
I075765	5.08	0.02	5.23	1.95	70	330	0.60	14.20	16.50	0.66	14.85	4.1	17	16.75	28.9
I075766	0.28	3.71	0.29	0.10	>10000	20	<0.05	231	10.35	0.08	6.77	1.3	9	0.65	26.2
I075767	1.90	3.94	5.27	0.43	454	60	0.14	283	12.40	1.99	3.85	15.5	2	4.20	93.5
I075768	3.82	1.32	1.21	0.28	430	50	0.10	42.3	15.75	1.11	6.89	1.4	3	1.26	8.9
I075769	1.40	0.12	1.50	9.91	264	1610	2.55	19.90	1.43	0.26	175.0	103.0	203	7.97	20.8
I075770	3.98	0.08	1.55	0.06	119	10	0.11	11.90	19.70	0.69	8.43	1.3	2	0.28	25.7
I075771	2.38	<0.01	0.49	0.06	197	10	0.17	1.69	22.0	0.58	6.11	1.1	2	0.25	4.4
I075772	1.18	0.04	3.29	0.10	324	10	0.09	18.00	16.60	0.50	8.95	6.7	2	0.90	31.5
I075773	4.16	<0.01	0.62	0.08	7	20	0.06	0.55	20.9	0.33	1.60	1.3	1	0.23	11.7
I075774	2.82	0.93	9.02	0.06	5600	10	<0.05	442	0.97	0.90	22.8	0.3	<1	0.13	13.4
I075775	2.92	0.36	9.71	0.09	4480	10	<0.05	472	1.12	0.40	114.0	0.3	1	0.17	14.0
I075776	1.38	0.38	10.60	0.08	4400	10	<0.05	478	0.87	0.76	88.3	0.2	<1	0.13	25.6
I075777	2.80	1.44	10.65	0.04	4490	10	<0.05	349	1.28	0.52	24.1	0.3	<1	0.16	14.8
I075778	2.98	0.24	2.32	0.06	3330	10	<0.05	294	0.07	0.17	1.40	0.2	<1	0.07	10.7
I075779	3.04	0.36	1.18	0.04	4810	10	<0.05	188.5	0.41	0.33	5.35	0.2	<1	0.13	15.1
I075780	2.62	0.24	0.71	0.05	3980	10	<0.05	144.0	3.58	0.24	5.33	0.3	<1	0.15	11.7
I075781	2.98	0.48	1.35	0.09	3680	10	<0.05	177.0	1.88	0.09	6.43	0.3	<1	0.13	10.3
I075782	2.90	0.63	1.56	0.07	4700	10	<0.05	199.5	4.05	0.15	4.76	0.7	<1	0.14	10.8
I075783	2.88	0.49	0.94	0.09	5710	20	<0.05	105.0	3.16	0.14	4.84	0.3	1	0.12	8.4
I075784	1.94	0.37	1.45	0.11	4760	20	<0.05	241	2.44	0.08	118.0	0.3	<1	0.18	8.9
I075785	4.10	<0.01	0.06	0.10	25	20	0.08	1.20	20.8	0.08	1.25	1.2	1	0.17	2.5
I075786	1.90	0.02	0.11	0.09	215	20	0.10	4.83	20.1	0.08	3.99	0.9	2	0.40	3.2
I075787	2.60	0.29	0.87	0.09	559	10	0.05	75.2	18.10	0.38	8.53	0.8	<1	0.33	8.3
I075788	2.20	0.11	3.72	0.15	1890	20	0.08	165.5	15.85	0.34	8.20	0.9	<1	0.45	13.7
I075789	0.28	1.86	0.30	0.23	>10000	20	0.05	250	12.35	0.24	14.65	2.3	6	1.11	25.8
I075790	3.78	0.01	0.17	0.15	151	20	0.18	3.77	20.4	0.06	5.48	0.8	2	0.38	2.2
I075791	2.56	0.01	0.18	0.07	412	10	0.10	37.8	20.2	0.14	6.38	0.8	1	0.25	5.1
I075792	1.06	0.12	5.00	0.08	2900	10	0.09	165.5	13.45	0.15	7.91	1.1	1	0.27	11.5
I075793	3.18	0.04	2.49	0.12	2430	10	0.15	47.3	17.50	0.28	6.37	0.8	1	0.37	16.3
I075794	1.12	0.02	0.26	0.23	222	30	0.20	3.52	20.2	0.12	6.88	1.1	3	0.53	5.1
I075795	1.62	0.45	1.03	0.26	1130	30	0.14	139.0	12.45	0.06	4.77	0.9	1	0.88	6.4
I075796	2.08	0.13	2.51	0.29	1060	30	0.12	107.0	13.70	0.14	5.32	1.0	1	0.54	9.6

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
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Project: RAU

Finalized Date: 23-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10094120

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I075761		10.75	44.3	0.34	3.1	0.081	5.35	50.8	42.1	2.34	216	1.84	0.13	40.3	99.9	2390
I075762		11.80	40.8	0.34	3.8	0.049	4.32	40.8	31.5	2.95	142	1.24	0.15	38.0	76.0	1770
I075763		1.92	0.85	0.08	<0.1	0.019	0.10	2.9	2.8	10.10	1100	0.09	0.01	0.4	2.2	90
I075764		8.79	6.25	0.19	0.7	0.030	0.65	4.1	10.9	7.24	850	0.31	0.02	8.9	22.4	280
I075765		4.12	9.58	0.13	1.0	0.021	1.48	7.8	16.7	9.72	812	0.14	0.03	15.1	9.5	390
I075766		22.3	0.81	0.37	0.1	0.110	0.06	2.5	1.4	5.36	1880	5.77	<0.01	1.4	7.3	80
I075767		17.95	3.15	0.27	0.3	0.052	0.32	1.6	5.2	6.84	1300	0.10	0.01	2.0	11.9	170
I075768		8.56	1.69	0.15	0.3	0.086	0.14	2.7	3.3	7.99	2090	0.06	0.01	2.3	2.1	120
I075769		2.86	38.2	0.35	3.1	0.078	5.42	83.3	59.9	1.21	97	2.75	0.12	86.9	150.0	2470
I075770		4.68	0.48	0.09	<0.1	0.182	0.03	3.5	2.1	9.64	2850	0.05	0.01	0.4	1.0	70
I075771		0.91	0.48	0.11	<0.1	0.050	0.02	3.5	2.1	11.50	1120	0.06	0.01	0.4	1.6	50
I075772		10.50	0.92	0.19	0.1	0.099	0.06	3.5	2.1	8.05	3120	0.06	0.01	0.7	0.8	80
I075773		0.44	0.33	0.20	<0.1	0.005	0.03	0.7	1.2	11.95	204	0.09	0.01	0.4	1.7	170
I075774		40.9	0.56	0.58	<0.1	0.038	0.02	15.4	0.4	0.41	136	<0.05	<0.01	0.7	1.3	20
I075775		39.9	0.87	0.61	<0.1	0.050	0.04	78.8	0.6	0.49	262	0.07	<0.01	0.7	1.6	60
I075776		38.3	0.81	0.54	<0.1	0.052	0.03	61.4	0.5	0.34	207	0.07	<0.01	0.7	1.4	50
I075777		38.4	0.55	0.56	<0.1	0.060	0.01	16.2	0.7	0.80	342	0.05	<0.01	0.7	1.6	10
I075778		41.2	0.50	0.57	<0.1	0.017	0.01	0.9	0.3	0.06	40	0.08	<0.01	0.7	1.1	20
I075779		42.1	0.41	0.60	<0.1	0.009	0.01	3.7	0.3	0.21	64	0.09	<0.01	0.8	2.2	20
I075780		35.8	0.49	0.52	<0.1	0.028	0.01	2.3	0.5	1.70	805	0.05	0.01	0.8	1.8	20
I075781		39.4	0.60	0.44	<0.1	0.021	0.03	4.3	0.4	0.97	158	0.09	0.01	0.7	1.9	40
I075782		35.2	0.59	0.50	0.1	0.028	0.02	2.6	0.7	2.08	574	0.60	0.01	0.9	6.9	80
I075783		37.4	0.67	0.57	<0.1	0.012	0.04	3.3	0.7	1.64	194	0.12	0.01	0.9	2.2	10
I075784		39.6	1.06	0.61	<0.1	0.021	0.05	84.0	0.7	1.22	270	0.09	0.01	0.9	1.6	70
I075785		0.55	0.38	0.10	<0.1	<0.005	0.05	0.6	1.9	12.00	194	0.05	0.01	0.5	1.2	180
I075786		2.82	0.63	0.09	<0.1	0.016	0.04	2.6	2.5	11.45	703	0.05	0.01	0.5	0.9	30
I075787		7.96	0.90	0.16	0.1	0.144	0.04	3.9	2.2	9.07	3870	0.21	0.01	0.5	0.6	60
I075788		10.80	1.33	0.19	0.1	0.261	0.06	3.6	1.7	7.92	4830	0.11	0.01	0.8	2.1	70
I075789		15.00	1.75	0.25	0.2	0.082	0.09	6.7	2.0	6.76	3070	5.15	0.01	1.8	8.6	180
I075790		2.22	1.06	0.08	0.1	0.044	0.07	3.2	1.8	11.15	1220	0.05	0.01	0.8	0.9	60
I075791		2.08	0.59	0.09	<0.1	0.068	0.03	3.3	1.7	10.95	2190	0.06	0.01	0.4	0.8	70
I075792		15.60	0.83	0.29	<0.1	0.217	0.03	4.1	1.2	7.33	2880	0.12	0.01	0.6	3.2	110
I075793		6.28	1.13	0.13	0.1	0.320	0.05	3.1	2.2	9.31	3290	0.13	0.01	0.6	1.3	80
I075794		2.72	1.71	0.09	0.2	0.191	0.11	3.9	2.3	10.70	2080	0.05	0.01	1.4	2.4	450
I075795		17.00	2.39	0.29	0.1	0.104	0.09	1.9	1.9	6.31	1860	0.06	0.01	1.0	2.4	160
I075796		15.15	2.41	0.25	0.1	0.135	0.10	2.2	1.9	7.24	3040	<0.05	0.01	0.9	2.3	210

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Project: RAU

Finalized Date: 23-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10094120

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I075761		116.0	279	0.002	3.97	11.90	21.7	4	23.2	46.5	2.11	0.63	16.1	0.594	1.59	6.9
I075762		254	277	<0.002	4.60	270	14.7	3	18.0	32.6	1.97	0.51	10.7	0.513	1.40	5.5
I075763		733	14.1	<0.002	1.23	318	1.2	1	0.2	70.4	<0.05	<0.05	<0.2	0.007	0.07	0.1
I075764		84.0	49.3	<0.002	9.32	9.48	3.2	5	2.9	56.3	0.44	0.13	1.2	0.127	0.39	1.0
I075765		27.5	163.0	<0.002	2.59	23.4	2.4	3	2.4	54.4	0.79	0.11	3.3	0.140	1.00	1.2
I075766		7.1	8.2	0.002	>10.0	22.1	0.3	5	2.0	66.8	0.05	0.88	0.2	0.007	0.13	0.4
I075767		109.5	44.0	<0.002	>10.0	49.2	2.2	7	0.9	63.9	0.10	0.50	0.2	0.024	0.25	0.3
I075768		53.8	13.1	<0.002	8.86	5.91	1.0	2	0.7	78.6	0.12	0.07	0.4	0.025	0.09	0.4
I075769		16.2	156.0	0.003	2.57	8.51	27.4	3	10.7	20.1	4.30	0.13	13.0	1.140	1.05	2.8
I075770		37.7	2.2	<0.002	2.74	14.60	0.4	1	0.3	102.0	<0.05	<0.05	<0.2	0.008	0.02	0.1
I075771		26.3	3.9	<0.002	0.24	3.25	0.3	1	0.9	57.0	<0.05	<0.05	<0.2	0.006	0.02	0.1
I075772		21.3	9.3	<0.002	8.91	15.80	0.7	4	1.0	89.0	<0.05	0.07	<0.2	0.008	0.08	0.1
I075773		17.8	1.8	<0.002	0.04	5.88	0.3	1	<0.2	47.7	<0.05	<0.05	<0.2	<0.005	<0.02	0.7
I075774		50.7	2.8	<0.002	>10.0	14.55	0.1	10	0.9	5.4	<0.05	0.88	<0.2	<0.005	0.03	0.5
I075775		34.2	5.0	<0.002	>10.0	19.40	0.1	7	1.9	7.1	<0.05	0.64	0.8	<0.005	0.05	5.7
I075776		63.5	4.3	<0.002	>10.0	25.7	0.1	7	1.8	4.5	<0.05	0.65	0.7	<0.005	0.03	1.3
I075777		39.4	1.8	<0.002	>10.0	13.20	0.2	11	1.1	6.7	<0.05	0.60	0.2	<0.005	0.05	0.3
I075778		15.9	1.7	<0.002	>10.0	8.17	<0.1	5	0.5	1.0	<0.05	0.47	<0.2	<0.005	0.02	0.1
I075779		26.7	1.4	<0.002	>10.0	9.42	0.1	7	0.4	2.7	<0.05	0.66	<0.2	<0.005	0.05	0.1
I075780		11.6	1.8	<0.002	>10.0	4.31	0.9	5	0.6	19.4	<0.05	0.45	<0.2	<0.005	0.04	0.1
I075781		9.5	2.7	<0.002	>10.0	4.66	0.1	6	2.4	7.8	<0.05	0.53	<0.2	0.006	0.06	0.1
I075782		15.6	2.1	<0.002	>10.0	6.02	0.4	13	0.6	22.2	<0.05	0.66	<0.2	0.007	0.07	1.7
I075783		8.9	3.2	<0.002	>10.0	3.30	0.2	8	0.9	8.9	<0.05	0.42	<0.2	0.005	0.04	0.3
I075784		9.5	4.7	<0.002	>10.0	6.79	0.3	7	1.6	11.8	<0.05	0.40	0.4	<0.005	0.06	2.5
I075785		3.6	2.0	<0.002	0.17	0.46	0.3	1	<0.2	43.0	<0.05	<0.05	<0.2	<0.005	<0.02	0.7
I075786		7.1	5.6	<0.002	3.06	0.75	0.4	2	0.5	41.5	<0.05	<0.05	<0.2	0.008	0.06	0.1
I075787		6.7	4.7	<0.002	6.22	3.00	0.8	2	1.6	118.0	<0.05	0.06	<0.2	0.005	0.10	0.2
I075788		17.3	7.6	0.002	>10.0	6.07	0.9	5	3.0	88.6	<0.05	0.18	<0.2	0.009	0.09	0.2
I075789		8.2	17.4	<0.002	>10.0	10.25	0.6	2	2.3	82.6	0.07	0.28	0.5	0.019	0.20	0.5
I075790		2.7	8.5	<0.002	2.05	0.48	0.4	2	1.3	56.3	<0.05	<0.05	0.2	0.010	0.05	0.1
I075791		3.3	4.2	<0.002	1.17	1.44	0.3	2	1.5	61.4	<0.05	0.05	<0.2	<0.005	0.05	0.1
I075792		25.6	4.7	0.004	>10.0	8.59	0.4	10	2.6	58.2	<0.05	0.16	<0.2	<0.005	0.15	0.1
I075793		15.7	8.4	<0.002	6.10	4.21	0.6	5	5.4	64.6	<0.05	0.07	0.2	0.008	0.07	0.2
I075794		4.1	15.5	<0.002	2.25	0.87	0.7	2	5.5	59.1	0.07	<0.05	0.3	0.027	0.09	0.2
I075795		7.2	10.4	<0.002	>10.0	4.17	0.4	8	2.1	55.6	<0.05	0.11	0.6	0.013	0.20	0.6
I075796		9.2	14.6	0.002	>10.0	3.52	0.5	10	3.0	68.4	<0.05	0.10	<0.2	0.014	0.13	0.2

***** See Appendix Page for comments regarding this certificate *****

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Project: RAU

Finalized Date: 23-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10094120

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	As-OG62
	Analyte	V	W	Y	Zn	Zr	As
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
I075761		145	19.8	17.1	1210	136.0	
I075762		115	12.0	11.8	135	153.0	
I075763		14	0.3	5.2	358	1.3	
I075764		23	4.7	6.6	230	31.7	
I075765		23	1.5	6.5	28	40.8	
I075766		3	284	5.5	14	4.2	6.10
I075767		12	1.2	4.4	62	12.1	
I075768		8	158.5	7.2	89	10.1	
I075769		186	15.4	36.6	21	124.5	
I075770		5	26.3	9.1	37	1.4	
I075771		4	13.1	3.4	41	1.3	
I075772		5	55.8	9.7	34	3.0	
I075773		2	0.3	1.0	23	<0.5	
I075774		2	7.1	0.9	41	0.9	
I075775		3	191.5	2.2	20	0.9	
I075776		2	71.9	1.6	23	1.1	
I075777		2	188.0	1.8	23	0.7	
I075778		3	13.3	0.3	8	0.7	
I075779		2	36.2	0.8	12	1.1	
I075780		6	4.8	8.6	12	0.8	
I075781		5	5.5	0.9	4	1.6	
I075782		6	5.4	3.5	8	2.4	
I075783		4	0.9	1.8	9	1.5	
I075784		5	201	2.5	7	1.2	
I075785		2	0.2	1.0	16	0.5	
I075786		3	0.7	3.2	9	1.9	
I075787		5	22.0	7.6	80	2.6	
I075788		5	153.0	6.7	71	4.1	
I075789		7	59.3	7.4	56	6.8	2.70
I075790		3	2.6	3.5	14	3.0	
I075791		2	6.0	3.7	29	1.5	
I075792		5	820	4.2	32	2.0	
I075793		5	16.0	4.4	87	3.2	
I075794		6	1.6	4.2	37	8.5	
I075795		6	40.1	4.8	14	6.0	
I075796		7	320	5.9	27	6.1	

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VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 23-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10094120

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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To: **ATAC RESOURCES LTD.**
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Finalized Date: 25-JUL-2010
Account: RCM

CERTIFICATE VA10094121

Project: RAU

P.O. No.: BATCH 38

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 12-JUL-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Chemex
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 25-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10094121

Method	WEI-21	Au-AA26	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description LOR	0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
I075833	3.40	<0.01	0.07	0.24	9	80	0.12	0.03	32.3	0.84	4.75	2.3	5	0.18	2.8
I075834	3.38	<0.01	0.08	0.50	16	380	0.51	0.02	32.1	0.45	9.90	9.7	6	0.43	7.9
I075835	3.24	<0.01	0.29	7.35	8.0	1090	2.86	0.17	5.63	0.15	111.0	20.6	61	15.00	13.1
I075836	2.22	0.01	0.12	4.44	<5	500	0.91	0.07	21.7	0.15	63.8	28.0	28	7.28	43.1
I075837	5.46	<0.01	0.15	5.63	<5	1570	1.16	0.08	16.20	0.08	71.8	24.6	37	10.40	44.0
I075838	6.32	<0.01	0.19	7.57	698	2490	1.53	1.20	0.56	0.14	75.7	38.2	338	30.9	89.1
I075839	4.38	0.01	0.17	8.72	810	5550	1.55	0.56	0.16	0.13	85.3	19.3	407	8.74	50.2
I075840	4.08	0.03	0.53	4.89	4910	2860	1.42	67.2	0.54	1.75	57.1	53.4	140	4.37	152.0
I075841	1.26	0.01	0.50	0.89	2160	2150	0.26	4.94	20.1	1.80	12.85	6.0	26	1.55	27.9
I075842	7.28	<0.01	0.01	0.07	7	20	0.05	0.05	21.7	0.07	1.31	1.2	3	0.16	3.2
I075843	2.64	0.02	0.22	0.91	1280	1990	0.25	0.47	30.9	1.66	11.45	4.3	22	1.56	8.5
I075844	0.94	0.02	0.39	0.36	867	440	0.06	0.51	34.0	0.75	4.54	2.6	11	1.37	5.1
I075845	4.00	0.01	0.08	0.32	293	360	<0.05	0.11	35.4	0.43	4.95	1.6	8	0.49	2.4
I075846	4.58	0.01	0.09	0.34	399	370	0.10	0.10	39.1	0.94	7.03	1.8	6	0.57	3.0
I075847	5.80	0.01	0.09	0.55	410	280	0.16	0.28	32.5	0.56	7.64	2.7	13	1.44	5.4
I075848	0.28	0.36	6.86	5.21	10.5	70	1.10	1.19	1.55	0.04	19.20	8.5	33	20.4	13.7
I075849	0.94	0.18	0.25	0.64	2580	210	0.24	0.63	30.8	2.80	10.60	2.1	8	0.40	52.0
I075850	2.02	<0.01	0.01	0.09	36	30	0.05	0.03	34.4	0.09	2.60	0.9	3	0.07	1.5
I075851	5.28	<0.01	0.03	0.12	13	20	0.06	0.07	33.6	0.26	1.98	0.7	6	0.24	1.7
I075852	2.30	<0.01	0.07	0.22	23	40	0.12	0.25	34.2	1.82	3.16	0.9	3	0.38	1.7
I075853	1.18	<0.01	0.07	0.24	16	40	0.14	0.33	35.1	1.69	3.54	1.0	3	0.45	1.4
I075854	0.92	0.66	3.96	0.20	3060	50	0.08	27.5	30.9	26.0	10.05	1.4	1	0.30	22.2
I075855	3.46	0.89	3.79	0.39	212	70	0.14	13.85	30.8	17.50	7.67	1.7	2	1.14	6.7
I075856	0.30	4.27	0.28	0.11	>10000	20	<0.05	219	11.10	0.78	6.36	1.3	8	0.61	25.2
I075857	1.06	1.27	8.55	0.12	>10000	10	0.05	316	11.85	15.75	5.04	1.0	<1	0.43	65.7
I075858	3.38	1.19	2.35	0.09	1800	10	<0.05	291	10.25	7.40	5.09	0.9	<1	0.31	12.6
I075859	1.06	0.15	4.48	0.06	1460	10	<0.05	188.0	14.65	51.6	5.68	1.3	<1	0.32	49.3
I075860	1.68	1.40	1.95	0.34	>10000	10	0.10	56.9	12.40	15.35	5.11	1.2	5	1.10	11.7
I075861	3.92	0.53	14.35	0.24	6390	10	0.10	124.0	9.10	64.8	4.17	2.3	4	0.77	58.4
I075862	0.98	2.85	5.10	0.41	>10000	20	0.13	110.0	8.61	8.53	25.8	1.6	10	1.11	10.3
I075863	1.46	0.28	2.50	0.14	1540	40	0.09	23.6	15.70	29.2	8.08	3.7	1	0.57	24.2
I075864	2.36	0.96	16.40	0.25	>10000	80	0.08	124.0	6.13	35.7	2.44	15.7	4	0.34	44.1
I075865	3.90	<0.01	0.12	0.07	58	40	0.08	0.73	21.7	0.31	1.27	1.1	1	0.15	2.5
I075866	1.48	0.15	10.10	1.70	1020	50	0.53	32.7	18.40	117.5	8.51	12.5	42	2.80	55.2
I075867	3.50	0.05	2.60	7.11	231	3210	1.65	19.05	5.30	20.2	8.83	34.7	218	9.68	32.0
I075868	3.04	0.01	0.27	6.74	46.6	410	1.52	29.2	6.44	0.27	73.5	31.9	177	23.6	21.6

***** See Appendix Page for comments regarding this certificate *****

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Project: RAU

Finalized Date: 25-JUL-2010
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CERTIFICATE OF ANALYSIS VA10094121

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I075833		1.08	2.91	<0.05	0.1	0.009	0.07	3.6	1.1	0.44	592	0.08	<0.01	1.8	1.6	480
I075834		3.70	4.14	<0.05	0.1	0.012	0.19	7.0	1.5	0.40	403	0.63	<0.01	3.3	18.6	1340
I075835		13.30	26.3	0.29	0.2	0.114	4.10	54.9	18.8	1.78	162	0.36	0.14	61.5	92.6	2150
I075836		5.20	12.90	0.12	0.6	0.056	2.40	33.2	11.5	1.47	988	0.13	0.11	21.5	55.8	3640
I075837		5.30	17.15	0.14	0.9	0.068	3.15	35.9	16.1	1.35	781	0.12	0.18	31.9	70.5	1870
I075838		7.96	21.3	0.23	2.2	0.071	3.87	40.2	48.3	3.65	482	0.49	0.09	20.0	256	1790
I075839		6.96	23.3	0.22	2.8	0.082	4.39	44.1	31.6	1.38	364	0.75	0.16	19.9	173.0	1260
I075840		17.20	17.80	0.28	2.6	0.077	1.23	30.3	21.6	3.39	1170	2.09	0.16	5.4	281	1160
I075841		4.56	2.72	0.05	0.5	0.022	0.34	8.6	3.0	0.54	613	0.61	0.04	3.2	26.6	350
I075842		0.45	0.37	0.09	<0.1	<0.005	0.03	0.6	1.4	13.05	196	0.08	<0.01	0.3	<0.2	200
I075843		2.72	2.73	<0.05	0.5	0.013	0.38	8.4	3.4	0.30	499	0.35	0.03	4.6	14.8	390
I075844		1.46	1.03	<0.05	0.1	0.014	0.13	3.7	1.6	0.26	384	0.24	<0.01	1.5	7.3	120
I075845		0.66	0.94	<0.05	0.1	0.006	0.13	3.9	1.0	0.22	261	0.10	<0.01	1.6	1.7	120
I075846		0.91	0.97	<0.05	0.2	0.006	0.14	5.2	0.9	0.33	356	0.13	0.01	2.1	<0.2	150
I075847		1.04	1.54	<0.05	0.3	0.009	0.18	5.3	2.4	0.49	370	0.16	0.01	2.4	3.8	150
I075848		2.18	16.15	0.09	1.6	0.022	3.44	10.4	8.7	0.60	305	10.10	1.26	2.4	8.8	440
I075849		4.42	1.49	0.08	0.2	0.016	0.28	8.1	1.6	0.78	748	0.46	0.01	2.9	0.7	360
I075850		0.15	0.25	<0.05	0.1	<0.005	0.04	2.7	0.4	1.32	165	<0.05	<0.01	0.5	<0.2	60
I075851		0.19	0.35	0.05	<0.1	0.014	0.07	1.4	0.5	1.00	184	1.31	<0.01	0.3	<0.2	10
I075852		0.37	0.58	<0.05	0.1	0.032	0.09	1.9	0.4	0.81	762	1.33	0.01	0.4	<0.2	10
I075853		0.38	0.67	0.06	0.1	0.040	0.10	2.1	0.5	0.84	701	1.52	0.01	0.4	<0.2	20
I075854		2.08	0.80	0.05	0.1	0.244	0.09	4.9	0.4	1.60	2720	0.34	0.01	0.3	<0.2	20
I075855		3.17	1.42	0.06	0.2	0.146	0.19	4.0	1.1	2.19	2870	0.68	0.01	0.7	<0.2	20
I075856		21.8	0.81	0.29	0.1	0.157	0.06	2.5	1.1	5.31	1940	5.23	<0.01	1.1	5.4	80
I075857		20.0	0.97	0.28	0.1	0.125	0.05	2.0	1.0	5.84	2900	0.41	0.01	0.4	0.4	30
I075858		24.8	0.73	0.29	<0.1	0.061	0.03	2.0	0.9	5.12	1920	0.22	0.01	0.3	0.3	<10
I075859		17.50	0.63	0.21	<0.1	0.044	0.03	2.2	1.0	6.28	3970	0.17	0.01	0.2	<0.2	20
I075860		18.25	2.29	0.24	0.2	0.088	0.14	2.1	1.4	6.15	2630	0.42	0.01	0.6	1.9	20
I075861		25.8	1.53	0.31	0.1	0.037	0.09	2.0	1.0	4.10	2540	0.25	0.01	0.5	6.8	10
I075862		28.0	3.27	0.35	0.1	0.071	0.20	15.8	1.8	3.43	1620	0.46	0.01	0.8	4.6	40
I075863		18.40	0.95	0.23	0.1	0.042	0.05	3.8	1.5	4.87	4810	0.18	0.01	0.3	9.9	<10
I075864		30.0	1.14	0.34	<0.1	0.064	0.12	0.8	1.0	2.23	2870	0.16	<0.01	0.6	46.8	10
I075865		0.60	0.28	0.06	<0.1	<0.005	0.03	0.6	1.0	12.30	221	0.05	0.01	0.3	<0.2	220
I075866		9.23	6.80	0.13	0.3	0.092	0.78	2.2	3.5	3.07	6990	0.73	0.01	2.2	45.1	170
I075867		9.32	25.0	0.18	0.5	0.024	3.57	3.7	21.6	2.26	783	0.35	0.07	11.6	208	790
I075868		7.43	23.4	0.16	0.6	0.013	4.62	40.4	24.8	3.86	361	0.43	0.12	10.6	149.5	670

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	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I075833		22.2	4.3	<0.002	0.24	0.45	0.8	2	0.6	122.0	0.09	<0.05	0.2	0.048	0.06	0.1
I075834		14.8	7.3	<0.002	2.39	0.66	1.1	2	0.2	150.0	0.17	<0.05	0.4	0.090	0.10	0.1
I075835		17.7	159.0	<0.002	0.04	0.91	14.7	3	2.2	98.3	3.44	<0.05	4.7	1.920	0.53	0.2
I075836		6.5	82.9	<0.002	0.04	0.32	9.3	2	1.0	188.0	1.20	<0.05	2.7	0.810	0.29	0.7
I075837		6.4	116.5	0.002	0.05	0.44	11.1	2	1.9	136.0	1.71	<0.05	3.7	1.180	0.56	1.0
I075838		1.9	294	0.003	0.41	0.54	23.2	2	3.5	151.0	1.11	<0.05	7.9	0.528	2.37	2.1
I075839		2.0	166.5	0.004	0.55	0.75	29.2	3	3.7	152.5	1.14	<0.05	10.7	0.458	1.42	2.5
I075840		11.8	82.5	0.004	0.11	5.39	12.3	3	5.3	42.5	0.28	0.62	5.7	0.193	0.80	4.0
I075841		9.2	17.3	0.002	0.01	2.10	2.6	2	0.4	80.1	0.17	0.06	1.0	0.082	0.18	1.1
I075842		1.4	1.5	<0.002	0.01	<0.05	0.4	2	0.3	47.0	<0.05	<0.05	<0.2	<0.005	<0.02	0.4
I075843		11.5	17.4	0.002	0.01	1.49	2.4	2	0.5	94.6	0.26	<0.05	0.9	0.125	0.14	0.7
I075844		10.2	7.9	<0.002	0.02	0.80	1.2	2	0.2	157.0	0.07	<0.05	0.3	0.036	0.10	0.4
I075845		3.9	5.7	<0.002	<0.01	0.33	1.0	2	0.2	170.5	0.08	<0.05	0.3	0.037	0.05	0.2
I075846		3.7	5.6	<0.002	0.03	0.55	1.1	2	0.3	210	0.12	<0.05	0.4	0.044	0.05	0.3
I075847		13.9	8.7	<0.002	0.05	0.80	1.7	2	0.3	131.0	0.13	<0.05	0.5	0.063	0.10	0.4
I075848		12.6	740	<0.002	0.02	0.75	7.2	2	1.1	55.1	0.21	<0.05	1.3	0.246	6.27	0.6
I075849		8.1	9.9	<0.002	0.04	2.40	1.2	2	0.4	109.0	0.16	0.05	0.6	0.060	0.17	0.5
I075850		1.3	1.3	<0.002	0.08	0.05	0.4	2	1.0	124.5	<0.05	<0.05	<0.2	0.009	<0.02	0.1
I075851		3.7	2.9	0.003	0.07	0.35	0.4	2	<0.2	161.5	<0.05	<0.05	0.2	0.006	0.05	1.0
I075852		9.7	8.3	<0.002	0.09	0.48	0.5	2	0.2	157.0	<0.05	<0.05	0.4	0.010	0.08	0.5
I075853		12.2	9.3	<0.002	0.13	0.58	0.6	2	0.3	163.5	<0.05	<0.05	0.4	0.011	0.10	0.6
I075854		467	8.3	<0.002	1.20	5.44	0.5	2	1.2	140.0	<0.05	<0.05	0.3	0.007	0.26	0.4
I075855		367	22.5	0.002	2.33	2.85	0.9	2	1.1	143.0	<0.05	<0.05	0.6	0.018	0.28	0.6
I075856		20.5	7.1	0.004	>10.0	21.3	0.3	5	1.8	66.6	0.05	0.71	0.2	0.007	0.14	0.5
I075857		556	5.9	0.004	>10.0	21.6	0.3	3	0.5	55.8	<0.05	0.52	0.2	0.007	0.30	0.7
I075858		587	4.0	0.003	>10.0	12.70	0.3	3	0.3	39.5	<0.05	0.38	0.2	0.005	0.51	1.6
I075859		1680	3.3	0.006	>10.0	37.0	0.5	4	0.7	52.3	<0.05	0.23	<0.2	<0.005	0.52	0.8
I075860		720	21.8	0.013	>10.0	13.05	0.8	3	0.5	63.5	<0.05	0.18	0.6	0.018	0.69	1.9
I075861		3110	14.2	0.045	>10.0	28.1	0.6	4	1.6	41.2	<0.05	0.22	0.4	0.012	1.54	1.1
I075862		539	38.8	0.039	>10.0	29.0	0.7	3	1.2	33.9	<0.05	0.34	0.9	0.024	3.26	1.6
I075863		539	9.0	0.011	>10.0	12.90	1.1	3	0.8	66.7	<0.05	0.11	0.2	0.006	1.16	1.2
I075864		1440	9.2	0.002	>10.0	32.7	1.0	4	1.4	33.9	<0.05	0.36	0.2	0.016	0.76	0.5
I075865		15.9	1.4	<0.002	0.17	0.16	0.4	2	<0.2	44.1	<0.05	<0.05	<0.2	<0.005	0.02	0.5
I075866		2720	71.0	0.007	5.46	31.0	5.0	5	7.4	195.0	0.11	0.09	0.4	0.113	1.11	2.1
I075867		830	279	<0.002	9.31	22.1	23.6	2	6.7	43.2	0.58	0.12	1.7	0.601	2.67	1.6
I075868		14.6	480	<0.002	5.70	4.63	18.7	2	8.9	57.2	0.56	0.12	1.6	0.558	4.76	1.2

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ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 25-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10094121

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Zn-OG62	As-OG62
	Analyte	V	W	Y	Zn	Zr	Zn	As
	Units	ppm	ppm	ppm	ppm	ppm	%	%
	LOR	1	0.1	0.1	2	0.5	0.001	0.001
I075833		18	1.4	4.9	253	2.9		
I075834		33	1.3	6.6	118	5.9		
I075835		150	3.2	22.9	98	6.5		
I075836		107	0.5	16.6	68	25.5		
I075837		128	0.5	17.2	73	36.0		
I075838		187	3.3	22.1	119	80.3		
I075839		219	3.1	16.9	80	102.5		
I075840		108	41.3	36.8	778	99.3		
I075841		23	15.9	10.0	453	17.5		
I075842		4	0.2	0.9	17	0.5		
I075843		23	3.2	10.0	362	19.1		
I075844		10	3.7	5.0	268	5.6		
I075845		9	0.4	5.1	92	5.7		
I075846		7	2.1	8.2	128	7.8		
I075847		9	5.3	7.3	291	9.8		
I075848		52	0.5	11.5	29	53.7		
I075849		9	2.4	10.1	264	10.2		
I075850		1	0.2	3.0	10	2.0		
I075851		2	0.4	1.0	55	1.5		
I075852		1	1.6	1.3	460	3.0		
I075853		1	1.6	1.5	398	3.5		
I075854		1	0.7	4.0	5190	2.7		
I075855		3	3.7	3.3	3730	5.4		
I075856		2	283	5.0	169	3.5		6.04
I075857		4	1.6	3.8	2990	2.1		1.985
I075858		3	1.5	4.9	1700	1.6		
I075859		3	0.8	4.7	>10000	1.5	1.320	
I075860		5	19.1	4.7	3500	5.3		2.61
I075861		2	1.6	3.3	>10000	3.5	1.355	
I075862		5	2.1	2.7	1630	4.6		3.74
I075863		2	6.1	4.6	4670	1.5		
I075864		3	21.7	2.5	5460	1.8		2.53
I075865		2	0.3	0.9	57	<0.5		
I075866		28	8.1	5.6	>10000	8.8	2.25	
I075867		120	12.3	5.6	4040	17.1		
I075868		148	29.6	8.4	321	20.9		

***** See Appendix Page for comments regarding this certificate *****

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Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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VANCOUVER BC V6B 1L8

Finalized Date: 24-JUL-2010
Account: RCM

CERTIFICATE VA10095011

Project: RAU

P.O. No.: Batch 40

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 13-JUL-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

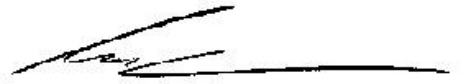
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LOG-23	Pulp Login - Rcvd with Barcode
CRU-31	Fine crushing - 70% <2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 
Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS VA10095011

Method	WEI-21	Au-AA26	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description LOR	0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
I075905	3.64	0.01	0.04	0.30	19	250	0.13	0.53	20.5	0.04	2.85	11.8	7	0.76	10.7
I075906	5.42	0.03	0.04	0.12	<5	130	0.12	2.04	19.90	0.04	1.78	4.0	4	0.61	3.5
I075907	1.16	0.14	0.11	0.07	825	90	0.06	54.9	13.70	0.03	2.11	0.9	2	0.29	3.3
I075908	5.48	<0.01	0.06	6.79	57.5	1750	1.66	2.46	2.99	0.09	84.1	38.6	237	32.3	37.5
I075909	5.40	0.01	0.16	6.97	129.5	2720	1.82	2.68	0.44	0.09	82.7	39.6	332	29.8	85.0
I075910	6.66	0.01	0.06	8.19	64.3	2940	1.94	1.39	0.28	0.08	114.0	28.5	246	8.58	32.3
I075911	3.84	0.02	0.22	6.05	707	2100	1.38	2.71	0.16	0.14	84.6	23.7	250	8.65	48.6
I075912	0.28	0.38	7.09	5.17	2.7	80	1.15	1.31	1.30	0.03	19.35	9.1	31	20.3	11.9
I075913	3.10	0.02	0.34	0.95	563	250	0.18	3.24	24.7	0.99	35.8	9.6	26	1.15	33.9
I075914	4.96	0.02	0.23	0.59	421	280	0.19	0.34	17.60	0.76	9.44	2.7	9	1.27	6.3
I075915	6.16	0.02	0.11	0.17	317	130	0.08	0.90	33.7	0.38	3.20	1.4	5	0.38	5.2
I075916	6.36	0.02	0.06	0.12	78	80	0.06	0.08	33.7	0.41	3.55	0.9	3	0.30	1.8
I075917	6.06	0.01	0.11	0.36	251	130	0.11	0.22	33.8	0.44	4.30	1.5	7	0.74	2.7
I075918	6.06	0.01	0.07	0.22	162	100	0.07	0.27	34.5	0.48	3.44	1.2	5	0.53	2.0
I075919	2.92	0.01	0.13	0.37	313	100	0.11	0.33	34.2	0.88	4.73	1.8	8	1.18	3.9
I075920	5.18	<0.01	0.02	0.12	<5	30	0.07	0.18	20.4	0.07	1.55	1.4	4	0.28	4.6
I075921	1.90	0.01	0.19	0.56	318	170	0.17	0.44	34.8	0.88	7.88	2.0	10	0.89	4.6
I075922	0.76	0.01	0.33	0.96	536	330	0.27	0.73	31.9	1.33	11.25	3.6	20	1.87	9.7
I075923	1.90	0.01	0.18	0.45	207	170	0.16	0.36	35.6	1.04	7.83	1.4	9	0.44	3.2
I075924	3.56	0.01	0.45	2.25	1600	670	0.67	1.86	26.9	3.00	22.2	8.7	43	4.12	18.5
I075925	2.82	0.01	0.10	0.38	387	110	0.14	0.45	34.4	1.00	5.58	1.4	7	1.02	3.9
I075926	2.76	0.02	0.20	0.42	247	150	0.18	0.32	33.9	1.27	6.79	1.1	12	0.59	2.1
I075927	1.82	0.19	0.28	0.86	835	230	0.33	3.76	31.0	1.94	8.29	2.2	17	1.58	5.1
I075928	1.72	0.13	2.89	1.38	>10000	1820	0.42	595	2.09	16.45	16.80	15.2	34	1.98	19.1
I075929	5.20	<0.01	0.01	0.09	<5	20	0.08	0.05	19.95	0.07	1.36	1.1	<1	0.16	2.3
I075930	1.34	0.06	2.58	0.77	9410	590	0.26	1380	0.38	10.40	14.10	19.2	24	0.08	13.1
I075931	2.18	0.26	8.69	0.39	>10000	1070	0.08	843	0.38	6.74	9.05	12.6	26	0.10	12.0
I075932	1.90	0.13	3.34	0.30	8800	3650	0.09	799	0.29	6.46	6.89	6.6	16	0.33	15.6
I075933	0.54	0.35	5.16	0.36	>10000	3310	<0.05	674	0.32	5.43	3.56	6.3	11	0.60	15.0
I075934	5.96	<0.01	0.09	1.24	94	330	0.32	0.93	18.10	0.06	21.7	8.3	22	0.74	4.4
I075935	1.44	<0.01	0.11	1.55	49	420	0.36	0.42	18.15	0.08	41.7	20.9	59	0.60	5.2
I075936	0.64	<0.01	0.10	1.42	38	380	0.33	0.56	17.75	0.10	32.2	18.7	53	0.53	5.9
I075937	3.66	<0.01	0.03	3.87	28	230	0.37	0.09	11.80	0.38	57.7	8.4	364	0.96	47.4
I075938	0.30	0.47	1.76	0.14	6160	50	0.07	74.8	15.85	2.42	16.35	1.7	8	0.37	18.7
I075939	6.02	<0.01	0.03	2.61	33	600	0.28	0.10	16.15	0.08	46.1	4.0	101	0.95	2.7
I075940	5.98	0.01	0.05	1.31	18	490	0.24	1.13	17.85	0.13	29.0	3.4	45	1.48	2.6

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Project: RAU

Finalized Date: 24-JUL-2010
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CERTIFICATE OF ANALYSIS VA10095011

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I075905		0.96	1.02	0.13	0.1	0.006	0.13	1.9	3.8	11.25	374	0.86	0.02	0.5	15.5	20
I075906		0.78	0.53	0.16	<0.1	<0.005	0.06	1.3	3.1	12.10	304	1.11	0.01	0.3	4.5	30
I075907		12.40	0.35	0.19	<0.1	0.008	0.03	1.5	1.9	8.60	315	1.60	0.01	0.3	5.5	10
I075908		5.99	21.1	0.22	3.1	0.043	3.59	45.6	44.9	3.51	652	2.16	0.15	39.2	155.5	1590
I075909		7.87	23.0	0.24	1.2	0.052	4.37	41.8	48.1	3.97	426	1.23	0.11	6.7	210	1530
I075910		5.86	26.2	0.25	2.1	0.067	4.73	62.3	39.1	1.25	232	1.14	0.11	34.9	115.5	2030
I075911		8.90	19.25	0.27	1.9	0.057	3.39	50.1	32.0	1.32	259	1.14	0.08	13.0	125.5	1860
I075912		2.02	16.70	0.16	1.4	0.020	3.36	10.4	10.0	0.62	287	9.99	1.22	2.5	8.9	440
I075913		3.16	5.16	0.12	0.7	0.037	0.13	20.0	3.1	2.83	1770	0.87	0.07	3.4	24.8	520
I075914		0.99	3.04	0.09	0.4	0.008	0.25	5.0	4.0	6.49	771	0.22	0.02	2.3	10.4	330
I075915		0.75	0.52	0.07	0.1	0.006	0.05	2.8	0.9	0.38	237	0.15	<0.01	0.9	5.5	80
I075916		0.30	0.45	0.10	0.1	0.005	0.05	3.6	0.6	0.26	219	0.10	<0.01	0.8	2.6	70
I075917		0.62	1.07	0.09	0.2	0.008	0.14	3.6	1.5	0.27	232	0.19	0.01	1.7	5.8	90
I075918		0.52	0.71	0.07	0.1	0.005	0.09	3.1	0.8	0.23	218	0.13	<0.01	1.2	3.1	90
I075919		0.90	1.11	0.07	0.2	0.008	0.13	3.9	1.7	0.31	304	0.22	0.01	1.4	7.2	80
I075920		0.46	0.38	0.17	<0.1	<0.005	0.03	0.7	1.1	12.45	194	0.09	0.02	0.5	2.6	190
I075921		1.11	1.68	0.09	0.2	0.010	0.24	6.2	2.3	0.35	345	0.16	0.01	2.6	7.3	130
I075922		1.65	2.81	0.10	0.4	0.023	0.37	8.1	4.4	0.40	545	0.31	0.01	3.3	15.7	160
I075923		0.88	1.49	0.08	0.3	0.010	0.16	6.6	1.5	0.28	335	0.10	0.01	2.6	3.6	170
I075924		4.27	6.17	0.14	1.0	0.036	0.79	13.9	10.1	0.57	753	0.70	0.02	8.2	34.5	360
I075925		0.85	1.09	0.08	0.2	0.010	0.15	5.1	1.5	0.23	280	0.14	0.01	1.4	4.9	90
I075926		0.82	1.30	0.08	0.3	0.008	0.18	6.3	1.2	0.43	354	0.08	0.01	2.3	4.5	160
I075927		1.81	2.56	0.09	0.6	0.015	0.31	7.3	2.1	0.28	447	0.19	0.01	4.4	8.7	210
I075928		43.5	9.39	0.81	0.9	0.035	0.19	12.3	1.7	0.44	1180	5.69	0.09	1.9	57.6	590
I075929		0.44	0.34	0.13	<0.1	<0.005	0.04	0.7	1.3	12.45	188	0.07	0.02	0.3	2.2	200
I075930		46.4	5.16	0.85	0.8	0.018	0.01	8.9	0.7	1.06	2380	6.92	0.07	2.1	24.3	490
I075931		>50	2.71	0.73	0.5	0.008	0.02	5.5	0.5	0.23	3560	10.75	0.04	1.5	31.6	510
I075932		46.8	1.98	0.78	0.4	0.021	0.03	4.4	0.7	0.18	451	8.89	0.06	0.7	27.5	440
I075933		46.4	2.10	0.73	0.4	0.026	0.08	1.9	1.0	0.18	426	9.87	0.06	1.3	24.3	610
I075934		1.89	3.40	0.09	0.9	0.011	0.60	10.1	4.0	10.95	370	0.99	0.03	10.5	18.1	240
I075935		2.02	4.94	0.14	1.2	0.026	0.77	19.3	4.1	10.55	448	0.59	0.03	18.7	23.5	1120
I075936		1.97	4.39	0.13	1.1	0.025	0.71	14.5	3.7	10.45	453	0.46	0.03	18.4	20.1	850
I075937		4.28	11.60	0.15	1.0	0.527	1.95	27.2	5.8	7.04	171	0.65	0.04	41.2	41.8	1330
I075938		10.50	1.33	0.20	0.1	0.132	0.06	6.4	1.8	8.67	4540	2.39	0.01	1.6	4.4	140
I075939		2.30	7.84	0.13	0.7	0.022	1.29	21.9	4.7	9.12	231	0.26	0.03	16.2	15.0	890
I075940		2.69	4.61	0.11	0.4	0.010	0.70	15.1	7.6	10.60	448	0.17	0.02	7.8	8.7	420

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I075905		1.5	3.8	0.002	1.03	1.23	0.8	1	0.2	62.1	<0.05	<0.05	0.3	0.016	0.07	0.6
I075906		1.4	4.3	0.002	0.89	0.68	0.3	1	<0.2	35.2	<0.05	<0.05	0.2	0.006	0.10	0.2
I075907		2.1	2.1	0.012	>10.0	1.51	0.1	3	<0.2	30.6	<0.05	0.06	<0.2	<0.005	0.11	0.3
I075908		2.1	293	0.004	0.27	0.32	19.3	2	6.9	101.5	2.14	0.12	8.2	0.698	2.11	2.3
I075909		1.8	374	0.004	0.66	0.38	21.4	2	4.8	137.5	0.29	0.10	6.2	0.376	2.59	1.3
I075910		3.5	171.5	0.005	0.87	0.66	22.1	2	3.8	189.0	1.94	0.05	10.0	0.516	1.70	2.0
I075911		3.9	166.5	0.002	1.05	0.98	18.7	2	2.7	159.5	0.71	0.06	7.5	0.348	1.41	2.4
I075912		12.7	760	<0.002	0.01	0.73	7.9	1	1.1	58.7	0.23	<0.05	1.2	0.241	6.15	0.6
I075913		3.3	18.4	<0.002	0.01	1.17	5.4	2	1.7	62.7	0.17	0.05	1.3	0.084	0.48	1.1
I075914		2.2	25.7	<0.002	<0.01	0.50	2.1	1	1.1	31.9	0.12	<0.05	0.6	0.055	0.27	0.6
I075915		6.2	3.0	<0.002	0.04	0.66	0.6	1	0.2	127.0	<0.05	<0.05	0.2	0.017	0.04	0.2
I075916		4.7	2.8	<0.002	0.04	0.30	0.6	1	<0.2	146.5	<0.05	<0.05	<0.2	0.012	0.02	0.1
I075917		11.0	7.6	<0.002	0.01	0.71	1.0	1	0.2	128.5	0.08	<0.05	0.3	0.037	0.08	0.3
I075918		7.2	5.0	<0.002	0.02	0.39	0.7	1	0.2	124.0	0.06	<0.05	0.2	0.024	0.04	0.2
I075919		34.5	8.8	<0.002	0.01	1.53	1.1	1	0.3	114.5	0.07	<0.05	0.3	0.033	0.09	0.3
I075920		3.1	1.7	<0.002	0.01	0.09	0.4	1	<0.2	48.2	<0.05	<0.05	<0.2	0.008	<0.02	0.5
I075921		24.9	13.5	<0.002	0.01	1.91	1.5	1	0.3	100.0	0.14	<0.05	0.5	0.057	0.14	0.5
I075922		70.1	22.5	<0.002	0.01	2.89	2.7	1	0.8	104.5	0.18	<0.05	0.9	0.084	0.28	0.5
I075923		17.3	7.5	<0.002	0.01	2.22	1.3	1	0.2	99.9	0.14	<0.05	0.5	0.055	0.07	0.4
I075924		227	44.3	0.002	0.01	12.55	5.6	1	1.6	74.9	0.47	<0.05	2.0	0.221	0.60	1.6
I075925		27.6	9.2	<0.002	<0.01	1.24	1.1	1	0.3	117.0	0.07	<0.05	0.4	0.034	0.08	0.3
I075926		30.8	10.0	<0.002	0.01	2.21	1.2	1	0.2	99.3	0.12	<0.05	0.4	0.051	0.07	0.5
I075927		70.0	17.1	<0.002	0.01	4.44	2.2	1	0.4	87.0	0.25	<0.05	0.7	0.105	0.15	0.7
I075928		84.6	26.3	<0.002	0.07	19.00	5.7	4	3.6	44.1	0.06	0.85	1.2	0.064	0.53	4.1
I075929		1.5	1.7	<0.002	0.01	<0.05	0.4	1	<0.2	42.8	<0.05	<0.05	0.2	<0.005	<0.02	0.5
I075930		215	0.7	<0.002	0.04	12.90	3.0	4	2.6	26.7	0.11	1.90	0.6	0.050	0.42	3.6
I075931		576	1.7	<0.002	0.10	9.00	1.7	4	2.1	26.2	<0.05	1.38	0.7	0.027	0.63	4.4
I075932		818	2.3	<0.002	0.13	9.18	1.4	3	1.5	26.5	<0.05	1.31	0.3	0.019	0.08	3.5
I075933		993	4.8	<0.002	0.12	9.81	1.7	5	1.6	25.3	<0.05	0.92	0.7	0.024	0.13	4.0
I075934		6.2	16.7	<0.002	2.17	2.14	3.0	1	0.3	52.9	0.57	<0.05	1.8	0.138	0.26	0.7
I075935		8.3	19.3	<0.002	2.39	4.63	4.7	1	0.4	69.9	0.99	<0.05	2.3	0.302	0.31	1.2
I075936		6.5	17.1	<0.002	2.31	3.83	4.3	1	0.4	64.6	0.95	<0.05	2.0	0.295	0.27	1.1
I075937		5.8	38.6	<0.002	5.33	2.86	12.6	1	1.1	54.6	2.14	<0.05	4.7	0.688	0.58	1.2
I075938		110.0	5.8	<0.002	8.68	3.73	0.5	2	3.9	125.5	<0.05	0.14	0.7	0.010	0.08	0.4
I075939		3.9	27.7	<0.002	2.75	1.52	7.2	1	0.5	74.6	0.83	<0.05	2.3	0.279	0.33	0.6
I075940		3.1	25.2	<0.002	3.08	0.76	3.7	1	0.6	52.5	0.40	<0.05	1.2	0.115	0.22	0.4

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 24-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10095011

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	As-OG62
	Analyte	V	W	Y	Zn	Zr	As
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
I075905		13	0.2	2.4	7	3.4	
I075906		9	0.3	1.3	8	1.3	
I075907		11	0.7	1.9	2	0.9	
I075908		166	2.8	20.3	48	139.0	
I075909		188	1.8	17.4	53	50.7	
I075910		176	2.0	18.8	38	101.0	
I075911		171	2.6	15.6	56	76.5	
I075912		54	0.4	10.9	25	48.1	
I075913		35	5.8	25.9	137	28.1	
I075914		31	2.7	8.1	153	14.9	
I075915		3	1.6	5.2	170	2.8	
I075916		3	0.3	6.9	78	2.6	
I075917		7	1.6	4.4	201	6.7	
I075918		5	1.3	4.3	116	3.9	
I075919		6	13.3	5.2	319	5.5	
I075920		4	0.1	1.0	21	1.1	
I075921		9	23.0	7.4	296	10.5	
I075922		16	14.0	9.1	643	14.6	
I075923		10	20.0	7.8	209	11.1	
I075924		40	97.4	13.7	1300	36.3	
I075925		7	8.1	6.8	273	6.1	
I075926		9	23.0	7.2	265	9.3	
I075927		17	42.0	8.4	552	18.4	
I075928		50	28.2	19.2	4580	34.8	1.215
I075929		2	0.2	0.8	18	<0.5	
I075930		29	5.9	4.0	1360	31.5	
I075931		13	3.2	2.7	1680	18.3	1.075
I075932		11	6.2	5.5	1850	13.0	
I075933		11	14.9	4.6	1880	13.9	0.997
I075934		20	0.2	9.9	27	31.7	
I075935		45	0.4	15.5	18	48.5	
I075936		42	0.4	14.2	20	44.9	
I075937		128	0.7	18.1	73	41.9	
I075938		8	131.5	7.0	434	4.0	
I075939		45	0.4	15.2	20	28.0	
I075940		26	0.7	18.9	19	16.1	

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VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 24-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10095011

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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Finalized Date: 21-JUL-2010
Account: RCM

CERTIFICATE VA10095014

Project: RAU

P.O. No.: Batch 41

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 13-JUL-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

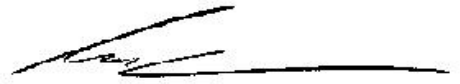
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 
Colin Ramshaw, Vancouver Laboratory Manager

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Project: RAU

Finalized Date: 21-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10095014

Method	WEI-21	Au-AA26	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
Sample Description Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
LOR	0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
I075941	5.68	0.03	0.09	0.81	18	170	0.23	2.62	19.60	0.08	17.15	2.7	26	3.89	5.6
I075942	3.44	0.17	1.36	7.64	269	950	2.34	121.0	4.52	0.45	88.1	31.6	166	7.24	22.1
I075943	1.78	0.09	0.39	7.02	47.0	90	3.05	47.5	4.40	<0.02	70.1	26.2	154	11.95	42.6
I075944	3.48	0.01	0.26	0.61	63.5	130	0.21	27.4	0.32	0.02	4.08	5.7	73	2.65	29.6
I075945	1.38	0.10	2.13	3.67	377	270	1.46	170.5	4.04	0.07	6.50	11.2	80	8.75	43.8
I075946	0.72	0.01	0.54	0.03	153.0	30	<0.05	16.25	0.03	0.10	0.19	0.4	88	0.40	2.2
I075947	1.82	0.07	12.75	0.12	>10000	830	<0.05	177.5	0.40	2.53	6.05	3.1	6	0.23	10.8
I075948	0.42	0.03	2.44	0.02	67.5	30	<0.05	4.77	3.06	0.07	0.33	0.4	79	0.34	1.8
I075949	1.24	2.57	12.40	6.32	2500	1120	1.83	2130	0.17	0.13	59.0	1.7	41	4.05	4.3
I075950	0.68	1.97	22.1	5.75	5960	2880	1.32	74.9	0.23	1.35	6.72	22.7	56	3.81	7.5
I075951	1.48	1.83	11.55	4.27	6800	3630	1.14	116.5	0.37	1.58	7.93	29.9	34	2.24	8.0
I075952	3.10	0.47	7.52	5.28	5370	2440	1.43	65.7	0.25	2.10	16.95	32.2	55	3.12	9.0
I075953	3.12	0.30	19.25	4.42	5490	3580	1.93	193.5	0.35	5.05	47.9	35.8	43	3.05	42.5
I075954	0.30	8.45	24.8	5.11	14.2	30	1.35	1.29	1.39	0.03	6.80	8.2	39	62.5	18.7
I075955	4.40	0.46	28.1	3.37	5820	2580	3.93	358	0.42	10.40	62.0	23.4	64	2.32	39.9
I075956	2.90	0.15	11.85	4.60	8270	7160	5.81	540	0.72	17.70	250	24.8	46	2.74	38.2
I075957	1.10	0.20	6.29	2.92	4090	2330	2.67	116.5	12.95	7.86	68.6	12.4	18	1.36	14.6
I075958	3.44	0.22	11.85	2.66	8870	4600	3.72	256	5.37	13.60	72.9	19.3	32	2.87	23.7
I075959	1.50	0.09	22.1	0.48	2460	750	0.78	14.65	23.7	7.22	13.30	24.0	8	0.76	9.8
I075960	5.38	<0.01	0.10	0.08	54	30	0.08	0.78	20.3	0.13	1.63	1.2	2	0.19	2.0
I075961	3.10	0.04	21.0	0.06	1750	650	0.38	1.08	24.3	7.46	4.15	16.2	1	0.14	4.1
I075962	4.22	0.18	8.48	0.35	6320	1400	1.33	66.8	14.60	8.57	34.2	5.3	13	0.64	37.5
I075963	5.28	0.02	0.54	1.27	141	160	0.40	96.1	13.20	0.06	7.25	9.8	33	12.95	40.3
I075964	2.06	0.01	0.05	0.14	20	<10	0.11	3.46	20.2	0.03	4.83	0.8	2	0.86	2.8
I075965	4.96	0.09	0.81	0.98	667	170	0.65	291	5.88	0.04	5.75	8.8	11	5.49	136.0
I075966	0.28	4.06	0.24	0.09	>10000	<10	<0.05	213	9.32	0.06	6.91	1.2	7	0.57	24.9
I075967	5.70	0.15	0.72	3.50	628	270	1.38	110.5	2.45	0.05	11.05	13.5	65	3.96	51.6
I075968	3.96	0.02	0.45	6.77	51.6	730	2.31	464	5.57	<0.02	64.9	24.7	133	21.4	47.0
I075969	5.94	0.12	0.36	0.18	532	<10	0.09	349	11.85	0.07	9.06	19.0	4	0.96	34.4
I075970	5.16	1.72	0.11	0.08	474	<10	0.05	103.5	15.25	0.06	8.55	0.8	1	0.69	3.0
I075971	2.26	2.06	0.11	0.08	426	<10	<0.05	88.8	15.55	0.05	8.64	0.8	1	0.72	2.7
I075972	3.24	0.01	0.03	0.08	34	<10	0.06	0.91	19.90	0.02	6.08	0.9	2	0.66	1.5
I075973	3.84	0.28	0.07	0.08	237	<10	0.06	58.2	17.85	0.02	4.98	0.9	1	0.28	2.2
I075974	4.00	<0.01	0.01	0.06	32	<10	<0.05	0.28	20.5	0.05	1.27	0.9	1	0.15	1.6
I075975	5.68	0.01	0.10	0.65	66	80	0.26	5.77	18.05	0.02	29.1	1.8	10	0.86	2.9
I075976	3.70	0.02	0.09	0.06	49	<10	0.11	1.81	19.60	0.08	5.13	0.7	3	0.13	2.0

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VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 21-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10095014

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I075941		2.79	2.91	<0.05	0.4	0.008	0.47	11.3	5.0	11.30	958	0.17	0.01	4.0	7.1	330
I075942		12.85	34.3	0.16	4.0	0.058	3.61	52.5	22.5	2.62	571	2.03	0.10	30.4	130.5	1880
I075943		11.20	33.3	0.18	2.9	0.038	4.26	30.8	36.4	2.49	432	1.28	0.09	45.0	123.5	1960
I075944		6.54	3.73	0.07	0.4	0.009	0.37	1.2	4.1	0.40	76	0.43	0.02	3.9	21.0	230
I075945		16.40	20.9	0.28	2.1	0.021	1.92	2.0	14.1	2.38	191	1.09	0.04	22.7	55.5	1060
I075946		1.30	0.30	<0.05	<0.1	<0.005	0.01	<0.5	0.6	0.01	50	0.41	0.01	0.2	2.0	10
I075947		23.1	0.81	0.24	0.2	0.030	0.02	3.2	0.5	0.10	363	8.34	0.01	0.4	14.6	440
I075948		0.48	0.19	<0.05	<0.1	<0.005	0.01	<0.5	0.5	0.02	55	0.48	0.01	0.2	1.4	10
I075949		11.05	45.3	0.28	2.5	0.042	3.42	28.1	5.9	0.50	161	2.56	0.08	6.6	5.7	450
I075950		20.5	35.6	0.23	2.5	0.090	2.52	2.7	8.0	0.26	183	8.93	0.07	3.2	48.8	580
I075951		27.5	36.1	0.39	1.5	0.055	1.85	3.3	6.2	0.28	380	6.87	0.03	2.5	65.7	1260
I075952		24.2	45.2	0.24	1.6	0.149	2.21	7.8	8.0	0.61	571	6.55	0.05	2.9	81.0	1620
I075953		26.0	29.7	0.37	1.8	0.268	1.26	23.2	11.0	1.66	1200	6.67	0.05	3.6	105.5	1800
I075954		2.14	16.55	0.05	0.9	0.020	3.57	2.4	20.7	0.63	304	17.80	1.18	1.9	13.7	640
I075955		30.3	19.40	0.40	1.6	0.795	0.76	29.0	6.8	0.70	815	7.53	0.10	2.7	119.0	2560
I075956		33.9	18.00	0.64	1.5	0.297	1.01	121.0	18.6	0.90	2450	4.58	0.03	3.9	126.0	4230
I075957		13.20	6.38	0.16	0.4	0.126	0.35	30.5	20.0	6.26	1090	1.69	0.03	2.9	52.2	2290
I075958		27.6	10.50	0.33	0.6	0.206	0.79	34.4	6.9	2.82	1270	3.48	0.02	2.8	79.5	2160
I075959		6.55	2.23	0.06	0.3	0.161	0.11	8.5	2.7	4.70	6950	3.80	0.02	1.1	32.5	650
I075960		0.55	0.30	<0.05	<0.1	<0.005	0.03	0.7	1.4	11.95	210	0.09	0.01	0.4	1.6	280
I075961		4.52	0.62	<0.05	<0.1	0.093	0.02	2.8	1.5	5.55	5970	3.16	<0.01	0.3	15.3	250
I075962		17.40	2.76	0.22	0.2	0.056	0.07	17.2	3.0	6.67	1340	7.32	0.01	0.8	22.4	570
I075963		11.60	6.77	0.14	0.7	0.022	1.01	2.8	8.5	7.36	896	0.75	0.02	4.2	17.6	370
I075964		0.96	0.85	<0.05	0.1	0.008	0.06	2.3	4.0	12.05	767	<0.05	0.01	0.7	0.6	100
I075965		34.2	6.73	0.45	0.6	0.029	0.63	1.9	6.3	3.39	519	0.15	0.02	5.2	21.0	200
I075966		20.2	0.72	0.25	0.1	0.092	0.05	2.3	1.6	4.85	1740	4.92	0.01	1.2	7.3	80
I075967		14.75	21.7	0.20	1.7	0.052	1.72	4.5	16.5	1.48	391	0.99	0.04	14.0	32.5	700
I075968		10.10	35.8	0.19	4.2	0.033	3.19	25.3	33.5	4.49	426	1.50	0.19	63.4	58.4	1800
I075969		15.80	1.42	0.24	0.2	0.040	0.06	3.6	2.5	6.75	1780	2.10	0.01	1.5	23.2	150
I075970		9.27	0.79	0.13	<0.1	0.073	0.03	2.8	2.8	8.47	2420	0.10	0.01	0.5	1.1	100
I075971		8.60	0.70	0.09	<0.1	0.071	0.03	2.9	2.8	8.62	2410	0.09	0.01	0.4	1.0	90
I075972		1.11	0.59	<0.05	<0.1	0.019	0.05	3.0	2.3	10.60	1140	0.09	0.01	0.3	1.6	40
I075973		5.20	0.55	0.05	<0.1	0.033	0.03	2.3	2.0	9.77	1200	<0.05	0.01	0.3	3.7	70
I075974		0.43	0.22	<0.05	<0.1	<0.005	0.03	0.5	1.3	12.05	194	<0.05	<0.01	0.3	0.9	200
I075975		1.80	3.05	<0.05	0.4	0.029	0.25	15.0	4.2	10.05	757	0.09	0.03	7.2	6.9	280
I075976		1.33	0.35	<0.05	<0.1	0.024	0.03	2.9	1.8	11.05	792	0.19	0.01	0.3	2.4	80

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 21-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10095014

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I075941		2.8	37.9	<0.002	2.65	0.43	2.7	1	0.7	68.0	0.22	<0.05	0.8	0.068	0.30	0.5
I075942		12.9	156.0	0.002	>10.0	3.88	15.2	2	16.5	37.6	1.65	0.60	9.1	0.586	0.95	5.6
I075943		4.6	152.5	0.002	7.88	1.71	18.4	2	15.8	26.4	2.47	0.18	6.6	0.729	1.27	2.8
I075944		2.9	43.7	<0.002	3.94	0.74	0.9	3	2.8	4.7	0.20	0.08	0.8	0.069	0.19	0.9
I075945		9.3	126.0	<0.002	>10.0	18.35	6.4	19	6.3	20.0	1.18	0.26	5.4	0.340	0.85	4.4
I075946		15.6	1.0	<0.002	0.03	0.35	0.1	<1	0.2	1.7	<0.05	<0.05	<0.2	<0.005	0.02	0.1
I075947		201	0.9	0.002	0.06	5.92	0.8	2	0.2	21.0	<0.05	0.27	0.3	<0.005	0.11	2.7
I075948		10.0	0.8	<0.002	0.01	0.23	0.1	<1	<0.2	11.8	<0.05	<0.05	<0.2	<0.005	0.02	<0.1
I075949		896	195.5	0.005	1.46	6.27	10.0	14	34.8	73.8	0.34	1.10	2.8	0.282	1.28	2.4
I075950		163.5	91.2	0.004	0.09	7.09	8.6	2	4.7	18.9	0.15	0.26	2.2	0.253	0.53	3.0
I075951		130.5	77.0	0.005	0.11	3.99	6.2	3	7.0	25.5	0.11	0.21	3.4	0.155	0.51	3.9
I075952		148.0	74.3	0.003	0.07	7.16	9.4	3	4.6	20.3	0.14	0.09	3.9	0.185	0.58	5.2
I075953		642	62.1	0.006	0.22	29.6	11.4	4	6.8	63.6	0.17	0.76	3.0	0.179	0.73	7.2
I075954		6.2	1490	<0.002	0.03	0.82	7.4	1	1.0	57.2	0.21	<0.05	0.6	0.250	14.00	0.2
I075955		1395	56.1	0.010	0.32	90.2	8.8	5	21.8	972	0.14	1.52	3.3	0.086	0.68	12.4
I075956		1235	64.9	0.007	0.19	83.3	12.3	5	10.1	257	0.16	1.21	3.4	0.116	0.83	14.0
I075957		414	21.5	0.003	0.07	26.5	4.8	2	3.2	178.0	0.16	0.24	1.2	0.086	0.41	5.4
I075958		880	42.9	0.008	0.12	54.6	6.7	3	4.5	46.0	0.13	0.61	1.9	0.096	0.71	7.1
I075959		174.0	8.0	<0.002	0.03	7.21	2.0	1	2.3	36.1	0.05	0.10	0.5	0.027	1.15	2.5
I075960		4.4	1.6	<0.002	0.02	0.18	0.3	<1	<0.2	45.9	<0.05	<0.05	<0.2	0.005	<0.02	0.6
I075961		70.6	1.6	0.002	0.02	6.26	0.4	1	0.8	35.8	<0.05	<0.05	<0.2	<0.005	0.75	1.5
I075962		314	8.5	0.002	0.06	31.9	1.7	2	2.9	43.4	<0.05	1.21	0.4	0.014	0.18	5.1
I075963		3.4	108.5	0.002	7.86	1.33	3.3	6	1.1	59.3	0.21	0.26	1.0	0.086	0.89	1.2
I075964		1.4	10.1	<0.002	0.39	0.33	0.5	1	<0.2	46.8	<0.05	<0.05	0.2	0.008	0.06	0.1
I075965		5.3	91.3	0.016	>10.0	3.55	2.2	10	3.2	33.9	0.31	0.42	1.2	0.063	0.65	1.1
I075966		6.3	6.7	0.003	>10.0	19.80	0.2	4	1.6	62.0	<0.05	0.62	0.2	0.006	0.12	0.3
I075967		5.5	99.4	<0.002	>10.0	3.39	5.5	6	6.9	16.9	0.78	0.24	3.6	0.205	0.54	2.8
I075968		6.5	269	<0.002	7.34	8.08	9.4	6	15.2	42.5	3.23	0.89	9.3	0.722	1.72	5.5
I075969		4.9	9.8	<0.002	>10.0	5.31	2.5	7	0.7	75.5	0.06	0.34	0.3	0.019	0.07	0.3
I075970		3.5	3.1	<0.002	9.91	2.16	2.6	3	0.4	111.5	<0.05	0.06	<0.2	<0.005	0.05	0.1
I075971		3.2	3.3	<0.002	8.94	1.88	2.7	3	0.3	115.5	<0.05	0.05	<0.2	<0.005	0.04	0.1
I075972		1.2	3.8	<0.002	0.78	0.40	0.5	1	<0.2	77.2	<0.05	<0.05	<0.2	<0.005	0.04	<0.1
I075973		3.3	2.8	<0.002	5.51	2.94	0.7	2	<0.2	73.1	<0.05	0.05	<0.2	<0.005	0.03	<0.1
I075974		1.7	1.2	<0.002	0.03	<0.05	0.3	1	<0.2	42.5	<0.05	<0.05	<0.2	<0.005	<0.02	0.9
I075975		2.1	13.8	<0.002	1.74	0.48	1.4	1	1.1	58.2	0.37	<0.05	1.4	0.081	0.12	0.5
I075976		6.4	1.8	<0.002	1.18	0.65	0.6	<1	0.2	52.8	<0.05	<0.05	<0.2	0.005	0.03	0.1

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 21-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10095014

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	As-OG62
	Analyte	V	W	Y	Zn	Zr	As
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
I075941		20	1.0	17.0	20	15.1	
I075942		122	17.7	13.2	68	170.0	
I075943		122	18.3	17.3	9	106.5	
I075944		12	2.0	2.0	4	17.0	
I075945		61	16.8	4.8	13	81.9	
I075946		1	0.5	0.1	22	<0.5	
I075947		3	102.0	1.7	544	11.1	1.010
I075948		1	1.7	0.4	10	<0.5	
I075949		150	379	2.9	80	110.5	
I075950		166	169.0	3.5	543	108.5	
I075951		136	111.5	3.6	832	60.4	
I075952		159	134.0	6.4	1070	63.9	
I075953		218	384	10.1	3870	75.2	
I075954		54	0.7	8.0	35	33.2	
I075955		367	880	17.2	5620	64.2	
I075956		222	780	33.9	9120	68.1	
I075957		92	229	17.5	3960	17.6	
I075958		141	430	21.5	6100	24.4	
I075959		44	77.2	10.3	1940	9.0	
I075960		4	1.8	0.9	47	0.6	
I075961		12	47.3	4.8	1250	1.0	
I075962		28	190.0	9.9	2730	6.0	
I075963		22	167.0	6.4	15	30.7	
I075964		4	1.0	4.5	9	2.6	
I075965		15	1580	7.0	5	28.4	
I075966		2	275	4.7	10	3.4	5.89
I075967		55	10.9	4.8	6	64.3	
I075968		118	21.8	15.4	12	192.0	
I075969		10	17.9	8.8	10	7.0	
I075970		11	27.3	9.7	14	1.4	
I075971		11	12.1	9.5	15	1.2	
I075972		8	6.6	4.0	5	0.9	
I075973		8	0.9	4.4	5	1.1	
I075974		4	0.2	0.8	13	<0.5	
I075975		17	24.9	5.6	6	19.4	
I075976		12	0.6	4.1	30	1.2	

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 21-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10095014

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
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Finalized Date: 27-JUL-2010
Account: RCM

CERTIFICATE VA10095015

Project: RAU

P.O. No.: Batch 39

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 13-JUL-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LOG-23	Pulp Login - Rcvd with Barcode
CRU-31	Fine crushing - 70% <2mm
CRU-QC	Crushing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 27-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10095015

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA26 Au ppm 0.01	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
I075869		4.50	0.02	0.04	0.64	18	90	0.19	0.05	28.3	0.15	27.1	30.2	38	0.25	10.8
I075870		2.10	0.01	0.12	1.77	27	390	0.28	0.11	26.0	0.24	35.3	36.4	240	2.32	55.7
I075871		6.00	<0.01	0.06	6.33	<5	850	0.96	0.08	10.00	0.08	41.3	45.9	273	2.87	72.1
I075872		4.66	<0.01	0.05	6.56	3.2	480	1.23	0.05	6.49	0.07	47.2	54.7	250	4.07	17.7
I075873		6.06	<0.01	0.06	7.69	3.0	1500	1.44	0.05	4.52	0.05	61.1	49.3	275	7.61	11.1
I075874		3.08	0.01	0.10	8.61	7.3	2160	1.32	0.08	2.11	0.04	64.0	42.8	343	9.20	44.7
I075875		5.44	<0.01	<0.01	0.18	<5	60	0.08	0.12	28.0	0.02	2.50	1.0	1	0.21	2.2
I075876		1.82	0.02	<0.01	0.13	10	50	0.08	0.16	32.5	<0.02	1.82	0.8	<1	0.18	2.6
I075877		0.86	<0.01	<0.01	0.12	8	50	0.08	0.15	31.9	0.02	1.96	0.7	<1	0.18	1.8
I075878		1.14	0.36	0.16	0.33	5120	140	0.14	23.3	17.10	0.07	8.46	1.6	4	1.84	13.7
I075879		1.16	0.01	0.02	0.59	59	140	0.20	1.31	17.45	0.03	6.36	1.3	5	2.60	2.1
I075880		1.16	0.44	0.21	0.30	1720	70	<0.05	276	12.85	0.06	6.09	1.2	4	1.90	9.5
I075881		1.24	0.98	0.32	0.21	1420	50	<0.05	367	8.06	0.03	6.97	1.1	1	1.54	11.7
I075882		1.72	0.42	0.16	0.08	1280	20	<0.05	269	12.35	0.29	6.53	0.8	<1	0.61	3.5
I075883		1.96	0.28	0.14	0.24	720	60	0.06	366	16.10	0.11	16.90	1.4	2	1.15	5.9
I075884		4.26	<0.01	<0.01	0.06	8	30	0.05	0.86	20.8	0.06	1.27	1.3	2	0.15	2.4
I075885		1.92	0.01	0.01	0.87	6	240	0.30	1.20	32.7	0.05	6.73	4.2	10	0.78	8.3
I075886		1.96	<0.01	0.05	6.34	<5	1270	0.67	0.45	12.65	0.05	19.15	22.5	164	9.36	110.5
I075887		0.28	2.72	0.65	0.15	1340	40	<0.05	91.2	14.25	1.52	9.74	1.5	9	0.93	30.3
I075888		3.74	<0.01	0.05	9.89	4.5	2900	2.53	0.17	1.70	0.04	139.0	50.3	189	9.96	82.9
I075889		8.20	<0.01	0.06	8.24	2.0	2980	1.84	0.37	3.07	0.05	96.6	43.5	179	14.75	41.3
I075890		6.68	<0.01	0.06	6.63	1.3	3840	1.35	0.12	4.77	0.09	78.7	52.3	234	20.8	34.1
I075891		5.84	0.01	0.10	6.46	3.7	320	1.26	0.20	5.00	0.09	71.5	45.4	245	11.60	78.2
I075892		2.54	<0.01	0.08	6.43	6.0	240	1.25	0.11	4.32	0.07	73.5	45.9	246	20.4	38.1
I075893		5.46	<0.01	0.13	7.06	29.1	540	2.05	1.56	2.03	0.06	91.7	50.2	280	59.3	178.0
I075894		4.00	<0.01	0.11	7.04	8.1	530	1.79	93.3	3.45	0.05	89.6	35.4	254	64.0	94.7
I075895		5.80	<0.01	0.06	6.41	27.0	1080	1.53	0.23	6.10	0.05	72.9	41.0	203	26.6	34.0
I075896		3.24	<0.01	0.06	6.78	14.1	1150	1.43	0.54	4.64	0.03	77.6	45.2	252	45.9	38.1
I075897		5.94	0.01	2.26	7.26	75.6	4980	1.62	3.56	5.06	30.5	24.5	33.8	209	17.95	21.3
I075898		5.70	<0.01	0.05	6.99	0.9	950	0.53	0.16	5.96	0.05	24.3	44.8	214	35.1	34.5
I075899		4.32	<0.01	0.02	0.11	7	50	0.05	0.04	19.75	0.14	1.45	1.7	1	0.30	2.8
I075900		1.26	<0.01	0.03	6.50	0.9	900	0.50	0.06	8.83	<0.02	23.5	40.7	183	45.4	14.3
I075901		3.58	<0.01	0.04	7.08	1.6	1080	0.64	0.07	7.02	0.02	28.6	51.2	235	60.0	17.9
I075902		0.28	4.15	0.27	0.09	>10000	30	<0.05	227	9.85	0.07	5.91	1.5	6	0.58	26.5
I075903		5.08	<0.01	0.09	6.71	44.5	900	0.87	1.86	8.03	<0.02	36.6	38.5	184	40.2	46.3
I075904		4.58	<0.01	0.06	6.21	30.7	370	0.85	1.20	9.04	0.03	21.0	35.8	172	25.6	55.2

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 27-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10095015

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I075869		3.56	2.40	0.05	0.6	0.012	0.02	12.0	3.3	1.52	2330	1.03	0.01	12.2	20.1	870
I075870		3.71	4.97	0.06	1.3	0.024	0.32	16.9	11.1	1.07	1520	2.04	0.02	35.6	44.5	650
I075871		5.94	17.30	0.13	0.6	0.060	1.02	21.0	51.6	3.86	1220	0.43	0.99	27.1	207	1050
I075872		7.70	18.45	0.14	0.8	0.070	0.72	23.6	53.3	5.49	979	0.66	1.36	30.6	226	1260
I075873		9.54	24.8	0.24	0.7	0.083	2.68	31.3	70.8	4.30	921	0.41	0.42	32.9	249	2420
I075874		10.95	30.4	0.29	0.7	0.095	4.13	33.6	61.7	3.22	528	0.42	0.17	29.4	254	2940
I075875		0.21	0.67	0.07	0.1	0.014	0.09	1.5	2.1	6.02	176	0.18	<0.01	0.5	<0.2	20
I075876		0.27	0.55	0.05	<0.1	0.035	0.05	1.2	0.8	1.80	341	0.14	0.01	0.4	2.2	10
I075877		0.22	0.40	<0.05	<0.1	0.036	0.04	1.3	0.8	1.50	310	0.14	0.01	0.3	0.5	10
I075878		9.60	1.89	0.10	0.1	0.056	0.23	4.0	3.9	8.29	2100	0.61	0.01	0.6	7.2	20
I075879		1.30	2.30	<0.05	0.2	0.012	0.36	3.5	6.8	9.20	853	0.15	0.02	1.1	4.5	20
I075880		15.40	2.44	0.23	0.1	0.056	0.21	2.6	2.8	7.14	2400	0.18	0.01	0.8	1.7	30
I075881		25.6	2.06	0.39	0.1	0.034	0.15	3.3	1.5	4.21	1260	0.20	0.01	0.8	2.0	10
I075882		13.80	0.91	0.19	<0.1	0.054	0.05	2.8	2.0	7.41	2350	0.11	0.01	0.3	<0.2	20
I075883		11.05	2.00	0.16	0.1	0.076	0.15	9.0	3.4	8.36	3110	0.14	0.01	0.6	1.6	40
I075884		0.46	0.33	0.13	<0.1	<0.005	0.02	0.6	1.0	13.10	202	0.07	0.01	0.3	0.9	200
I075885		0.58	2.78	<0.05	0.3	0.053	0.46	3.7	3.0	0.50	508	0.20	0.02	1.4	6.4	30
I075886		4.71	17.25	0.11	0.4	0.056	3.50	10.3	19.2	2.42	467	0.95	0.41	7.9	119.5	440
I075887		9.71	1.17	0.24	0.1	0.051	0.08	4.8	2.6	7.92	1660	4.34	0.01	1.5	9.5	80
I075888		8.96	29.9	0.35	0.9	0.094	4.94	74.8	54.0	2.41	653	0.64	0.33	40.5	169.0	2740
I075889		8.03	26.1	0.28	1.0	0.078	4.10	56.3	57.6	3.39	1240	0.14	0.63	44.1	193.5	2580
I075890		7.70	20.4	0.23	1.6	0.066	2.06	42.1	71.2	7.02	1460	0.25	0.26	39.6	250	2370
I075891		6.62	17.90	0.20	1.6	0.061	0.79	38.4	60.6	7.73	973	0.60	0.15	32.4	233	1800
I075892		6.85	19.75	0.24	2.9	0.056	1.04	38.8	63.1	8.12	931	0.30	0.15	33.4	218	1790
I075893		6.48	23.5	0.27	3.2	0.036	3.16	51.2	87.1	8.02	453	1.29	0.59	43.3	228	1940
I075894		5.57	23.7	0.30	3.5	0.031	3.52	50.4	87.0	7.58	530	0.60	0.70	40.4	194.5	1890
I075895		5.95	18.30	0.19	1.4	0.041	2.00	39.4	60.9	5.69	1220	0.32	0.13	33.6	195.5	1650
I075896		6.04	20.6	0.25	3.5	0.036	3.17	41.0	74.3	6.70	1010	0.32	0.05	35.0	215	1780
I075897		6.50	21.4	0.20	0.3	0.101	4.19	12.4	18.4	2.56	1460	0.27	0.09	10.5	173.5	780
I075898		6.74	19.80	0.21	0.5	0.037	4.06	12.3	56.2	4.09	542	0.34	0.39	14.8	207	740
I075899		0.45	0.45	0.11	<0.1	<0.005	0.05	0.7	1.4	11.70	191	0.07	0.01	0.5	3.3	210
I075900		6.76	18.85	0.19	0.5	0.032	3.93	11.9	50.1	5.23	992	0.13	0.16	15.4	175.0	680
I075901		6.81	20.5	0.19	0.5	0.034	4.67	14.9	58.0	4.86	737	0.24	0.18	15.9	198.0	870
I075902		21.1	0.89	0.35	0.1	0.098	0.05	2.4	1.3	5.26	1820	5.01	<0.01	1.3	8.2	80
I075903		4.83	21.9	0.16	0.6	0.034	4.78	19.0	50.8	5.30	482	0.36	0.07	10.5	227	770
I075904		3.73	14.05	0.09	0.9	0.036	3.75	10.2	43.6	4.94	392	0.40	0.08	8.6	261	670

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Project: RAU

CERTIFICATE OF ANALYSIS VA10095015

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I075869		4.6	2.0	0.002	0.10	0.12	3.4	2	0.2	193.5	0.56	0.05	1.2	0.199	0.17	1.0
I075870		5.2	29.4	<0.002	0.04	0.10	8.4	2	0.7	307	1.79	0.05	2.5	0.782	0.32	1.7
I075871		3.0	38.0	<0.002	0.01	0.08	27.4	2	1.2	244	1.54	<0.05	2.8	0.922	0.15	0.5
I075872		3.3	36.4	<0.002	0.01	0.14	26.4	2	1.5	285	1.79	<0.05	2.9	1.090	0.13	0.6
I075873		2.0	85.7	<0.002	<0.01	0.10	28.9	2	1.8	116.5	2.08	<0.05	3.9	1.340	0.28	0.5
I075874		3.0	119.5	0.003	0.01	0.15	31.2	3	2.0	49.5	1.97	<0.05	4.3	1.475	0.40	0.6
I075875		0.8	3.7	<0.002	0.09	0.15	0.5	2	<0.2	112.0	<0.05	<0.05	0.3	0.012	0.03	0.6
I075876		0.7	2.2	<0.002	0.08	0.06	0.4	2	<0.2	152.5	<0.05	<0.05	0.3	0.006	0.02	0.6
I075877		0.7	2.0	<0.002	0.07	0.07	0.3	2	<0.2	150.5	<0.05	<0.05	0.2	0.005	<0.02	0.6
I075878		5.3	18.2	<0.002	5.72	2.21	1.0	2	0.4	85.5	<0.05	0.07	0.4	0.014	0.14	1.0
I075879		1.4	34.8	<0.002	0.62	0.40	1.2	2	0.2	65.8	0.06	<0.05	0.9	0.031	0.20	0.5
I075880		4.4	31.2	<0.002	>10.0	3.10	1.2	3	0.5	87.3	<0.05	0.23	0.4	0.017	0.16	0.4
I075881		4.3	24.8	0.003	>10.0	3.90	0.5	7	0.4	48.0	<0.05	0.59	0.6	0.010	0.17	0.7
I075882		8.1	8.8	0.002	>10.0	3.45	0.6	3	0.5	78.4	<0.05	0.17	<0.2	<0.005	0.07	0.3
I075883		7.3	15.8	<0.002	>10.0	4.79	0.9	3	0.6	103.5	<0.05	0.22	0.7	0.012	0.09	0.5
I075884		1.2	1.4	<0.002	0.02	<0.05	0.3	1	<0.2	47.6	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
I075885		2.0	16.4	<0.002	0.30	0.61	2.1	2	0.6	281	0.06	<0.05	1.0	0.037	0.07	0.4
I075886		2.2	120.0	<0.002	0.86	1.15	22.4	2	0.9	238	0.41	<0.05	1.4	0.545	0.88	0.5
I075887		99.7	11.2	0.013	9.91	5.03	1.6	4	2.9	68.6	<0.05	0.12	0.4	0.011	0.39	0.2
I075888		3.2	107.5	0.002	0.02	0.24	24.3	3	2.1	79.3	2.54	<0.05	8.6	1.040	0.43	1.2
I075889		3.1	137.0	0.002	0.02	0.16	21.2	2	1.9	142.0	2.70	<0.05	8.6	0.972	0.57	1.0
I075890		3.8	135.5	0.003	0.07	0.18	22.7	2	3.3	189.0	2.25	<0.05	6.5	0.847	0.76	1.0
I075891		3.4	87.5	<0.002	0.01	0.15	20.7	2	1.8	119.0	1.81	<0.05	6.0	0.679	0.68	1.1
I075892		3.3	133.0	<0.002	<0.01	0.11	21.6	2	2.4	123.5	1.86	<0.05	6.9	0.679	1.33	1.6
I075893		4.7	480	0.002	0.02	0.18	22.3	3	7.2	159.5	2.40	0.13	8.0	0.853	4.26	2.0
I075894		7.7	520	0.002	0.01	0.56	22.2	2	6.9	177.0	2.28	0.39	8.3	0.797	4.33	2.1
I075895		3.2	199.0	<0.002	0.01	0.18	19.1	2	3.3	99.7	1.95	<0.05	6.9	0.664	1.78	1.1
I075896		1.4	319	<0.002	0.01	0.23	21.5	2	3.2	60.2	2.01	<0.05	7.5	0.695	2.92	1.9
I075897		565	244	0.004	0.58	4.80	25.0	2	6.4	67.2	0.55	<0.05	1.8	0.699	2.15	0.3
I075898		1.9	130.0	0.002	0.07	0.37	24.5	2	2.4	103.0	0.76	<0.05	1.7	0.755	1.48	0.3
I075899		3.1	3.1	<0.002	0.02	<0.05	0.4	1	<0.2	45.4	<0.05	<0.05	<0.2	0.008	0.02	0.6
I075900		0.9	137.5	<0.002	0.11	0.14	22.6	2	3.3	63.4	0.78	<0.05	1.6	0.695	1.66	0.3
I075901		0.7	235	<0.002	0.21	0.16	26.0	2	5.2	62.2	0.79	<0.05	1.9	0.750	2.77	0.4
I075902		6.5	7.9	0.003	>10.0	21.2	0.3	5	1.7	69.6	0.05	0.66	0.2	0.006	0.12	0.4
I075903		1.0	460	<0.002	3.20	0.55	23.9	2	4.0	40.4	0.52	0.13	1.9	0.515	3.41	0.6
I075904		1.2	169.0	0.002	3.06	3.05	20.5	2	2.5	51.1	0.45	<0.05	1.5	0.432	2.39	1.1

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VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 27-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10095015

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	As-OG62
	Analyte	V	W	Y	Zn	Zr	As
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
I075869		38	0.3	20.0	24	28.2	
I075870		90	0.4	19.2	51	66.9	
I075871		217	0.4	19.8	93	20.3	
I075872		232	0.4	20.2	88	25.1	
I075873		172	0.3	25.1	82	22.2	
I075874		147	0.5	26.9	72	29.2	
I075875		6	0.1	0.9	3	2.4	
I075876		2	0.1	1.5	<2	2.0	
I075877		1	0.6	1.4	<2	1.9	
I075878		6	2.7	5.5	20	5.1	
I075879		6	0.5	3.2	8	9.0	
I075880		7	1.8	6.1	14	5.3	
I075881		5	260	6.0	9	4.2	
I075882		6	145.5	8.3	51	1.4	
I075883		6	23.4	9.5	22	4.2	
I075884		<1	0.4	1.1	15	<0.5	
I075885		6	0.6	3.0	<2	10.8	
I075886		79	0.4	12.6	54	14.5	
I075887		8	1950	5.6	331	4.3	
I075888		187	1.4	30.5	122	42.6	
I075889		151	0.5	23.7	103	45.3	
I075890		120	0.7	21.2	101	97.7	
I075891		171	0.4	18.1	90	95.3	
I075892		177	0.7	21.2	79	135.5	
I075893		189	1.4	19.8	70	151.0	
I075894		184	1.3	21.1	67	167.5	
I075895		161	0.9	20.7	91	85.3	
I075896		177	1.6	23.5	98	159.5	
I075897		106	14.6	16.4	6450	10.3	
I075898		167	0.4	17.6	98	21.5	
I075899		3	0.1	1.0	31	0.8	
I075900		143	0.1	19.6	47	21.1	
I075901		166	0.5	19.4	46	18.0	
I075902		3	287	5.5	14	4.1	6.43
I075903		126	1.8	17.6	31	25.4	
I075904		120	4.5	13.6	33	35.5	

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
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Project: RAU

Finalized Date: 27-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10095015

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 1-AUG-2010
Account: RCM

CERTIFICATE VA10098071

Project: RAU

P.O. No.: BATCH 42

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 19-JUL-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LOG-23	Pulp Login - Rcvd with Barcode
CRU-31	Fine crushing - 70% <2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	VARIABLE
ME-XRF05	Trace Level XRF Analysis	XRF
Au-AA26	Ore Grade Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 1-AUG-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10098071

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA26 Au ppm 0.01	Au-GRA22 Au ppm 0.05	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05
I075977		10.02	0.27		19.10	1.23	169	280	0.31	0.35	31.9	2.28	18.75	5.1	35	1.47
I075978		6.62	0.01		1.41	2.54	332	520	0.64	1.07	28.3	2.65	29.0	10.7	50	2.64
I075979		8.44	0.03		1.93	1.04	152	330	0.36	0.21	29.9	0.53	16.40	2.3	21	0.40
I075980		24.40	0.07		1.14	1.44	239	360	0.53	0.47	29.0	0.76	22.3	8.2	37	0.76
I075981		8.66	0.06		0.70	0.76	250	200	0.24	0.26	31.5	1.48	15.15	2.1	21	0.39
I075982		8.36	0.04		0.56	0.63	194	160	0.17	0.19	32.8	1.23	12.95	1.8	15	0.48
I075983		4.54	0.08		0.66	0.34	150	80	0.09	0.56	33.2	0.46	7.00	1.4	8	0.34
I075984		5.28	10.50		0.70	0.97	>10000	730	0.53	1010	3.22	0.45	10.25	2.6	32	1.03
I075985		18.22	6.65		1.39	0.61	>10000	2830	0.19	339	2.18	0.23	5.23	2.3	22	0.49
I075986		7.16	1.11		2.40	0.24	>10000	1250	<0.05	312	1.64	1.74	13.30	1.9	6	0.07
I075987		7.08	0.03		0.55	0.06	253	20	<0.05	1.91	20.9	0.07	1.32	0.9	<1	0.12
I075988		7.76	1.97		1.13	0.23	>10000	1540	<0.05	319	2.39	1.02	13.15	2.5	8	0.07
I075989		7.84	2.65		3.46	0.23	>10000	1290	<0.05	412	1.50	1.94	11.65	1.7	12	0.09
I075990		8.40	4.35		4.49	0.14	>10000	2720	0.26	393	3.35	0.81	5.78	1.7	13	0.06
I075991		0.26	0.39		7.05	5.07	35.6	70	1.04	1.29	1.29	0.02	19.45	7.9	30	21.0
I075992		10.18	7.07		3.35	0.25	>10000	3160	0.33	211	4.11	0.70	4.06	1.2	15	0.13
I075993		8.26	9.01		1.95	0.31	>10000	3950	0.19	551	2.57	3.18	12.65	1.7	11	0.16
I075994		9.94	42.8		10.45	0.59	>10000	3430	0.11	1760	1.26	3.18	25.7	1.0	14	0.65
I075995		6.68	7.37		3.77	0.28	>10000	1370	<0.05	248	1.13	15.70	8.99	1.5	11	0.09
I075996		8.04	11.60		2.76	0.38	>10000	3530	<0.05	406	1.47	4.22	4.99	1.4	10	0.44
I075997		8.42	38.6		2.16	0.33	>10000	7810	0.58	7780	1.40	1.72	3.42	0.9	8	0.18
I075998		6.86	0.16		0.59	0.07	221	50	<0.05	14.85	21.2	0.07	1.34	0.9	<1	0.22
I075999		7.18	>100	175.0	34.4	0.56	>10000	210	0.31	>10000	0.46	0.24	13.20	0.3	15	0.56
I076000		2.92	67.1		30.1	0.38	>10000	>10000	0.29	5300	1.26	0.20	6.33	0.3	22	0.41
I076001		0.26	8.70		22.9	4.83	37.0	50	1.26	4.09	1.33	0.04	5.92	8.3	38	53.9
I076002		7.18	19.50		3.19	0.35	>10000	>10000	0.25	2190	4.12	0.22	2.27	0.2	10	0.61
I076003		8.40	6.03		3.90	0.36	>10000	7490	0.19	4040	1.19	2.53	9.46	3.8	6	0.17
I076004		7.20	2.54		14.00	0.17	>10000	5350	<0.05	1340	1.24	1.64	2.63	1.4	5	0.08
I076005		8.20	1.44		5.94	0.16	>10000	1390	<0.05	675	0.41	1.80	3.69	3.7	9	0.28
I076006		8.48	3.63		6.91	0.89	>10000	1410	0.19	275	0.76	6.80	5.71	5.4	22	0.48
I076007		8.48	1.57		6.36	1.30	>10000	1620	0.35	407	0.53	8.05	12.90	9.5	25	0.67
I076008		6.48	2.87		1.68	3.02	>10000	990	0.91	396	1.25	9.84	19.35	7.3	47	5.77
I076009		6.94	0.51		0.54	2.53	5850	1280	0.76	391	20.2	3.08	13.60	6.2	25	1.66
I076010		8.48	4.16		4.99	2.15	>10000	1500	0.76	51.6	14.25	7.60	13.65	5.7	26	1.84
I076011		4.30	4.55		4.32	1.80	9300	1130	0.68	40.6	13.50	6.66	13.05	5.5	23	2.04
I076012		12.26	0.73		16.65	2.12	8220	940	0.85	666	19.75	8.12	18.45	4.9	18	1.07

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
I075977		11.3	1.09	3.18	0.13	0.6	0.020	0.56	11.0	4.0	0.24	559	0.27	0.01	6.6	16.9
I075978		15.9	2.24	6.47	0.14	1.0	0.040	1.07	16.6	9.3	0.34	839	0.52	0.02	9.7	41.1
I075979		5.8	1.64	2.92	0.10	0.4	0.020	0.51	9.8	2.4	0.99	441	0.19	0.01	6.5	9.7
I075980		9.7	1.87	3.84	0.13	0.9	0.032	0.70	13.4	4.3	2.37	514	0.37	0.02	8.8	21.9
I075981		4.6	1.34	2.09	0.09	0.4	0.013	0.37	9.7	1.7	0.28	236	0.17	0.01	4.7	8.9
I075982		3.2	0.96	1.84	0.09	0.3	0.011	0.29	8.6	1.3	0.24	202	0.10	0.01	4.2	7.8
I075983		3.1	0.55	1.02	0.11	0.2	0.012	0.15	4.8	0.8	0.28	195	0.08	0.01	2.4	5.0
I075984		20.9	43.5	6.92	0.90	0.7	0.174	0.39	3.8	2.0	0.18	686	5.38	0.02	2.8	12.1
I075985		20.9	44.9	4.64	0.86	0.4	0.059	0.20	2.4	1.3	0.19	484	4.94	0.03	1.2	10.4
I075986		38.2	47.0	1.85	0.52	0.2	0.171	0.03	4.5	0.7	0.26	1350	5.96	0.03	0.7	6.6
I075987		2.4	0.57	0.25	0.08	<0.1	<0.005	0.02	0.6	0.9	12.10	199	0.09	0.01	0.2	2.2
I075988		12.2	45.5	1.92	0.77	0.2	0.104	0.02	5.3	0.4	0.21	1000	4.39	0.02	0.4	7.3
I075989		38.0	47.0	1.55	0.51	0.3	0.203	0.02	4.6	0.4	0.33	912	4.66	0.02	0.8	6.9
I075990		8.7	42.0	1.33	0.73	0.1	0.067	0.01	2.6	0.5	0.09	683	4.08	0.02	0.4	5.7
I075991		12.0	2.05	14.20	0.13	1.4	0.020	3.38	9.9	8.9	0.59	286	9.04	1.27	2.2	7.7
I075992		7.9	40.5	1.28	0.74	0.2	0.070	0.05	2.1	0.5	0.07	316	3.86	0.03	0.4	5.9
I075993		11.8	43.6	1.79	0.71	0.2	0.096	0.07	5.2	0.6	0.06	382	3.71	0.03	0.3	5.3
I075994		13.2	37.1	4.18	0.84	1.2	0.080	0.34	14.6	2.5	0.10	271	4.14	0.04	4.8	4.7
I075995		15.6	>50	1.69	0.50	0.6	0.344	0.02	4.1	0.3	0.08	313	4.11	0.02	0.8	6.6
I075996		15.4	47.9	2.80	0.52	0.2	0.090	0.12	2.0	0.6	0.08	304	3.79	0.03	0.8	5.3
I075997		18.4	46.1	2.12	0.60	0.9	0.091	0.14	1.4	1.0	0.11	225	11.90	<0.01	1.5	3.5
I075998		2.0	0.62	0.26	0.06	<0.1	<0.005	0.03	0.6	1.0	12.25	194	0.11	0.01	0.3	1.9
I075999		11.5	16.70	3.52	0.51	2.0	0.031	0.73	6.1	2.8	0.21	69	10.10	0.04	9.4	1.6
I076000		25.4	8.57	3.71	0.59	2.3	0.498	0.05	3.4	0.8	0.13	16	1.16	0.14	10.3	1.4
I076001		16.1	2.03	14.00	0.12	0.9	0.020	3.56	2.3	17.8	0.60	291	30.0	1.17	2.1	12.6
I076002		21.0	28.0	4.27	0.73	2.1	0.705	0.16	1.2	0.7	0.18	<5	1.95	0.23	1.5	1.1
I076003		18.7	44.0	3.04	0.86	0.5	0.372	0.13	4.2	0.6	0.10	1050	6.91	0.06	1.5	13.5
I076004		17.6	33.8	2.65	0.83	0.4	0.405	0.07	1.1	0.6	0.07	361	3.49	0.03	0.4	5.8
I076005		12.5	23.7	2.53	0.56	0.2	0.144	0.05	1.7	0.9	0.05	855	2.07	0.02	0.2	15.9
I076006		25.4	45.9	9.62	0.79	0.4	0.354	0.31	3.3	1.0	0.13	1040	3.44	0.02	0.8	22.7
I076007		39.9	49.9	13.35	0.97	0.7	0.505	0.52	6.4	1.9	0.15	2110	2.61	0.02	1.3	32.7
I076008		46.8	37.3	21.9	0.71	1.1	0.432	1.55	8.4	9.7	0.26	3990	1.01	0.04	1.4	22.9
I076009		8.5	16.25	15.85	0.25	1.2	0.154	0.97	5.5	2.8	0.29	5160	1.01	0.03	7.5	22.1
I076010		14.3	17.55	13.75	0.24	1.1	0.223	0.84	7.3	3.9	6.52	3780	0.39	0.03	5.1	20.8
I076011		13.4	16.00	11.50	0.23	0.9	0.144	0.68	7.1	3.4	6.66	3260	0.34	0.02	3.9	20.0
I076012		55.8	17.00	10.05	0.34	0.8	0.511	0.61	7.1	3.1	0.72	5250	0.78	0.03	4.4	18.9

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02
I075977		260	112.5	24.2	<0.002	0.03	2.44	3.3	1	0.5	87.6	0.37	<0.05	1.2	0.174	0.27
I075978		390	64.8	45.7	<0.002	0.01	4.52	6.4	1	1.1	38.3	0.56	<0.05	2.0	0.273	0.56
I075979		280	8.6	18.2	<0.002	0.01	2.43	2.7	1	0.3	55.5	0.36	<0.05	1.0	0.150	0.12
I075980		330	7.9	26.9	0.002	<0.01	3.95	4.0	1	0.5	75.4	0.51	<0.05	1.5	0.226	0.13
I075981		210	5.5	13.9	<0.002	<0.01	1.01	2.4	1	0.3	192.5	0.26	<0.05	0.8	0.120	0.07
I075982		210	6.6	11.5	<0.002	<0.01	0.80	2.0	1	0.3	151.0	0.22	<0.05	0.7	0.093	0.06
I075983		100	5.5	6.3	<0.002	0.01	0.59	1.1	1	0.2	114.0	0.12	<0.05	0.4	0.047	0.04
I075984		380	11.9	23.6	<0.002	0.02	96.3	3.8	2	2.2	17.9	0.21	0.32	1.4	0.036	0.20
I075985		350	10.0	11.5	0.008	0.09	36.0	2.6	1	1.7	33.3	0.08	0.28	0.7	0.029	0.14
I075986		230	58.2	2.1	0.002	0.08	18.70	1.3	1	0.6	21.6	<0.05	0.90	0.4	0.008	0.17
I075987		170	2.9	1.0	<0.002	0.01	0.17	0.3	1	<0.2	44.0	<0.05	<0.05	<0.2	<0.005	<0.02
I075988		220	12.8	1.6	<0.002	0.06	22.2	2.9	1	1.2	29.8	<0.05	0.49	0.4	0.006	0.20
I075989		210	57.4	2.0	0.002	0.09	20.3	1.2	2	0.6	20.5	<0.05	0.84	0.6	0.011	0.17
I075990		240	28.4	1.3	<0.002	0.09	32.3	1.1	4	1.2	36.2	0.08	0.72	0.2	0.006	0.14
I075991		440	12.1	740	0.002	0.01	0.65	6.7	1	1.0	51.4	0.20	<0.05	1.2	0.238	5.73
I075992		270	20.5	5.4	<0.002	0.10	37.6	1.0	1	1.6	53.8	<0.05	0.87	0.3	0.005	0.20
I075993		220	64.4	5.2	0.003	0.11	42.1	2.1	3	1.8	35.1	<0.05	0.59	0.3	<0.005	0.14
I075994		150	233	14.2	<0.002	0.39	220	1.8	3	5.4	121.0	0.20	1.00	1.3	0.034	0.21
I075995		220	317	1.4	<0.002	0.06	123.0	1.4	1	1.5	25.3	<0.05	2.27	1.8	0.009	0.09
I075996		180	64.1	8.5	<0.002	0.12	52.6	0.7	1	0.8	32.2	<0.05	0.24	0.6	0.011	0.13
I075997		140	31.9	5.5	<0.002	0.26	316	2.4	4	9.5	61.8	0.27	8.74	0.4	0.040	0.07
I075998		190	2.6	1.3	<0.002	<0.01	1.08	0.3	1	<0.2	47.1	<0.05	<0.05	<0.2	<0.005	<0.02
I075999		90	343	17.5	0.013	1.22	554	1.4	3	16.6	183.5	0.37	10.55	1.0	0.162	0.48
I076000		400	250	1.5	0.008	0.12	708	6.0	20	14.2	87.9	0.43	6.45	0.8	0.191	0.15
I076001		620	5.4	1450	<0.002	0.03	1.13	6.8	1	0.9	52.1	0.32	<0.05	0.5	0.246	12.40
I076002		1070	183.5	9.7	<0.002	0.04	680	6.2	11	8.6	293	0.05	14.35	<0.2	0.060	0.35
I076003		270	351	8.0	<0.002	0.05	124.5	3.0	6	2.0	87.6	0.09	2.34	0.2	0.044	0.19
I076004		520	580	4.0	0.008	0.16	43.8	3.6	27	1.9	93.3	<0.05	1.52	0.2	0.009	0.17
I076005		150	347	3.4	<0.002	0.03	11.80	2.3	1	1.5	24.2	<0.05	0.52	0.2	0.006	0.11
I076006		340	628	23.2	<0.002	0.07	16.95	2.3	3	2.8	37.1	0.05	1.00	1.1	0.017	0.26
I076007		410	371	35.4	0.002	0.21	12.45	2.9	3	4.3	121.0	0.07	0.74	2.0	0.031	0.38
I076008		980	143.5	87.7	<0.002	0.96	15.00	7.9	4	3.8	544	0.10	0.38	2.4	0.040	1.10
I076009		990	26.0	66.9	<0.002	0.02	13.60	5.8	3	3.4	21.4	0.49	0.14	0.9	0.205	0.39
I076010		700	222	69.8	<0.002	0.06	5.76	4.0	3	6.3	55.0	0.35	0.15	1.3	0.141	0.52
I076011		640	204	63.6	<0.002	0.04	4.09	4.0	3	3.5	48.9	0.26	0.13	1.2	0.106	0.47
I076012		560	344	43.4	<0.002	0.02	6.38	4.6	7	6.9	26.9	0.30	0.20	0.9	0.137	0.36

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	Analyte	U	V	W	Y	Zn	Zr	As	Bi	W
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.1	1	0.1	0.1	2	0.5	0.001	4	10
I075977		0.6	30	4.2	9.7	299	25.7			
I075978		1.3	53	5.5	14.8	473	36.3			
I075979		0.2	19	0.9	8.8	73	16.7			
I075980		0.8	37	1.4	9.9	117	36.3			
I075981		0.3	17	0.8	10.0	68	14.5			
I075982		0.2	11	0.8	8.4	63	13.0			
I075983		0.2	6	0.6	4.7	33	7.4			
I075984		5.2	20	81.7	10.1	136	27.9	3.78		
I075985		4.8	12	97.0	7.8	61	15.8	5.46		
I075986		4.8	8	600	5.7	300	10.0	4.92		
I075987		0.5	2	1.2	0.9	15	<0.5			
I075988		6.1	6	167.0	9.9	231	7.1	6.76		
I075989		4.3	7	540	9.1	279	10.1	4.50		
I075990		5.8	4	72.6	11.8	217	5.6	9.74		
I075991		0.6	52	0.6	10.5	26	51.2			
I075992		5.9	3	20.1	12.8	172	3.9	11.65		
I075993		5.5	4	16.3	13.3	469	3.5	8.25		
I075994		5.6	9	212	3.5	303	2.7	4.31		
I075995		4.4	9	27.7	5.3	1260	23.7	3.76		
I075996		4.1	8	44.1	4.2	371	7.3	5.09		
I075997		3.9	12	550	2.6	222	23.1	4.41		
I075998		0.4	2	1.6	0.9	16	0.6			
I075999		3.0	14	940	2.2	90	71.1	1.080	>10000	970
I076000		2.6	20	380	1.8	18	85.2	5.47		
I076001		0.2	53	0.9	7.4	28	33.3			
I076002		3.8	13	610	0.8	33	85.0	16.20		
I076003		1.5	14	81.2	7.2	1200	30.6	6.25		
I076004		0.9	6	115.5	2.2	596	18.7	16.30		
I076005		0.6	9	67.7	3.4	1300	8.0	1.500		
I076006		1.6	19	26.0	5.7	2370	19.6	2.90		
I076007		2.3	31	22.9	12.8	3290	26.9	2.12		
I076008		5.4	59	20.8	19.0	1170	42.5	4.10		
I076009		1.8	48	11.6	17.0	365	51.5			
I076010		2.3	38	23.2	11.5	683	45.9	0.975		
I076011		2.0	32	23.5	11.8	677	37.3			
I076012		1.7	36	34.8	19.6	1320	35.9			

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 1-AUG-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10098071

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 27-JUL-2010
Account: RCM

CERTIFICATE VA10098844

Project: RAU

P.O. No.: BATCH 43

This report is for 16 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 21-JUL-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LOG-23	Pulp Login - Rcvd with Barcode
CRU-31	Fine crushing - 70% <2mm
CRU-QC	Crushing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 27-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10098844

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA26 Au ppm 0.01	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
I076013		4.94	0.01	0.16	0.15	149	30	0.16	0.61	20.1	0.69	5.02	0.8	4	0.26	2.9
I076014		18.66	0.05	0.65	0.51	719	160	0.23	27.3	19.85	2.79	9.58	1.4	10	0.94	4.8
I076015		7.20	0.12	14.50	0.57	5700	1430	0.38	101.0	16.95	16.30	18.35	3.6	3	0.26	37.7
I076016		19.50	0.01	0.79	0.05	135	90	<0.05	20.1	20.7	1.06	10.75	0.9	<1	0.38	2.7
I076017		9.22	0.02	0.77	0.04	138	80	0.07	15.65	20.1	1.35	9.97	0.6	1	0.33	3.2
I076018		21.14	0.13	10.05	0.55	945	310	0.23	51.5	19.90	5.98	11.60	2.1	6	0.57	16.3
I076019		5.34	0.66	15.90	0.90	4310	950	0.47	307	17.30	10.40	15.10	4.0	10	0.66	48.5
I076020		9.34	0.05	2.64	0.06	1140	40	0.07	48.3	18.70	1.07	7.86	1.2	2	0.25	4.1
I076021		7.94	0.07	0.18	0.06	1850	50	0.08	31.7	18.75	0.74	10.20	1.1	3	0.19	2.4
I076022		14.60	0.09	0.10	0.04	5310	30	0.08	17.65	18.50	0.64	9.08	0.7	2	0.24	2.1
I076023		0.26	1.35	0.76	5.20	83.7	80	1.34	1.28	1.03	0.14	14.75	22.1	165	28.1	486
I076024		12.32	0.74	0.24	0.82	2540	160	0.22	75.6	19.20	0.34	11.05	2.1	9	0.73	4.5
I076025		19.46	0.05	0.15	0.11	581	10	0.08	35.2	18.65	0.52	5.60	1.2	2	0.25	1.9
I076026		6.62	<0.01	0.01	0.10	11	10	0.10	0.29	21.3	0.07	1.77	1.3	3	0.15	2.1
I076027		6.24	0.12	2.77	1.39	2130	2080	0.45	8.87	20.1	0.22	17.85	6.3	21	1.75	5.8
I076028		6.34	0.19	1.52	0.83	3710	1400	0.38	17.20	20.0	0.07	12.45	3.3	10	0.71	3.9

***** See Appendix Page for comments regarding this certificate *****

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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 27-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10098844

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10
I076013		1.61	0.98	0.07	0.1	0.041	0.03	3.0	2.3	11.80	2160	0.14	0.02	0.6	2.1	90
I076014		5.60	2.90	0.13	0.3	0.116	0.21	3.9	3.8	9.55	5310	0.29	0.01	1.5	5.2	340
I076015		21.2	2.34	0.38	0.2	0.237	0.03	6.4	0.7	2.85	9640	1.18	0.01	0.7	11.4	230
I076016		4.94	0.59	0.11	<0.1	0.176	0.02	4.1	2.0	9.64	5400	0.15	0.02	0.2	1.1	40
I076017		4.80	0.49	0.10	<0.1	0.154	0.01	3.8	1.9	9.62	5530	0.15	0.01	0.2	0.7	50
I076018		6.36	3.51	0.14	0.4	0.181	0.07	4.6	1.9	9.43	6210	0.32	0.04	1.6	6.4	370
I076019		12.15	5.20	0.22	0.7	0.506	0.15	6.1	1.8	5.65	6590	0.45	0.04	2.3	17.0	350
I076020		6.40	0.55	0.13	<0.1	0.108	0.02	3.0	1.9	10.15	4330	0.10	0.01	0.2	2.9	50
I076021		8.29	0.63	0.18	<0.1	0.117	0.02	3.8	1.7	9.83	4630	0.16	0.01	0.4	2.7	60
I076022		7.14	0.50	0.14	<0.1	0.108	0.02	3.6	2.0	10.00	4470	0.06	0.01	0.2	2.0	60
I076023		1.99	14.15	0.14	1.7	0.042	3.71	8.3	8.2	0.39	302	5.45	1.23	2.8	475	470
I076024		9.54	4.60	0.20	0.4	0.110	0.37	5.2	2.5	7.25	4130	0.13	0.01	2.7	7.7	230
I076025		7.12	0.96	0.14	0.1	0.067	0.05	2.1	1.6	10.15	4290	0.05	0.01	0.5	2.3	90
I076026		0.49	0.39	0.15	<0.1	<0.005	0.04	0.9	1.2	13.25	221	0.30	0.01	0.4	2.4	220
I076027		4.56	4.93	0.12	0.8	0.031	0.64	11.4	10.2	6.40	1680	0.76	0.01	7.6	22.4	450
I076028		6.15	3.44	0.14	0.6	0.040	0.32	8.0	3.3	6.15	1870	0.50	0.01	4.6	11.9	270

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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 27-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10098844

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I076013		23.2	3.5	<0.002	0.03	0.37	0.5	2	0.7	65.4	<0.05	<0.05	<0.2	0.012	0.03	0.3
I076014		94.9	19.9	<0.002	0.01	2.15	1.2	2	1.9	102.5	0.08	<0.05	0.2	0.039	0.33	0.8
I076015		271	3.0	<0.002	0.04	4.84	1.2	3	1.6	56.7	<0.05	0.10	<0.2	0.007	1.71	1.7
I076016		40.2	1.4	<0.002	0.01	0.64	0.5	2	0.2	136.5	<0.05	<0.05	<0.2	<0.005	0.03	0.3
I076017		51.4	1.1	<0.002	<0.01	0.72	0.3	1	0.2	124.0	<0.05	<0.05	<0.2	<0.005	0.04	0.3
I076018		283	8.8	<0.002	0.05	2.07	1.5	2	4.3	105.0	0.07	0.11	0.3	0.043	0.21	1.1
I076019		542	21.7	<0.002	0.43	4.24	2.2	4	16.8	73.1	0.11	0.37	0.6	0.060	0.32	1.5
I076020		57.8	1.5	<0.002	0.22	1.89	0.3	2	0.6	123.5	<0.05	0.08	<0.2	<0.005	0.04	0.3
I076021		18.5	1.8	<0.002	0.14	1.23	0.2	2	0.3	120.0	<0.05	0.06	<0.2	<0.005	0.05	0.3
I076022		27.0	1.5	<0.002	0.41	1.70	0.4	2	0.3	127.5	<0.05	0.29	<0.2	<0.005	0.07	0.3
I076023		183.5	920	<0.002	0.32	2.76	3.1	1	3.4	53.7	2.12	0.18	2.1	0.085	8.57	1.0
I076024		12.5	20.2	<0.002	1.10	3.95	1.6	2	1.5	94.8	0.14	0.06	0.4	0.070	0.16	0.6
I076025		23.2	3.4	<0.002	2.79	1.43	0.6	2	0.2	124.5	<0.05	<0.05	<0.2	0.008	0.02	0.2
I076026		1.4	1.8	<0.002	0.01	<0.05	0.2	2	<0.2	46.5	<0.05	<0.05	<0.2	0.006	<0.02	0.5
I076027		3.3	27.9	<0.002	0.01	2.29	3.0	2	1.7	42.7	0.39	0.05	2.2	0.091	0.25	0.8
I076028		4.3	15.8	<0.002	0.01	2.33	2.0	2	1.3	52.2	0.24	0.06	1.5	0.053	0.15	0.8

***** See Appendix Page for comments regarding this certificate *****

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 27-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10098844

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
I076013		13	1.1	4.3	140	4.5
I076014		14	4.7	10.4	705	12.7
I076015		12	24.7	22.7	3920	7.0
I076016		4	19.6	10.5	206	1.0
I076017		3	5.3	9.3	259	1.1
I076018		14	17.3	11.9	1180	16.5
I076019		17	37.6	13.7	2160	26.4
I076020		2	50.0	6.5	264	1.2
I076021		2	24.2	8.2	156	2.1
I076022		4	151.5	7.8	166	1.5
I076023		22	9.6	3.7	146	68.1
I076024		14	32.1	9.1	73	16.6
I076025		4	0.7	6.7	97	3.4
I076026		2	0.2	1.0	17	0.8
I076027		18	7.1	10.9	48	34.1
I076028		11	17.1	9.7	26	25.2

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 27-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10098844

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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Finalized Date: 3-AUG-2010
Account: RCM

CERTIFICATE VA10098845

Project: RAU

P.O. No.: BATCH 47

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 21-JUL-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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Project: RAU

Finalized Date: 3-AUG-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10098845

Sample Description	Method	WEI-21	Au-AA26	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
I076157		18.04	<0.01	<0.01	0.13	15	40	0.06	0.07	34.7	0.07	2.73	1.0	2	0.08	1.7
I076158		5.42	<0.01	0.01	0.33	<5	80	0.16	0.19	25.5	0.03	3.41	1.1	4	0.41	2.5
I076159		3.76	<0.01	0.01	0.13	<5	40	0.05	0.20	32.2	0.02	2.12	0.8	2	0.32	2.8
I076160		1.12	0.07	0.06	0.51	123	120	0.15	61.8	18.70	0.05	8.64	1.5	6	2.35	8.3
I076161		0.28	0.37	1.83	0.14	6010	50	0.08	76.8	16.35	2.58	15.05	1.7	7	0.35	19.2
I076162		1.16	0.02	0.03	0.62	106	120	0.23	2.88	20.5	0.16	7.58	1.7	6	2.30	4.2
I076163		3.64	8.21	0.16	0.25	6830	40	0.05	404	13.25	0.09	16.30	1.3	4	1.16	9.4
I076164		2.70	<0.01	0.01	0.94	49	160	0.25	0.89	30.6	0.05	6.76	5.4	12	1.08	6.2
I076165		5.80	<0.01	0.05	7.56	3.8	980	0.76	0.53	6.04	0.17	28.6	27.1	238	11.05	69.6
I076166		2.84	<0.01	0.06	7.27	4.9	1060	0.61	0.54	6.25	0.04	28.3	37.3	222	36.7	46.4
I076167		4.82	<0.01	0.24	6.76	103.0	1120	0.77	51.4	3.59	<0.02	21.6	62.0	198	37.5	97.1
I076168		7.26	<0.01	0.05	0.84	11	160	0.26	0.09	30.6	0.13	18.10	9.8	26	0.35	7.3
I076169		3.66	0.01	3.61	7.50	82.1	1020	1.89	4.08	8.34	0.52	64.9	286	419	4.70	895
I076170		10.50	<0.01	0.12	11.00	1.4	1140	2.66	0.10	0.76	<0.02	86.6	59.1	479	14.05	71.1
I076171		11.88	0.01	0.01	2.55	<5	150	0.59	0.06	26.1	0.08	30.9	10.6	45	1.89	8.4
I076172		8.94	<0.01	0.25	8.22	33.6	7270	1.41	4.66	2.71	0.27	86.3	36.6	245	5.68	115.5
I076173		8.42	<0.01	0.06	2.18	5	1710	0.44	0.95	21.6	0.38	26.3	13.2	60	1.58	24.1
I076174		4.06	<0.01	0.19	6.24	20	6130	1.40	2.26	10.45	0.09	65.2	33.1	185	4.80	57.1
I076175		10.08	<0.01	0.11	7.33	6.2	6410	1.47	0.45	6.83	0.43	78.2	40.6	236	6.60	64.7
I076176		0.26	0.37	7.47	5.21	0.6	70	1.07	1.46	1.31	0.02	20.5	8.8	29	21.5	13.5
I076177		5.74	<0.01	0.23	6.51	53.8	140	0.60	7.95	5.85	0.02	35.9	52.0	183	40.3	31.5
I076178		4.10	<0.01	0.01	0.08	8	20	0.08	0.04	20.4	0.05	1.26	1.4	3	0.23	2.7
I076179		3.66	0.01	0.16	5.65	23.2	270	0.33	4.10	5.84	<0.02	24.3	54.7	223	22.7	69.9
I076180		3.78	<0.01	0.13	6.46	15.2	570	0.54	0.02	6.19	0.02	20.8	48.5	206	16.80	67.7
I076181		1.92	<0.01	0.11	6.23	14.9	520	0.54	0.02	6.22	0.02	20.3	46.0	207	16.30	57.8
I076182		5.30	<0.01	0.18	5.10	25	30	0.69	0.70	10.90	0.08	22.6	26.6	134	6.21	69.7
I076183		1.50	<0.01	0.11	2.52	7	410	0.66	0.03	23.5	0.02	32.1	6.1	21	1.12	9.1
I076184		3.20	<0.01	0.07	1.50	11	190	0.39	0.02	30.1	0.07	22.5	4.3	15	0.67	6.1
I076185		5.02	<0.01	0.04	0.62	7	110	0.15	0.01	33.7	0.08	9.85	4.1	7	0.22	3.9
I076186		5.54	<0.01	0.09	0.82	14	140	0.23	0.01	31.3	0.07	23.4	11.0	15	0.21	6.5
I076187		4.42	<0.01	0.25	7.21	5.0	560	0.80	0.01	6.94	0.12	50.1	59.6	250	3.44	85.3
I076188		8.62	<0.01	0.21	7.11	5.2	160	0.89	0.02	7.05	0.07	51.6	54.9	249	2.75	67.6
I076189		5.18	<0.01	0.01	0.09	6	20	0.07	0.02	21.4	0.07	1.44	1.5	4	0.18	2.0
I076190		4.00	<0.01	0.23	7.18	2.5	280	1.02	0.03	7.05	0.09	55.1	59.1	241	6.07	44.4
I076191		8.20	0.01	0.20	6.81	3.0	560	0.97	0.03	8.25	0.11	54.6	60.0	227	9.05	58.2
I076192		3.92	<0.01	0.27	11.95	64.2	3310	3.07	3.65	0.28	<0.02	83.6	15.4	227	13.45	15.0

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 3-AUG-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10098845

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I076157		0.20	0.39	0.16	0.1	<0.005	0.06	3.1	<0.2	0.27	162	0.09	0.01	0.8	<0.2	100
I076158		0.24	1.19	0.19	0.1	0.011	0.16	2.0	2.7	6.96	181	0.49	0.01	0.6	<0.2	10
I076159		0.19	0.53	0.19	0.1	0.038	0.07	1.3	0.8	2.58	244	0.20	0.01	0.4	<0.2	10
I076160		5.71	2.31	0.14	0.2	0.068	0.32	4.3	3.9	9.80	1880	0.64	0.01	0.7	3.2	20
I076161		10.60	1.35	0.18	0.1	0.137	0.05	6.3	1.7	8.83	4510	2.39	0.01	1.2	5.2	130
I076162		1.41	2.76	0.09	0.3	0.022	0.36	4.3	5.9	11.05	997	0.17	0.01	1.0	2.6	20
I076163		14.70	1.86	0.27	0.1	0.103	0.15	8.8	2.5	7.19	2610	0.12	0.01	0.6	1.7	30
I076164		0.94	2.76	0.06	0.3	0.040	0.48	3.4	4.2	1.03	531	0.26	0.02	1.7	6.0	20
I076165		7.42	20.6	0.21	0.8	0.067	4.16	14.6	26.7	2.90	375	0.45	0.10	5.5	159.0	730
I076166		7.82	21.7	0.26	0.5	0.061	4.48	14.8	30.8	3.07	605	0.21	0.06	10.7	196.5	600
I076167		8.36	24.1	0.24	1.1	0.023	5.64	9.3	31.6	4.90	322	0.42	0.12	9.1	175.5	740
I076168		1.14	2.49	0.09	0.5	0.009	0.39	8.7	2.6	0.84	689	0.77	0.01	7.5	7.3	460
I076169		15.25	24.0	0.32	1.8	0.113	2.46	33.2	19.9	1.25	1440	6.20	0.46	34.2	450	1270
I076170		14.10	38.7	0.43	0.4	0.145	4.22	40.3	46.8	1.35	867	0.98	0.39	60.7	492	1600
I076171		2.32	7.31	0.12	1.1	0.031	1.23	18.1	13.1	1.55	331	0.30	0.04	14.8	23.4	500
I076172		8.56	24.9	0.31	2.9	0.083	4.09	45.2	23.9	1.78	390	6.57	0.08	23.9	181.5	1990
I076173		2.56	6.31	0.12	1.2	0.025	1.03	14.9	7.7	3.92	612	1.61	0.03	9.8	43.2	570
I076174		4.94	19.65	0.22	2.9	0.054	3.09	34.8	19.6	1.31	411	2.57	0.07	36.7	105.5	1310
I076175		5.91	22.4	0.25	2.3	0.083	3.61	42.9	26.8	1.75	511	2.46	0.07	44.0	149.5	1690
I076176		2.03	16.65	0.19	1.6	0.021	3.42	11.5	7.6	0.62	285	9.99	1.25	2.3	8.2	430
I076177		6.27	18.55	0.12	0.5	0.030	4.41	19.5	46.2	4.92	418	0.56	0.11	8.5	207	810
I076178		0.43	0.40	0.21	<0.1	<0.005	0.03	0.6	1.3	12.95	192	0.05	0.01	0.3	0.2	200
I076179		9.63	15.45	0.16	0.4	0.028	4.01	12.3	31.2	2.69	298	0.45	0.19	6.2	245	670
I076180		8.99	17.45	0.13	0.7	0.041	3.88	10.2	33.8	3.67	304	0.25	0.23	6.4	229	600
I076181		8.89	16.90	0.13	0.6	0.041	3.71	10.0	33.2	3.55	308	0.23	0.21	5.7	223	570
I076182		5.78	13.15	0.09	0.9	0.047	2.74	10.8	31.3	6.14	382	0.34	0.03	3.9	173.0	330
I076183		1.55	6.94	<0.05	1.0	0.020	1.45	17.5	10.8	3.55	356	0.63	0.01	17.1	12.2	360
I076184		1.01	3.86	<0.05	0.7	0.020	0.89	12.4	5.8	0.95	341	0.53	0.01	10.4	6.6	220
I076185		0.73	1.56	<0.05	0.4	0.007	0.35	5.3	2.1	0.79	511	0.94	0.01	4.1	6.5	130
I076186		2.47	2.41	<0.05	0.4	0.013	0.09	10.4	3.9	1.14	1940	0.53	<0.01	10.3	8.7	630
I076187		7.79	18.95	0.16	0.8	0.069	0.68	25.4	47.4	4.86	1100	0.52	1.16	31.5	230	1450
I076188		7.46	18.90	0.14	1.0	0.065	0.36	25.8	37.0	5.87	1240	0.76	1.76	31.5	227	1420
I076189		0.47	0.45	0.22	<0.1	<0.005	0.03	0.7	1.4	12.75	199	0.05	0.01	0.3	1.4	190
I076190		7.97	19.80	0.16	1.0	0.067	0.65	27.5	54.9	6.35	1300	0.88	1.27	33.6	239	1470
I076191		7.93	18.90	0.15	0.7	0.070	0.98	27.3	54.6	5.17	1850	0.58	1.24	30.5	241	1490
I076192		5.29	39.1	0.18	0.6	0.106	4.45	42.0	58.4	1.74	96	3.14	0.19	57.2	91.2	1650

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VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 3-AUG-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10098845

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I076157		1.0	2.0	<0.002	0.07	0.05	0.5	2	<0.2	137.5	<0.05	<0.05	<0.2	0.013	<0.02	0.1
I076158		1.1	6.7	<0.002	0.16	0.30	0.8	2	<0.2	97.5	<0.05	<0.05	0.5	0.014	0.05	0.5
I076159		0.8	4.1	<0.002	0.06	0.17	0.4	2	<0.2	143.5	<0.05	<0.05	0.2	0.006	0.03	0.8
I076160		2.2	28.3	0.002	3.77	2.09	1.5	2	0.3	86.3	<0.05	0.07	0.6	0.018	0.18	0.7
I076161		108.5	5.9	<0.002	8.91	3.49	0.6	2	3.8	116.5	<0.05	0.13	0.8	0.008	0.07	0.4
I076162		1.9	31.5	<0.002	0.63	3.03	1.4	2	0.3	75.1	0.07	<0.05	1.1	0.029	0.18	0.7
I076163		5.5	16.7	<0.002	>10.0	19.05	1.1	2	0.3	91.5	<0.05	0.28	0.5	0.012	0.10	0.4
I076164		1.8	19.9	<0.002	0.43	0.16	2.6	2	0.5	275	0.10	<0.05	1.0	0.050	0.09	0.4
I076165		5.9	111.5	0.002	0.38	1.04	28.1	1	0.9	79.3	0.36	<0.05	2.0	0.598	0.75	0.4
I076166		3.1	224	<0.002	0.09	0.74	28.9	1	2.0	55.2	0.65	<0.05	2.1	0.707	1.87	0.3
I076167		2.2	500	<0.002	5.86	0.52	25.2	3	12.6	62.8	0.52	0.18	1.6	0.501	2.76	0.7
I076168		2.2	12.0	<0.002	0.27	0.21	2.1	2	0.2	254	0.44	<0.05	1.2	0.109	0.08	0.8
I076169		9.2	66.8	0.002	0.18	0.52	29.1	2	3.2	176.0	2.27	0.13	4.4	1.145	0.34	1.7
I076170		2.7	111.0	0.003	0.02	0.21	57.5	3	4.1	90.4	4.15	<0.05	7.0	2.21	0.81	0.8
I076171		4.1	54.8	<0.002	0.70	0.07	7.4	1	0.7	976	0.98	<0.05	2.5	0.372	0.17	0.7
I076172		11.7	132.5	0.011	0.37	1.29	24.8	3	2.2	106.0	1.49	0.09	8.2	0.770	2.18	4.2
I076173		3.9	35.9	0.002	0.02	0.28	6.4	2	0.6	315	0.62	<0.05	2.3	0.275	0.52	2.0
I076174		8.5	103.5	0.008	0.03	0.59	20.3	2	1.8	132.5	2.35	0.07	6.6	0.847	1.38	3.4
I076175		3.7	128.5	0.008	0.09	0.28	23.9	2	1.9	95.3	2.88	<0.05	6.6	0.960	1.54	2.5
I076176		13.4	770	<0.002	0.01	0.75	8.2	1	1.2	56.8	0.23	<0.05	1.4	0.244	5.95	0.7
I076177		2.1	367	<0.002	4.93	0.49	22.1	1	5.2	47.5	0.46	0.46	1.6	0.480	2.73	0.4
I076178		1.6	1.8	<0.002	0.01	0.57	0.4	1	<0.2	44.4	<0.05	<0.05	<0.2	<0.005	<0.02	0.7
I076179		2.2	187.0	<0.002	>10.0	0.63	21.4	1	2.3	65.0	0.32	0.15	1.3	0.354	1.58	0.2
I076180		2.6	81.7	<0.002	>10.0	1.31	21.9	1	1.0	67.7	0.34	<0.05	1.4	0.372	0.96	0.3
I076181		2.6	77.4	<0.002	>10.0	1.40	21.1	1	0.9	65.2	0.31	<0.05	1.4	0.343	0.93	0.4
I076182		6.3	69.1	<0.002	6.76	6.23	17.0	1	1.3	70.8	0.21	<0.05	1.1	0.252	0.60	0.9
I076183		2.0	41.7	0.004	0.12	0.83	4.7	2	0.6	213	1.03	<0.05	3.0	0.238	0.26	0.7
I076184		1.8	24.0	<0.002	<0.01	0.10	2.9	2	0.4	246	0.62	<0.05	1.8	0.145	0.14	0.5
I076185		0.9	8.1	<0.002	0.03	0.21	1.4	2	0.2	245	0.24	<0.05	0.6	0.054	0.08	0.5
I076186		3.0	3.3	<0.002	0.01	0.40	3.3	2	0.3	212	0.54	<0.05	1.0	0.163	0.06	0.5
I076187		4.2	29.4	<0.002	0.01	0.48	26.4	2	1.3	209	1.97	<0.05	2.9	1.185	0.12	0.6
I076188		4.5	15.2	<0.002	<0.01	1.22	25.1	2	1.3	375	2.01	<0.05	3.1	1.195	0.09	0.6
I076189		1.3	1.5	<0.002	0.01	0.51	0.5	2	<0.2	44.7	<0.05	<0.05	<0.2	0.006	<0.02	0.7
I076190		3.6	31.6	<0.002	<0.01	0.58	26.6	2	1.7	329	2.09	<0.05	3.3	1.235	0.17	0.6
I076191		3.2	51.7	<0.002	<0.01	0.53	23.4	2	1.7	298	1.97	<0.05	3.2	1.195	0.38	0.6
I076192		2.0	123.0	0.004	0.49	0.41	30.8	2	53.1	179.0	3.27	0.36	8.3	0.993	1.09	1.1

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
I076157		1	0.3	4.2	2	3.5
I076158		4	0.2	1.2	4	4.9
I076159		2	0.2	1.1	<2	2.0
I076160		8	163.5	5.5	10	7.1
I076161		6	134.0	7.2	427	4.0
I076162		6	1.1	3.4	25	9.4
I076163		6	37.5	7.2	15	4.6
I076164		7	0.5	3.4	3	12.2
I076165		100	1.8	19.5	85	27.2
I076166		136	0.8	18.7	59	14.5
I076167		150	3.0	14.9	20	41.4
I076168		13	0.2	8.5	5	23.1
I076169		212	4.1	26.3	181	71.9
I076170		221	0.8	26.6	113	14.1
I076171		54	0.4	13.2	40	44.4
I076172		197	0.9	23.0	104	118.5
I076173		57	0.4	17.4	72	49.2
I076174		165	1.2	22.6	25	121.0
I076175		187	0.9	22.0	129	99.6
I076176		52	0.4	12.0	23	56.8
I076177		160	1.6	12.3	29	19.4
I076178		2	0.1	1.0	18	0.7
I076179		141	0.7	14.8	25	15.9
I076180		118	0.5	13.8	33	22.9
I076181		116	0.5	13.6	32	21.0
I076182		63	0.5	11.7	42	34.2
I076183		32	0.5	8.9	12	38.6
I076184		16	0.3	6.0	23	28.1
I076185		6	0.1	2.8	9	15.9
I076186		27	0.2	13.5	12	19.3
I076187		251	0.5	19.4	98	21.0
I076188		250	0.6	19.1	91	26.4
I076189		2	0.1	1.0	16	0.5
I076190		258	0.6	20.1	99	29.6
I076191		239	0.4	18.9	104	19.0
I076192		221	13.9	8.0	13	26.1

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 3-AUG-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10098845

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 27-JUL-2010
This copy reported on 6-AUG-2010
Account: RCM

CERTIFICATE VA10098846

Project: RAU

P.O. No.: BATCH 45

This report is for 33 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 21-JUL-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LOG-23	Pulp Login - Rcvd with Barcode
CRU-31	Fine crushing - 70% <2mm
CRU-QC	Crushing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Project: RAU

Finalized Date: 27-JUL-2010
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CERTIFICATE OF ANALYSIS VA10098846

Sample Description	Method	WEI-21	Au-AA26	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
I076087		5.48	0.10	0.16	0.11	498	20	0.05	48.0	14.25	0.08	7.94	0.7	6	0.30	3.4
I076089		3.16	0.10	0.20	0.10	621	20	<0.05	45.2	14.20	0.08	6.48	0.7	1	0.30	4.9
I076090		0.28	0.40	1.46	0.13	6090	50	0.06	68.6	15.40	2.27	18.35	1.5	7	0.37	14.6
I076091		5.00	0.05	0.11	0.04	214	10	0.08	9.94	18.20	0.05	6.12	0.9	5	0.14	2.4
I076092		5.40	<0.01	0.01	0.05	27	10	0.08	0.48	19.70	0.02	5.25	0.8	1	0.09	1.5
I076093		2.46	0.02	0.99	0.03	60	20	0.10	0.12	20.0	0.10	1.58	0.9	3	0.07	1.1
I076094		2.30	0.07	0.87	0.08	400	20	0.17	0.46	19.65	0.63	2.63	1.1	2	0.25	2.7
I076095		3.02	0.03	1.51	0.20	808	30	0.16	1.32	18.80	1.07	4.17	1.3	5	0.27	8.5
I076096		4.10	0.01	0.69	0.25	645	20	0.20	1.44	19.00	1.15	4.71	1.4	3	0.50	7.3
I076097		7.04	0.01	0.46	0.24	962	30	0.24	1.36	18.90	1.98	5.03	1.5	3	0.22	19.9
I076098		7.78	0.01	0.34	0.16	592	40	0.22	0.22	18.95	1.27	3.53	1.4	3	0.19	9.6
I076099		7.58	<0.01	0.25	0.28	404	180	0.22	0.71	19.05	1.56	4.92	1.4	7	0.44	9.0
I076100		7.36	0.01	0.21	0.51	287	480	0.27	0.31	18.85	2.24	6.85	1.7	10	0.64	6.8
I076101		3.48	<0.01	0.26	0.58	315	440	0.24	0.32	20.7	2.42	7.45	1.6	14	0.62	7.7
I076102		7.44	0.01	0.91	0.43	207	3180	0.26	1.16	20.4	5.21	6.56	1.5	13	0.50	7.1
I076103		8.18	0.01	0.14	0.39	230	530	0.35	0.33	20.9	1.67	5.64	1.3	9	0.42	4.1
I076104		5.54	1.52	0.31	2.28	10000	1090	0.39	150.0	15.90	0.78	31.7	4.9	38	6.80	15.2
I076105		5.90	8.57	0.53	0.96	>10000	640	0.10	497	4.89	0.44	21.8	1.7	19	2.84	12.9
I076106		1.06	2.81	0.35	0.17	>10000	40	<0.05	211	1.22	0.17	10.35	0.7	2	1.96	6.9
I076107		3.76	6.99	0.22	0.08	>10000	20	<0.05	275	6.59	0.05	2.59	0.3	1	0.59	4.5
I076108		3.68	2.62	0.22	0.10	>10000	150	<0.05	75.7	13.85	0.06	4.24	0.8	1	0.76	4.1
I076109		4.80	3.35	0.28	0.13	>10000	10	0.07	219	2.33	0.02	4.60	0.7	<1	1.18	8.2
I076110		1.28	1.68	0.50	0.04	>10000	10	<0.05	285	16.25	0.03	4.73	0.5	3	0.12	3.5
I076111		8.26	2.50	0.15	0.05	>10000	10	<0.05	288	10.25	0.05	4.52	0.6	8	0.22	4.6
I076112		4.88	0.07	0.01	0.05	4700	10	0.08	5.24	20.3	0.06	4.14	0.8	2	0.21	2.0
I076113		0.28	3.60	0.39	0.10	>10000	20	<0.05	246	10.55	0.07	6.78	1.3	11	0.49	32.5
I076114		16.12	1.22	0.12	0.08	>10000	20	<0.05	145.5	15.05	0.07	11.10	0.8	7	0.41	3.7
I076115		6.42	0.72	0.10	0.04	5810	10	<0.05	316	11.35	0.04	4.71	0.7	3	0.11	3.9
I076116		10.52	0.22	0.06	0.11	4310	30	<0.05	7.32	19.70	0.06	9.77	0.7	12	0.25	1.9
I076117		6.88	0.01	0.02	0.07	60	20	<0.05	3.65	20.0	0.08	1.41	1.2	3	0.17	2.7
I076118		13.50	6.77	0.05	0.07	>10000	20	<0.05	190.0	9.27	<0.02	15.75	0.9	16	0.15	6.6
I076119		16.32	19.10	0.08	0.01	>10000	10	<0.05	86.8	6.54	<0.02	6.28	0.4	<1	<0.05	5.9
I076120		12.34	1.26	0.04	0.14	>10000	10	0.09	29.2	15.80	0.17	39.0	0.6	11	0.28	4.2

Comments: **CORRECTED COPY FOR Au-AA26 ON SAMPLES I076087 TO I076120**

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 27-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10098846

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I076087		8.35	0.88	0.06	0.1	0.114	0.06	3.0	1.5	8.13	2320	0.12	0.01	0.3	0.5	100
I076089		9.78	0.91	0.08	<0.1	0.085	0.13	2.5	1.5	8.28	2350	0.11	0.01	0.2	<0.2	70
I076090		10.50	1.36	0.10	0.1	0.140	0.09	7.5	1.7	8.42	4550	2.26	0.01	1.1	4.6	140
I076091		4.06	0.36	<0.05	<0.1	0.051	0.01	3.3	1.3	10.95	1230	0.12	0.01	0.2	0.9	70
I076092		0.83	0.29	<0.05	<0.1	0.028	0.01	3.3	1.2	12.05	777	0.07	<0.01	0.2	<0.2	40
I076093		0.20	0.13	<0.05	<0.1	<0.005	0.01	1.0	3.8	12.65	263	0.13	0.01	0.1	<0.2	20
I076094		0.89	0.26	<0.05	<0.1	0.009	0.02	1.4	3.4	12.25	250	0.22	0.01	0.2	0.8	140
I076095		1.43	0.56	<0.05	0.1	0.014	0.02	2.0	5.2	11.90	243	0.36	0.02	0.3	1.3	310
I076096		1.45	0.95	<0.05	0.1	0.021	0.05	2.3	4.6	11.95	375	1.16	0.02	0.7	1.9	380
I076097		2.13	0.81	<0.05	<0.1	0.043	0.02	2.4	4.3	11.65	647	0.47	0.01	0.2	2.7	240
I076098		1.49	0.32	<0.05	<0.1	0.014	0.02	1.9	3.8	12.00	407	0.38	0.01	0.2	1.9	90
I076099		1.07	0.89	<0.05	0.1	0.011	0.10	2.9	3.6	11.95	349	0.62	0.01	0.8	2.9	500
I076100		0.90	1.05	<0.05	0.3	0.015	0.23	3.9	3.9	11.85	397	0.44	0.02	2.6	4.5	300
I076101		0.92	1.12	<0.05	0.3	0.015	0.25	4.7	3.8	12.90	412	0.40	0.02	3.0	2.8	330
I076102		1.21	1.25	<0.05	0.2	0.038	0.17	3.9	4.3	12.25	1260	0.47	<0.01	2.0	2.8	490
I076103		0.67	1.13	<0.05	0.2	0.005	0.14	3.1	4.2	13.10	338	0.38	0.01	1.4	1.8	620
I076104		9.74	5.25	0.09	0.6	0.070	1.31	18.6	8.7	5.65	771	0.65	0.10	10.9	17.8	470
I076105		26.2	3.20	0.34	0.3	0.353	0.73	12.1	3.7	1.00	898	0.33	0.02	2.5	9.3	230
I076106		44.2	1.36	0.95	0.1	0.334	0.18	4.5	1.4	0.09	1580	0.14	0.01	0.6	4.7	270
I076107		21.7	0.54	0.31	0.1	0.367	0.27	1.7	1.4	3.39	482	<0.05	0.01	0.4	0.3	240
I076108		12.75	0.69	0.17	0.1	0.225	0.08	2.9	2.2	8.17	1150	<0.05	0.01	0.4	1.5	100
I076109		37.9	1.13	0.75	<0.1	0.267	0.12	1.9	0.5	0.64	1600	<0.05	0.01	0.3	1.6	160
I076110		7.57	0.31	0.06	0.1	0.083	0.03	1.8	0.5	1.62	383	0.08	0.01	0.3	<0.2	60
I076111		23.9	0.47	0.41	<0.1	0.100	0.02	1.9	0.6	3.42	1600	0.11	<0.01	0.4	0.2	90
I076112		5.61	0.33	<0.05	<0.1	0.030	0.01	2.9	1.9	11.10	1080	0.13	0.01	0.2	<0.2	70
I076113		22.7	0.91	0.31	0.1	0.179	0.05	2.6	1.3	5.61	1960	4.23	<0.01	0.8	7.4	90
I076114		15.55	0.77	0.16	0.1	0.173	0.04	5.0	1.2	6.65	2770	0.11	<0.01	0.4	<0.2	140
I076115		22.3	0.48	0.39	<0.1	0.094	0.02	2.2	0.8	4.88	1390	0.06	<0.01	0.3	<0.2	130
I076116		3.22	0.72	<0.05	0.1	0.086	0.05	4.9	1.9	10.95	1890	0.07	0.01	0.4	<0.2	160
I076117		0.49	0.25	0.07	<0.1	<0.005	0.03	0.6	1.2	13.20	201	0.07	0.01	0.3	3.7	250
I076118		23.1	0.79	0.50	0.1	0.214	0.03	8.7	1.0	4.52	1300	<0.05	<0.01	0.4	3.4	90
I076119		26.2	0.39	0.44	<0.1	0.365	0.01	3.1	0.6	3.36	1160	<0.05	<0.01	0.2	<0.2	10
I076120		8.70	0.92	0.07	<0.1	0.265	0.03	21.5	1.6	8.79	2860	0.09	0.01	0.2	<0.2	70

Comments: **CORRECTED COPY FOR Au-AA26 ON SAMPLES I076087 TO I076120**

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Project: RAU

Finalized Date: 27-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10098846

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I076087		6.2	4.7	<0.002	9.16	2.27	2.5	4	0.4	113.0	<0.05	0.07	<0.2	0.005	0.03	0.1
I076089		3.8	10.9	<0.002	>10.0	1.88	1.2	6	0.3	116.0	<0.05	0.06	<0.2	<0.005	0.04	0.1
I076090		107.0	8.5	0.003	8.73	3.22	0.6	3	3.7	116.5	<0.05	0.10	0.8	0.008	0.07	0.5
I076091		2.3	1.2	<0.002	4.41	0.80	0.5	3	0.2	73.1	<0.05	0.05	0.2	<0.005	0.04	0.1
I076092		1.1	1.3	<0.002	0.53	0.22	0.5	3	0.2	58.8	<0.05	<0.05	<0.2	<0.005	<0.02	0.1
I076093		3.1	0.6	<0.002	0.01	0.12	0.3	2	<0.2	59.8	<0.05	<0.05	<0.2	<0.005	<0.02	0.7
I076094		7.1	3.5	<0.002	0.01	0.73	0.5	2	0.2	59.0	<0.05	<0.05	<0.2	<0.005	0.04	1.1
I076095		9.4	3.1	<0.002	<0.01	2.69	0.8	2	0.2	59.6	<0.05	<0.05	0.3	0.005	0.04	1.8
I076096		10.9	8.5	<0.002	0.01	2.05	0.8	3	0.4	66.7	<0.05	<0.05	0.4	0.012	0.09	1.4
I076097		11.9	3.5	<0.002	<0.01	2.15	1.2	3	0.4	67.3	<0.05	<0.05	0.2	<0.005	0.06	1.7
I076098		8.0	3.4	<0.002	<0.01	1.16	0.7	2	0.2	62.1	<0.05	<0.05	<0.2	<0.005	0.04	0.9
I076099		23.3	12.5	<0.002	0.01	1.54	0.9	3	0.7	67.9	0.05	<0.05	0.5	0.015	0.11	3.1
I076100		21.2	16.8	<0.002	0.01	0.96	1.5	3	0.6	70.6	0.15	<0.05	0.7	0.045	0.15	2.4
I076101		24.0	18.3	<0.002	0.02	0.94	1.6	3	0.6	74.3	0.18	<0.05	0.8	0.057	0.16	2.3
I076102		47.6	14.0	<0.002	0.10	1.11	1.2	3	1.0	91.3	0.12	<0.05	0.7	0.036	0.15	4.1
I076103		15.2	12.1	<0.002	0.02	0.83	1.1	3	0.3	77.5	0.09	<0.05	0.7	0.029	0.11	5.1
I076104		25.1	97.8	<0.002	0.17	7.63	3.8	3	2.3	129.5	0.67	0.16	3.4	0.165	0.69	0.9
I076105		15.2	61.2	<0.002	0.54	29.0	1.5	8	2.2	116.0	0.13	1.33	1.7	0.037	0.21	1.9
I076106		8.4	41.8	<0.002	0.37	16.55	0.7	5	1.3	86.5	<0.05	0.48	0.2	0.008	0.11	1.9
I076107		7.9	13.1	<0.002	0.68	27.5	0.2	4	1.0	118.5	<0.05	0.88	<0.2	0.008	0.03	0.2
I076108		5.1	7.3	<0.002	0.37	11.90	0.7	6	1.3	39.4	<0.05	0.40	<0.2	0.008	0.04	0.1
I076109		6.9	13.1	<0.002	3.26	20.4	0.6	8	1.3	27.2	<0.05	0.80	0.2	0.005	0.06	0.3
I076110		4.3	5.4	<0.002	>10.0	13.20	0.5	5	0.4	66.2	<0.05	0.60	<0.2	0.005	0.07	0.2
I076111		3.7	1.9	<0.002	>10.0	13.75	0.4	4	0.2	55.1	<0.05	0.30	<0.2	<0.005	0.02	0.2
I076112		1.6	1.4	<0.002	1.86	1.00	0.4	3	<0.2	44.5	<0.05	0.05	<0.2	<0.005	<0.02	0.1
I076113		8.3	5.1	<0.002	>10.0	22.2	0.6	5	3.0	70.6	<0.05	0.63	0.2	0.006	0.04	0.7
I076114		4.6	2.4	<0.002	>10.0	5.73	0.5	4	0.2	89.9	<0.05	0.59	<0.2	<0.005	0.04	0.2
I076115		3.8	0.9	<0.002	>10.0	4.79	0.4	4	0.3	48.4	<0.05	0.33	<0.2	<0.005	0.03	0.1
I076116		2.7	2.3	<0.002	0.92	1.32	0.6	3	0.3	100.5	<0.05	0.16	<0.2	0.006	0.02	0.1
I076117		1.6	1.3	<0.002	0.02	0.15	0.3	3	<0.2	47.9	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
I076118		4.0	1.1	<0.002	>10.0	19.85	0.7	10	1.2	61.2	<0.05	1.15	<0.2	0.005	<0.02	0.2
I076119		3.6	0.1	0.002	>10.0	37.0	0.5	11	0.9	47.3	<0.05	1.83	<0.2	<0.005	<0.02	<0.1
I076120		5.1	2.5	<0.002	3.06	4.51	0.8	4	0.2	124.5	<0.05	0.48	<0.2	<0.005	0.03	0.7

Comments: **CORRECTED COPY FOR Au-AA26 ON SAMPLES I076087 TO I076120**

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 27-JUL-2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10098846

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	As-OG62
	Analyte	V	W	Y	Zn	Zr	As
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
I076087		8	1.0	8.7	28	2.3	
I076089		8	12.1	7.9	13	1.2	
I076090		3	127.0	6.6	423	3.6	
I076091		4	76.8	4.3	10	1.0	
I076092		3	0.8	3.5	5	1.0	
I076093		2	0.5	0.9	33	<0.5	
I076094		4	2.5	1.5	141	1.3	
I076095		7	5.3	2.5	223	2.4	
I076096		9	4.7	2.8	353	5.2	
I076097		7	3.7	3.2	296	1.7	
I076098		7	2.1	2.2	194	1.1	
I076099		17	3.8	3.3	168	5.4	
I076100		15	1.3	2.9	201	10.8	
I076101		20	1.4	3.0	229	12.3	
I076102		29	1.7	3.2	646	9.5	
I076103		31	1.1	3.1	182	9.6	
I076104		31	127.0	7.8	196	24.4	0.858
I076105		11	110.5	4.9	56	11.2	11.25
I076106		14	155.0	7.4	27	4.9	7.80
I076107		11	131.5	1.6	4	2.7	15.60
I076108		7	93.2	3.5	9	3.0	7.11
I076109		5	154.0	2.9	13	2.8	7.77
I076110		3	135.0	2.5	6	2.5	1.665
I076111		2	12.7	4.4	6	1.9	1.445
I076112		4	1.4	4.1	7	1.3	
I076113		3	291	5.1	16	3.4	5.92
I076114		4	31.9	7.5	13	2.7	1.215
I076115		4	48.5	4.3	7	1.8	
I076116		9	22.7	7.8	15	2.7	
I076117		<1	0.4	0.8	15	<0.5	
I076118		5	109.5	5.0	7	2.4	8.65
I076119		1	349	3.0	7	<0.5	16.15
I076120		6	77.3	14.1	28	1.1	2.05

Comments: **CORRECTED COPY FOR Au-AA26 ON SAMPLES I076087 TO I076120**

***** See Appendix Page for comments regarding this certificate *****

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 27-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10098846

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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Finalized Date: 27-JUL-2010
Account: RCM

CERTIFICATE VA10099507

Project: RAU

P.O. No.: BATCH 52

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 22-JUL-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

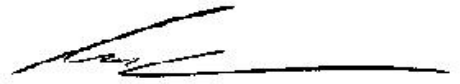
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Project: RAU

Finalized Date: 27-JUL-2010
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CERTIFICATE OF ANALYSIS VA10099507

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA26 Au ppm 0.01	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
I076337		2.24	<0.01	0.26	9.09	81	1570	3.09	0.23	13.10	2.86	133.0	6.6	61	12.30	1.7
I076338		2.18	<0.01	1.37	9.11	91	1420	3.02	0.15	12.45	6.09	123.5	11.6	58	11.10	12.7
I076339		2.60	0.02	0.93	5.49	350	1600	1.18	0.12	20.8	17.40	80.2	26.6	33	4.65	88.5
I076340		7.44	<0.01	0.02	0.40	18	100	0.23	0.03	33.8	0.08	6.29	2.1	5	0.39	4.2
I076341		8.00	0.02	0.11	3.52	16	240	1.12	0.03	19.95	0.11	78.1	17.5	25	3.06	11.3
I076342		7.28	0.02	0.09	3.18	10	630	1.18	0.08	22.2	0.12	37.0	16.0	26	2.76	16.5
I076343		7.18	0.02	0.14	2.04	14	150	0.85	0.25	13.65	0.07	31.6	22.6	32	5.93	19.3
I076344		4.88	<0.01	0.07	7.80	2.2	1200	1.86	0.05	2.12	<0.02	122.5	20.7	65	20.6	4.6
I076345		5.72	<0.01	0.11	8.26	1.7	970	1.92	0.05	0.78	<0.02	132.0	21.0	67	21.7	2.6
I076346		5.00	<0.01	0.01	0.09	6	<10	0.13	0.05	20.6	0.07	1.46	1.1	2	0.18	1.9
I076347		6.68	<0.01	0.11	8.29	2.1	1080	1.78	0.09	1.85	0.03	145.5	23.5	67	20.3	2.4
I076348		6.50	<0.01	0.10	4.47	<5	540	0.83	0.05	21.2	0.09	64.0	21.8	31	6.57	30.5
I076349		7.82	<0.01	0.11	5.12	<5	730	1.04	0.07	19.00	0.19	84.8	23.7	29	5.58	31.3
I076350		7.50	0.01	0.07	5.07	<5	630	1.36	0.11	19.55	0.16	96.1	30.7	29	6.08	34.1
I076351		5.64	0.01	0.17	8.38	8.3	900	2.06	1.52	6.27	0.05	103.5	33.6	56	12.80	66.7
I076352		6.86	<0.01	0.34	6.70	43	440	2.18	2.31	10.40	0.45	102.5	30.1	41	27.5	28.0
I076353		6.52	0.02	0.19	1.52	15	150	0.51	1.73	17.95	0.35	26.7	15.5	13	10.25	14.4
I076354		8.12	0.05	0.37	4.07	46	330	1.24	4.54	14.05	0.60	59.7	26.5	24	20.9	23.3
I076355		7.24	0.08	1.13	0.05	61	<10	0.19	6.97	18.60	5.37	4.30	1.6	1	0.26	8.2
I076356		5.58	0.11	0.13	0.10	652	<10	0.11	17.90	18.65	0.05	4.78	1.1	1	0.49	2.1
I076357		9.26	0.03	0.31	0.06	105	10	<0.05	56.0	16.25	0.06	6.69	1.1	2	0.28	9.5
I076358		8.08	0.02	0.37	0.03	59	10	0.10	28.6	18.20	0.31	8.50	1.0	4	0.31	10.4
I076359		8.48	0.03	0.85	0.08	160	10	0.05	68.2	16.15	0.08	8.24	1.4	1	0.42	15.3
I076360		7.84	0.03	0.22	0.07	24	10	<0.05	216	16.05	0.05	8.05	1.8	3	0.34	14.6
I076361		3.98	0.02	0.15	0.07	43	10	<0.05	276	15.75	0.05	7.74	3.2	10	0.36	14.3
I076362		8.20	0.01	0.14	0.10	31	10	<0.05	92.4	16.85	0.07	8.57	1.2	6	0.47	13.2
I076363		7.94	0.04	0.21	0.09	181	10	0.05	37.8	18.00	0.07	6.91	1.5	1	0.46	7.6
I076364		0.28	2.57	0.75	0.16	1880	20	0.08	99.0	15.05	1.67	10.90	1.7	13	0.85	34.4
I076365		9.22	0.13	0.27	0.08	262	10	<0.05	49.3	16.45	0.09	10.25	1.8	1	0.57	12.9
I076366		8.30	0.04	0.11	0.04	238	10	<0.05	6.18	16.80	0.05	7.97	2.6	<1	0.29	11.8
I076367		5.76	0.09	0.12	0.09	473	20	0.05	10.15	16.35	0.05	7.75	1.9	1	0.66	5.6
I076368		4.30	0.37	0.16	0.09	>10000	20	<0.05	13.55	16.10	0.04	7.18	2.3	1	0.58	4.5
I076369		0.28	2.70	0.71	0.16	1860	20	<0.05	98.8	14.80	1.37	11.45	1.7	13	0.85	35.1
I076370		6.84	0.05	0.07	0.13	1150	30	0.13	10.30	20.5	0.04	7.92	1.7	3	0.87	1.7
I076371		5.04	0.01	0.02	0.06	<5	10	<0.05	0.34	19.85	0.07	1.26	1.2	6	0.16	1.5
I076372		8.44	0.22	0.09	0.14	3000	30	0.12	24.7	17.30	0.04	8.36	2.3	6	1.12	4.7

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 27-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10099507

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I076337		2.08	20.6	0.22	1.1	0.121	4.29	62.9	7.6	0.40	964	0.34	0.07	83.3	34.4	1440
I076338		3.04	21.2	0.26	2.9	0.105	4.09	59.7	10.4	0.57	759	0.29	0.08	80.8	47.9	1530
I076339		5.26	15.05	0.21	2.1	0.064	1.94	39.4	11.4	0.52	1840	0.80	0.04	40.1	63.9	3030
I076340		1.40	1.35	0.07	0.1	<0.005	0.15	4.7	1.0	2.00	275	0.21	<0.01	2.2	6.5	290
I076341		7.60	10.20	0.22	0.3	0.041	1.68	45.4	5.4	2.22	153	0.53	0.03	23.9	49.0	790
I076342		4.91	9.16	0.16	0.9	0.033	1.39	18.5	6.6	2.09	503	0.21	0.03	24.9	35.3	1060
I076343		25.0	19.40	0.45	0.9	0.037	0.50	19.1	3.2	2.18	517	1.54	0.04	16.3	63.2	4160
I076344		14.90	23.4	0.42	0.4	0.092	4.29	62.2	28.3	1.72	157	0.32	0.25	50.4	99.3	1720
I076345		15.90	24.0	0.44	0.5	0.102	4.52	64.5	22.8	1.79	120	0.23	0.49	22.7	98.1	1260
I076346		0.47	0.33	0.16	<0.1	<0.005	0.03	0.7	1.1	13.00	203	0.19	0.01	0.4	3.0	200
I076347		14.00	23.0	0.41	1.0	0.097	4.82	71.9	27.7	1.76	126	0.34	0.33	19.5	99.8	2870
I076348		5.10	11.55	0.18	1.9	0.051	2.32	30.8	12.3	1.35	790	0.15	0.19	31.8	45.2	1890
I076349		5.38	14.15	0.23	1.6	0.062	2.55	41.5	13.0	1.31	739	0.11	0.18	36.3	44.7	2300
I076350		5.21	14.10	0.23	1.8	0.092	2.56	49.4	21.9	1.46	1280	0.10	0.06	32.4	54.0	2140
I076351		6.23	23.4	0.29	2.0	0.051	4.48	47.8	31.1	2.29	265	0.18	0.12	35.1	111.5	1350
I076352		5.65	20.5	0.26	1.6	0.122	4.10	49.4	13.3	5.25	1300	0.16	0.04	32.3	77.9	1930
I076353		2.63	5.03	0.12	0.6	0.016	0.80	13.2	5.8	9.27	762	0.16	0.01	5.1	26.8	2370
I076354		4.89	13.15	0.19	1.1	0.100	2.36	30.6	14.4	7.35	1400	0.22	0.02	10.3	55.0	1500
I076355		3.02	0.44	0.09	<0.1	0.112	0.02	2.9	1.5	11.00	1630	0.15	<0.01	0.4	4.5	70
I076356		5.13	0.64	0.13	0.1	0.024	0.05	2.6	1.5	10.75	1420	0.12	0.01	0.7	4.3	80
I076357		9.74	0.61	0.17	<0.1	0.053	0.02	2.7	3.3	9.09	2590	0.10	<0.01	0.4	1.2	170
I076358		8.64	0.55	<0.05	<0.1	0.056	0.02	3.8	2.1	10.55	2650	0.08	0.01	0.1	0.3	90
I076359		13.35	0.85	0.20	0.1	0.073	0.04	3.5	1.8	9.19	2690	0.09	0.01	0.3	0.5	160
I076360		11.30	0.67	0.22	0.1	0.060	0.03	3.1	2.0	9.82	2530	0.09	0.01	0.4	3.3	150
I076361		11.95	0.77	0.24	<0.1	0.058	0.04	3.0	1.7	9.62	2370	0.09	0.01	0.5	4.9	120
I076362		9.79	0.99	0.20	0.1	0.067	0.05	3.3	2.2	10.15	2690	0.09	0.01	0.5	3.6	140
I076363		9.97	0.79	0.05	0.1	0.051	0.04	2.9	1.9	10.05	2860	0.10	0.01	0.4	0.5	130
I076364		10.60	1.30	0.21	0.2	0.039	0.08	5.3	2.6	8.63	1840	4.24	0.01	0.8	8.0	90
I076365		12.85	0.71	0.13	0.1	0.048	0.04	5.2	1.7	9.60	2180	0.11	0.01	0.4	0.8	140
I076366		11.10	0.48	0.09	<0.1	0.060	0.02	3.4	1.6	9.80	2010	0.08	0.01	0.2	1.3	50
I076367		9.44	0.74	0.07	0.1	0.038	0.06	3.9	1.9	9.58	1560	0.21	0.01	0.4	3.0	220
I076368		11.60	0.79	0.14	<0.1	0.140	0.06	3.0	1.8	9.25	1980	0.10	<0.01	0.3	1.9	90
I076369		10.40	1.27	<0.05	0.1	0.026	0.08	5.6	2.5	8.59	1810	3.95	0.01	0.6	8.2	90
I076370		4.25	0.88	<0.05	0.1	0.038	0.09	5.0	2.6	11.80	1200	0.14	0.01	0.6	1.9	230
I076371		0.44	0.24	0.06	<0.1	<0.005	0.02	0.5	1.0	13.15	188	0.07	0.01	0.3	2.8	210
I076372		8.59	1.31	<0.05	0.1	0.050	0.10	4.5	3.9	9.93	1480	0.12	0.01	0.5	3.5	240

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Project: RAU

Finalized Date: 27-JUL-2010
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CERTIFICATE OF ANALYSIS VA10099507

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I076337		44.1	180.0	0.002	0.01	5.93	15.9	3	5.4	83.5	4.45	<0.05	5.7	2.49	1.26	0.8
I076338		41.4	186.0	0.002	0.02	6.47	16.6	3	6.4	121.0	4.23	<0.05	5.8	2.40	1.31	1.1
I076339		7.0	65.7	0.002	0.05	6.07	9.8	3	1.8	150.5	2.09	<0.05	3.4	1.240	0.66	2.2
I076340		1.3	5.6	<0.002	1.11	0.19	0.8	2	<0.2	96.4	0.11	<0.05	0.3	0.059	0.07	0.5
I076341		4.2	58.5	<0.002	5.14	0.94	5.9	2	1.0	82.5	1.26	<0.05	1.9	0.754	0.20	0.3
I076342		4.4	45.6	<0.002	0.43	0.59	5.5	2	1.0	126.5	1.33	<0.05	2.0	0.702	0.14	1.2
I076343		1.4	29.1	<0.002	0.27	0.67	3.4	2	2.0	114.0	0.83	0.13	1.5	0.422	0.29	1.1
I076344		2.3	190.0	0.002	0.02	0.41	13.9	3	4.3	52.0	2.60	<0.05	5.0	1.960	0.86	0.4
I076345		2.0	193.0	<0.002	0.01	0.32	14.7	3	2.5	41.4	1.26	<0.05	5.5	2.02	0.53	0.3
I076346		2.3	1.7	<0.002	<0.01	<0.05	0.2	1	<0.2	46.0	<0.05	<0.05	<0.2	0.006	<0.02	0.8
I076347		3.4	194.5	<0.002	0.01	0.42	14.8	3	3.5	70.2	1.16	<0.05	5.7	2.01	0.66	0.7
I076348		5.2	76.2	<0.002	0.01	0.10	8.0	2	1.5	210	1.69	<0.05	2.9	1.130	0.22	2.4
I076349		6.5	85.2	<0.002	0.01	0.12	9.6	2	1.5	168.5	1.98	<0.05	3.5	1.295	0.15	1.5
I076350		4.4	117.0	<0.002	0.05	0.51	9.8	2	5.6	129.0	1.72	<0.05	3.6	1.115	0.34	1.7
I076351		4.3	202	<0.002	3.94	0.18	15.1	3	8.4	48.7	1.84	0.16	4.6	1.085	1.15	2.1
I076352		25.9	373	<0.002	5.43	4.79	12.2	2	11.6	37.2	1.66	0.16	4.0	1.020	2.26	0.8
I076353		25.6	82.7	<0.002	2.34	2.34	2.9	2	1.1	49.4	0.27	<0.05	1.1	0.182	0.78	0.6
I076354		36.1	214	<0.002	4.94	2.77	7.3	2	9.8	39.0	0.55	<0.05	2.3	0.391	1.71	0.6
I076355		279	2.3	<0.002	2.93	2.28	0.2	2	1.0	55.1	<0.05	<0.05	<0.2	0.005	0.16	0.2
I076356		2.8	5.3	<0.002	5.13	1.70	0.1	1	0.2	61.7	<0.05	<0.05	<0.2	0.007	0.23	0.2
I076357		17.1	3.9	0.002	7.59	3.92	0.2	3	0.4	102.5	<0.05	0.05	<0.2	<0.005	0.19	0.2
I076358		25.3	1.3	0.003	5.60	2.82	0.4	4	0.5	92.2	<0.05	0.06	<0.2	<0.005	0.21	0.1
I076359		31.7	5.2	0.003	9.20	4.32	0.4	5	0.9	100.5	<0.05	0.16	<0.2	0.005	0.15	0.2
I076360		6.7	3.8	0.003	6.15	3.88	0.3	4	0.5	109.0	<0.05	0.23	<0.2	<0.005	0.15	0.1
I076361		5.9	4.5	0.002	7.12	4.30	0.3	4	0.6	106.5	<0.05	0.22	<0.2	<0.005	0.17	0.1
I076362		5.4	5.9	0.002	5.17	1.88	0.3	4	0.6	117.0	<0.05	0.09	0.2	0.006	0.12	0.2
I076363		3.6	4.8	<0.002	6.74	1.11	0.5	3	0.5	104.5	<0.05	0.08	<0.2	0.005	0.08	0.2
I076364		108.5	9.8	0.033	>10.0	5.11	1.4	5	3.0	75.5	<0.05	0.12	0.5	0.010	0.46	0.1
I076365		3.8	6.4	<0.002	9.08	1.13	0.5	4	0.4	96.8	<0.05	0.11	0.2	0.005	0.08	0.4
I076366		2.4	2.8	<0.002	8.24	0.42	0.4	4	0.3	93.1	<0.05	0.07	<0.2	<0.005	0.04	<0.1
I076367		2.2	7.4	<0.002	8.66	0.83	0.5	4	0.4	78.1	<0.05	<0.05	<0.2	0.005	0.06	0.1
I076368		2.7	6.2	<0.002	8.92	6.32	0.4	3	0.4	88.3	<0.05	0.12	<0.2	<0.005	0.05	0.7
I076369		108.0	9.6	0.028	>10.0	4.82	1.5	5	2.7	76.8	<0.05	<0.05	0.5	0.009	0.40	0.1
I076370		2.7	8.8	<0.002	4.58	1.04	0.6	2	0.2	67.5	<0.05	<0.05	0.2	0.010	0.06	0.1
I076371		1.5	1.2	<0.002	0.04	<0.05	0.3	2	<0.2	48.8	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
I076372		4.0	10.3	<0.002	7.47	2.44	0.7	5	0.5	73.0	<0.05	0.08	<0.2	0.007	0.10	0.2

***** See Appendix Page for comments regarding this certificate *****

ALS Chemex
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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 27-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10099507

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	As-OG62
	Analyte	V	W	Y	Zn	Zr	As
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
I076337		192	142.0	20.7	366	49.6	
I076338		250	129.5	17.8	336	117.5	
I076339		227	47.2	20.0	1060	99.0	
I076340		11	0.5	5.0	15	8.2	
I076341		71	0.7	9.7	63	16.8	
I076342		74	0.9	10.6	48	37.2	
I076343		121	1.8	16.3	69	36.9	
I076344		178	3.5	18.4	92	20.1	
I076345		151	2.3	26.4	90	23.8	
I076346		3	0.1	0.9	18	0.5	
I076347		181	1.6	24.9	85	45.0	
I076348		105	0.3	14.2	63	80.9	
I076349		120	0.3	16.3	83	69.4	
I076350		145	0.4	16.7	78	78.4	
I076351		227	2.2	15.0	33	84.3	
I076352		147	3.1	17.7	128	87.8	
I076353		40	1.8	8.7	89	24.4	
I076354		84	4.5	12.3	147	45.8	
I076355		9	0.5	3.8	1330	2.0	
I076356		14	5.4	4.3	11	3.1	
I076357		9	141.5	6.2	14	1.9	
I076358		9	212	6.1	71	1.0	
I076359		7	296	6.4	12	2.4	
I076360		2	174.0	5.9	11	1.7	
I076361		3	210	6.0	10	2.2	
I076362		4	147.5	6.9	13	2.4	
I076363		9	78.4	5.8	18	3.2	
I076364		9	2260	5.7	390	3.0	
I076365		7	130.5	6.5	16	3.3	
I076366		6	81.5	6.2	10	1.1	
I076367		24	55.0	5.8	8	5.0	
I076368		9	119.0	6.6	9	2.3	3.21
I076369		9	2200	5.6	386	2.6	
I076370		19	3.4	7.0	9	3.3	
I076371		<1	0.4	0.8	15	<0.5	
I076372		19	215	6.7	14	5.6	

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 27-JUL-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10099507

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 5-AUG-2010
Account: RCM

CERTIFICATE VA10100824

Project: RAU

P.O. No.: BATCH 51

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 26-JUL-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LOG-23	Pulp Login - Rcvd with Barcode
CRU-31	Fine crushing - 70% <2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Ag-GRA21	Ag 30g FA-GRAV finish	WST-SIM
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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To: **ATAC RESOURCES LTD.**
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Project: RAU

Finalized Date: 5-AUG-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10100824

Sample Description	Method	WEI-21	Au-AA26	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
I076301		5.94	0.07	0.11	0.33	305	60	0.17	7.69	16.70	0.18	5.94	0.8	6	0.49	13.0
I076302		3.74	0.06	0.09	0.08	290	20	0.10	2.50	19.15	0.06	6.63	0.8	7	0.23	6.3
I076303		4.70	3.74	3.13	0.11	8530	20	0.13	281	5.26	0.20	7.53	0.4	2	0.22	18.7
I076304		4.20	0.05	0.08	0.06	148	20	0.12	3.54	18.65	0.04	5.15	0.8	6	0.28	7.3
I076305		5.22	0.03	0.10	0.59	205	110	0.28	8.88	19.65	0.05	7.93	1.3	9	1.62	1.9
I076306		1.60	0.09	0.09	0.09	391	10	0.10	11.25	18.55	0.12	5.09	0.7	8	0.39	3.6
I076307		4.10	0.05	0.15	0.08	184	10	0.09	2.87	18.45	2.82	4.85	0.8	1	0.46	3.8
I076308		6.10	0.03	0.64	5.11	738	2050	0.22	33.6	0.22	0.35	7.53	1.3	50	0.60	4.8
I076309		6.08	0.03	0.11	0.40	57	70	0.28	3.20	20.8	0.06	9.43	2.0	9	1.08	3.3
I076310		4.58	0.01	0.71	0.99	28	170	0.26	2.58	19.80	0.04	6.92	2.5	13	3.71	4.7
I076311		4.06	<0.01	0.03	0.09	5	30	0.06	0.17	20.7	0.07	1.47	1.3	1	0.24	1.9
I076312		4.00	0.09	0.35	2.60	231	100	0.71	22.2	11.80	0.06	12.80	7.5	48	5.77	34.4
I076313		3.86	0.19	0.69	4.84	246	130	1.09	24.4	9.28	1.91	7.14	13.7	89	9.78	29.1
I076314		3.20	0.15	0.27	4.11	207	70	1.11	11.65	4.27	0.07	15.95	13.6	125	4.86	62.4
I076315		0.28	2.49	0.64	0.16	1740	30	0.09	92.6	13.75	1.71	11.40	1.6	13	1.02	31.8
I076316		2.60	0.09	0.13	5.91	71	230	1.43	6.74	12.10	0.08	93.7	13.0	77	8.09	8.1
I076317		5.36	0.07	0.12	2.06	40	390	0.55	7.19	17.55	0.07	13.50	4.6	30	1.86	6.3
I076318		3.64	0.01	2.24	7.36	2410	1910	1.82	1.70	7.74	8.73	129.5	77.6	52	34.0	32.2
I076319		0.92	0.07	7.04	9.18	3090	2220	2.11	3.16	0.99	12.45	131.0	55.7	73	4.18	66.0
I076320		0.44	0.17	>100	7.97	2370	2060	1.81	2.77	3.67	9.37	101.5	60.6	58	7.09	1580
I076321		1.08	0.06	5.43	9.82	4480	3110	2.45	1.52	0.30	12.65	165.5	33.0	72	4.27	43.5
I076322		1.58	0.03	4.54	9.92	5870	3380	2.53	2.41	0.30	11.20	125.5	29.1	73	7.08	41.1
I076323		2.56	0.03	6.37	5.94	6390	960	1.63	1630	0.38	5.54	151.0	11.0	60	6.57	157.5
I076324		0.62	0.05	7.03	5.99	2860	730	1.12	1040	0.40	2.08	>500	8.0	37	0.25	5.6
I076325		1.90	0.10	11.00	4.27	3440	560	1.26	6270	0.26	2.80	>500	5.8	35	3.79	6.4
I076326		1.24	0.14	15.30	3.42	5080	620	1.02	6790	0.27	5.04	>500	8.3	39	3.36	9.4
I076327		2.86	0.05	9.90	5.27	793	2140	1.04	2520	0.22	0.27	>500	3.8	52	4.79	7.8
I076328		1.66	0.01	10.15	6.16	5020	9120	1.50	882	0.42	2.39	94.8	15.0	51	8.70	82.8
I076329		1.10	0.01	9.53	8.89	2400	5940	2.18	68.7	0.43	4.00	151.0	4.4	80	25.0	12.2
I076330		1.40	0.01	6.37	9.84	1850	5530	2.83	6.39	0.26	3.79	173.0	9.2	76	21.0	10.8
I076331		1.14	0.02	10.65	4.19	3460	790	1.32	10.90	0.18	18.10	54.7	5.3	44	6.09	60.6
I076332		1.70	0.22	2.18	0.39	616	1180	0.16	4.57	0.05	4.31	10.45	0.6	7	0.56	16.0
I076333		2.44	0.02	6.18	5.85	2780	1180	1.84	6.85	0.16	30.1	54.9	4.3	56	11.90	68.1
I076334		3.36	0.02	1.59	8.82	1480	5070	3.18	1.38	5.82	17.90	82.9	11.2	73	14.55	56.5
I076335		0.28	8.26	41.5	5.02	7.9	60	1.62	0.89	1.25	<0.02	6.30	8.7	40	64.2	17.2
I076336		5.04	0.01	0.03	0.07	<5	50	0.05	0.08	21.6	0.10	1.40	1.3	<1	0.39	2.9

***** See Appendix Page for comments regarding this certificate *****

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Project: RAU

Finalized Date: 5-AUG-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10100824

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I076301		3.88	1.33	<0.05	0.1	0.038	0.14	3.4	1.9	9.24	1440	0.24	<0.01	0.7	<0.2	260
I076302		3.28	0.42	<0.05	0.1	0.042	0.03	3.8	1.6	10.65	1540	0.11	<0.01	0.4	<0.2	60
I076303		32.0	0.83	0.47	<0.1	0.068	0.04	4.9	1.2	2.67	845	0.06	0.01	0.5	0.8	60
I076304		3.15	0.35	<0.05	<0.1	0.028	0.03	3.4	2.6	10.85	734	0.09	<0.01	0.3	<0.2	60
I076305		3.64	2.12	0.05	0.3	0.018	0.34	5.1	4.4	10.80	839	0.06	<0.01	3.1	<0.2	210
I076306		6.18	0.55	0.07	<0.1	0.039	0.03	2.4	2.2	9.87	1780	0.10	<0.01	0.4	<0.2	70
I076307		2.91	0.47	<0.05	<0.1	0.033	0.03	2.8	1.7	10.10	1380	<0.05	<0.01	0.3	<0.2	60
I076308		5.21	1.32	0.21	0.4	0.113	1.14	4.0	2.2	1.27	80	0.15	0.27	1.1	<0.2	1610
I076309		1.75	1.63	0.05	0.3	0.025	0.19	6.1	5.4	11.75	882	0.15	<0.01	2.7	<0.2	100
I076310		1.37	4.00	0.06	0.4	0.018	0.57	4.0	6.4	11.30	819	0.89	0.01	5.2	0.4	260
I076311		0.42	0.37	0.45	<0.1	<0.005	0.04	0.7	1.3	12.35	190	0.16	<0.01	0.3	<0.2	310
I076312		11.30	9.68	0.18	1.4	0.044	1.08	4.7	13.1	7.84	1280	0.58	0.03	10.0	22.6	650
I076313		14.25	16.65	0.23	2.4	0.018	2.22	3.1	25.6	5.37	500	1.09	0.03	21.1	49.1	1050
I076314		11.05	12.80	0.18	1.9	0.022	1.78	7.3	15.1	2.31	260	1.20	0.03	14.8	66.0	1050
I076315		10.20	1.01	0.21	0.1	0.057	0.09	5.8	2.9	8.31	1720	4.50	<0.01	0.9	4.8	90
I076316		4.20	16.75	0.13	1.1	0.028	3.23	49.9	26.8	7.42	436	0.94	0.09	33.6	36.0	1310
I076317		2.75	6.73	0.06	0.9	0.025	1.07	7.4	10.3	9.88	689	0.29	0.03	14.0	8.4	410
I076318		12.55	20.2	0.32	0.2	0.138	2.90	62.6	22.9	1.66	3900	0.98	0.08	48.1	147.0	4130
I076319		13.55	25.8	0.42	0.4	0.112	3.72	64.1	16.4	0.99	263	0.73	0.13	6.3	164.0	4220
I076320		15.25	22.4	0.45	1.7	0.088	3.25	49.3	11.6	0.71	701	980	0.11	>500	365	2990
I076321		14.70	29.5	0.43	0.3	0.124	4.19	75.6	11.2	0.50	306	2.47	0.12	5.8	79.8	2410
I076322		21.6	28.2	0.41	0.3	0.146	4.40	66.1	10.0	0.44	456	2.57	0.12	10.4	118.0	1910
I076323		24.5	28.7	0.50	1.4	0.100	2.89	90.9	9.3	0.60	471	3.08	0.12	6.7	58.5	2740
I076324		9.47	32.3	0.69	1.0	0.042	0.43	470	7.0	1.98	67	1.72	0.52	8.9	37.2	2040
I076325		12.15	32.5	1.46	2.2	0.045	1.09	1010	5.4	1.16	77	3.39	0.25	7.8	27.0	2580
I076326		16.50	27.7	1.35	2.2	0.119	1.02	920	5.6	0.85	167	4.31	0.18	4.1	31.7	2900
I076327		5.47	44.4	2.37	4.7	0.011	1.21	1870	5.1	1.31	83	1.60	0.27	23.5	15.2	1680
I076328		24.3	29.7	0.54	1.5	0.111	1.53	50.0	11.4	0.59	475	1.48	0.22	14.1	62.2	2930
I076329		18.85	36.7	0.40	0.7	0.232	3.15	73.8	10.1	0.42	197	0.92	0.11	41.3	44.4	2290
I076330		14.40	27.1	0.43	0.1	0.421	4.70	86.1	10.9	0.52	134	0.65	0.11	29.7	48.0	1670
I076331		16.90	17.70	0.30	0.1	0.907	1.64	20.1	2.9	0.23	314	1.07	0.02	7.8	28.7	2290
I076332		3.18	3.13	<0.05	<0.1	0.223	0.07	6.0	0.4	0.02	48	0.19	<0.01	1.0	3.5	710
I076333		12.25	20.6	0.26	0.1	0.623	2.21	24.6	6.2	0.27	327	0.65	0.04	17.3	25.3	1810
I076334		7.97	22.9	0.31	0.5	0.519	3.64	40.4	13.7	0.37	698	0.48	0.11	57.8	41.8	3410
I076335		2.05	13.80	0.10	1.1	0.021	3.73	2.7	25.0	0.62	291	36.6	1.08	1.7	12.2	620
I076336		0.46	0.34	<0.05	<0.1	<0.005	0.03	0.7	1.1	12.80	209	0.07	0.01	0.3	<0.2	210

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 5-AUG-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10100824

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I076301		3.5	11.1	0.002	3.59	1.86	1.5	3	0.6	72.0	<0.05	0.05	0.3	0.014	0.13	0.2
I076302		2.2	3.5	<0.002	2.91	0.87	0.5	2	1.1	73.8	<0.05	<0.05	<0.2	0.005	0.06	0.1
I076303		29.0	3.0	<0.002	>10.0	20.7	0.4	22	2.1	27.0	<0.05	0.50	<0.2	<0.005	0.20	0.5
I076304		2.0	2.0	<0.002	3.24	2.17	0.5	4	0.6	50.6	<0.05	<0.05	<0.2	<0.005	0.08	0.1
I076305		2.5	18.2	<0.002	4.04	1.42	1.1	4	0.7	64.3	0.21	<0.05	0.7	0.050	0.17	0.2
I076306		5.6	2.5	<0.002	6.80	2.50	0.8	3	0.2	93.4	<0.05	<0.05	<0.2	<0.005	0.17	0.1
I076307		65.8	3.1	<0.002	2.60	1.04	0.4	2	0.4	75.0	<0.05	<0.05	<0.2	<0.005	0.06	0.1
I076308		15.8	9.2	0.002	0.58	1.44	1.5	5	3.3	82.5	0.08	<0.05	0.3	0.967	0.14	0.2
I076309		2.4	16.2	<0.002	1.63	0.48	1.1	3	1.0	66.9	0.17	<0.05	0.5	0.048	0.12	0.2
I076310		1.9	38.8	<0.002	1.01	0.37	1.6	2	0.8	60.5	0.35	<0.05	1.1	0.078	0.32	0.5
I076311		1.3	2.0	0.002	0.01	<0.05	0.3	2	<0.2	45.6	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
I076312		4.6	76.5	<0.002	>10.0	5.14	3.9	9	3.1	58.8	0.71	0.07	2.2	0.208	0.49	2.2
I076313		60.0	131.5	<0.002	>10.0	5.75	7.6	13	2.8	38.5	1.44	0.10	4.2	0.420	1.47	2.9
I076314		4.7	74.0	<0.002	>10.0	6.21	8.2	11	4.0	23.2	0.97	0.05	3.5	0.309	0.99	2.6
I076315		104.0	11.6	0.013	>10.0	4.72	1.8	5	4.1	70.3	<0.05	0.10	0.5	0.015	0.42	0.2
I076316		3.9	89.1	0.002	4.63	4.50	10.8	2	3.8	53.9	2.32	<0.05	7.6	0.434	0.77	0.9
I076317		3.1	27.4	0.002	2.85	1.36	3.5	2	1.4	66.1	0.99	<0.05	3.4	0.187	0.28	1.1
I076318		35.5	252	0.005	0.02	7.42	16.9	4	4.6	50.9	3.66	<0.05	4.0	1.830	3.17	2.0
I076319		20.7	108.5	0.006	0.03	8.14	26.8	3	2.9	77.0	0.49	0.05	5.1	0.315	0.88	2.3
I076320		14.9	127.5	0.028	0.05	5.10	19.6	5	4.7	166.0	1.07	0.10	4.7	0.598	1.45	2.7
I076321		27.6	134.5	0.005	0.11	7.72	22.6	7	3.4	368	0.37	<0.05	5.2	0.295	1.01	2.7
I076322		66.0	188.5	0.007	0.36	28.8	24.9	4	4.9	155.0	0.74	<0.05	4.9	0.538	1.56	3.3
I076323		41.2	208	0.005	1.97	21.2	14.3	12	18.2	428	0.31	2.48	5.1	0.235	1.86	3.6
I076324		46.6	31.2	0.004	0.70	21.5	15.6	7	15.5	1255	0.62	1.73	6.1	0.375	0.73	2.3
I076325		126.5	176.0	0.006	0.92	38.5	13.6	19	14.8	686	0.47	9.20	8.1	0.367	1.77	5.4
I076326		146.5	171.5	0.009	0.84	57.6	13.5	20	11.8	779	0.17	11.25	7.7	0.242	1.89	5.9
I076327		256	161.5	0.004	0.59	22.8	15.9	47	19.1	82.3	1.49	2.06	13.2	1.005	1.65	8.6
I076328		239	123.5	0.015	0.64	29.3	17.5	8	11.0	238	0.93	1.15	2.9	0.567	1.40	5.6
I076329		175.5	291	0.005	0.86	28.5	19.3	4	10.1	193.0	2.85	<0.05	4.2	1.190	3.05	4.9
I076330		149.0	460	0.010	1.08	21.1	22.9	5	9.2	212	1.94	0.14	5.3	0.807	4.37	4.9
I076331		212	160.0	0.002	0.39	13.10	13.2	5	20.9	2200	0.48	0.26	1.6	0.212	1.69	2.9
I076332		206	9.0	0.002	0.19	6.68	1.4	3	14.6	2640	0.06	0.07	0.5	0.031	0.17	0.9
I076333		94.3	208	0.002	0.43	9.35	14.3	3	11.9	2010	1.15	0.11	2.6	0.492	2.52	3.2
I076334		46.4	206	0.012	0.17	8.39	19.0	5	9.0	181.0	4.30	0.07	6.2	2.13	1.85	3.2
I076335		5.9	1470	<0.002	0.02	0.81	7.7	2	1.1	56.3	0.22	<0.05	0.6	0.264	14.60	0.3
I076336		2.8	1.8	<0.002	<0.01	0.06	0.4	2	<0.2	48.2	<0.05	<0.05	0.2	<0.005	<0.02	0.6

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 5-AUG-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10100824

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Ag-GRA21
	Analyte	V	W	Y	Zn	Zr	Ag	Ag
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5	1	5
I076301		28	10.2	4.4	41	3.8		
I076302		8	5.0	4.5	5	1.7		
I076303		5	7.0	2.2	49	1.5		
I076304		7	0.5	3.5	24	1.3		
I076305		13	2.8	4.0	4	10.4		
I076306		6	2.1	5.9	21	1.7		
I076307		7	3.4	4.0	707	1.3		
I076308		173	26.8	5.3	606	6.2		
I076309		11	1.7	4.4	6	10.0		
I076310		19	2.2	5.4	3	18.9		
I076311		3	0.2	0.9	8	<0.5		
I076312		44	3.5	7.7	5	54.6		
I076313		79	7.3	7.5	404	94.8		
I076314		69	5.7	7.0	6	78.8		
I076315		11	2130	5.5	355	3.5		
I076316		73	5.5	16.2	13	44.6		
I076317		26	2.4	6.6	5	38.3		
I076318		175	94.3	26.0	4280	7.7		
I076319		207	156.0	28.6	3890	13.8		
I076320		177	4040	24.4	2050	49.8	>1500	1695
I076321		228	110.0	21.9	1590	9.4		
I076322		236	358	15.6	2260	10.3		
I076323		150	153.0	9.7	1370	65.4		
I076324		136	86.3	5.1	706	37.7		
I076325		115	144.5	11.8	1040	92.8		
I076326		95	206	13.4	1580	82.8		
I076327		182	74.1	14.4	637	148.0		
I076328		205	202	14.0	2860	70.6		
I076329		258	332	9.3	1160	24.4		
I076330		158	308	8.7	1310	4.3		
I076331		90	67.8	11.5	5260	4.9		
I076332		20	7.1	2.2	1150	1.1		
I076333		117	52.5	12.3	4050	3.0		
I076334		218	129.5	21.6	2790	20.7		
I076335		55	0.4	8.0	52	37.6		
I076336		4	0.1	0.9	25	0.8		

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 5-AUG-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10100824

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	Interference: Mo>400ppm on ICP-MS Cd,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 3-AUG-2010
Account: RCM

CERTIFICATE VA10100825

Project: RAU (ocelot)

P.O. No.: BATCH 2

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 26-JUL-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LOG-23	Pulp Login - Rcvd with Barcode
CRU-31	Fine crushing - 70% <2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU (ocelot)

Finalized Date: 3-AUG-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10100825

Sample Description	Method	WEI-21	Au-AA26	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
G285386		5.50	<0.01	0.04	0.04	<5	70	0.08	0.11	17.30	72.9	1.16	1.4	8	<0.05	7.2
G285387		5.84	<0.01	0.05	0.06	<5	120	0.13	0.04	19.30	151.0	1.92	2.6	3	0.05	8.6
G285388		5.02	<0.01	0.05	0.21	<5	870	0.15	0.06	21.0	49.7	5.23	2.3	9	0.09	4.5
G285389		3.86	<0.01	0.01	0.06	<5	20	0.08	0.01	21.4	0.35	1.32	1.3	<1	0.16	2.4
G285390		5.10	<0.01	0.08	0.09	<5	190	0.11	0.06	21.5	21.9	3.63	1.3	6	0.07	3.7
G285391		4.96	<0.01	0.06	0.17	19	310	0.21	0.10	16.70	259	10.85	6.0	9	0.13	10.9
G285392		4.90	<0.01	0.02	0.12	<5	190	0.13	0.04	19.85	80.8	3.01	2.8	6	0.07	3.9
G285393		0.14	0.47	>100	4.57	9290	210	0.84	0.30	2.05	288	30.5	17.7	41	7.92	1025
G285394		5.38	<0.01	0.33	0.16	62	270	0.20	0.02	21.4	75.1	4.56	2.1	5	0.08	4.0
G285395		5.10	<0.01	0.06	0.07	<5	100	0.17	<0.01	21.8	0.84	2.03	1.1	2	<0.05	1.5
G285396		4.78	<0.01	0.04	0.02	<5	40	0.06	0.04	20.5	7.97	0.62	1.1	1	<0.05	2.4
G285397		4.54	<0.01	0.07	0.09	24	1280	0.19	0.04	21.3	31.5	1.84	1.6	4	0.17	2.0
G285398		5.10	<0.01	0.04	0.05	16	3430	0.09	0.07	17.15	153.0	3.60	5.4	2	<0.05	6.5
G285399		5.30	<0.01	0.09	0.11	<5	2580	0.18	0.16	21.9	1.21	2.50	1.1	8	0.06	1.6
G285400		5.34	<0.01	0.02	0.10	<5	1850	0.13	0.07	21.1	9.22	3.09	1.5	5	0.05	2.2
G285401		4.24	<0.01	0.01	0.06	<5	20	0.07	<0.01	21.4	0.14	1.33	1.3	<1	0.16	2.3
G285402		4.86	<0.01	0.02	0.18	<5	760	0.21	0.14	21.1	4.10	3.60	1.5	15	0.09	2.3
G285403		4.74	<0.01	0.09	0.19	<5	350	0.11	0.06	21.6	0.37	3.67	1.2	10	0.09	2.0
G285404		5.20	<0.01	0.03	0.08	<5	140	0.13	0.05	21.8	0.26	2.04	1.1	2	0.05	1.9
G285405		5.12	<0.01	0.01	0.23	<5	1140	0.28	0.08	20.4	2.26	2.97	1.6	7	0.13	2.3
G285406		5.08	<0.01	0.03	0.55	<5	1420	0.36	0.10	20.4	5.29	5.98	2.3	9	0.32	4.1
G285407		2.42	<0.01	0.02	0.35	<5	840	0.29	0.09	20.9	4.51	4.96	2.0	5	0.22	3.1
G285408		5.46	<0.01	0.03	0.16	<5	1850	0.12	0.03	21.8	1.76	2.96	1.5	1	0.11	2.1
G285409		0.12	0.23	>100	5.84	4560	370	0.79	0.12	2.40	142.5	29.1	15.0	47	4.57	519
G285410		5.48	<0.01	0.21	0.11	9	1400	0.16	0.10	19.70	9.11	2.07	2.1	1	0.06	3.4
G285411		4.88	<0.01	0.10	0.04	<5	400	0.10	0.06	21.0	2.45	1.60	1.2	1	0.06	1.7
G285412		4.40	<0.01	0.05	0.03	<5	410	0.10	0.01	21.3	1.28	1.92	1.1	1	0.07	1.4
G285413		3.42	<0.01	0.23	0.18	<5	3680	0.26	0.41	20.8	1.25	5.70	1.3	5	0.18	1.8
G285414		3.28	<0.01	0.04	0.11	<5	280	0.18	0.10	21.3	1.70	4.25	1.0	2	0.10	1.3
G285415		3.60	<0.01	0.06	0.04	<5	50	0.20	0.06	21.4	0.81	2.23	1.0	1	0.06	1.3
G285416		4.04	<0.01	0.05	0.05	<5	70	0.13	0.05	21.0	1.33	2.42	1.1	<1	<0.05	1.5
G285417		4.44	<0.01	0.17	0.04	<5	60	0.12	0.05	17.25	2.18	2.02	0.9	3	0.06	3.1
G285418		3.28	<0.01	0.16	0.03	<5	50	0.08	0.10	17.60	2.84	1.01	0.9	2	<0.05	2.0
G285419		4.26	<0.01	0.04	0.03	<5	80	0.09	0.02	20.1	0.93	1.34	1.0	<1	<0.05	1.9
G285420		4.46	<0.01	0.02	0.04	<5	170	0.09	<0.01	16.30	1.07	1.02	0.8	2	0.05	1.4
G285421		4.70	<0.01	<0.01	0.04	<5	60	0.08	0.01	13.25	0.72	0.44	0.6	2	0.06	1.1

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 3-AUG-2010
Account: RCM

Project: RAU (ocelot)

CERTIFICATE OF ANALYSIS VA10100825

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
G285386		0.13	0.26	0.06	<0.1	<0.005	0.01	1.0	2.0	10.35	129	0.36	0.01	0.1	4.4	340
G285387		0.34	0.59	0.06	<0.1	0.030	0.02	1.5	2.5	11.55	237	4.79	0.01	0.2	15.7	600
G285388		0.27	0.85	0.09	0.1	0.005	0.09	3.7	3.7	12.45	294	6.57	0.03	0.7	6.6	1700
G285389		0.42	0.35	0.07	<0.1	<0.005	0.02	0.6	1.0	12.70	197	0.13	0.01	0.2	<0.2	250
G285390		0.16	0.52	0.10	<0.1	0.006	0.03	3.4	2.6	12.85	203	0.36	0.02	0.4	2.3	1010
G285391		1.64	0.77	0.08	0.1	0.007	0.06	9.6	2.4	10.00	394	0.60	0.01	0.4	23.8	2080
G285392		0.56	0.54	0.08	0.1	0.013	0.04	2.3	2.5	11.85	246	0.21	0.01	0.4	9.0	740
G285393		11.95	15.50	0.47	1.3	0.739	2.53	13.8	26.6	0.33	2240	9.64	0.04	6.0	29.6	420
G285394		0.40	0.65	0.05	0.1	<0.005	0.07	3.3	3.1	12.70	220	0.25	0.02	0.6	7.4	1280
G285395		0.10	0.41	0.08	<0.1	<0.005	0.02	1.4	2.6	13.05	146	0.11	0.01	0.2	1.2	300
G285396		0.15	0.28	0.08	<0.1	<0.005	0.01	0.5	1.9	12.40	183	0.08	0.01	0.1	2.8	40
G285397		0.43	0.71	0.09	<0.1	0.012	0.03	1.3	2.5	12.75	265	0.33	0.03	0.3	6.5	290
G285398		1.78	0.40	0.08	<0.1	0.009	0.01	2.4	2.0	10.30	504	0.21	0.05	0.1	21.2	350
G285399		0.16	0.57	0.08	0.1	0.008	0.04	1.6	3.0	13.15	217	0.27	0.04	0.3	2.2	690
G285400		0.31	0.53	0.09	0.1	0.005	0.04	2.0	2.9	12.70	239	0.74	0.03	0.4	5.1	750
G285401		0.44	0.35	0.08	<0.1	<0.005	0.02	0.6	1.0	12.70	206	0.06	0.01	0.2	2.7	210
G285402		0.28	0.76	0.10	0.1	<0.005	0.06	2.3	2.8	12.60	248	0.52	0.02	0.7	4.1	1030
G285403		0.31	0.76	0.11	0.1	<0.005	0.08	2.3	3.0	12.80	146	0.32	0.02	0.7	3.8	1640
G285404		0.32	0.52	0.10	<0.1	<0.005	0.03	1.4	2.3	13.00	138	0.36	0.02	0.2	3.9	1180
G285405		0.37	0.98	0.08	0.1	0.011	0.09	1.7	2.9	12.25	260	0.26	0.03	0.6	7.6	940
G285406		0.58	2.26	0.08	0.3	<0.005	0.22	3.2	4.2	12.15	247	0.30	0.03	1.7	9.0	2260
G285407		0.45	1.45	0.07	0.2	<0.005	0.14	2.6	3.5	12.45	237	0.26	0.02	1.0	7.8	1800
G285408		0.23	0.64	0.11	0.1	<0.005	0.07	1.6	2.7	13.05	237	0.23	0.04	0.5	6.5	500
G285409		7.98	14.30	0.24	1.3	0.377	1.70	14.0	20.3	0.85	1480	6.96	1.16	5.2	30.6	540
G285410		0.43	0.42	0.06	0.1	<0.005	0.04	1.2	2.1	11.80	299	0.39	0.03	0.3	8.0	330
G285411		0.17	0.31	0.07	<0.1	0.007	0.01	1.0	2.1	12.70	255	0.22	0.02	0.1	3.9	280
G285412		0.20	0.31	0.09	<0.1	0.013	0.01	1.2	2.2	12.85	399	0.34	0.02	0.1	3.7	410
G285413		0.59	1.31	0.10	0.1	0.049	0.08	3.1	3.2	12.25	835	0.83	0.06	0.5	6.2	1720
G285414		0.21	0.87	0.09	0.1	0.012	0.04	2.3	2.7	12.65	446	0.62	0.02	0.2	3.7	1850
G285415		0.12	0.43	0.11	<0.1	0.006	0.01	1.4	2.3	12.80	358	0.35	0.01	0.1	3.0	720
G285416		0.21	0.51	0.12	<0.1	0.008	0.01	1.5	2.5	12.50	517	1.38	0.01	0.1	3.9	640
G285417		0.20	0.57	0.12	<0.1	0.041	0.01	1.4	3.0	10.50	421	0.99	0.01	0.1	4.5	590
G285418		0.14	0.41	0.10	<0.1	0.048	0.01	0.7	2.6	10.55	252	0.53	0.01	0.1	3.5	210
G285419		0.12	0.40	0.12	<0.1	<0.005	0.01	0.8	2.3	12.10	236	1.04	0.01	0.1	4.3	350
G285420		0.09	0.52	0.11	<0.1	0.010	0.01	0.6	3.7	10.05	216	0.16	0.01	0.1	3.2	90
G285421		0.11	0.61	0.42	<0.1	0.016	0.01	<0.5	5.8	8.22	153	0.63	<0.01	0.1	<0.2	130

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU (ocelot)

Finalized Date: 3-AUG-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10100825

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
G285386		9.5	0.4	0.002	<0.01	1.65	0.3	4	<0.2	56.3	<0.05	<0.05	<0.2	<0.005	0.02	4.7
G285387		61.2	0.7	0.014	0.04	2.60	0.4	7	0.2	59.5	<0.05	<0.05	<0.2	<0.005	0.08	9.4
G285388		34.0	2.4	0.018	0.17	1.33	0.8	4	<0.2	65.5	0.05	<0.05	0.3	0.020	0.08	9.9
G285389		1.6	1.1	<0.002	<0.01	<0.05	0.4	2	<0.2	45.3	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
G285390		19.5	1.1	0.004	0.03	1.61	0.4	4	<0.2	62.1	<0.05	<0.05	0.2	0.006	0.07	11.9
G285391		40.5	2.1	0.003	0.07	4.28	0.4	19	0.3	50.0	<0.05	<0.05	0.3	0.008	0.36	23.7
G285392		21.3	1.4	<0.002	0.11	1.00	0.4	7	<0.2	62.1	<0.05	<0.05	0.2	0.006	0.08	8.6
G285393		>10000	240	0.025	>10.0	248	8.2	50	22.7	134.0	0.45	<0.05	5.2	0.231	4.18	4.7
G285394		19.1	2.0	<0.002	0.07	1.21	0.6	6	<0.2	69.8	<0.05	<0.05	0.3	0.012	0.11	14.5
G285395		5.2	0.8	<0.002	0.03	0.46	0.3	2	<0.2	64.6	<0.05	<0.05	<0.2	<0.005	0.07	4.0
G285396		8.6	0.2	<0.002	0.01	1.70	0.2	3	0.2	60.1	<0.05	<0.05	<0.2	<0.005	0.04	2.6
G285397		23.3	1.1	<0.002	0.29	9.05	0.4	4	0.2	89.0	<0.05	<0.05	<0.2	<0.005	2.03	4.9
G285398		55.0	0.5	<0.002	0.34	3.81	0.4	15	0.2	69.4	<0.05	<0.05	<0.2	<0.005	1.31	5.6
G285399		6.9	1.4	<0.002	0.18	0.75	0.6	2	<0.2	76.8	<0.05	<0.05	0.2	0.007	0.22	8.1
G285400		27.8	1.2	0.005	0.16	0.72	0.5	4	<0.2	68.6	<0.05	<0.05	0.2	0.007	0.12	6.8
G285401		1.9	1.0	<0.002	<0.01	0.07	0.4	2	<0.2	45.2	<0.05	<0.05	<0.2	<0.005	<0.02	0.7
G285402		27.2	2.1	<0.002	0.20	1.11	0.7	3	0.2	67.1	<0.05	<0.05	0.3	0.015	0.17	10.5
G285403		8.9	2.3	<0.002	0.33	0.80	0.6	3	<0.2	74.3	<0.05	<0.05	0.4	0.014	0.07	12.6
G285404		4.2	1.0	<0.002	0.36	0.67	0.3	3	<0.2	71.4	<0.05	<0.05	<0.2	<0.005	0.08	11.1
G285405		17.2	2.9	<0.002	0.19	1.45	0.5	4	<0.2	71.2	<0.05	<0.05	0.3	0.010	0.11	8.7
G285406		60.4	7.3	<0.002	0.43	1.66	1.0	5	0.4	75.8	0.11	<0.05	1.0	0.031	0.28	9.5
G285407		45.8	4.6	<0.002	0.31	1.21	0.8	5	0.3	76.5	0.07	<0.05	0.6	0.018	0.20	7.6
G285408		26.5	2.1	<0.002	0.18	0.79	0.6	3	<0.2	71.7	<0.05	<0.05	0.3	0.010	0.11	4.0
G285409		9410	128.0	0.013	6.35	121.5	11.7	25	11.9	209	0.37	0.06	3.8	0.294	2.23	2.7
G285410		43.8	1.3	<0.002	0.23	1.29	0.4	7	0.2	61.6	<0.05	<0.05	0.2	0.007	0.23	3.2
G285411		34.9	0.5	<0.002	0.10	1.34	0.3	3	0.2	68.4	<0.05	<0.05	<0.2	<0.005	0.36	2.8
G285412		97.0	0.3	<0.002	0.07	2.13	0.3	2	0.2	77.0	<0.05	<0.05	<0.2	<0.005	0.53	3.5
G285413		138.5	2.7	0.002	0.40	2.96	0.6	3	0.5	113.5	<0.05	<0.05	0.3	0.008	0.75	16.0
G285414		87.0	1.5	<0.002	0.05	1.45	0.4	2	0.3	87.0	<0.05	<0.05	0.2	<0.005	0.17	21.5
G285415		32.0	0.5	<0.002	0.04	1.09	0.3	2	<0.2	65.6	<0.05	<0.05	<0.2	<0.005	0.22	6.8
G285416		57.4	0.5	0.003	0.07	2.19	0.3	2	0.2	69.7	<0.05	<0.05	<0.2	<0.005	0.43	7.3
G285417		122.0	0.5	0.003	0.06	6.42	0.2	2	0.3	70.6	<0.05	<0.05	<0.2	<0.005	0.20	6.4
G285418		156.5	0.3	<0.002	0.08	4.77	0.2	3	0.4	60.9	<0.05	<0.05	<0.2	<0.005	0.13	4.5
G285419		24.7	0.3	0.004	0.09	2.06	0.3	2	<0.2	52.5	<0.05	<0.05	<0.2	<0.005	0.05	6.2
G285420		55.1	0.4	<0.002	0.04	8.24	0.3	2	0.2	55.4	<0.05	<0.05	<0.2	<0.005	0.07	2.3
G285421		58.2	0.4	0.002	0.04	9.19	0.1	2	0.2	38.5	<0.05	<0.05	<0.2	<0.005	0.08	3.0

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 3-AUG-2010
Account: RCM

Project: RAU (ocelot)

CERTIFICATE OF ANALYSIS VA10100825

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Pb-OG62	Zn-OG62
	Analyte	V	W	Y	Zn	Zr	Ag	Pb	Zn
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	LOR	1	0.1	0.1	2	0.5	1	0.001	0.001
G285386		12	0.1	1.5	5630	0.8			
G285387		26	0.3	2.6	>10000	1.6			2.05
G285388		29	0.3	4.8	7090	4.4			
G285389		4	0.1	0.8	102	<0.5			
G285390		19	0.3	3.7	6050	2.2			
G285391		20	1.0	7.2	>10000	4.3			9.95
G285392		16	0.4	3.2	>10000	2.3			2.73
G285393		78	5.6	9.1	>10000	38.5	710	1.875	2.75
G285394		14	0.4	3.3	>10000	3.2			1.875
G285395		11	0.2	1.4	1680	1.2			
G285396		6	0.1	0.7	4210	0.6			
G285397		17	0.8	1.4	6450	1.5			
G285398		8	0.2	2.4	>10000	1.0			6.96
G285399		9	0.4	1.5	1300	2.5			
G285400		13	0.3	2.2	7380	2.2			
G285401		4	0.1	0.8	70	<0.5			
G285402		15	0.4	2.4	3330	3.7			
G285403		14	0.2	2.7	701	4.2			
G285404		14	0.2	1.9	622	1.6			
G285405		16	0.3	1.8	8990	3.5			
G285406		26	0.6	4.1	>10000	10.6			1.900
G285407		18	0.4	3.5	>10000	6.6			1.590
G285408		10	0.2	1.3	4990	3.1			
G285409		100	3.3	13.2	>10000	38.0	353		1.310
G285410		9	0.2	1.4	>10000	2.0			2.36
G285411		8	0.2	1.0	5690	0.7			
G285412		9	0.2	1.0	2510	0.5			
G285413		22	0.8	3.7	345	3.5			
G285414		15	0.6	2.3	577	2.4			
G285415		10	0.8	1.6	123	0.8			
G285416		12	0.4	1.8	173	1.1			
G285417		15	0.4	1.6	390	0.8			
G285418		12	0.2	0.8	729	0.6			
G285419		14	0.1	1.1	211	0.7			
G285420		10	0.1	0.6	103	0.5			
G285421		7	0.1	0.5	68	0.5			

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 3-AUG-2010
Account: RCM

Project: RAU (ocelot)

CERTIFICATE OF ANALYSIS VA10100825

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 5-AUG-2010
Account: RCM

CERTIFICATE VA10100826

Project: RAU (ocelot)

P.O. No.: BATCH 1

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 26-JUL-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LOG-23	Pulp Login - Rcvd with Barcode
CRU-31	Fine crushing - 70% <2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
Pb-VOL70	Pb by Titration	
Zn-VOL50	Zn by titration	
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU (ocelot)

Finalized Date: 5-AUG-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10100826

Sample Description	Method	WEI-21	Au-AA26	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
G285350		4.04	<0.01	0.38	6.35	45.9	710	1.48	0.11	8.44	55.4	75.7	33.9	216	2.12	90.5
G285351		4.66	<0.01	1.16	0.20	75	190	0.16	0.23	19.55	53.7	7.39	8.9	11	0.11	91.9
G285352		4.74	0.01	1.03	0.39	119	430	0.30	0.31	20.3	52.8	16.85	10.2	16	0.26	75.2
G285353		5.16	0.01	0.10	0.06	70	80	0.10	0.15	20.8	151.5	2.07	2.1	4	<0.05	6.6
G285354		5.14	<0.01	0.06	0.07	13	100	0.12	0.05	19.75	61.5	1.79	1.5	5	0.05	4.6
G285355		0.12	0.23	>100	5.90	4510	230	0.77	0.15	2.32	128.0	28.8	11.7	46	4.28	501
G285356		4.88	<0.01	0.23	0.10	22	130	0.10	0.02	20.1	68.5	2.38	1.4	6	0.08	6.1
G285357		5.08	<0.01	0.14	0.05	11	60	0.11	0.09	20.2	12.15	1.43	1.3	4	<0.05	5.6
G285358		5.04	<0.01	0.03	0.08	6	110	0.14	0.26	20.7	1.69	2.27	1.1	4	0.07	2.2
G285359		3.46	<0.01	0.06	0.10	15	160	0.19	0.33	21.4	0.89	2.72	1.8	7	0.07	2.4
G285360		3.28	<0.01	0.31	0.85	25	1300	0.76	1.06	19.45	83.1	13.50	2.8	26	0.79	7.9
G285361		1.96	0.24	>100	0.10	464	80	0.19	2.24	0.18	>1000	3.28	0.9	8	0.18	1010
G285362		1.60	0.24	>100	0.03	1220	40	<0.05	1.33	0.03	>1000	17.90	0.7	1	0.09	738
G285363		4.06	<0.01	0.77	0.07	5	20	0.05	0.02	21.1	7.34	1.38	1.0	1	0.20	4.8
G285364		1.54	0.06	5.53	0.05	439	80	<0.05	0.05	0.12	406	1.73	3.3	22	0.15	25.5
G285365		1.16	0.06	28.3	0.09	3910	70	0.07	0.17	0.05	>1000	13.70	3.2	9	0.14	107.5
G285366		1.06	0.25	>100	0.13	865	90	0.21	6.68	0.44	>1000	11.60	1.3	8	0.35	1230
G285367		5.34	0.01	0.57	0.06	39	70	0.14	0.16	20.4	18.10	4.05	1.4	3	0.12	3.1
G285368		5.02	<0.01	1.10	0.03	5	40	0.08	0.05	20.9	10.40	1.62	1.0	1	0.08	1.9
G285369		5.20	<0.01	0.01	0.05	7	50	<0.05	0.01	21.4	0.13	0.18	0.1	4	<0.05	<0.2
G285370		5.84	<0.01	0.16	6.57	6.6	1180	1.92	0.04	7.35	2.20	100.5	43.6	81	0.42	60.8
G285371		4.58	0.01	0.09	3.36	13.1	1170	1.09	0.07	3.25	3.44	33.6	12.4	59	0.24	30.7
G285372		0.12	0.23	>100	6.00	4560	260	0.85	0.14	2.34	132.5	29.2	11.6	47	4.30	502
G285373		5.80	<0.01	0.34	4.85	7.0	990	0.98	0.06	5.58	4.48	55.5	16.7	95	0.47	30.8
G285374		5.96	<0.01	0.03	4.21	12	860	0.74	0.03	11.95	1.77	43.7	20.2	97	0.65	39.0
G285375		5.38	<0.01	0.08	6.46	7.1	810	0.97	0.04	8.07	10.85	56.8	34.8	181	1.76	79.2
G285376		3.22	<0.01	0.04	5.17	21.4	1300	1.21	0.06	6.07	56.6	68.3	24.8	88	1.17	57.0
G285377		2.56	<0.01	0.14	3.27	21.1	1500	0.80	0.09	4.86	98.4	45.8	22.1	40	1.06	36.9
G285378		5.56	<0.01	0.07	7.07	3.5	1710	1.55	0.02	4.55	9.25	126.0	46.3	141	6.84	72.1
G285379		2.62	<0.01	0.16	7.22	5.0	1920	1.59	0.03	4.60	6.74	123.5	46.5	148	6.33	73.5
G285380		6.06	<0.01	0.13	7.28	10.8	1290	1.42	0.03	5.22	5.30	84.2	45.3	181	3.19	64.8
G285381		5.40	0.01	0.57	1.94	67	170	0.56	0.15	16.85	10.50	25.2	14.2	86	0.58	53.6
G285382		5.48	<0.01	0.15	0.15	32	150	0.14	0.04	20.1	43.8	5.68	4.8	9	0.10	11.3
G285383		3.98	<0.01	0.02	0.07	11	20	0.09	0.15	20.3	0.24	1.46	1.2	1	0.17	2.1
G285384		5.14	<0.01	0.11	0.15	16	160	0.14	0.02	19.95	97.8	4.04	3.4	8	0.10	11.3
G285385		5.34	<0.01	0.08	0.07	8	100	0.10	0.06	18.50	58.0	1.99	2.1	5	0.05	9.6

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Finalized Date: 5-AUG-2010
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Project: RAU (ocelot)

CERTIFICATE OF ANALYSIS VA10100826

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
G285350		5.48	18.15	0.23	1.8	0.062	3.36	48.0	37.2	3.81	497	13.95	0.04	13.3	127.5	>10000
G285351		0.76	1.02	0.21	0.1	0.005	0.10	6.8	3.3	11.40	223	13.05	0.01	0.7	85.1	3050
G285352		0.55	2.38	0.35	0.3	0.015	0.19	14.3	4.7	11.15	180	43.7	0.01	0.9	138.5	7670
G285353		0.16	0.41	0.34	<0.1	<0.005	0.03	1.8	3.4	13.05	143	5.41	0.01	0.3	23.0	520
G285354		0.16	0.43	0.40	<0.1	<0.005	0.03	1.6	2.9	12.20	135	0.98	0.01	0.3	5.7	420
G285355		7.74	14.20	0.24	1.3	0.352	1.66	13.5	19.4	0.82	1380	8.80	1.16	4.5	23.9	500
G285356		0.23	0.54	0.46	0.1	0.009	0.04	2.0	2.5	12.05	176	0.79	0.01	0.4	0.9	700
G285357		0.13	0.45	0.44	<0.1	<0.005	0.02	1.4	3.0	12.55	198	1.20	0.02	0.2	5.1	340
G285358		0.16	0.60	0.73	0.1	0.005	0.03	1.8	1.8	12.40	179	1.00	0.01	0.3	3.0	670
G285359		0.17	0.79	0.48	0.1	0.005	0.04	2.2	2.9	13.30	215	1.50	0.02	0.3	7.1	860
G285360		0.58	4.39	0.33	0.6	0.015	0.38	11.6	4.9	11.30	256	2.90	0.03	2.1	10.9	3170
G285361		7.58	37.2	0.33	0.1	64.1	0.04	3.0	1.5	0.05	267	0.39	<0.01	0.2	4.6	710
G285362		10.90	52.3	0.15	<0.1	97.4	0.01	32.1	0.5	0.01	461	0.53	<0.01	0.1	2.7	60
G285363		0.45	0.32	0.29	<0.1	0.103	0.03	0.7	0.9	12.55	194	0.61	<0.01	0.3	<0.2	220
G285364		9.30	3.55	0.10	<0.1	3.12	0.02	3.2	3.1	0.06	173	0.54	<0.01	0.2	4.6	20
G285365		14.45	28.1	0.17	<0.1	26.8	0.04	16.8	1.4	0.02	351	3.87	<0.01	0.3	7.3	90
G285366		4.19	19.70	0.15	<0.1	51.0	0.04	15.7	5.9	0.18	269	1.75	<0.01	0.2	7.1	430
G285367		0.47	0.50	0.29	<0.1	0.211	0.02	3.3	3.2	12.20	515	2.30	0.01	0.3	<0.2	240
G285368		0.19	0.37	0.59	<0.1	0.051	0.01	1.1	2.5	12.60	363	0.12	<0.01	0.2	<0.2	130
G285369		0.13	0.14	0.19	<0.1	<0.005	0.02	<0.5	0.4	13.45	292	<0.05	0.02	<0.1	0.2	400
G285370		5.60	18.90	0.23	1.0	0.084	1.16	55.1	26.2	3.78	1560	1.78	1.41	31.9	73.4	2790
G285371		3.47	8.81	0.15	1.2	0.041	1.73	21.9	7.7	1.67	991	3.50	0.04	16.5	33.1	730
G285372		7.90	14.20	0.24	1.5	0.376	1.69	13.4	20.1	0.83	1400	9.02	1.18	4.6	24.0	510
G285373		4.80	12.95	0.15	1.0	0.051	2.32	31.0	9.9	1.59	1100	2.05	0.03	21.5	36.4	1400
G285374		4.39	11.30	0.14	0.5	0.045	2.12	26.0	9.8	3.05	1490	0.63	0.03	21.4	35.3	1190
G285375		8.35	18.20	0.26	0.7	0.076	2.50	30.7	21.6	3.06	855	0.92	0.03	38.2	81.9	1620
G285376		6.15	14.55	0.25	1.5	0.064	2.65	41.4	12.7	2.97	1530	1.72	0.04	38.1	61.8	2190
G285377		4.61	8.48	0.16	1.2	0.040	1.72	30.9	8.4	1.30	1260	5.73	0.03	16.7	69.9	2470
G285378		9.55	22.1	0.33	3.6	0.096	1.79	69.4	39.0	5.09	822	2.83	0.10	52.2	124.0	3430
G285379		9.80	21.4	0.34	2.9	0.091	1.79	67.4	38.7	5.13	848	2.44	0.10	45.5	124.5	3440
G285380		7.02	20.6	0.28	1.3	0.082	3.31	43.6	39.4	4.40	792	2.53	0.05	30.7	133.0	2760
G285381		3.77	5.43	0.17	1.1	0.017	1.02	19.5	14.1	8.75	216	61.4	0.03	4.6	141.5	>10000
G285382		0.72	0.62	0.21	0.1	<0.005	0.07	5.5	3.8	12.35	229	8.45	0.02	0.5	40.7	2280
G285383		0.48	0.36	0.16	<0.1	<0.005	0.03	0.7	1.3	12.60	189	0.11	0.01	0.3	<0.2	200
G285384		0.31	0.83	0.61	0.1	<0.005	0.06	3.6	3.4	11.80	206	4.21	0.01	0.5	18.9	1430
G285385		0.22	0.30	0.22	<0.1	<0.005	0.03	2.1	2.9	11.10	158	1.00	<0.01	0.3	10.9	500

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	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
G285350		26.1	53.7	0.006	1.33	16.90	18.3	8	1.4	169.5	1.06	0.07	4.2	0.462	1.21	46.1
G285351		21.5	2.4	0.003	0.12	40.2	0.6	6	<0.2	95.5	0.05	0.06	0.3	0.016	0.08	21.0
G285352		34.9	5.5	0.009	0.05	43.9	1.0	7	0.6	116.0	0.07	0.16	0.9	0.018	0.20	66.7
G285353		10.2	0.8	0.003	0.04	3.84	0.3	3	<0.2	68.0	<0.05	<0.05	<0.2	<0.005	0.03	6.2
G285354		9.2	0.9	<0.002	0.01	2.20	0.3	3	<0.2	64.1	<0.05	<0.05	<0.2	<0.005	0.02	5.1
G285355		8940	118.0	0.013	5.90	125.5	11.3	22	12.6	211	0.39	0.05	3.6	0.294	2.43	2.5
G285356		23.8	1.4	0.003	0.02	3.60	0.3	3	0.2	58.1	<0.05	<0.05	0.2	0.006	0.04	8.0
G285357		5.0	0.6	<0.002	0.02	2.75	0.3	2	<0.2	62.7	<0.05	<0.05	<0.2	<0.005	0.02	5.6
G285358		4.3	1.2	0.030	0.10	0.86	0.2	2	<0.2	61.0	<0.05	<0.05	0.2	<0.005	0.05	8.4
G285359		5.0	1.7	0.005	0.04	0.91	0.3	2	0.2	70.0	<0.05	<0.05	0.2	<0.005	0.08	8.8
G285360		42.0	14.5	0.016	0.15	4.46	1.4	4	2.8	79.8	0.16	0.05	1.8	0.041	0.54	26.5
G285361		>10000	2.4	0.002	>10.0	1025	0.4	19	>500	4.1	<0.05	0.28	0.2	<0.005	2.24	11.6
G285362		>10000	0.6	0.007	>10.0	226	0.1	29	392	3.0	<0.05	0.28	<0.2	<0.005	1.41	1.3
G285363		234	1.4	<0.002	0.07	1.10	0.3	2	1.1	44.3	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
G285364		358	1.1	0.004	>10.0	17.95	0.1	4	16.0	2.4	<0.05	0.05	<0.2	<0.005	1.80	3.0
G285365		885	2.9	0.040	>10.0	26.2	0.1	22	83.5	3.1	<0.05	0.32	<0.2	<0.005	2.97	3.4
G285366		>10000	2.5	0.006	>10.0	1510	0.4	14	>500	6.7	<0.05	0.08	0.2	<0.005	2.40	7.3
G285367		151.5	0.9	0.014	0.39	1.66	0.2	3	1.2	68.7	<0.05	<0.05	<0.2	<0.005	0.22	4.1
G285368		254	0.4	0.002	0.06	1.80	0.2	2	0.8	63.1	<0.05	<0.05	<0.2	<0.005	0.05	2.9
G285369		1.4	0.1	<0.002	0.05	<0.05	<0.1	<1	3.8	6.6	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
G285370		28.9	15.2	0.006	0.36	0.49	15.0	2	1.5	138.0	1.91	<0.05	4.8	0.865	0.13	0.8
G285371		11.8	22.7	<0.002	1.18	2.03	8.8	2	0.9	38.1	0.94	<0.05	2.7	0.459	0.21	1.4
G285372		9100	119.0	0.013	6.01	126.0	11.2	21	12.8	215	0.42	0.05	3.6	0.303	2.41	2.6
G285373		22.5	27.8	0.003	0.85	2.16	11.9	2	1.4	56.2	1.65	<0.05	4.0	0.743	0.22	1.3
G285374		4.3	32.1	<0.002	0.42	2.08	13.5	2	0.9	146.5	1.17	<0.05	2.4	0.671	0.74	0.4
G285375		10.6	53.5	0.005	0.19	1.81	24.4	2	1.3	175.0	1.99	<0.05	2.7	1.255	1.20	0.7
G285376		17.1	48.7	0.003	0.28	26.5	14.8	4	1.3	81.2	2.09	0.07	3.4	1.125	0.99	2.4
G285377		18.8	30.0	0.003	0.73	12.70	7.8	5	0.9	78.0	0.95	<0.05	2.8	0.448	0.87	3.4
G285378		2.6	60.8	0.012	0.15	5.75	18.7	3	1.7	223	3.02	<0.05	5.9	1.275	1.84	4.1
G285379		3.8	55.9	0.013	0.17	4.74	18.2	2	1.6	225	2.68	<0.05	5.7	1.220	1.85	3.5
G285380		4.8	65.2	<0.002	4.07	5.38	21.5	2	1.5	178.0	1.79	<0.05	4.2	0.836	1.24	3.8
G285381		18.2	20.0	0.032	3.28	26.0	5.7	10	0.5	134.0	0.23	0.09	1.3	0.136	1.00	45.1
G285382		11.3	1.9	0.005	0.35	6.06	0.4	5	<0.2	80.9	<0.05	<0.05	0.3	0.009	1.75	22.5
G285383		2.7	1.4	<0.002	0.09	0.07	0.5	1	<0.2	46.2	<0.05	<0.05	<0.2	<0.005	<0.02	0.7
G285384		15.9	1.9	0.021	0.04	5.90	0.4	5	<0.2	76.8	<0.05	<0.05	0.3	0.007	0.17	16.0
G285385		14.2	0.9	0.013	0.02	3.74	0.2	4	<0.2	63.6	<0.05	<0.05	<0.2	<0.005	0.05	6.9

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 5-AUG-2010
Account: RCM

Project: RAU (ocelot)

CERTIFICATE OF ANALYSIS VA10100826

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Pb-OG62	Zn-OG62	Pb-VOL70	Zn-VOL50
	Analyte	V	W	Y	Zn	Zr	Ag	Pb	Zn	Pb	Zn
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	LOR	1	0.1	0.1	2	0.5	1	0.001	0.001	0.01	0.01
G285350		240	1.8	45.1	7370	63.5					
G285351		61	0.3	12.1	6410	4.4					
G285352		203	0.7	29.0	6730	10.1					
G285353		21	0.2	3.1	5290	1.5					
G285354		14	0.1	2.7	7520	1.6					
G285355		94	3.0	13.6	>10000	35.7	336		1.305		
G285356		25	0.2	3.8	>10000	2.0			1.425		
G285357		20	0.2	2.3	2670	1.3					
G285358		21	0.6	3.0	606	1.7					
G285359		31	0.8	4.3	764	2.2					
G285360		93	1.7	12.4	>10000	16.4			1.395		
G285361		16	16.8	1.5	>10000	2.0	798	>20.0	26.0	23.67	
G285362		4	2.0	0.2	>10000	1.1	150	3.82	>30.0		45.33
G285363		3	0.1	0.9	643	<0.5					
G285364		5	0.6	0.2	>10000	0.5			4.35		
G285365		25	16.3	0.3	>10000	1.4			>30.0		38.81
G285366		9	4.7	1.1	>10000	1.8	1160	>20.0	18.60	28.52	
G285367		14	0.8	1.6	>10000	1.2			1.485		
G285368		8	0.1	1.2	2870	0.5					
G285369		10	<0.1	0.2	664	<0.5					
G285370		175	0.5	18.9	214	39.5					
G285371		88	0.7	9.6	592	49.1					
G285372		96	3.2	13.2	>10000	37.4	337		1.265		
G285373		126	0.6	15.8	704	35.1					
G285374		128	0.7	14.0	355	16.2					
G285375		229	0.5	16.4	2370	31.4					
G285376		174	2.5	18.9	9050	62.5					
G285377		79	0.9	18.7	>10000	49.5			2.24		
G285378		215	2.0	23.5	2090	152.0					
G285379		219	2.0	21.8	1480	119.0					
G285380		209	1.1	17.2	1030	52.0					
G285381		171	0.7	31.8	2990	44.0					
G285382		51	0.3	9.1	>10000	3.5			1.320		
G285383		2	0.1	1.0	40	0.5					
G285384		47	0.2	6.4	>10000	3.5			1.575		
G285385		17	0.1	3.1	8440	1.7					

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 5-AUG-2010
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Project: RAU (ocelot)

CERTIFICATE OF ANALYSIS VA10100826

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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Finalized Date: 3-AUG-2010
Account: RCM

CERTIFICATE VA10100827

Project: RAU

P.O. No.: BATCH 50

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 26-JUL-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LOG-23	Pulp Login - Rcvd with Barcode
CRU-31	Fine crushing - 70% <2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS VA10100827

Sample Description	Method	WEI-21	Au-AA26	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
I076265		1.50	0.02	0.30	1.67	1050	320	0.52	0.43	31.8	2.38	19.25	3.3	32	1.98	11.5
I076266		0.72	0.01	0.30	1.35	1250	280	0.42	0.46	31.8	2.39	16.30	3.1	26	2.01	9.4
I076267		2.82	0.02	0.50	1.64	1190	360	0.49	0.56	30.4	2.62	20.6	4.4	32	2.51	12.0
I076268		2.58	0.03	0.69	2.83	1100	540	0.96	0.62	19.85	5.51	34.1	4.4	37	2.36	18.8
I076269		1.68	0.03	4.99	3.50	4260	600	1.81	63.1	13.00	8.79	46.7	11.8	63	3.91	46.4
I076270		1.26	<0.01	0.83	11.00	1610	1400	4.28	11.15	1.05	2.72	237	9.2	86	9.49	79.0
I076271		1.56	<0.01	0.36	11.60	869	1910	5.16	2.04	0.25	1.52	229	6.1	96	7.69	62.3
I076272		1.30	0.23	0.58	11.00	2280	1680	4.47	2.45	0.80	5.33	219	17.8	90	8.28	106.0
I076273		0.28	1.37	0.59	5.03	77.1	90	1.16	1.28	0.98	0.12	12.20	22.4	156	24.3	467
I076274		1.46	0.02	0.84	3.81	2600	490	1.90	2.16	20.3	9.01	90.7	13.5	46	4.44	35.1
I076275		1.66	0.01	0.16	0.96	149	170	0.30	0.08	33.3	1.38	13.50	1.4	42	0.39	2.6
I076276		0.86	0.01	0.56	1.13	604	240	0.40	0.14	32.8	4.80	16.85	5.0	16	0.86	5.7
I076277		1.74	0.01	0.23	0.41	236	110	0.17	0.06	34.0	1.33	9.03	4.7	5	0.20	3.5
I076278		0.88	0.01	0.54	1.68	770	360	0.53	0.16	28.6	4.51	24.6	4.0	17	0.77	7.2
I076279		1.14	0.01	0.45	1.29	797	260	0.44	0.10	27.6	4.30	23.8	4.7	15	0.60	5.8
I076280		1.84	0.01	0.30	2.14	637	460	0.59	0.12	27.2	3.00	30.2	5.3	14	3.48	5.3
I076281		5.02	<0.01	<0.01	0.07	<5	20	0.09	0.02	20.7	0.07	1.06	1.3	1	0.19	2.1
I076282		2.20	0.02	0.49	1.60	1370	370	0.59	0.08	23.9	5.64	26.6	9.0	19	3.38	9.8
I076283		1.26	<0.01	0.65	7.82	1650	590	3.53	2.56	2.73	4.87	114.5	18.3	111	3.56	29.4
I076284		0.48	0.01	3.49	7.73	2320	1170	1.65	0.18	6.53	3.93	109.0	92.0	60	36.8	24.5
I076285		5.18	0.01	0.12	1.14	24	70	0.40	2.16	19.45	0.07	23.5	4.3	27	10.10	3.2
I076286		2.50	0.01	0.15	1.21	19	70	0.46	2.75	20.1	0.08	26.8	5.3	30	10.50	3.3
I076287		4.56	0.02	0.25	0.90	26	40	0.39	6.95	20.0	0.13	17.45	6.8	27	7.60	4.4
I076288		4.06	0.02	0.19	3.03	35	330	0.75	4.21	14.40	0.28	44.9	9.0	58	23.2	8.0
I076289		5.60	0.02	0.15	4.84	37	240	1.07	1.46	11.65	0.04	83.5	9.1	36	23.2	10.0
I076290		5.78	<0.01	0.32	8.80	7.4	350	2.28	9.13	1.51	<0.02	99.5	24.3	166	5.68	61.6
I076291		3.00	0.01	0.37	8.53	1.6	220	1.90	3.62	6.25	<0.02	96.7	23.2	177	11.55	87.2
I076292		2.86	0.03	0.29	9.63	118.5	100	1.96	4.22	1.55	0.08	91.6	32.6	238	6.39	56.4
I076293		3.56	0.05	0.44	10.05	202	230	2.08	1.69	1.33	0.04	80.8	44.1	257	6.63	47.5
I076294		4.14	<0.01	0.01	0.11	<5	30	0.06	0.04	21.6	0.06	1.48	1.5	2	0.18	2.4
I076295		3.60	0.01	0.19	4.71	63	240	1.07	0.53	13.35	0.06	69.8	32.6	60	10.55	23.7
I076296		4.02	0.01	0.09	4.17	49	300	1.37	3.99	14.00	0.04	40.0	22.5	19	5.27	9.3
I076297		0.28	2.87	0.64	0.17	1680	30	0.23	92.5	14.75	1.47	9.67	1.7	11	0.89	34.5
I076298		5.64	0.01	0.05	0.13	44	130	0.09	0.87	20.1	0.03	5.35	1.5	2	0.28	5.1
I076299		5.38	0.04	0.20	0.64	55	210	0.25	4.10	19.25	0.04	5.94	4.5	14	0.75	6.2
I076300		5.24	0.03	0.04	0.16	34	70	0.20	0.42	20.8	0.04	4.35	1.6	4	0.24	3.1

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Project: RAU

Finalized Date: 3-AUG-2010
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CERTIFICATE OF ANALYSIS VA10100827

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I076265		2.44	3.81	<0.05	0.7	0.025	0.71	18.2	4.7	0.32	643	0.26	0.01	7.4	9.2	580
I076266		2.41	3.06	<0.05	0.6	0.033	0.55	14.5	4.4	0.29	635	0.29	0.01	5.3	9.0	440
I076267		2.94	3.88	<0.05	0.8	0.037	0.68	17.3	4.7	0.30	701	0.34	0.01	6.3	16.0	640
I076268		5.13	6.99	0.05	0.8	0.041	1.26	28.1	2.8	0.20	860	0.52	0.03	11.7	21.4	1320
I076269		17.55	11.00	0.23	1.1	0.071	1.11	33.4	3.8	0.55	923	0.94	0.09	11.9	49.1	3360
I076270		8.16	49.2	0.54	0.2	0.107	5.63	123.0	9.3	0.60	262	0.34	0.08	11.9	56.3	4450
I076271		6.01	47.7	0.47	5.4	0.203	5.21	121.0	12.4	0.63	252	0.24	0.10	29.1	53.9	1210
I076272		10.65	48.6	0.48	1.3	0.163	5.72	124.5	7.1	0.53	788	0.59	0.09	15.0	100.5	870
I076273		1.96	12.80	0.07	1.3	0.038	3.61	7.8	7.2	0.37	284	4.37	1.20	2.5	466	450
I076274		10.85	11.20	0.19	1.5	0.099	1.54	65.0	4.4	0.36	1260	0.90	0.04	12.3	58.4	1050
I076275		0.88	2.42	<0.05	0.6	0.022	0.45	14.0	0.6	0.23	431	0.12	<0.01	5.1	4.0	580
I076276		2.45	2.75	<0.05	0.7	0.015	0.49	18.0	1.1	0.29	746	0.26	0.01	5.5	16.0	570
I076277		1.46	1.11	<0.05	0.3	0.015	0.18	9.2	0.5	0.34	626	0.15	<0.01	2.4	9.0	200
I076278		3.08	4.72	<0.05	0.4	0.044	0.79	21.4	1.2	0.18	828	0.47	0.02	7.6	9.3	500
I076279		4.40	3.82	0.05	0.3	0.104	0.60	20.8	1.0	0.16	903	0.46	0.01	4.9	11.2	610
I076280		2.31	5.90	<0.05	0.2	0.043	0.96	21.3	2.6	0.30	465	0.20	0.02	8.1	12.7	800
I076281		0.43	0.33	0.38	<0.1	0.006	0.03	0.6	1.0	12.25	198	0.14	<0.01	0.3	2.0	200
I076282		4.96	4.32	0.05	0.5	0.039	0.56	23.5	3.6	0.45	1080	0.36	0.01	5.3	25.4	950
I076283		9.19	25.6	0.21	1.2	0.781	2.18	74.3	15.4	2.04	1820	1.13	1.08	6.8	106.5	1640
I076284		12.40	21.2	0.30	0.2	0.145	3.47	53.1	21.2	1.77	2290	0.57	0.08	60.1	136.5	4040
I076285		1.59	3.08	<0.05	0.4	0.030	0.82	12.5	7.0	10.25	941	0.20	0.01	6.5	3.1	510
I076286		1.87	3.29	<0.05	0.5	0.028	0.85	14.3	6.8	10.50	934	0.19	0.01	7.4	4.4	520
I076287		2.01	2.91	<0.05	0.5	0.030	0.66	9.3	5.2	10.20	1220	0.26	0.01	6.9	4.9	680
I076288		4.09	8.13	0.06	0.6	0.022	2.17	28.1	15.5	8.66	635	0.36	0.02	21.4	15.5	660
I076289		4.75	12.25	0.11	0.6	0.024	2.93	51.9	20.8	6.87	272	0.37	0.05	35.0	21.6	770
I076290		7.38	24.5	0.30	1.6	0.056	4.95	51.4	16.9	1.15	64	1.34	0.19	65.0	113.0	2880
I076291		8.07	22.7	0.28	1.7	0.053	4.45	56.7	20.7	1.98	350	1.81	0.19	41.8	148.0	2390
I076292		8.32	27.2	0.34	2.0	0.077	4.94	47.4	26.1	1.41	103	1.91	0.10	37.8	150.0	2990
I076293		11.45	26.6	0.34	1.7	0.074	5.13	31.4	17.4	1.09	77	2.03	0.11	43.7	182.0	2130
I076294		0.48	0.34	0.20	<0.1	<0.005	0.05	0.8	1.3	12.90	195	0.08	<0.01	0.6	<0.2	210
I076295		1.93	11.30	0.10	1.0	0.022	2.11	41.8	15.4	7.85	415	1.68	0.12	35.4	60.8	1990
I076296		1.54	12.85	0.08	0.9	0.022	1.87	24.1	16.8	7.85	349	0.28	0.09	43.2	31.7	990
I076297		10.10	1.08	0.21	0.1	0.061	0.08	5.4	3.0	8.29	1720	4.25	<0.01	1.0	7.4	80
I076298		1.24	0.46	<0.05	0.1	0.020	0.07	3.8	1.9	10.55	643	0.09	<0.01	0.8	<0.2	70
I076299		2.08	2.04	<0.05	0.3	0.020	0.32	4.3	4.9	10.60	589	0.28	<0.01	4.8	7.5	210
I076300		0.75	0.83	0.12	<0.1	0.026	0.05	3.0	3.3	11.55	778	0.11	<0.01	0.7	0.3	110

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Project: RAU

Finalized Date: 3-AUG-2010
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CERTIFICATE OF ANALYSIS VA10100827

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I076265		86.0	26.9	<0.002	0.01	3.53	3.8	2	0.7	90.2	0.42	0.06	1.7	0.181	0.23	1.2
I076266		61.5	22.7	<0.002	0.01	2.83	3.4	2	0.7	105.5	0.31	<0.05	1.3	0.134	0.25	1.2
I076267		76.9	26.6	<0.002	0.01	4.16	3.6	3	0.9	87.9	0.36	0.06	1.7	0.167	0.32	1.3
I076268		203	52.8	0.003	<0.01	8.28	5.7	3	0.9	29.2	0.66	0.08	2.9	0.282	0.50	1.7
I076269		218	58.8	0.005	0.01	40.6	7.5	3	2.6	24.5	0.71	0.42	3.2	0.309	0.75	3.1
I076270		308	289	0.006	<0.01	19.10	25.4	3	17.0	26.6	0.41	0.29	7.7	0.311	2.58	1.4
I076271		127.5	243	0.006	<0.01	9.52	28.1	3	50.4	15.7	1.58	0.22	9.5	0.967	1.69	5.9
I076272		300	256	0.006	<0.01	29.9	23.0	3	15.1	14.0	0.75	0.51	7.2	0.492	1.75	2.6
I076273		163.0	930	<0.002	0.28	2.19	3.0	2	2.8	48.9	1.85	0.15	2.0	0.082	7.36	0.7
I076274		355	99.3	0.004	<0.01	31.1	8.5	3	4.4	29.2	0.75	0.11	3.3	0.361	1.05	3.3
I076275		16.9	20.6	<0.002	0.01	0.68	2.1	2	0.4	147.5	0.29	<0.05	1.0	0.110	0.10	0.9
I076276		75.9	25.5	<0.002	0.01	3.46	2.5	3	0.4	82.1	0.31	0.05	1.3	0.132	0.19	1.2
I076277		35.9	6.9	0.002	0.02	0.96	1.1	2	0.2	83.4	0.13	0.05	0.4	0.058	0.08	0.6
I076278		84.9	35.1	<0.002	<0.01	1.84	3.7	3	0.7	33.7	0.44	0.06	1.3	0.223	0.24	0.6
I076279		79.3	26.3	<0.002	<0.01	3.81	2.9	2	1.1	24.6	0.28	<0.05	1.0	0.138	0.19	0.7
I076280		5.9	38.2	0.002	<0.01	1.28	4.5	3	0.6	41.9	0.48	<0.05	1.3	0.282	0.56	0.6
I076281		1.2	1.6	<0.002	0.01	<0.05	0.3	2	<0.2	43.1	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
I076282		6.0	25.0	<0.002	<0.01	3.80	3.6	3	0.6	22.3	0.30	<0.05	1.7	0.153	0.43	1.4
I076283		108.5	184.0	0.003	0.07	10.10	15.5	2	66.6	156.0	0.39	<0.05	3.6	0.349	1.53	2.2
I076284		3.6	337	0.003	<0.01	2.70	15.4	4	4.1	32.1	3.52	<0.05	4.5	2.06	3.30	2.0
I076285		2.7	109.0	<0.002	1.42	0.72	2.9	2	3.9	67.0	0.30	0.06	1.4	0.120	0.82	0.6
I076286		3.1	113.0	<0.002	1.79	0.85	3.2	2	5.0	68.0	0.35	0.07	1.6	0.129	0.84	0.7
I076287		3.0	112.0	<0.002	1.67	0.39	2.7	2	3.9	66.4	0.34	0.19	1.3	0.125	0.66	0.6
I076288		2.8	245	<0.002	4.31	0.67	4.5	2	2.7	66.9	1.13	0.10	6.1	0.266	1.77	0.6
I076289		1.6	189.5	<0.002	5.16	0.46	5.6	2	1.7	71.6	1.96	0.05	10.0	0.303	1.58	0.4
I076290		2.9	165.0	0.002	4.14	0.83	17.4	3	10.0	60.3	3.39	0.21	12.0	0.803	1.09	1.9
I076291		2.8	173.0	0.003	4.81	0.71	19.8	4	7.1	71.1	2.17	0.21	9.7	0.762	1.30	1.9
I076292		6.3	123.0	0.003	8.26	4.03	25.1	4	3.8	31.1	1.92	0.20	10.3	0.713	1.27	2.2
I076293		10.1	135.0	0.002	>10.0	11.75	23.3	3	2.8	29.2	2.20	0.06	8.2	0.826	1.31	2.1
I076294		1.2	2.1	<0.002	0.04	<0.05	0.3	2	<0.2	45.8	<0.05	<0.05	<0.2	0.009	<0.02	0.5
I076295		3.4	68.1	<0.002	1.78	3.92	6.0	2	1.5	96.1	1.70	<0.05	4.8	0.505	0.79	1.1
I076296		2.0	54.7	<0.002	1.46	2.97	3.9	3	1.5	74.7	2.22	<0.05	8.0	0.313	0.46	0.7
I076297		99.4	12.0	0.013	>10.0	4.64	1.5	6	3.5	71.7	<0.05	0.06	0.5	0.011	0.42	0.2
I076298		1.6	2.7	<0.002	1.09	0.76	0.5	3	<0.2	81.1	<0.05	<0.05	0.2	0.011	0.03	0.1
I076299		3.4	16.7	<0.002	2.17	2.53	1.3	3	0.6	66.0	0.23	<0.05	0.9	0.072	0.17	0.5
I076300		2.8	5.5	<0.002	0.31	1.06	1.1	3	0.3	71.6	<0.05	<0.05	0.5	0.009	0.04	<0.1

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 3-AUG-2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10100827

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
I076265		51	20.7	17.0	833	32.1
I076266		43	14.4	15.0	733	24.0
I076267		40	41.5	14.2	925	30.7
I076268		66	118.5	17.1	952	38.0
I076269		111	470	25.8	3510	45.7
I076270		165	226	21.9	1790	6.4
I076271		432	120.5	18.3	821	245
I076272		776	229	18.2	2240	62.1
I076273		23	8.0	3.8	133	59.9
I076274		108	306	22.9	2990	66.0
I076275		38	7.9	12.7	170	25.7
I076276		33	35.8	13.5	662	29.6
I076277		18	11.7	8.7	274	12.6
I076278		46	41.5	15.1	695	18.3
I076279		43	129.5	14.7	769	13.4
I076280		48	24.0	14.5	501	9.3
I076281		3	0.2	0.8	7	<0.5
I076282		41	64.8	17.2	1130	23.2
I076283		149	228	21.4	1560	46.5
I076284		188	36.5	31.1	2900	8.4
I076285		22	1.0	13.4	22	22.0
I076286		24	1.2	14.0	16	23.1
I076287		21	1.5	13.2	27	23.2
I076288		42	1.6	16.1	61	26.6
I076289		44	1.2	17.4	18	26.6
I076290		135	4.3	27.8	<2	75.0
I076291		139	2.9	27.3	5	79.1
I076292		181	4.0	36.6	20	87.9
I076293		180	2.2	27.6	9	75.1
I076294		4	0.1	1.0	7	1.0
I076295		60	2.7	20.2	18	51.5
I076296		32	2.5	15.8	2	45.1
I076297		10	2060	6.2	343	3.9
I076298		7	1.2	4.7	2	2.5
I076299		18	1.3	5.8	<2	15.8
I076300		26	0.5	4.2	13	1.9

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 3-AUG-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10100827

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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Finalized Date: 3-AUG-2010
Account: RCM

CERTIFICATE VA10102740

Project: RAU

P.O. No.: BATCH 53

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 27-JUL-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LOG-23	Pulp Login - Rcvd with Barcode
CRU-31	Fine crushing - 70% <2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Project: RAU

Finalized Date: 3-AUG-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10102740

Sample Description	Method	WEI-21	Au-AA26	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
I076373		8.14	0.19	0.11	0.12	726	40	0.06	12.40	19.45	0.07	6.22	2.8	4	0.53	3.7
I076374		8.40	0.41	0.17	0.09	7190	30	<0.05	34.0	16.75	0.06	5.20	4.2	1	0.46	4.9
I076375		8.50	0.20	0.19	0.12	534	30	0.10	24.3	16.95	0.05	5.14	6.0	2	0.64	10.0
I076376		5.70	0.06	0.11	0.12	88	30	0.12	4.30	14.50	0.02	4.60	12.3	7	0.91	12.4
I076377		6.54	0.03	0.28	4.42	26.4	270	3.03	2.38	8.88	0.08	53.7	44.0	30	24.8	153.0
I076378		0.26	2.90	0.92	0.17	1770	30	0.06	104.0	14.80	1.76	11.30	2.2	12	1.02	33.7
I076379		7.84	<0.01	<0.01	7.90	14.6	1760	4.37	0.51	8.57	0.08	123.0	30.0	55	37.9	3.3
I076380		8.32	<0.01	0.08	6.04	25	890	1.95	0.18	14.00	0.04	96.6	24.8	40	32.0	<0.2
I076381		4.58	<0.01	<0.01	0.07	<5	20	<0.05	0.08	20.8	0.07	1.32	1.5	1	0.14	1.9
I076382		3.90	<0.01	0.07	0.28	151	380	0.20	0.66	21.4	0.72	4.41	2.3	6	0.51	1.7
I076383		2.06	0.08	1.94	0.45	3260	1200	1.27	14.50	14.95	10.20	11.05	18.7	9	0.80	27.8
I076384		1.30	0.01	1.60	0.53	4110	1100	1.74	7.15	10.10	16.75	10.85	19.2	8	1.09	17.3
I076385		4.12	<0.01	0.11	0.47	82	510	0.33	1.10	20.9	1.43	5.52	2.9	8	0.69	2.2
I076386		4.54	0.29	0.08	1.37	40	560	0.63	47.8	18.55	0.04	7.87	4.8	41	2.29	18.3
I076387		4.34	3.85	0.12	1.06	61	260	0.73	535	17.20	0.06	18.40	3.3	20	1.49	168.5
I076388		3.72	0.72	0.07	1.01	64	140	0.45	114.5	17.25	0.05	14.50	2.9	13	5.54	33.1
I076389		5.76	0.04	0.12	0.52	56	40	0.18	14.60	18.55	0.06	11.80	3.5	8	4.83	3.0
I076390		5.90	<0.01	0.05	0.17	18	20	0.06	2.12	19.50	0.07	9.01	1.8	8	1.47	1.6
I076391		2.40	<0.01	0.06	0.16	24	20	0.05	2.33	18.40	0.07	9.86	1.9	5	1.21	1.6
I076392		6.02	0.01	0.11	0.82	56	80	0.48	544	19.65	0.04	13.05	8.4	17	7.76	3.5
I076393		3.90	0.02	<0.01	8.12	133.5	210	2.41	6.08	3.73	<0.02	88.4	53.0	212	16.05	38.8
I076394		5.90	<0.01	<0.01	9.67	24.9	1130	2.92	1.34	3.07	<0.02	173.0	46.9	231	19.15	55.7
I076395		0.28	0.43	1.72	0.16	6740	50	<0.05	80.9	16.75	2.58	14.65	2.6	9	0.38	20.8
I076396		6.22	<0.01	<0.01	9.55	8.6	3150	2.77	0.31	1.56	0.02	127.0	40.7	223	27.8	64.5
I076397		5.18	<0.01	<0.01	8.47	6.2	1780	2.82	0.24	2.52	<0.02	111.5	35.5	317	46.7	<0.2
I076398		2.38	0.06	<0.01	7.73	80.2	530	3.08	3.84	2.98	<0.02	102.0	31.5	333	16.25	28.9
I076399		5.00	0.02	<0.01	8.45	109.5	1160	3.53	5.64	3.83	<0.02	114.5	28.4	199	27.8	19.4
I076400		5.04	0.01	<0.01	9.55	10.6	2090	4.97	1.02	2.81	<0.02	167.5	22.9	94	15.65	17.5
I076401		4.36	0.03	<0.01	8.57	58.5	210	4.28	3.76	1.69	<0.02	141.5	23.9	69	8.91	14.4
I076402		4.36	<0.01	<0.01	0.08	<5	20	<0.05	0.03	21.5	0.08	1.42	2.0	2	0.21	3.3
I076403		2.08	4.74	0.13	1.06	>10000	40	0.35	367	14.00	0.04	10.60	8.0	24	6.80	5.4
I076404		4.58	0.05	0.06	1.06	151	90	0.38	23.3	18.35	0.07	12.05	2.8	20	7.90	2.8
I076405		4.90	0.14	0.11	0.48	1260	50	0.17	35.7	12.70	0.07	7.24	1.7	12	3.97	3.7
I076406		5.88	0.04	0.04	1.25	311	90	0.53	5.83	17.10	0.03	26.0	4.2	18	13.50	5.6
I076407		4.02	0.39	0.08	1.01	961	160	0.38	1240	16.65	0.04	28.4	3.7	16	9.73	5.9
I076408		2.42	0.61	0.05	0.20	2230	40	<0.05	880	17.15	0.04	8.34	1.3	4	1.96	5.2

***** See Appendix Page for comments regarding this certificate *****

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Project: RAU

Finalized Date: 3-AUG-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10102740

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I076373		5.44	1.22	0.06	0.1	0.040	0.05	3.7	5.6	10.80	1480	0.25	<0.01	0.5	<0.2	330
I076374		9.60	1.15	0.09	0.1	0.065	0.03	2.7	4.7	9.31	1940	0.30	<0.01	0.5	1.7	220
I076375		8.60	1.46	0.12	0.1	0.046	0.05	2.9	4.2	9.62	1360	0.24	<0.01	0.5	5.4	740
I076376		8.48	2.13	0.10	0.1	0.018	0.06	3.4	2.6	6.49	456	0.43	<0.01	0.4	16.8	620
I076377		13.25	26.5	0.25	0.3	0.048	2.91	25.0	66.7	1.46	487	0.68	0.28	23.6	79.9	1810
I076378		10.35	1.51	0.36	0.1	0.047	0.07	5.6	4.8	8.40	1830	5.10	<0.01	1.0	6.6	90
I076379		7.39	41.0	0.27	0.8	0.078	4.16	58.8	98.0	1.93	1000	0.11	0.37	59.6	70.4	2140
I076380		5.57	28.1	0.20	0.8	0.058	3.44	47.9	53.3	1.87	1080	0.13	0.29	38.1	62.9	2710
I076381		0.44	0.38	0.16	<0.1	<0.005	0.02	0.7	0.9	12.35	205	0.09	<0.01	0.3	<0.2	300
I076382		0.89	1.02	0.18	0.1	0.053	0.10	2.7	2.2	11.45	940	0.89	<0.01	0.6	2.9	30
I076383		17.40	2.89	0.20	0.2	7.16	0.14	7.3	3.6	5.11	3380	6.89	0.01	0.7	68.0	160
I076384		26.2	3.69	0.31	0.2	11.95	0.20	7.0	3.0	3.65	16750	6.25	<0.01	0.9	77.5	130
I076385		0.93	1.73	0.05	0.2	0.138	0.18	3.2	4.2	11.00	1500	1.25	<0.01	1.1	<0.2	30
I076386		2.46	6.32	<0.05	0.5	0.041	0.61	4.0	20.5	10.10	2220	0.61	<0.01	4.7	8.7	40
I076387		5.84	6.54	0.27	0.5	0.112	0.49	7.7	11.9	8.48	7890	0.34	<0.01	4.4	4.9	100
I076388		5.01	6.93	0.05	0.6	0.057	0.61	6.3	14.5	8.96	6030	0.55	<0.01	4.0	1.1	120
I076389		4.34	3.90	0.05	0.4	0.051	0.37	5.4	8.4	10.15	2600	0.38	<0.01	2.1	1.9	80
I076390		2.39	1.53	<0.05	0.1	0.056	0.07	3.9	6.2	10.70	2480	0.36	<0.01	0.7	<0.2	80
I076391		2.49	1.43	<0.05	0.1	0.056	0.05	4.4	5.2	10.40	2570	0.38	<0.01	0.6	<0.2	50
I076392		3.39	4.83	0.24	0.6	0.006	0.56	6.2	10.3	11.30	1810	0.56	<0.01	4.9	12.4	120
I076393		7.26	28.7	0.21	1.2	0.067	4.70	40.3	58.0	1.88	385	1.37	0.06	41.7	204	2590
I076394		4.79	33.8	0.29	1.1	0.086	5.29	91.5	79.1	1.86	358	1.57	0.09	62.6	205	2470
I076395		11.25	1.70	0.13	0.1	0.136	0.05	6.2	3.6	8.92	4910	2.61	<0.01	1.4	2.7	160
I076396		8.74	33.9	0.31	0.8	0.090	5.72	65.3	87.6	1.49	430	1.55	0.21	66.8	210	3040
I076397		9.90	31.8	0.28	0.6	0.092	5.38	58.1	91.7	1.75	583	0.72	0.14	49.4	221	3600
I076398		5.22	32.9	0.30	0.7	0.061	5.09	51.3	64.1	1.63	221	0.69	0.12	28.9	271	3160
I076399		5.59	32.8	0.29	1.4	0.062	5.37	58.1	65.3	2.53	403	0.60	0.12	46.7	149.5	3670
I076400		3.95	37.3	0.37	2.0	0.090	5.75	88.2	80.6	1.44	245	1.28	0.10	98.8	92.6	2950
I076401		5.48	33.9	0.34	1.2	0.074	4.71	70.5	73.8	1.05	122	0.76	0.07	48.7	59.1	1830
I076402		0.49	0.46	0.13	<0.1	<0.005	0.02	0.7	1.8	12.75	215	0.25	<0.01	0.4	<0.2	200
I076403		13.10	7.63	0.18	0.7	0.038	0.54	4.6	10.8	6.59	2350	0.15	0.02	3.8	21.8	720
I076404		4.52	5.54	0.11	0.7	0.039	0.68	6.3	8.4	10.65	1150	0.15	0.04	5.9	8.9	610
I076405		9.06	3.44	0.11	0.3	0.036	0.31	3.6	6.7	7.93	1500	0.17	<0.01	1.6	3.1	200
I076406		4.22	7.96	0.07	0.8	0.020	1.04	14.1	14.9	10.25	876	0.21	0.01	8.5	11.1	470
I076407		6.22	5.21	0.40	0.7	0.014	0.74	17.8	9.5	9.86	872	0.17	<0.01	6.0	11.2	400
I076408		6.22	1.45	0.20	0.2	0.025	0.14	4.8	3.0	9.99	1120	0.08	<0.01	1.5	5.0	190

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 3-AUG-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10102740

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I076373		3.5	6.6	<0.002	5.61	1.96	0.5	3	0.3	78.5	<0.05	0.10	0.3	0.006	0.06	0.1
I076374		3.9	4.3	<0.002	>10.0	4.34	0.5	3	0.2	83.4	<0.05	0.30	0.3	0.007	0.07	<0.1
I076375		3.4	8.5	<0.002	9.59	2.69	0.6	3	0.2	66.3	<0.05	0.10	0.3	0.008	0.08	0.1
I076376		1.2	7.3	<0.002	9.94	0.55	0.6	2	<0.2	54.0	<0.05	0.05	0.3	0.006	0.07	0.1
I076377		6.4	237	<0.002	7.85	0.29	11.6	3	7.9	107.0	1.50	0.30	3.1	0.727	1.73	0.3
I076378		103.5	13.4	0.011	>10.0	5.69	1.7	5	4.3	77.1	0.06	0.05	0.7	0.012	0.37	0.1
I076379		5.2	297	0.002	0.56	0.32	21.3	4	7.8	117.5	3.52	0.05	5.9	1.765	2.43	0.8
I076380		2.2	212	0.002	0.08	0.13	12.0	3	4.9	102.5	2.54	<0.05	4.5	1.415	2.05	0.7
I076381		1.3	1.4	<0.002	<0.01	<0.05	0.3	2	<0.2	42.8	<0.05	<0.05	0.3	0.010	<0.02	0.4
I076382		11.5	9.7	0.002	<0.01	0.39	0.6	2	1.3	63.0	<0.05	<0.05	0.6	0.014	0.20	0.2
I076383		324	21.8	0.003	0.04	13.45	1.6	3	18.8	43.0	<0.05	0.11	0.8	0.014	0.73	2.0
I076384		401	27.8	0.002	0.02	33.5	1.9	3	17.5	39.6	<0.05	0.12	1.0	0.021	0.95	4.4
I076385		18.3	21.5	<0.002	0.01	0.44	1.2	2	1.3	55.5	0.06	<0.05	0.9	0.026	0.23	0.3
I076386		2.7	29.9	0.002	1.74	1.08	4.5	3	2.5	68.6	0.26	<0.05	1.1	0.121	0.60	0.6
I076387		3.5	21.3	<0.002	1.64	3.86	3.1	3	6.2	119.0	0.23	0.10	1.1	0.083	0.34	0.9
I076388		4.5	58.9	0.003	1.78	1.39	2.4	3	2.3	95.9	0.24	0.06	1.4	0.067	0.43	1.0
I076389		3.5	81.7	<0.002	3.08	0.46	2.9	3	0.9	98.0	0.11	0.11	0.6	0.042	0.43	0.4
I076390		3.6	24.7	<0.002	1.04	0.25	4.0	3	0.4	107.5	<0.05	0.05	0.3	0.012	0.11	<0.1
I076391		3.6	17.9	<0.002	1.11	0.22	4.4	3	0.4	101.5	<0.05	<0.05	0.4	0.011	0.08	0.1
I076392		4.0	86.3	<0.002	3.18	6.68	2.8	4	3.1	74.7	0.23	0.76	1.2	0.073	0.58	0.7
I076393		1.5	181.0	<0.002	7.77	0.65	27.6	2	5.3	63.4	2.46	0.06	6.6	0.687	1.35	0.6
I076394		1.2	207	<0.002	2.13	0.51	24.9	3	6.1	67.7	3.66	0.09	10.5	0.837	1.50	0.5
I076395		110.0	6.6	0.002	9.73	3.73	0.7	3	3.9	126.0	<0.05	0.15	1.1	0.011	0.09	0.4
I076396		1.9	170.0	0.005	0.18	0.98	23.5	3	3.3	69.6	4.16	<0.05	11.2	1.200	1.41	0.6
I076397		1.4	298	0.002	0.24	0.77	32.4	3	6.7	120.5	3.04	<0.05	9.1	1.200	1.90	0.5
I076398		2.1	263	<0.002	3.04	0.83	29.5	3	17.4	78.2	1.73	0.10	8.2	0.570	1.46	0.9
I076399		1.5	384	<0.002	3.01	0.50	22.7	3	13.2	89.1	2.49	0.10	9.9	0.667	2.22	1.5
I076400		1.2	206	0.002	2.09	0.34	16.0	3	8.7	77.1	5.62	0.07	15.5	0.689	1.42	0.9
I076401		2.3	169.0	<0.002	5.29	0.60	15.5	3	6.0	47.3	2.82	0.05	13.1	0.475	0.99	0.6
I076402		1.2	2.0	<0.002	<0.01	<0.05	0.4	3	<0.2	51.3	<0.05	<0.05	0.3	0.005	<0.02	0.7
I076403		3.2	125.0	<0.002	>10.0	4.83	3.6	3	1.7	82.7	0.21	0.36	1.5	0.106	0.57	1.0
I076404		3.2	119.0	<0.002	4.82	0.39	2.5	3	1.2	75.5	0.35	0.08	1.3	0.106	0.58	0.9
I076405		3.3	55.7	<0.002	>10.0	0.95	2.4	5	0.5	88.0	0.09	0.11	0.7	0.029	0.31	0.5
I076406		2.3	222	<0.002	3.19	0.58	2.6	4	1.9	71.2	0.46	0.07	2.1	0.112	1.02	1.1
I076407		7.8	95.4	<0.002	7.33	13.30	1.6	7	2.6	47.6	0.33	0.44	1.8	0.079	0.68	1.1
I076408		6.3	13.3	<0.002	6.74	8.40	2.0	4	2.1	61.2	0.08	0.39	0.3	0.021	0.13	0.3

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1016-510 W HASTINGS ST
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Project: RAU

Finalized Date: 3-AUG-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10102740

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	As-OG62
	Analyte	V	W	Y	Zn	Zr	As
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
I076373		24	47.9	7.3	14	6.9	
I076374		16	61.7	6.1	14	5.3	
I076375		21	35.2	6.5	10	7.7	
I076376		31	0.6	5.4	6	10.2	
I076377		123	1.8	14.6	29	12.3	
I076378		11	2120	6.5	384	3.1	
I076379		194	2.9	20.9	60	35.6	
I076380		151	3.2	18.6	46	29.0	
I076381		4	0.3	0.8	17	<0.5	
I076382		11	1.5	2.4	176	3.8	
I076383		16	46.6	8.7	5160	9.2	
I076384		17	116.0	10.7	6800	10.5	
I076385		11	1.1	3.8	246	7.0	
I076386		21	5.6	7.5	24	19.9	
I076387		19	37.2	13.3	17	22.7	
I076388		15	360	14.6	16	27.2	
I076389		15	205	15.8	22	15.8	
I076390		11	2.5	15.6	22	3.1	
I076391		10	0.8	15.5	22	3.3	
I076392		15	4.5	10.2	14	21.3	
I076393		229	4.3	21.4	23	54.4	
I076394		213	2.3	30.9	40	57.6	
I076395		9	146.5	8.1	486	4.6	
I076396		204	1.0	29.5	49	36.5	
I076397		110	1.5	28.3	58	30.2	
I076398		97	9.3	19.3	13	30.2	
I076399		152	5.4	23.5	19	62.2	
I076400		128	4.2	32.8	21	90.8	
I076401		105	6.1	26.1	19	50.7	
I076402		5	0.1	1.1	17	0.5	
I076403		30	177.5	12.2	14	27.1	1.190
I076404		24	17.6	7.7	16	25.5	
I076405		14	1.6	8.0	15	13.6	
I076406		25	2.5	8.7	13	39.7	
I076407		18	1.8	5.8	10	28.2	
I076408		11	7.0	5.4	11	6.3	

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 3-AUG-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10102740

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 3-AUG-2010
Account: RCM

CERTIFICATE VA10102741

Project: RAU

P.O. No.: BATCH 55

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 27-JUL-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LOG-23	Pulp Login - Rcvd with Barcode
CRU-31	Fine crushing - 70% <2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
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Project: RAU

Finalized Date: 3-AUG-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10102741

Sample Description	Method	WEI-21	Au-AA26	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
I076445		8.02	0.01	0.27	4.74	14	210	1.72	4.30	11.35	0.02	82.0	16.8	36	8.69	50.4
I076446		5.74	0.05	0.10	1.25	17	180	0.50	2.35	18.65	0.02	20.2	4.7	20	3.97	6.4
I076447		5.32	0.01	0.16	0.44	16	60	0.19	2.72	19.80	0.68	6.48	2.7	10	0.36	4.9
I076448		5.52	0.01	0.12	0.15	13	80	0.12	1.21	20.1	0.59	6.35	1.8	3	0.27	3.0
I076449		6.56	<0.01	0.02	0.29	9	390	0.25	1.03	19.90	0.07	6.88	1.6	8	0.55	3.6
I076450		6.62	0.02	0.08	0.11	199	120	0.13	24.9	17.85	0.02	7.82	1.8	4	0.19	3.0
I076451		7.78	0.11	0.05	0.09	186	30	0.10	13.40	17.95	0.02	7.42	1.6	1	0.24	2.3
I076452		0.28	2.76	0.80	0.16	1810	20	0.06	108.0	15.30	1.71	13.20	1.9	11	1.22	35.2
I076453		3.32	0.01	0.02	0.07	11	20	0.13	1.14	20.5	<0.02	7.15	0.9	3	0.09	1.8
I076454		7.36	<0.01	0.03	0.16	20	30	0.21	0.94	20.4	0.02	6.44	0.8	2	0.98	1.5
I076455		7.20	0.01	0.13	1.09	10	240	0.54	26.5	17.60	0.02	9.76	3.3	31	11.70	9.3
I076456		5.22	<0.01	0.02	0.05	<5	10	0.05	0.29	19.75	0.06	1.37	1.2	<1	0.16	5.0
I076457		5.72	<0.01	0.11	5.81	6	2090	1.34	0.36	15.15	0.30	93.9	41.5	37	14.90	24.4
I076458		4.92	0.01	0.55	5.38	37.9	1000	1.61	0.80	8.20	0.99	65.8	42.6	47	9.55	68.1
I076459		5.26	<0.01	0.79	0.83	35	620	0.57	0.40	18.05	18.80	15.05	5.9	26	2.19	66.1
I076460		6.84	<0.01	0.10	7.03	1.5	390	2.34	0.12	4.39	0.03	93.6	37.0	228	100.5	29.8
I076461		4.28	<0.01	0.02	1.45	<5	250	0.90	0.20	26.8	0.14	25.1	5.4	33	3.45	16.6
I076462		6.92	<0.01	0.43	0.86	13	120	0.27	32.5	13.30	0.02	8.47	3.5	29	7.07	39.1
I076463		6.64	0.01	0.28	0.45	17	70	0.15	33.3	17.10	0.03	7.54	5.3	20	3.55	25.6
I076464		6.36	<0.01	0.13	8.04	3.6	320	3.23	1.50	3.07	0.08	82.4	18.5	157	17.35	81.9
I076465		7.80	<0.01	0.40	6.72	2.5	70	2.14	2.84	2.57	0.32	62.6	38.2	184	15.00	219
I076466		6.14	<0.01	0.39	7.21	9.5	70	1.61	2.81	2.43	0.16	89.7	67.5	145	11.90	231
I076467		6.08	<0.01	0.38	6.66	58.4	150	1.70	11.45	7.21	0.05	92.6	40.8	86	8.36	178.0
I076468		2.58	0.01	0.44	5.26	68.7	150	1.26	7.93	8.12	0.07	76.7	51.8	62	7.62	174.5
I076469		8.32	<0.01	0.03	0.34	21	120	0.36	1.98	17.25	0.04	22.1	3.5	6	0.91	6.4
I076470		4.62	<0.01	0.11	0.13	6	20	0.19	0.42	14.50	0.78	14.90	0.7	6	0.12	3.0
I076471		5.02	0.01	0.31	0.06	32	190	0.18	1.13	18.75	2.08	68.3	0.9	2	0.11	1.9
I076472		4.14	<0.01	0.01	0.08	6	20	0.10	0.08	20.7	0.06	1.55	1.0	1	0.26	2.5
I076473		5.50	0.05	0.48	0.06	112	20	0.15	5.24	18.20	4.10	64.3	1.2	1	0.11	2.2
I076474		5.50	0.21	0.17	0.08	65	20	0.16	5.65	19.55	0.90	43.7	1.2	1	0.23	1.7
I076475		5.46	<0.01	0.04	0.03	<5	5970	0.15	0.39	20.3	0.43	1.81	0.6	1	0.11	1.1
I076476		5.98	0.02	0.07	0.07	20	30	0.18	0.72	20.2	0.57	6.19	0.8	1	0.09	1.3
I076477		4.18	0.45	0.44	0.08	196	40	0.13	4.53	17.45	0.87	18.30	1.7	1	0.18	3.0
I076478		0.28	0.46	1.75	0.15	6520	50	0.05	72.4	16.15	2.42	15.25	1.5	7	0.38	19.2
I076479		4.58	0.04	0.91	0.63	40	50	0.25	7.03	17.15	2.48	6.81	3.5	15	0.30	6.8
I076480		5.34	<0.01	0.08	0.05	9	20	0.18	0.67	19.75	0.27	3.30	0.9	3	0.09	1.2

***** See Appendix Page for comments regarding this certificate *****

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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 3-AUG-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10102741

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I076445		5.94	13.70	0.18	1.5	0.022	2.41	46.4	22.5	7.60	384	1.22	0.14	40.2	30.9	1730
I076446		1.97	3.28	0.10	0.7	0.010	0.68	11.5	9.3	10.85	550	0.73	0.01	8.6	6.3	170
I076447		0.83	2.11	0.09	0.2	0.006	0.05	4.1	1.8	12.05	677	2.26	0.02	1.0	5.7	20
I076448		0.97	0.84	0.10	0.1	0.011	0.01	3.6	1.9	12.05	1020	2.03	0.01	0.4	2.3	20
I076449		0.45	1.12	0.13	0.1	0.009	0.11	3.9	3.5	11.90	496	0.37	<0.01	0.5	0.9	10
I076450		5.19	0.71	0.14	0.1	0.017	0.01	4.3	1.5	10.70	793	0.72	<0.01	0.3	5.7	10
I076451		4.24	0.39	0.11	<0.1	0.009	0.02	4.5	1.4	10.65	688	0.59	<0.01	0.2	5.2	10
I076452		10.60	1.36	0.25	0.1	0.056	0.08	6.6	2.1	8.84	1800	5.07	<0.01	0.8	9.8	90
I076453		0.92	0.47	0.06	0.1	0.009	0.01	4.2	1.5	12.10	1060	1.56	<0.01	0.2	<0.2	<10
I076454		0.74	0.94	0.10	<0.1	0.011	0.05	3.8	2.1	12.35	1030	0.68	<0.01	0.2	<0.2	10
I076455		2.88	5.02	0.11	0.6	0.017	0.81	5.6	10.6	10.15	1220	0.63	0.03	4.9	11.9	40
I076456		0.42	0.25	0.13	<0.1	<0.005	0.02	0.7	0.8	12.05	184	0.09	<0.01	0.2	0.2	190
I076457		3.42	17.15	0.18	0.7	0.049	2.69	47.0	18.3	2.00	687	0.11	0.20	28.5	93.6	1810
I076458		7.99	16.95	0.25	0.9	0.045	2.20	31.3	10.0	3.75	476	26.1	0.05	17.2	118.0	2100
I076459		1.29	4.84	0.11	0.6	0.060	0.41	10.0	1.9	10.70	498	83.2	0.01	2.6	148.0	950
I076460		6.17	22.6	0.24	4.5	0.038	4.91	50.2	47.4	7.05	764	0.67	0.16	41.2	202	2000
I076461		1.47	5.69	0.06	0.4	0.021	0.54	15.0	7.7	0.67	952	0.16	0.07	9.3	20.9	300
I076462		10.25	4.69	0.10	0.4	0.021	0.51	4.3	6.4	8.40	907	0.71	0.04	3.8	26.3	50
I076463		4.24	2.27	0.07	0.2	0.016	0.27	4.1	3.4	9.93	878	0.30	0.02	2.3	15.6	50
I076464		5.78	27.3	0.24	1.1	0.026	3.97	37.8	62.4	2.26	163	1.50	0.52	83.6	70.4	3670
I076465		13.25	20.4	0.27	0.9	0.022	4.50	27.0	49.7	2.70	154	1.64	0.31	54.9	96.4	2680
I076466		13.80	18.85	0.28	0.9	0.014	4.39	38.5	36.5	1.40	110	0.96	0.33	88.9	80.3	3650
I076467		12.05	18.05	0.25	2.2	0.013	3.05	44.3	26.5	3.57	234	1.98	0.20	58.9	114.5	2170
I076468		13.35	13.90	0.23	1.3	0.012	2.58	37.9	22.1	4.01	290	2.36	0.16	43.8	123.0	1510
I076469		0.79	1.47	0.08	0.2	0.005	0.18	7.4	4.5	10.35	455	5.47	0.01	1.1	15.6	1250
I076470		0.42	0.94	0.08	0.1	<0.005	0.01	10.1	3.5	8.80	440	1.33	0.02	0.6	2.4	60
I076471		1.00	0.81	0.13	<0.1	0.012	<0.01	45.2	3.4	11.00	691	7.72	0.02	0.2	3.6	40
I076472		0.44	0.41	0.14	<0.1	<0.005	0.03	0.8	1.2	12.55	195	0.87	0.01	0.4	2.4	210
I076473		2.73	0.73	0.12	<0.1	0.012	<0.01	41.4	3.9	11.00	712	3.65	0.02	0.2	5.4	100
I076474		1.79	0.82	0.09	<0.1	0.010	0.01	31.8	4.2	11.95	599	7.46	0.02	0.2	5.9	80
I076475		0.22	0.29	0.13	<0.1	<0.005	0.01	1.1	3.6	12.15	474	0.78	0.02	0.2	1.8	20
I076476		0.72	0.58	0.16	<0.1	<0.005	0.01	3.9	3.5	12.45	345	2.10	0.02	0.3	3.1	20
I076477		3.57	0.60	0.09	<0.1	0.008	0.01	12.0	3.9	10.45	554	0.84	0.01	0.3	13.1	80
I076478		10.60	1.36	0.12	0.1	0.126	0.05	6.7	2.1	8.90	4590	2.22	0.02	1.3	7.3	140
I076479		1.84	2.91	0.05	0.5	0.009	0.07	3.2	2.8	10.50	567	10.60	0.05	3.4	29.5	1940
I076480		0.36	0.44	0.10	<0.1	0.007	0.01	1.8	1.9	12.05	481	2.96	0.01	0.3	3.4	70

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 3-AUG-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10102741

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I076445		1.9	110.5	<0.002	3.76	0.38	7.9	3	2.5	74.6	2.52	0.05	6.5	0.460	0.62	1.2
I076446		1.6	27.0	<0.002	1.78	1.00	2.9	3	0.5	95.3	0.51	<0.05	1.8	0.132	0.23	0.6
I076447		34.7	4.1	<0.002	0.74	0.54	1.5	3	0.7	57.0	0.06	<0.05	0.5	0.029	0.07	0.8
I076448		25.9	0.9	<0.002	0.55	0.55	1.0	2	0.3	66.8	<0.05	<0.05	0.4	0.009	0.04	0.5
I076449		2.2	6.0	<0.002	0.29	0.17	0.8	2	0.3	53.2	<0.05	<0.05	0.4	0.012	0.04	0.5
I076450		5.6	0.9	<0.002	5.97	2.51	1.0	5	0.4	51.7	<0.05	0.09	0.2	0.006	0.09	0.6
I076451		1.9	1.3	<0.002	4.95	1.10	0.6	3	0.2	55.2	<0.05	0.06	0.2	<0.005	0.08	0.8
I076452		114.5	10.8	0.024	>10.0	5.38	2.1	5	3.9	77.2	<0.05	0.13	0.5	0.009	0.45	0.2
I076453		1.0	0.4	<0.002	0.47	0.18	1.1	3	0.2	63.1	<0.05	<0.05	<0.2	0.005	0.02	0.5
I076454		1.8	8.5	<0.002	0.26	0.13	1.1	2	0.2	60.3	<0.05	<0.05	<0.2	<0.005	0.05	0.6
I076455		1.5	87.9	<0.002	1.53	0.40	4.2	3	1.2	78.3	0.29	0.18	1.0	0.117	0.61	0.9
I076456		1.3	1.1	<0.002	0.01	<0.05	0.2	2	<0.2	39.0	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
I076457		11.6	71.0	<0.002	1.74	0.36	13.3	2	3.5	93.4	1.84	<0.05	4.0	0.902	0.88	0.4
I076458		19.1	70.6	0.078	8.58	6.32	12.3	7	1.6	44.4	1.16	0.15	4.0	0.519	1.56	8.5
I076459		45.6	20.3	0.488	1.52	10.15	2.3	9	1.2	74.6	0.19	0.13	1.5	0.045	0.81	17.7
I076460		1.7	740	<0.002	0.11	0.14	21.4	2	14.4	88.5	2.68	<0.05	8.8	0.770	7.01	2.2
I076461		4.5	25.6	<0.002	0.13	0.10	3.9	2	0.4	597	0.51	0.05	1.5	0.230	0.18	0.3
I076462		1.6	64.7	<0.002	7.05	0.40	2.2	6	1.6	67.7	0.19	0.26	0.7	0.095	0.42	1.0
I076463		2.8	40.5	0.002	3.00	0.42	1.7	3	0.9	76.4	0.11	0.16	0.3	0.052	0.20	0.4
I076464		21.7	155.0	<0.002	3.24	0.33	17.6	3	11.8	149.5	4.82	0.11	7.5	1.070	1.80	1.6
I076465		11.6	198.5	0.003	7.18	0.38	19.2	4	15.1	124.0	3.06	0.29	4.7	1.005	1.42	1.9
I076466		11.2	188.0	<0.002	8.10	0.54	12.3	4	10.8	140.5	4.75	0.32	8.9	0.774	1.52	2.0
I076467		6.1	123.5	0.004	8.96	1.08	13.6	2	10.5	92.5	3.25	0.18	6.0	1.070	1.04	1.5
I076468		5.7	102.5	0.004	>10.0	1.10	11.5	2	7.1	78.0	2.64	0.14	5.1	0.775	0.92	1.3
I076469		2.6	9.2	0.017	0.82	0.69	0.9	2	0.3	68.7	0.05	0.10	0.9	0.018	0.16	7.9
I076470		26.9	1.0	0.003	0.28	0.33	0.5	2	0.2	51.4	<0.05	<0.05	<0.2	0.013	0.02	2.1
I076471		98.6	0.4	0.014	0.98	0.30	0.5	2	<0.2	71.4	<0.05	0.07	0.2	<0.005	0.04	1.9
I076472		1.5	1.8	<0.002	0.01	<0.05	0.4	2	<0.2	46.8	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
I076473		65.7	0.4	0.004	3.31	0.46	0.4	2	<0.2	62.9	<0.05	0.05	0.2	<0.005	0.04	3.3
I076474		45.3	0.7	0.013	2.14	0.52	0.3	2	<0.2	64.6	<0.05	0.06	0.2	<0.005	0.06	5.2
I076475		17.2	0.7	<0.002	0.27	0.18	0.3	2	<0.2	99.8	<0.05	<0.05	<0.2	<0.005	0.02	1.8
I076476		21.0	0.5	0.002	0.79	0.16	0.3	2	<0.2	76.1	<0.05	<0.05	<0.2	<0.005	0.02	3.0
I076477		53.0	1.2	0.002	4.43	0.46	0.4	1	<0.2	58.8	<0.05	0.08	0.3	<0.005	0.04	7.5
I076478		109.5	5.2	<0.002	9.11	3.56	0.5	2	3.5	118.5	<0.05	0.13	0.7	0.010	0.06	0.6
I076479		100.0	7.9	0.028	2.05	1.32	1.1	3	0.8	69.9	0.17	0.09	1.2	0.076	0.22	18.3
I076480		12.0	0.9	0.006	0.18	0.18	0.4	2	<0.2	73.9	<0.05	<0.05	<0.2	<0.005	0.02	2.8

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To: **ATAC RESOURCES LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 3-AUG-2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10102741

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
I076445		57	3.4	14.1	13	62.9
I076446		22	0.9	7.7	13	27.2
I076447		11	2.3	3.8	197	9.3
I076448		8	5.1	4.6	175	4.4
I076449		7	0.8	3.1	9	4.5
I076450		12	1.5	4.1	6	2.2
I076451		9	1.0	3.9	7	1.2
I076452		11	2110	5.8	380	3.6
I076453		8	3.0	4.8	5	2.0
I076454		12	1.7	4.4	7	1.4
I076455		23	3.0	4.7	13	22.1
I076456		4	0.6	0.7	15	<0.5
I076457		141	1.2	15.7	81	26.9
I076458		381	1.8	15.3	230	34.4
I076459		578	0.6	13.8	3420	24.7
I076460		178	1.8	19.6	94	170.5
I076461		29	0.7	9.8	16	13.0
I076462		21	2.2	4.5	12	17.1
I076463		17	1.1	5.9	10	9.6
I076464		168	9.6	24.1	33	40.8
I076465		191	84.4	24.7	62	30.2
I076466		93	7.5	27.2	31	35.0
I076467		138	2.7	23.5	12	80.6
I076468		107	1.8	19.5	12	46.2
I076469		46	0.7	6.4	6	7.4
I076470		14	0.8	1.3	231	2.7
I076471		10	4.5	1.9	454	1.0
I076472		1	0.1	1.0	15	<0.5
I076473		8	2.0	2.1	1020	0.9
I076474		9	6.0	2.2	255	1.1
I076475		5	0.9	0.8	122	0.6
I076476		11	0.9	1.4	143	1.3
I076477		16	0.9	1.7	208	1.9
I076478		6	123.5	6.7	454	3.9
I076479		68	8.3	4.3	646	19.7
I076480		9	2.1	1.7	97	1.6

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To: **ATAC RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 3-AUG-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10102741

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 5-AUG-2010
Account: RCM

CERTIFICATE VA10102742

Project: RAU

P.O. No.: BATCH 54

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 27-JUL-2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LOG-23	Pulp Login - Rcvd with Barcode
CRU-31	Fine crushing - 70% <2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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1016-510 W HASTINGS ST
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Project: RAU

Finalized Date: 5-AUG-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10102742

Sample Description	Method	WEI-21	Au-AA26	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
I076409		2.52	0.04	0.06	0.11	234	20	0.12	3.77	19.90	0.60	54.6	0.9	1	0.88	10.5
I076410		1.58	1.42	0.07	0.12	>10000	20	<0.05	36.1	15.90	<0.02	5.87	1.1	3	1.00	8.4
I076411		5.24	0.01	0.03	0.39	284	20	0.18	4.50	19.15	0.04	13.10	0.8	3	3.40	5.5
I076412		4.32	1.16	0.12	0.22	2080	10	<0.05	3300	7.43	<0.02	170.5	13.1	3	0.62	6.6
I076413		4.10	1.02	0.15	0.19	>10000	10	<0.05	1885	11.25	<0.02	49.0	1.7	2	2.18	9.2
I076414		4.48	<0.01	0.01	0.06	12	20	0.05	3.30	21.1	0.06	1.43	1.0	<1	0.17	3.4
I076415		4.18	0.60	0.05	0.10	4280	10	<0.05	3650	10.45	0.05	233	0.9	3	1.19	6.1
I076416		3.82	0.18	0.07	0.11	5520	10	<0.05	209	13.40	0.04	66.6	1.1	2	0.96	4.6
I076417		4.22	0.22	0.06	0.09	5380	10	<0.05	754	13.50	0.05	94.8	1.0	2	1.05	4.3
I076418		4.10	0.12	0.06	0.11	1080	10	<0.05	177.0	14.90	0.06	34.5	1.0	2	1.07	3.8
I076419		0.30	1.70	0.28	0.23	>10000	30	0.09	247	13.20	0.23	16.80	2.4	9	1.21	26.4
I076420		4.28	0.12	0.20	0.21	1960	30	<0.05	7660	14.05	0.12	12.85	0.9	2	2.34	9.8
I076421		2.22	0.76	0.08	0.04	>10000	10	<0.05	275	12.45	0.05	9.43	0.5	1	0.44	3.5
I076422		4.34	0.36	0.16	0.05	2680	<10	<0.05	490	9.96	0.05	20.6	2.7	1	0.46	3.6
I076423		4.12	0.40	0.11	0.05	2760	10	<0.05	415	12.95	0.05	>500	1.0	1	0.63	4.2
I076424		3.88	<0.01	0.01	0.07	9	20	0.08	3.22	20.3	0.07	1.95	1.0	1	0.21	2.4
I076425		5.92	0.14	0.11	0.12	2350	10	<0.05	319	14.80	0.05	17.70	1.0	1	1.17	7.1
I076426		5.56	0.03	0.07	0.05	596	10	<0.05	343	16.20	0.05	23.7	0.9	1	0.57	6.9
I076427		6.06	0.33	0.11	0.06	1190	<10	<0.05	465	13.75	0.11	31.4	1.0	1	0.50	4.7
I076428		6.68	2.33	0.09	0.12	>10000	10	0.07	382	11.70	0.62	17.10	0.9	3	0.63	4.9
I076429		7.08	2.26	0.09	0.04	>10000	10	<0.05	343	10.10	0.09	17.90	1.0	2	0.32	4.4
I076430		0.28	2.45	0.70	0.16	1810	20	<0.05	87.8	14.20	1.64	10.15	1.8	13	0.94	29.7
I076431		3.58	2.57	0.36	0.40	>10000	70	0.10	266	11.90	<0.02	84.1	13.4	2	0.82	5.9
I076432		4.88	0.01	0.12	4.84	59	640	1.82	1.90	16.10	0.20	78.8	32.6	35	8.00	32.8
I076433		5.62	<0.01	0.16	5.97	36	830	1.59	0.57	17.70	0.23	100.5	50.5	38	6.68	24.4
I076434		6.44	<0.01	0.17	5.01	6	780	1.01	0.55	18.20	0.06	78.9	39.8	33	19.60	4.9
I076435		6.52	0.04	0.23	6.73	6	820	1.72	1.46	12.10	0.02	111.5	43.6	42	40.3	6.3
I076436		3.68	<0.01	0.10	2.34	8	350	0.55	0.30	24.4	0.38	34.6	17.0	88	1.31	41.6
I076437		5.38	<0.01	0.13	11.15	4.8	1250	2.53	0.48	0.92	0.04	88.8	51.3	567	5.17	120.5
I076438		9.18	<0.01	0.07	7.22	<5	220	1.14	0.22	11.50	0.10	55.5	70.1	216	3.06	64.9
I076439		4.22	<0.01	1.80	5.58	2.2	180	1.65	15.35	8.29	<0.02	80.0	41.8	36	45.9	77.4
I076440		7.00	<0.01	0.11	0.98	<5	80	0.20	1.25	19.65	0.14	12.95	5.9	19	7.62	12.0
I076441		7.30	<0.01	0.12	3.28	30	210	0.81	2.30	14.85	<0.02	53.1	10.1	42	21.8	9.5
I076442		7.74	0.01	0.18	6.54	16.6	190	1.65	1.09	9.69	0.04	82.7	14.0	81	14.65	53.6
I076443		8.68	<0.01	0.32	8.22	26.7	160	2.05	2.92	4.95	0.05	98.8	33.2	93	15.50	81.0
I076444		3.82	<0.01	0.38	8.05	15.6	230	1.79	5.00	5.84	0.03	98.3	33.8	99	14.60	114.0

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 5-AUG-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10102742

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I076409		3.05	1.08	0.12	0.1	0.031	0.05	38.0	3.4	11.35	1580	0.36	0.02	0.5	3.4	120
I076410		9.89	1.63	0.39	<0.1	0.046	0.07	3.3	2.3	9.33	1140	0.40	0.01	0.5	4.4	70
I076411		4.72	2.38	0.08	0.2	0.026	0.25	7.8	3.9	11.15	1270	0.07	0.02	2.1	4.2	140
I076412		25.3	2.93	0.58	0.1	<0.005	0.04	116.0	1.4	4.99	641	0.09	0.02	0.8	19.5	170
I076413		17.75	2.34	0.43	0.1	0.024	0.13	32.7	2.0	6.74	1540	0.07	0.01	0.8	6.0	140
I076414		0.54	0.27	0.07	<0.1	<0.005	0.02	0.7	0.9	12.80	235	0.08	<0.01	0.3	2.3	170
I076415		20.7	2.75	0.67	<0.1	0.009	0.07	157.5	1.6	5.53	1240	<0.05	0.01	0.6	4.4	160
I076416		12.15	1.31	0.16	0.1	0.033	0.05	42.2	1.8	7.31	1660	0.12	0.01	0.6	5.0	120
I076417		13.85	1.90	0.46	<0.1	0.036	0.07	63.1	1.9	7.56	2010	0.06	0.01	0.5	4.6	150
I076418		11.60	1.17	0.13	0.1	0.037	0.07	21.7	1.9	8.39	2090	0.11	0.01	0.9	4.3	100
I076419		15.00	1.74	0.16	0.2	0.089	0.09	8.3	2.2	7.09	3100	4.82	0.01	1.7	10.7	180
I076420		11.55	2.54	0.37	0.1	0.026	0.17	7.3	2.8	7.86	1800	0.12	0.01	0.8	5.1	80
I076421		15.20	0.51	0.14	<0.1	0.053	0.02	4.8	1.7	7.24	2230	0.06	0.01	0.4	1.3	70
I076422		15.85	0.67	0.17	<0.1	0.032	0.02	12.6	1.3	5.37	1360	0.10	0.01	0.4	4.1	100
I076423		13.65	4.27	0.62	0.1	0.060	0.02	395	1.8	7.46	1850	0.06	0.01	0.5	3.4	380
I076424		0.51	0.36	0.08	<0.1	<0.005	0.03	1.1	1.0	12.35	201	0.12	0.01	0.3	2.3	220
I076425		13.20	1.14	0.29	0.1	0.034	0.08	9.6	1.7	8.41	2130	0.22	0.01	0.4	2.2	120
I076426		9.93	0.59	0.21	<0.1	0.030	0.03	14.0	2.2	9.01	1740	0.17	0.01	0.3	0.5	60
I076427		12.30	0.66	0.26	0.1	0.036	0.02	19.3	1.7	7.32	1680	0.12	0.01	0.5	2.6	80
I076428		16.35	0.78	0.30	0.1	0.093	0.04	9.7	2.3	6.34	1620	0.16	0.01	2.3	0.8	100
I076429		22.2	0.45	0.43	<0.1	0.108	0.02	10.2	1.7	5.46	1480	0.13	0.01	0.7	1.5	70
I076430		10.55	1.12	0.30	0.1	0.063	0.08	5.2	2.0	8.18	1710	4.04	0.01	0.9	8.9	80
I076431		16.70	2.13	0.47	0.3	0.111	0.19	50.7	2.9	5.89	1520	0.56	0.02	2.5	23.2	180
I076432		5.86	16.65	0.15	1.1	0.069	2.03	39.5	16.0	1.21	766	0.35	0.05	26.2	66.9	1600
I076433		5.79	18.35	0.18	2.0	0.077	2.58	48.4	14.3	1.63	835	0.17	0.14	47.9	87.5	2360
I076434		6.55	15.10	0.16	1.4	0.051	2.23	38.5	56.0	1.56	1400	0.16	0.18	42.6	81.7	2970
I076435		7.68	21.8	0.21	2.0	0.050	3.30	54.4	77.3	2.20	1340	0.13	0.44	58.4	89.8	1810
I076436		4.59	7.18	0.13	0.6	0.025	0.99	16.1	6.9	0.67	986	1.15	0.04	16.0	31.0	1030
I076437		12.95	32.3	0.40	0.4	0.124	4.63	44.8	38.5	1.86	851	2.47	0.15	53.3	310	1590
I076438		7.60	18.60	0.23	0.9	0.062	0.83	28.5	31.8	3.32	1820	1.16	1.41	32.5	243	1330
I076439		9.81	19.15	0.28	1.1	0.020	4.76	36.7	52.8	6.39	336	0.52	0.09	28.2	74.5	3040
I076440		2.77	3.59	0.09	0.2	0.008	0.63	6.7	11.2	11.15	511	0.67	0.02	6.2	14.6	470
I076441		4.67	10.20	0.16	0.3	0.014	2.31	30.0	22.3	9.28	275	1.50	0.06	20.4	35.8	1020
I076442		5.66	18.05	0.20	0.8	0.013	3.40	46.0	28.3	5.99	211	0.93	0.37	60.8	37.3	1810
I076443		7.22	22.5	0.28	1.2	0.034	5.04	51.4	38.5	3.30	177	1.17	0.35	72.9	70.0	2800
I076444		8.68	20.9	0.31	1.6	0.028	5.19	51.6	36.4	3.80	253	1.23	0.30	69.5	79.8	2680

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To: **ATAC RESOURCES LTD.**
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Project: RAU

Finalized Date: 5-AUG-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10102742

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I076409		10.5	7.4	<0.002	2.24	1.00	0.8	2	<0.2	87.3	<0.05	<0.05	0.4	0.008	0.06	0.8
I076410		3.1	11.6	<0.002	8.23	12.75	1.1	2	17.7	55.9	<0.05	0.38	<0.2	0.007	0.02	0.3
I076411		2.7	48.9	<0.002	3.95	1.02	0.9	3	0.3	72.5	0.10	0.06	0.3	0.026	0.22	0.4
I076412		14.5	8.0	<0.002	>10.0	34.8	1.4	9	17.8	38.7	<0.05	2.20	3.7	0.010	0.02	1.4
I076413		10.7	25.1	<0.002	>10.0	21.7	1.4	5	16.8	71.1	<0.05	1.58	0.4	0.014	0.21	1.2
I076414		1.4	1.2	<0.002	0.02	0.07	0.4	2	<0.2	43.5	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
I076415		12.5	10.1	<0.002	>10.0	30.5	1.3	9	19.1	69.0	<0.05	2.58	1.1	0.007	0.03	2.8
I076416		4.5	11.1	<0.002	>10.0	3.48	0.6	4	<0.2	85.0	<0.05	0.29	0.2	0.006	0.07	1.1
I076417		5.6	12.4	<0.002	>10.0	8.59	1.2	4	17.8	88.3	<0.05	0.47	0.3	0.007	<0.02	1.3
I076418		3.6	11.2	<0.002	>10.0	2.58	0.7	4	<0.2	96.0	<0.05	0.18	0.2	0.008	0.07	0.5
I076419		8.7	15.0	<0.002	>10.0	12.05	0.7	2	2.2	85.6	0.07	0.27	0.5	0.022	0.18	0.5
I076420		26.6	27.6	<0.002	>10.0	77.7	1.3	16	42.1	83.9	<0.05	5.18	<0.2	0.014	0.09	0.4
I076421		4.1	3.2	<0.002	>10.0	6.48	0.4	5	<0.2	84.1	<0.05	0.62	<0.2	<0.005	0.02	0.2
I076422		5.3	4.0	<0.002	>10.0	5.51	0.6	5	0.2	58.1	<0.05	0.49	0.3	<0.005	0.05	0.9
I076423		5.2	5.6	<0.002	>10.0	5.00	0.8	5	0.3	92.1	<0.05	0.45	1.2	0.006	0.05	8.6
I076424		1.4	1.7	<0.002	0.03	0.05	0.4	2	<0.2	47.6	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
I076425		3.7	10.5	0.027	>10.0	3.39	1.2	4	18.9	96.6	<0.05	0.33	0.2	0.007	0.31	0.4
I076426		3.2	4.2	0.003	9.36	4.44	0.6	3	0.2	84.8	<0.05	0.29	<0.2	<0.005	0.06	0.4
I076427		7.5	3.5	0.014	>10.0	6.26	0.7	4	0.2	74.6	<0.05	0.42	0.2	<0.005	0.14	0.6
I076428		9.9	5.0	0.005	>10.0	10.15	0.6	4	0.5	69.6	0.14	0.88	0.3	0.009	0.12	0.6
I076429		7.8	2.0	0.004	>10.0	13.50	0.5	8	0.2	63.9	<0.05	1.05	<0.2	<0.005	0.08	0.4
I076430		91.4	10.4	0.038	>10.0	4.79	1.5	4	19.8	69.1	0.07	<0.05	0.5	0.010	0.41	0.2
I076431		7.0	10.6	0.022	>10.0	10.95	1.7	4	43.3	76.8	0.14	0.75	0.6	0.065	0.39	1.2
I076432		7.9	92.6	<0.002	2.11	1.49	12.2	2	1.8	100.0	1.48	<0.05	3.4	0.984	0.94	0.7
I076433		7.6	68.7	<0.002	0.04	0.22	15.5	2	1.8	117.0	2.60	<0.05	4.5	1.545	0.28	0.9
I076434		2.1	130.5	<0.002	0.12	0.06	12.9	2	3.0	126.5	2.30	<0.05	3.6	1.305	1.53	0.7
I076435		1.9	215	<0.002	0.21	0.07	17.7	3	6.2	112.0	3.14	0.07	5.1	1.745	3.01	0.8
I076436		2.9	22.0	<0.002	0.23	0.28	6.4	1	0.6	223	0.92	<0.05	2.2	0.324	0.16	0.7
I076437		1.7	90.6	<0.002	0.22	0.14	46.2	1	3.1	45.6	3.44	<0.05	6.0	2.06	0.37	0.7
I076438		2.8	23.3	<0.002	<0.01	0.08	24.9	<1	1.4	213	2.11	<0.05	3.7	1.195	0.16	0.6
I076439		1.3	470	<0.002	5.24	0.22	12.6	2	10.4	37.7	1.69	0.38	3.9	0.922	2.94	1.3
I076440		2.4	59.6	<0.002	1.41	0.44	2.5	2	0.9	68.9	0.37	0.05	1.2	0.111	0.45	0.2
I076441		1.7	150.5	<0.002	4.26	0.49	6.1	1	1.1	67.1	1.32	<0.05	3.5	0.391	1.27	0.2
I076442		2.5	198.0	<0.002	3.88	0.38	10.6	1	5.8	109.5	3.87	0.08	8.7	0.661	1.05	0.8
I076443		3.4	247	<0.002	4.93	0.33	16.4	1	8.1	117.5	4.42	0.13	10.9	0.867	1.55	1.6
I076444		3.1	265	<0.002	5.65	0.33	15.6	1	7.7	103.5	4.05	0.14	9.3	0.931	1.38	1.4

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Project: RAU

CERTIFICATE OF ANALYSIS VA10102742

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	As-OG62
	Analyte	V	W	Y	Zn	Zr	As
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
I076409		6	21.8	6.4	73	2.4	
I076410		4	18.6	4.4	7	2.8	5.86
I076411		9	21.4	4.9	10	8.5	
I076412		9	307	5.7	7	4.0	
I076413		7	1270	7.0	13	5.2	1.610
I076414		2	1.5	0.9	15	<0.5	
I076415		6	92.5	6.9	17	2.9	
I076416		6	256	6.6	12	3.4	
I076417		6	9.7	6.6	13	2.7	
I076418		6	142.5	7.1	15	1.7	
I076419		7	56.2	7.7	60	6.6	2.64
I076420		9	55.9	6.7	26	5.7	
I076421		2	40.0	5.2	10	1.6	1.550
I076422		4	268	6.8	9	2.1	
I076423		6	193.5	10.8	11	2.6	
I076424		1	0.7	0.9	16	<0.5	
I076425		5	1530	7.6	16	3.5	
I076426		6	222	7.9	13	2.1	
I076427		5	850	8.4	24	2.8	
I076428		5	282	7.2	135	5.8	2.53
I076429		5	250	5.4	22	2.4	3.70
I076430		8	2050	5.6	357	4.5	
I076431		14	1320	8.0	23	10.4	3.03
I076432		124	19.8	16.0	72	44.6	
I076433		151	1.4	20.0	99	112.0	
I076434		127	0.6	18.5	38	66.7	
I076435		172	0.5	23.8	60	102.0	
I076436		60	0.8	15.6	29	28.3	
I076437		280	1.1	31.0	108	15.3	
I076438		221	1.0	21.6	102	31.3	
I076439		120	2.1	23.0	37	39.9	
I076440		23	0.6	10.9	41	7.7	
I076441		59	1.4	10.1	18	10.6	
I076442		96	2.8	23.0	16	31.8	
I076443		136	3.9	29.7	17	47.8	
I076444		139	3.8	28.9	17	59.9	

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 5-AUG-2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10102742

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 13- AUG- 2010
Account: RCM

CERTIFICATE VA10104814

Project: RAU

P.O. No.: BATCH 56

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 30- JUL- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- 31	Fine crushing - 70% < 2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
As- OG62	Ore Grade As - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 13- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10104814

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
I076481		1.98	0.01	0.11	6.77	176.0	490	1.25	0.07	3.12	0.06	72.7	41.7	274	19.90	48.0
I076482		2.74	0.01	0.09	6.60	146.0	920	1.36	0.06	4.91	0.06	74.9	43.4	264	30.9	58.8
I076483		1.04	0.01	0.14	6.66	222	2070	1.39	0.25	4.85	0.20	70.5	44.0	288	34.9	62.6
I076484		0.60	0.02	0.44	8.31	1185	3480	2.23	2.10	0.34	0.12	101.5	22.2	338	13.45	69.3
I076485		0.72	0.02	0.71	1.85	230	250	0.55	1.31	21.4	0.09	35.3	7.7	30	17.05	15.3
I076486		1.02	0.07	8.21	6.95	4020	3040	2.16	22.5	0.53	0.48	114.0	25.5	180	34.0	1450
I076487		0.26	0.36	6.78	5.39	2.6	70	1.31	1.13	1.34	0.02	20.5	7.9	32	22.4	15.1
I076488		0.62	0.02	1.57	8.12	2050	4370	2.95	15.45	0.84	0.23	99.3	23.0	141	25.2	827
I076489		1.14	0.02	0.65	9.05	2420	5070	2.42	8.68	0.97	0.47	106.5	21.7	96	14.85	59.6
I076490		0.56	0.02	0.95	0.64	8540	510	0.24	10.15	8.54	3.23	15.75	21.6	17	0.66	412
I076491		0.80	0.05	1.32	1.20	6060	1590	0.49	7.21	24.6	4.13	21.3	14.8	26	1.57	53.1
I076492		1.04	0.04	0.99	2.16	5090	780	0.83	6.85	13.50	3.02	44.6	26.9	45	4.05	33.1
I076493		5.36	0.02	0.01	0.08	19	20	<0.05	0.22	20.8	0.07	1.50	1.5	2	0.26	2.5
I076494		2.70	0.09	0.24	0.33	638	820	0.14	0.88	34.2	1.19	20.4	2.5	11	1.31	4.4
I076495		1.08	0.07	0.43	0.72	2280	840	0.18	4.10	31.8	1.99	22.4	6.1	18	4.28	13.0
I076496		1.10	0.02	0.82	3.38	2510	860	0.87	11.10	18.65	2.74	42.9	31.6	81	8.10	43.7
I076497		6.76	0.01	0.07	0.11	57	50	0.08	0.23	34.6	0.18	3.03	1.3	2	0.14	1.9
I076498		4.20	0.02	0.13	0.12	47	90	0.08	0.15	35.3	0.24	3.11	1.3	4	0.12	1.7
I076499		3.02	0.03	0.43	0.55	478	200	0.26	1.40	33.0	3.51	10.90	3.8	11	0.92	7.2
I076500		1.60	0.02	4.19	5.64	1305	2030	1.67	17.35	0.78	10.20	74.5	68.2	128	7.13	101.0
I076501		2.94	0.01	0.28	8.55	510	2440	1.80	9.58	4.03	0.38	86.1	43.1	330	9.24	124.0
I076502		5.08	0.03	0.13	0.34	134	170	0.11	0.92	35.4	0.42	8.16	2.6	8	0.57	4.8
I076503		2.46	0.05	0.17	0.29	52	140	0.13	0.87	34.9	0.26	5.25	2.1	5	0.36	3.5
I076504		2.94	0.91	21.1	0.20	>10000	2550	<0.05	1230	0.39	1.49	15.25	2.4	5	0.21	35.6
I076505		1.50	0.22	2.96	0.14	8330	1790	<0.05	902	8.66	0.77	6.29	1.6	3	0.07	7.7
I076506		7.62	0.01	0.02	0.06	12	20	0.06	3.10	20.2	0.07	1.30	1.3	2	0.14	3.2
I076507		3.48	0.21	1.91	0.20	>10000	4460	<0.05	1020	0.53	0.42	6.35	2.1	<1	0.16	7.9
I076508		2.28	0.25	1.77	0.27	>10000	4200	<0.05	1020	0.33	0.52	7.83	2.4	3	0.27	8.8
I076509		5.86	0.50	1.68	0.50	9630	3800	<0.05	1570	0.31	0.46	22.5	3.4	9	0.63	26.2
I076510		3.48	0.33	0.93	0.53	8530	2760	0.21	418	0.26	0.61	11.70	3.5	14	0.72	16.0
I076511		3.94	0.17	8.63	1.20	>10000	3910	0.76	78.8	0.46	2.37	16.05	6.2	25	2.04	20.4
I076512		3.08	0.69	26.4	0.94	>10000	2680	0.94	1250	1.11	7.86	40.2	2.5	16	0.87	16.1
I076513		7.08	5.34	3.99	0.47	>10000	1550	<0.05	947	2.23	1.34	21.1	1.7	5	0.69	9.2
I076514		5.40	0.74	0.72	0.30	>10000	170	0.13	126.5	8.85	0.56	10.20	3.7	21	0.74	4.7
I076515		7.82	0.41	0.15	3.27	6860	1310	1.01	34.0	9.43	0.29	67.8	16.0	66	21.4	10.8
I076516		0.26	8.29	23.2	4.97	10.3	40	1.54	1.62	1.34	0.02	6.45	9.0	38	56.4	17.3

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 13- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10104814

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I076481		7.39	17.15	0.25	3.9	0.059	1.03	36.7	54.7	6.86	1040	0.40	0.14	30.8	211	1910
I076482		6.81	16.80	0.24	3.2	0.049	1.80	38.6	67.2	6.27	1070	0.33	0.05	22.0	232	1840
I076483		6.31	17.80	0.24	3.1	0.063	3.51	33.8	66.7	4.36	1160	0.68	0.11	22.8	207	1850
I076484		10.80	23.6	0.29	4.3	0.062	4.09	56.8	31.2	2.28	1220	1.57	0.17	11.8	125.0	1430
I076485		2.44	6.00	0.13	1.0	0.033	1.04	22.1	15.6	3.92	1430	0.49	0.03	11.9	17.8	440
I076486		15.25	20.6	0.37	4.3	0.185	4.09	61.2	39.5	5.57	699	1.36	0.14	23.7	134.5	1720
I076487		2.08	15.55	0.16	1.6	0.021	3.42	11.0	10.4	0.62	287	9.67	1.30	2.3	8.8	440
I076488		11.95	30.3	0.32	4.7	0.105	4.37	55.3	43.8	5.26	667	2.74	0.18	34.1	94.8	2100
I076489		8.30	29.4	0.28	4.9	0.043	4.62	57.6	44.5	4.19	789	1.15	0.24	45.4	71.7	2370
I076490		33.5	3.45	0.38	0.4	0.059	0.07	9.3	2.5	2.45	1060	2.48	0.03	1.8	90.6	740
I076491		11.10	5.44	0.19	0.7	0.117	0.09	11.6	5.9	2.01	2090	1.62	0.04	3.8	82.1	590
I076492		16.90	8.45	0.28	1.2	0.041	0.25	32.8	11.5	2.39	2520	3.22	0.03	8.9	118.5	960
I076493		0.50	0.28	<0.05	<0.1	0.005	0.04	0.7	1.3	12.75	217	0.50	<0.01	0.2	2.7	220
I076494		1.22	1.10	0.08	0.2	0.018	0.12	12.9	2.1	0.29	483	0.45	0.01	1.6	20.7	110
I076495		3.46	1.89	0.09	0.3	0.026	0.24	13.9	3.4	0.33	772	0.85	0.01	2.2	29.6	160
I076496		6.71	9.13	0.16	1.1	0.090	1.08	24.3	20.3	1.02	1900	2.21	0.05	10.8	95.9	500
I076497		0.25	0.35	<0.05	0.1	<0.005	0.04	2.9	0.4	0.47	198	0.30	<0.01	0.5	2.9	60
I076498		0.22	0.44	0.08	0.1	<0.005	0.05	3.2	0.5	0.48	222	0.18	<0.01	0.6	2.9	70
I076499		1.12	1.57	0.07	0.3	0.033	0.15	8.4	2.6	0.40	759	0.32	0.01	2.5	16.7	150
I076500		9.45	15.00	0.25	1.6	0.160	1.96	42.7	34.3	1.36	7880	4.51	0.08	13.5	177.5	750
I076501		9.11	28.2	0.22	0.9	0.092	3.73	43.3	36.3	0.56	632	1.26	0.11	31.5	188.0	1570
I076502		0.57	0.93	<0.05	0.2	0.007	0.12	5.9	1.2	0.24	268	0.18	0.02	1.5	9.0	110
I076503		0.38	0.81	0.06	0.1	0.005	0.09	4.2	1.2	0.25	172	0.24	0.03	1.1	5.2	120
I076504		>50	1.83	0.71	<0.1	0.063	0.05	7.0	0.3	0.14	759	11.25	0.02	0.5	10.7	300
I076505		43.2	1.27	0.78	<0.1	0.013	0.03	3.1	0.3	0.16	466	7.59	0.01	0.3	5.7	270
I076506		0.54	0.21	<0.05	<0.1	<0.005	0.02	0.6	0.9	12.30	216	0.15	<0.01	0.2	2.7	180
I076507		>50	1.90	0.79	0.1	0.010	0.05	2.7	0.3	0.13	580	11.65	0.04	0.6	10.1	200
I076508		>50	2.09	1.02	0.1	0.056	0.06	3.4	0.5	0.14	642	11.25	0.04	1.5	11.4	210
I076509		>50	2.91	0.95	0.3	0.076	0.14	11.9	1.0	0.15	542	8.36	0.04	1.2	14.0	340
I076510		46.8	3.63	0.62	0.6	0.110	0.10	5.5	1.0	0.48	431	8.24	0.04	1.2	16.5	340
I076511		43.0	8.07	0.61	0.8	0.254	0.40	10.3	2.9	0.30	1220	3.87	0.05	2.3	32.1	490
I076512		36.4	4.35	0.77	0.3	0.099	0.11	24.1	4.7	1.61	878	1.64	0.03	2.1	13.3	550
I076513		33.9	3.86	0.88	0.3	0.204	0.20	11.2	2.5	0.42	1480	0.95	0.01	0.8	7.1	310
I076514		18.15	2.14	0.22	0.2	0.095	0.05	4.6	2.2	3.04	2150	0.37	0.01	0.6	11.5	200
I076515		12.25	11.90	0.20	1.8	0.046	1.77	38.4	19.2	8.28	1230	0.32	0.04	19.1	53.0	990
I076516		2.11	15.05	0.08	1.0	0.022	3.05	2.7	20.9	0.64	307	17.25	1.13	2.0	14.8	650

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Finalized Date: 13- AUG- 2010
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Project: RAU

CERTIFICATE OF ANALYSIS VA10104814

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I076481		1.5	127.0	<0.002	0.01	0.39	17.0	2	2.7	37.1	1.91	<0.05	6.7	0.662	0.90	2.1
I076482		1.0	207	0.002	0.01	0.52	22.3	2	2.0	58.3	1.25	<0.05	6.6	0.530	1.47	1.8
I076483		1.2	154.0	0.005	0.05	1.73	20.4	3	2.3	52.4	1.33	<0.05	5.6	0.555	1.60	2.0
I076484		1.5	180.5	0.003	0.65	4.62	25.0	3	3.6	130.0	0.66	<0.05	9.4	0.344	1.94	2.6
I076485		1.7	125.0	<0.002	0.01	1.56	4.5	3	1.0	61.1	0.69	<0.05	2.9	0.149	1.14	0.8
I076486		4.9	439	0.003	0.03	159.0	17.2	7	8.2	25.1	1.38	0.17	9.8	0.392	2.79	3.6
I076487		13.2	800	<0.002	0.01	0.89	7.8	2	1.2	60.0	0.24	<0.05	1.3	0.244	6.45	0.6
I076488		2.8	380	0.004	0.04	32.5	12.7	3	9.6	45.5	2.05	0.26	11.0	0.488	2.34	3.5
I076489		2.9	304	0.005	0.01	1.92	11.8	2	9.9	49.1	2.56	0.28	13.3	0.450	1.88	3.0
I076490		3.6	6.5	0.002	0.02	5.47	2.3	6	0.9	17.4	0.10	0.40	1.0	0.035	0.25	3.2
I076491		15.5	7.5	<0.002	0.04	4.95	5.2	4	1.0	42.0	0.20	0.18	1.4	0.083	0.39	2.5
I076492		18.2	46.5	<0.002	0.01	4.65	6.8	3	1.4	20.8	0.52	0.27	3.2	0.189	0.41	2.5
I076493		1.3	2.0	<0.002	0.01	<0.05	0.6	2	<0.2	42.7	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
I076494		8.4	10.2	<0.002	0.02	0.74	1.7	3	0.3	155.5	0.09	<0.05	0.4	0.034	0.11	0.4
I076495		35.5	21.0	<0.002	0.02	1.75	2.9	3	0.6	175.0	0.12	0.05	0.8	0.062	0.30	1.2
I076496		211	78.7	<0.002	<0.01	5.87	11.8	2	2.9	89.1	0.61	0.09	3.7	0.317	1.34	2.5
I076497		2.9	1.8	<0.002	0.04	0.21	0.7	3	<0.2	130.5	<0.05	<0.05	<0.2	0.011	0.02	0.2
I076498		3.2	2.1	<0.002	0.03	0.19	0.8	3	<0.2	121.0	<0.05	<0.05	0.2	0.013	0.02	0.2
I076499		58.8	7.5	<0.002	0.01	0.99	2.3	3	0.4	104.5	0.14	<0.05	0.7	0.063	0.11	0.6
I076500		766	115.0	<0.002	0.01	17.50	20.2	2	7.7	41.5	0.78	0.13	7.3	0.476	3.19	3.5
I076501		2.6	136.0	<0.002	0.92	0.40	26.0	1	2.3	205	1.89	0.07	6.6	0.671	1.72	1.8
I076502		3.1	6.3	<0.002	0.02	0.23	1.4	3	0.2	148.5	0.08	<0.05	0.5	0.033	0.08	0.2
I076503		3.1	5.0	<0.002	0.01	0.16	1.2	3	0.2	137.5	0.06	<0.05	0.5	0.023	0.06	0.2
I076504		48.1	2.7	<0.002	0.52	37.6	2.0	2	1.4	15.8	<0.05	3.40	0.2	0.007	0.07	2.8
I076505		36.4	1.5	<0.002	0.09	25.9	2.1	2	0.9	41.4	<0.05	2.03	0.2	0.007	0.03	1.8
I076506		1.2	1.3	<0.002	0.01	0.06	0.5	2	<0.2	39.9	<0.05	<0.05	<0.2	<0.005	<0.02	0.7
I076507		66.5	2.9	<0.002	0.15	25.6	2.4	2	3.7	13.3	<0.05	1.85	0.3	0.012	0.06	2.2
I076508		75.2	3.6	<0.002	0.14	27.2	2.5	1	1.4	12.3	0.05	2.37	0.3	0.019	0.06	2.4
I076509		152.0	7.6	<0.002	0.13	33.7	3.7	4	2.9	11.7	0.05	2.71	0.5	0.035	0.04	3.1
I076510		83.5	6.9	0.003	0.09	18.45	2.8	4	2.7	9.3	0.06	0.76	0.9	0.038	0.10	2.5
I076511		154.0	34.6	<0.002	0.26	13.35	5.3	4	5.2	27.3	0.13	0.58	2.7	0.069	0.31	3.4
I076512		109.5	11.4	<0.002	0.20	33.8	5.2	4	5.0	56.3	0.05	1.45	1.2	0.038	0.17	7.1
I076513		104.5	12.8	<0.002	0.24	67.1	3.3	11	3.9	160.5	<0.05	1.34	0.6	0.020	0.33	3.9
I076514		9.0	8.1	<0.002	0.04	5.29	2.3	5	0.4	45.2	<0.05	0.24	0.7	0.015	0.14	1.2
I076515		4.5	153.0	<0.002	0.19	1.72	7.7	2	2.2	62.7	1.09	0.15	4.7	0.308	1.50	1.5
I076516		5.7	1290	<0.002	0.03	0.78	7.9	2	1.0	56.5	0.27	<0.05	0.6	0.249	13.45	0.3

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 13- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10104814

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	As- OG62 As % 0.001
I076481		176	0.7	21.8	120	151.5	
I076482		176	0.5	21.0	88	135.5	
I076483		174	0.8	20.9	74	122.5	
I076484		206	3.3	21.1	72	175.0	
I076485		28	2.1	17.6	20	41.5	
I076486		133	9.5	31.0	253	178.0	
I076487		53	0.4	11.9	26	56.9	
I076488		117	10.3	28.2	134	207	
I076489		106	25.1	26.1	412	250	
I076490		20	119.5	18.8	1380	18.1	
I076491		39	27.9	20.2	2170	26.6	
I076492		88	7.6	20.6	2490	48.6	
I076493		3	0.2	0.9	19	<0.5	
I076494		53	1.7	10.2	245	5.9	
I076495		22	3.5	12.3	536	9.1	
I076496		60	8.2	18.2	1330	38.1	
I076497		1	0.2	2.9	28	2.6	
I076498		2	0.2	4.0	35	2.9	
I076499		9	3.7	7.9	734	9.2	
I076500		105	19.5	29.7	2390	49.0	
I076501		161	7.5	13.0	127	35.6	
I076502		5	0.7	6.1	57	5.1	
I076503		4	0.6	3.7	38	4.7	
I076504		7	286	12.1	424	5.5	1.075
I076505		5	199.5	5.2	153	4.5	
I076506		2	0.5	0.8	14	<0.5	
I076507		7	178.5	6.0	189	8.0	0.952
I076508		8	159.5	6.8	230	14.0	1.080
I076509		17	104.5	12.8	411	16.7	
I076510		15	196.5	12.6	463	18.9	
I076511		42	44.3	12.6	1240	30.5	1.685
I076512		19	55.1	17.7	981	19.6	3.67
I076513		14	172.0	13.0	232	15.2	8.34
I076514		9	48.3	11.5	96	9.0	1.660
I076515		53	7.6	15.6	52	70.4	
I076516		54	0.4	7.9	28	33.3	

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 13- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10104814

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 12- AUG- 2010
Account: RCM

CERTIFICATE VA10104815

Project: RAU

P.O. No.: BATCH 58

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 30- JUL- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- 31	Fine crushing - 70% < 2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
As- OG62	Ore Grade As - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 12- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10104815

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
I076553		2.60	1.89	0.06	7.08	97.4	890	1.68	381	4.36	0.05	71.0	10.4	49	9.19	9.8
I076554		5.66	0.09	0.09	2.90	52	310	0.86	55.9	10.95	0.02	22.2	10.0	57	14.80	7.7
I076555		4.84	0.05	0.30	6.22	204	550	1.40	22.2	7.32	0.02	17.75	29.1	133	23.1	19.9
I076556		4.78	0.18	0.11	0.77	2940	40	0.28	657	16.80	0.04	22.6	3.3	12	5.74	7.5
I076557		4.10	0.01	0.01	0.08	7	20	0.07	5.53	20.3	0.06	1.30	1.2	1	0.19	2.0
I076558		5.04	0.13	0.12	0.26	487	20	0.15	49.1	15.80	0.04	8.54	1.1	7	2.53	3.8
I076559		5.54	0.23	0.08	0.03	>10000	10	<0.05	43.0	15.60	0.06	8.32	0.7	1	0.43	3.0
I076560		5.86	0.46	0.05	0.63	8940	140	0.21	25.1	17.25	0.04	11.15	1.4	6	4.58	3.8
I076561		5.72	0.44	0.11	0.16	771	10	0.05	150.5	15.20	0.06	33.9	2.2	5	0.49	7.2
I076562		6.14	0.36	0.16	0.13	1910	10	0.07	163.0	14.90	0.06	20.0	1.4	7	0.82	5.0
I076563		0.28	0.54	1.77	0.14	6240	50	0.09	69.9	16.45	2.47	14.70	1.8	7	0.35	20.3
I076564		6.24	0.52	0.09	0.10	1260	10	<0.05	281	11.50	0.06	7.54	1.3	3	0.88	4.5
I076565		6.28	4.98	0.13	0.04	1380	10	<0.05	198.0	10.90	0.03	8.52	0.8	8	0.46	4.7
I076566		2.94	4.79	0.09	0.05	1280	10	<0.05	217	10.60	0.04	11.95	0.9	3	0.41	4.8
I076567		6.30	1.41	0.08	0.12	1320	<10	0.05	302	11.35	0.04	8.34	0.9	2	0.36	4.1
I076568		6.42	1.36	0.06	0.04	1140	10	<0.05	319	10.65	0.05	12.65	0.7	1	0.38	5.0
I076569		6.12	3.61	0.16	0.06	953	10	<0.05	234	14.65	0.03	15.10	0.9	1	0.52	4.1
I076570		5.98	0.13	0.08	0.05	578	10	<0.05	133.0	15.70	0.06	16.05	0.7	1	0.51	3.7
I076571		5.88	0.07	0.10	0.10	505	10	0.06	162.0	14.55	0.04	22.3	0.8	2	1.18	4.7
I076572		6.26	0.19	0.10	0.06	1020	10	<0.05	313	14.10	0.06	6.33	0.7	<1	0.53	3.7
I076573		6.42	1.00	0.10	0.08	937	10	<0.05	81.3	15.05	0.06	32.6	1.3	3	0.37	3.2
I076574		5.96	0.15	0.10	0.05	1100	<10	<0.05	45.3	16.05	0.13	9.95	1.4	4	0.40	2.7
I076575		5.58	0.05	0.10	0.09	446	10	0.08	82.8	14.85	0.05	27.9	2.0	3	0.37	4.0
I076576		5.66	0.07	0.12	0.12	338	10	<0.05	171.5	13.95	0.04	157.5	2.6	5	0.42	6.8
I076577		5.66	0.02	0.09	0.11	258	10	0.07	35.4	17.40	0.06	8.05	2.1	3	0.26	3.1
I076578		5.70	0.16	0.14	0.23	713	30	0.14	54.3	15.00	0.05	234	6.1	4	0.92	5.3
I076579		2.30	1.15	0.79	1.86	>10000	530	0.86	180.0	2.89	10.35	43.5	4.3	34	1.46	107.0
I076580		3.74	1.25	1.46	1.84	>10000	870	0.95	153.0	1.27	8.70	35.5	5.2	22	2.41	85.5
I076581		3.30	1.22	3.47	1.50	>10000	410	0.67	91.7	0.92	10.40	31.4	3.6	25	1.45	87.9
I076582		4.78	0.81	4.51	0.87	>10000	820	0.37	412	3.93	4.81	14.50	3.1	18	1.44	41.6
I076583		0.28	0.39	6.89	4.86	7.1	70	0.94	3.38	1.27	0.02	17.90	8.7	30	19.10	12.3
I076584		3.34	1.14	1.52	2.23	>10000	1160	0.97	631	8.06	10.00	32.5	3.7	31	3.12	40.4
I076585		4.20	1.79	2.52	1.93	>10000	1790	1.08	577	0.93	27.6	50.6	2.8	57	3.02	65.6
I076586		7.82	<0.01	0.01	0.06	58	20	0.05	2.12	20.6	0.09	1.20	1.1	<1	0.14	2.6
I076587		4.72	0.01	0.03	5.34	45	570	1.18	1.07	14.65	0.15	77.9	37.6	35	11.45	31.9
I076588		5.44	0.01	<0.01	5.85	50	220	1.21	0.83	15.05	0.22	69.2	55.9	33	6.98	31.0

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 12- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10104815

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I076553		5.67	20.6	0.17	3.4	0.053	3.62	50.3	43.2	2.29	1500	0.54	0.08	43.0	42.3	850
I076554		4.70	12.15	0.11	1.0	0.022	1.70	13.7	18.5	5.97	1560	0.34	0.05	15.6	37.6	920
I076555		9.28	25.3	0.20	4.1	0.029	4.09	9.4	39.8	4.44	393	0.64	0.10	34.7	124.5	1870
I076556		9.89	4.77	0.49	0.3	0.009	0.51	11.8	5.9	7.95	2380	<0.05	0.01	3.0	11.8	360
I076557		0.45	0.32	0.06	<0.1	<0.005	0.03	0.7	1.4	12.45	191	0.11	0.01	0.3	1.0	180
I076558		7.58	1.65	0.15	0.2	0.020	0.16	5.3	3.9	8.68	1120	0.11	0.01	1.0	5.5	60
I076559		11.40	0.34	0.20	<0.1	0.061	0.01	4.5	2.1	8.74	2390	0.07	0.01	0.2	1.3	10
I076560		6.67	2.78	0.11	0.4	0.036	0.44	7.2	6.2	9.37	1400	0.10	0.02	4.1	4.8	150
I076561		12.50	1.16	0.24	0.1	0.042	0.02	23.0	2.1	8.64	2510	0.05	0.02	0.7	5.0	100
I076562		12.30	1.02	0.18	0.1	0.044	0.05	13.3	2.1	8.29	2280	0.08	0.01	0.5	3.2	110
I076563		11.05	1.29	0.18	0.1	0.133	0.05	7.1	2.2	9.04	4740	2.41	0.01	1.2	6.8	140
I076564		17.60	0.92	0.29	0.1	0.060	0.05	3.8	1.9	6.62	1740	0.08	0.01	0.8	3.1	210
I076565		20.0	0.51	0.29	<0.1	0.058	0.02	4.9	1.4	6.29	1730	0.08	<0.01	0.4	4.4	140
I076566		18.80	0.58	0.30	<0.1	0.058	0.02	7.2	1.5	6.54	1740	0.08	0.01	0.4	2.8	130
I076567		17.55	0.80	0.28	0.2	0.038	0.02	4.7	1.4	6.57	1670	0.06	0.01	2.8	1.4	80
I076568		20.1	0.49	0.35	<0.1	0.041	0.02	8.4	1.3	6.24	1540	0.06	0.01	0.4	0.8	80
I076569		14.10	0.61	0.24	0.1	0.054	0.03	9.9	1.7	8.40	2090	0.05	0.01	0.5	2.1	120
I076570		11.35	0.55	0.16	0.1	0.051	0.03	10.2	1.9	9.19	2280	0.06	0.01	0.3	0.9	110
I076571		11.55	0.95	0.20	0.1	0.043	0.07	15.1	1.8	8.89	1810	0.07	0.01	0.4	2.6	150
I076572		15.40	0.62	0.24	0.1	0.052	0.04	2.9	1.7	8.19	2130	0.08	0.01	0.4	1.1	120
I076573		13.25	0.79	0.20	0.1	0.059	0.02	23.0	1.7	8.48	2450	0.07	0.01	0.4	2.3	130
I076574		10.45	0.44	0.18	<0.1	0.060	0.01	5.2	2.0	8.97	2510	0.07	0.01	0.2	4.2	90
I076575		9.78	0.91	0.19	0.1	0.037	0.01	19.0	2.1	8.19	1730	0.18	0.01	0.3	6.4	150
I076576		10.00	1.42	0.24	0.1	0.025	0.02	119.5	1.7	8.52	1060	0.19	0.01	0.5	12.0	260
I076577		5.84	0.75	0.11	0.1	0.031	0.01	4.6	2.6	10.15	1200	0.18	0.02	0.6	7.1	170
I076578		10.65	2.09	0.31	0.2	0.056	0.09	165.5	3.0	8.77	1640	0.24	0.01	1.1	16.1	380
I076579		35.1	9.42	0.53	0.5	0.758	0.24	24.7	3.6	1.39	1000	1.13	0.01	1.2	16.8	950
I076580		37.4	7.47	0.57	0.6	0.328	0.33	21.7	4.6	0.51	1520	1.27	0.02	1.4	15.8	930
I076581		37.8	6.51	0.69	0.3	0.366	0.10	18.1	2.5	0.31	895	1.31	0.01	0.7	12.4	860
I076582		24.9	4.92	0.32	0.4	0.162	0.19	8.3	2.4	1.84	686	1.83	0.02	1.6	10.5	450
I076583		2.02	14.85	0.08	1.5	0.020	3.10	11.2	9.1	0.60	285	9.15	1.19	2.1	7.7	440
I076584		21.6	10.40	0.58	1.0	0.266	0.60	17.0	9.1	4.64	1060	0.47	0.01	6.5	18.8	840
I076585		44.2	15.80	0.82	0.7	0.696	0.29	24.9	4.8	0.17	659	1.29	0.01	2.7	15.8	1130
I076586		0.53	0.23	<0.05	<0.1	<0.005	0.02	0.6	0.9	12.45	223	0.22	<0.01	0.2	1.0	190
I076587		5.28	17.10	0.18	2.5	0.071	2.65	45.6	27.8	2.71	603	0.16	0.08	26.6	78.7	1740
I076588		6.77	18.45	0.20	0.7	0.069	2.56	39.8	14.5	1.52	612	0.13	0.12	27.9	116.0	2200

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 12- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10104815

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I076553		5.3	154.5	<0.002	5.19	2.76	7.5	3	4.4	48.5	2.57	0.27	12.3	0.424	0.78	1.9
I076554		3.1	214	<0.002	4.30	0.78	5.8	2	2.3	60.3	0.88	0.17	3.0	0.329	1.10	1.0
I076555		3.0	412	<0.002	>10.0	0.63	12.7	4	4.6	41.6	2.17	0.38	8.2	0.520	2.12	4.0
I076556		5.4	107.0	<0.002	8.84	7.58	3.6	2	2.0	89.2	0.18	0.28	0.9	0.070	0.42	1.0
I076557		1.4	2.3	<0.002	0.04	0.07	0.5	2	<0.2	47.0	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
I076558		3.6	30.0	<0.002	7.80	1.45	1.0	3	0.4	65.8	0.05	0.09	0.2	0.020	0.18	0.3
I076559		3.8	2.1	<0.002	>10.0	3.32	1.1	4	0.2	103.0	<0.05	0.42	<0.2	<0.005	0.06	0.1
I076560		3.0	67.1	<0.002	6.25	2.47	1.2	3	0.6	72.7	0.23	0.10	1.0	0.044	0.33	0.5
I076561		4.4	4.7	<0.002	>10.0	2.72	0.8	3	0.4	84.0	<0.05	0.24	0.6	0.008	0.05	0.4
I076562		4.0	10.7	<0.002	>10.0	2.79	0.9	3	0.3	88.1	<0.05	0.27	0.3	0.009	0.08	0.4
I076563		111.5	5.5	<0.002	8.93	3.38	0.7	2	3.3	117.0	<0.05	0.14	0.8	0.008	0.07	0.5
I076564		4.5	11.8	<0.002	>10.0	5.85	0.7	5	0.3	73.9	<0.05	0.33	<0.2	0.010	0.07	0.3
I076565		2.9	4.4	<0.002	>10.0	7.38	0.5	5	0.2	71.2	<0.05	0.19	0.2	<0.005	0.07	1.9
I076566		2.9	4.0	<0.002	>10.0	7.61	0.6	5	0.3	74.0	<0.05	0.24	0.2	<0.005	0.08	3.2
I076567		3.5	4.2	<0.002	>10.0	8.90	0.5	5	0.5	72.1	0.19	0.28	0.4	0.012	0.04	0.7
I076568		3.9	3.9	<0.002	>10.0	7.66	0.6	6	0.2	72.3	<0.05	0.27	<0.2	<0.005	0.04	0.3
I076569		3.2	6.3	<0.002	>10.0	4.79	0.7	4	0.2	89.2	<0.05	0.26	<0.2	<0.005	0.05	0.2
I076570		3.2	6.4	<0.002	>10.0	1.88	0.6	3	0.2	91.4	<0.05	0.20	<0.2	<0.005	0.04	0.3
I076571		3.3	14.5	<0.002	>10.0	2.44	0.8	4	0.2	88.8	<0.05	0.25	<0.2	0.005	0.08	0.3
I076572		4.3	7.2	<0.002	>10.0	5.73	0.8	4	0.2	90.7	<0.05	0.27	<0.2	<0.005	0.04	0.1
I076573		3.7	4.4	<0.002	>10.0	2.33	0.8	3	0.3	75.9	<0.05	0.15	0.2	0.005	0.03	0.5
I076574		4.2	2.8	<0.002	>10.0	1.02	0.9	3	0.2	95.0	<0.05	0.15	<0.2	<0.005	0.04	0.1
I076575		4.5	2.4	0.005	>10.0	1.64	0.7	3	0.5	82.4	<0.05	0.17	<0.2	0.005	0.10	0.4
I076576		3.3	3.3	<0.002	>10.0	2.08	0.6	4	0.3	57.6	<0.05	0.35	0.4	0.007	0.04	2.1
I076577		3.3	1.0	<0.002	5.98	1.34	0.7	3	0.2	67.6	<0.05	0.19	<0.2	0.010	0.02	0.3
I076578		4.5	9.8	<0.002	>10.0	1.45	1.0	4	0.3	77.8	0.06	0.24	0.5	0.026	0.08	3.5
I076579		144.0	19.4	0.002	0.23	15.90	7.3	9	0.7	102.0	0.08	0.51	3.2	0.030	0.36	5.7
I076580		60.6	28.1	0.002	0.15	7.37	6.1	17	0.8	46.2	0.10	0.29	2.4	0.030	0.45	7.8
I076581		113.0	12.2	<0.002	0.10	7.09	6.4	15	0.4	36.2	0.05	0.30	2.5	0.016	0.32	7.7
I076582		88.4	14.6	0.002	0.10	13.50	2.5	6	0.8	48.6	0.08	0.92	1.7	0.034	0.29	3.0
I076583		12.8	690	<0.002	0.01	0.64	6.9	2	0.9	54.4	0.20	<0.05	1.3	0.237	5.56	0.7
I076584		179.5	40.2	<0.002	0.13	14.70	6.1	9	2.5	95.7	0.25	0.66	2.7	0.110	0.57	3.6
I076585		532	26.4	<0.002	0.13	67.1	8.2	12	2.0	143.5	0.19	1.52	5.1	0.066	0.46	6.4
I076586		1.6	1.2	<0.002	0.01	0.06	0.5	2	<0.2	40.4	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
I076587		5.0	109.5	<0.002	3.43	0.45	11.9	2	1.6	91.3	1.66	<0.05	4.2	0.839	0.55	2.4
I076588		6.4	80.4	<0.002	5.80	0.75	11.8	2	1.3	99.1	1.74	<0.05	3.9	0.900	0.47	0.4

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 12- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10104815

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	As- OG62 As % 0.001
I076553		53	26.3	19.4	22	126.5	
I076554		58	68.2	11.1	13	36.9	
I076555		120	7.0	13.5	15	156.0	
I076556		19	116.5	11.0	15	17.0	
I076557		2	0.3	0.9	13	0.8	
I076558		9	67.1	4.8	8	6.5	
I076559		4	174.0	6.0	11	0.7	1.330
I076560		10	68.2	4.9	10	16.0	
I076561		6	86.7	7.3	12	7.5	
I076562		6	73.8	7.2	12	3.9	
I076563		6	134.0	6.8	450	3.9	
I076564		7	66.5	7.2	14	4.5	
I076565		5	3.3	7.3	11	1.9	
I076566		5	13.3	7.5	11	1.9	
I076567		5	26.1	7.0	10	7.9	
I076568		4	41.5	5.5	9	1.8	
I076569		7	61.9	7.6	11	2.6	
I076570		7	107.0	7.7	14	2.2	
I076571		8	32.7	7.1	13	2.4	
I076572		7	16.8	6.8	12	2.4	
I076573		7	14.8	8.9	10	2.7	
I076574		7	76.0	8.2	24	1.6	
I076575		12	520	8.1	12	4.1	
I076576		12	43.2	6.3	9	5.0	
I076577		10	11.4	4.6	10	5.7	
I076578		19	58.3	8.3	13	7.2	
I076579		40	123.5	23.6	1480	18.4	2.61
I076580		36	187.0	26.8	1100	23.5	3.29
I076581		39	107.5	19.3	1110	12.9	3.22
I076582		29	237	10.3	439	17.8	1.575
I076583		50	0.9	10.5	26	50.5	
I076584		42	185.0	22.9	695	43.1	1.815
I076585		71	288	25.1	1460	39.8	3.69
I076586		2	0.6	0.9	17	0.6	
I076587		145	2.3	16.5	39	93.7	
I076588		142	1.0	15.3	67	27.0	

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1016- 510 W HASTINGS ST
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Finalized Date: 12- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10104815

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

ALS Canada Ltd.

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 17- AUG- 2010
Account: RCM

CERTIFICATE VA10104816

Project: RAU

P.O. No.: BATCH 57

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 30- JUL- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- 31	Fine crushing - 70% < 2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
As- OG62	Ore Grade As - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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CERTIFICATE OF ANALYSIS VA10104816

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
I076517		9.68	0.27	0.11	7.56	5760	2720	1.47	15.95	1.64	1.28	150.0	14.0	89	24.3	25.7
I076518		5.76	1.24	0.14	0.71	4540	380	0.16	62.1	15.40	0.15	11.30	3.6	7	1.16	5.3
I076519		6.78	0.20	0.06	0.55	1400	250	0.17	7.84	18.20	0.13	8.49	2.0	7	0.86	3.0
I076520		4.02	0.28	0.16	0.59	2350	200	0.23	26.1	15.80	0.37	7.72	2.6	9	1.02	3.0
I076521		4.90	0.21	0.15	0.19	3070	150	0.10	43.7	12.10	0.43	5.39	1.9	5	0.30	3.2
I076522		3.26	0.35	0.13	0.56	2120	380	0.24	7.72	17.85	0.84	7.93	2.1	6	0.95	3.7
I076523		6.08	0.17	0.13	0.43	802	160	0.23	2.09	17.35	0.98	6.11	1.5	7	0.84	2.6
I076524		3.26	0.16	0.14	0.46	860	180	0.23	2.04	18.25	1.10	6.62	1.6	7	0.85	2.7
I076525		7.10	0.33	0.07	0.40	2180	300	0.16	15.60	13.75	0.60	8.83	1.7	9	0.63	3.5
I076526		5.80	0.45	0.10	0.99	2070	690	0.36	7.24	16.80	0.58	10.55	3.3	14	1.36	8.1
I076527		3.38	0.45	0.65	0.30	8350	190	0.11	77.2	0.69	1.86	6.34	2.5	10	0.49	14.5
I076528		0.26	1.37	0.60	4.94	80.3	90	1.10	1.34	1.02	0.13	14.75	22.5	162	23.8	457
I076529		2.40	0.69	0.17	0.72	3830	440	0.27	27.8	14.25	0.63	14.60	2.1	13	1.48	9.9
I076530		4.96	0.42	0.11	0.55	2560	330	0.24	20.5	17.50	0.60	12.35	1.9	7	0.84	7.4
I076531		5.50	0.41	0.20	1.21	2630	450	0.47	12.50	15.75	0.68	41.8	3.7	12	5.92	9.3
I076532		4.22	0.91	1.36	1.71	>10000	340	0.65	215	3.94	9.69	29.6	4.6	13	2.30	72.6
I076533		1.36	1.54	1.94	1.28	>10000	280	0.58	306	0.84	6.74	24.7	2.8	19	2.81	51.5
I076534		2.66	3.01	2.28	5.14	>10000	1760	1.34	480	0.63	5.81	14.90	4.1	81	5.12	36.5
I076535		3.88	1.16	0.98	1.42	>10000	500	0.66	550	1.91	9.06	25.2	5.1	32	2.27	64.8
I076536		7.18	0.01	0.02	0.11	144	40	0.06	1.45	21.0	0.08	1.29	1.2	3	0.29	2.3
I076537		5.64	0.86	0.16	1.06	81	240	0.35	229	17.70	0.09	12.45	3.2	18	5.22	119.0
I076538		5.48	1.20	0.18	1.93	123	250	0.60	164.5	16.65	0.07	8.29	3.3	22	8.54	87.2
I076539		4.20	0.02	0.01	0.08	9	20	0.05	1.40	21.3	0.05	1.48	1.2	2	0.20	3.0
I076540		5.64	1.10	0.26	1.54	52	110	0.51	151.5	22.4	0.05	14.70	8.1	15	14.55	242
I076541		3.54	0.10	0.15	6.79	322	160	1.48	19.55	4.04	0.02	36.3	34.3	310	8.22	24.8
I076542		6.18	0.04	0.20	6.87	382	1130	1.48	29.8	3.27	0.03	31.0	58.8	283	10.35	14.6
I076543		0.28	3.79	0.22	0.12	>10000	20	<0.05	231	9.81	0.07	6.98	1.3	12	0.64	26.0
I076544		5.36	0.04	0.17	6.81	475	970	1.80	24.1	8.11	0.02	29.8	31.9	232	17.25	13.7
I076545		4.92	0.03	0.12	3.36	253	220	0.77	38.5	13.00	0.03	20.9	15.1	70	6.00	2.4
I076546		5.30	0.01	0.09	7.45	89.9	1600	1.67	16.25	6.76	0.02	74.5	17.4	275	26.6	19.1
I076547		5.78	0.02	0.28	7.88	1700	210	2.72	1020	2.74	0.02	84.8	26.0	241	15.30	26.3
I076548		6.04	0.03	0.09	8.76	259	1010	2.92	9.17	2.89	<0.02	116.5	18.6	61	14.20	17.2
I076549		5.94	0.01	0.20	9.28	17.1	3040	3.30	1.62	2.09	<0.02	172.0	21.1	158	31.4	15.9
I076550		5.74	0.01	0.13	8.21	34.3	310	2.93	2.18	2.26	<0.02	134.0	27.5	117	14.35	22.5
I076551		5.54	0.07	0.37	8.41	104.0	200	2.26	8.12	1.56	<0.02	152.0	15.9	133	7.26	10.3
I076552		3.54	0.07	0.08	8.29	41.5	250	2.34	6.83	1.31	0.03	135.0	7.9	73	6.77	9.8

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 17- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10104816

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I076517		12.25	24.3	0.33	3.0	0.118	4.01	81.1	33.2	4.37	805	0.68	0.13	24.7	42.7	2360
I076518		12.15	3.71	0.27	0.5	0.114	0.31	5.9	4.2	6.56	3210	0.57	0.02	3.8	9.8	700
I076519		4.71	2.86	0.12	0.4	0.058	0.29	5.3	3.9	9.87	1500	0.20	0.01	3.2	6.5	260
I076520		8.35	3.08	0.21	0.3	0.034	0.25	4.8	2.8	8.81	1180	0.28	0.01	2.4	8.8	310
I076521		10.15	1.17	0.25	0.1	0.075	0.07	2.4	1.0	5.43	2570	0.30	0.01	0.7	4.2	150
I076522		5.71	2.77	0.17	0.3	0.036	0.24	5.1	2.6	10.05	1050	0.21	0.02	2.6	6.6	190
I076523		1.82	1.96	0.07	0.2	0.014	0.19	4.3	2.2	10.15	713	0.11	0.01	2.0	4.7	150
I076524		1.92	2.00	0.08	0.2	0.014	0.20	4.6	2.3	10.85	699	0.14	0.01	2.1	5.0	150
I076525		5.15	1.94	0.15	0.2	0.030	0.16	5.6	2.2	7.83	738	0.17	0.01	1.4	4.8	240
I076526		6.20	4.47	0.20	0.6	0.037	0.42	6.6	4.7	10.25	805	0.40	0.02	4.3	11.6	370
I076527		18.75	1.85	0.41	0.1	0.075	0.08	2.8	0.6	0.26	656	0.72	0.01	0.6	3.4	200
I076528		2.02	14.50	0.14	1.4	0.042	3.58	9.0	6.7	0.38	297	5.05	1.18	2.6	493	460
I076529		9.64	3.75	0.17	0.4	0.059	0.29	9.5	3.3	8.67	778	0.33	0.01	2.7	8.9	350
I076530		6.00	2.54	0.13	0.3	0.037	0.22	8.7	2.7	10.35	882	0.26	<0.01	2.3	6.5	220
I076531		5.62	6.07	0.14	0.7	0.028	0.50	25.9	5.7	10.20	937	0.47	0.01	6.1	13.2	460
I076532		39.2	4.96	0.58	0.4	0.216	0.27	16.2	4.1	2.31	1380	1.49	<0.01	1.7	16.9	590
I076533		41.4	6.79	0.61	0.2	0.313	0.17	13.9	1.3	0.21	947	1.97	<0.01	1.3	12.2	640
I076534		30.8	27.7	0.47	2.6	0.155	1.90	7.3	7.9	0.77	654	1.21	0.09	6.8	14.4	890
I076535		40.2	12.25	0.88	0.6	0.268	0.28	13.5	2.4	0.88	969	1.37	0.01	1.9	19.1	680
I076536		0.63	0.34	<0.05	<0.1	0.005	0.04	0.7	1.2	12.45	226	0.07	<0.01	0.3	2.2	180
I076537		6.27	5.46	0.11	0.6	0.081	0.64	4.8	7.8	8.59	7570	0.37	0.03	3.9	9.3	110
I076538		6.27	9.26	0.13	1.1	0.067	1.23	3.2	12.8	7.98	7460	0.71	0.02	8.7	10.6	170
I076539		0.49	0.36	<0.05	<0.1	<0.005	0.03	0.8	1.0	12.65	242	0.23	<0.01	0.4	2.6	210
I076540		5.51	7.15	0.12	0.8	0.120	1.16	7.5	12.7	5.37	5590	0.93	0.02	6.4	18.3	260
I076541		14.10	24.7	0.29	0.5	0.051	4.13	16.0	31.5	1.70	374	3.18	0.06	10.8	257	1440
I076542		15.45	22.6	0.31	1.1	0.038	4.39	15.4	27.6	2.22	284	2.89	0.10	10.5	260	1660
I076543		21.2	0.83	0.31	0.1	0.092	0.08	3.0	1.5	5.24	1840	5.27	<0.01	1.4	8.1	90
I076544		9.78	29.0	0.23	2.7	0.031	3.84	18.3	35.8	5.69	710	1.33	0.12	18.7	139.5	1460
I076545		5.70	17.80	0.14	1.4	0.020	0.81	7.5	11.0	8.25	1640	1.33	0.20	11.9	35.7	1380
I076546		3.43	24.8	0.19	3.0	0.023	5.12	36.6	38.1	4.56	426	1.41	0.20	32.8	107.5	2070
I076547		9.05	29.4	0.28	0.8	0.074	4.94	42.6	51.6	1.25	285	0.65	0.08	50.7	107.0	2310
I076548		5.60	30.0	0.25	1.2	0.067	4.50	59.1	49.3	1.13	340	1.30	0.11	124.0	51.1	2880
I076549		7.72	27.0	0.32	0.9	0.080	4.92	91.1	61.1	1.56	457	0.80	0.16	101.5	53.2	3790
I076550		6.66	26.1	0.28	1.4	0.069	4.97	65.9	44.6	1.29	207	1.55	0.10	84.2	53.7	2290
I076551		7.74	32.9	0.31	2.9	0.072	4.77	77.6	57.6	1.26	192	1.07	0.08	127.5	35.3	1270
I076552		4.78	29.7	0.25	2.5	0.059	4.47	76.2	59.3	1.13	200	0.68	0.08	87.8	22.3	1010

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 17- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10104816

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I076517		5.3	170.5	0.003	0.62	4.15	12.5	3	2.7	149.5	1.51	0.06	11.0	0.363	1.86	2.2
I076518		7.4	14.0	0.011	0.03	3.48	1.8	4	0.6	61.8	0.22	<0.05	1.2	0.045	0.26	0.7
I076519		3.6	13.7	<0.002	0.02	0.79	1.5	5	0.6	63.7	0.18	<0.05	0.7	0.054	0.12	0.4
I076520		5.9	16.5	<0.002	0.02	1.32	1.3	7	0.6	52.9	0.14	<0.05	0.6	0.048	0.16	0.6
I076521		10.0	4.3	<0.002	0.01	1.22	1.7	7	0.3	62.4	<0.05	<0.05	0.2	0.010	0.08	0.4
I076522		25.0	17.4	<0.002	0.02	0.71	1.1	5	0.6	61.4	0.14	<0.05	0.7	0.042	0.18	0.5
I076523		49.6	18.9	<0.002	0.01	0.52	1.1	3	0.5	50.4	0.12	<0.05	0.5	0.043	0.16	0.3
I076524		56.9	18.7	<0.002	0.01	0.51	1.0	3	0.5	51.7	0.12	<0.05	0.5	0.045	0.16	0.3
I076525		6.9	9.8	<0.002	0.01	0.79	1.0	4	0.5	45.3	0.07	<0.05	0.5	0.028	0.13	0.5
I076526		6.3	24.2	<0.002	0.02	0.81	2.1	4	1.0	60.1	0.26	0.06	1.3	0.073	0.22	0.9
I076527		25.8	5.7	0.013	0.03	3.58	1.1	10	0.3	8.6	<0.05	0.11	0.3	0.007	0.26	1.2
I076528		176.0	960	<0.002	0.31	2.47	3.5	1	3.0	51.8	2.22	0.15	2.2	0.082	8.62	0.9
I076529		6.0	19.5	<0.002	0.01	1.55	2.0	5	0.7	42.3	0.14	0.07	0.8	0.054	0.20	0.9
I076530		5.0	17.5	<0.002	0.01	1.04	1.6	3	0.6	47.0	0.12	0.05	0.7	0.040	0.16	0.7
I076531		11.0	37.8	<0.002	0.01	1.10	2.7	3	1.0	41.6	0.37	0.07	2.2	0.089	0.47	1.1
I076532		88.1	27.6	<0.002	0.08	9.99	4.1	7	0.8	31.9	0.08	0.38	1.0	0.035	0.39	3.2
I076533		36.7	27.6	<0.002	0.09	10.25	3.7	5	0.6	20.6	0.05	0.69	1.5	0.023	0.39	5.6
I076534		119.0	63.5	0.002	0.18	11.25	5.4	5	5.8	94.6	0.37	0.82	3.3	0.147	0.89	8.0
I076535		104.5	25.7	<0.002	0.10	14.30	4.1	10	1.6	40.3	0.10	0.66	2.7	0.041	0.48	4.5
I076536		1.4	2.6	<0.002	<0.01	0.06	0.3	1	<0.2	41.0	<0.05	<0.05	<0.2	0.005	<0.02	0.8
I076537		5.5	49.6	0.004	1.62	2.45	2.4	2	4.0	115.5	0.22	0.21	1.2	0.078	0.54	1.2
I076538		4.2	83.6	0.002	2.21	1.79	3.2	2	5.5	109.5	0.50	0.10	3.1	0.142	0.74	2.6
I076539		1.3	2.1	<0.002	0.01	<0.05	0.3	1	<0.2	48.9	<0.05	<0.05	<0.2	0.005	0.02	0.7
I076540		2.7	151.0	<0.002	2.76	1.00	2.9	2	3.4	152.0	0.35	0.09	2.4	0.103	1.07	1.6
I076541		4.7	159.0	<0.002	>10.0	0.57	22.5	2	5.2	26.3	0.63	0.20	2.5	0.440	1.28	0.8
I076542		3.6	266	<0.002	>10.0	0.88	21.9	2	7.8	38.7	0.62	0.55	2.7	0.462	1.39	1.3
I076543		6.5	8.5	<0.002	>10.0	22.2	0.4	4	1.8	66.7	0.05	0.60	0.2	0.009	0.14	1.0
I076544		3.9	430	<0.002	>10.0	0.60	21.1	2	10.5	54.0	1.02	0.44	3.6	0.614	1.98	3.5
I076545		2.9	110.5	<0.002	6.15	0.55	8.3	2	6.0	101.0	0.62	0.07	1.4	0.239	0.47	2.4
I076546		1.7	580	<0.002	2.28	1.87	22.0	2	8.7	73.8	1.80	0.05	7.9	0.696	2.87	3.8
I076547		3.1	208	<0.002	6.87	6.88	19.4	3	10.0	50.2	2.72	0.77	7.8	0.736	1.60	1.4
I076548		1.2	189.5	<0.002	2.66	0.90	9.7	2	11.7	70.8	6.76	0.06	12.4	0.909	1.90	1.3
I076549		4.3	280	<0.002	1.13	0.45	18.3	2	14.1	92.6	5.50	0.06	11.6	1.270	2.89	1.1
I076550		2.6	197.0	<0.002	5.49	0.42	15.8	2	6.2	70.2	4.75	0.06	11.4	0.829	1.49	1.1
I076551		3.5	150.0	<0.002	8.63	0.47	8.1	2	7.6	37.0	7.24	0.08	14.1	0.600	1.00	3.0
I076552		2.2	136.0	<0.002	5.02	0.51	7.5	2	6.7	32.8	4.91	0.07	13.4	0.504	0.89	2.8

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 17- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10104816

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	As- OG62 As % 0.001
I076517		98	32.2	33.7	214	156.5	
I076518		14	690	14.7	31	17.6	
I076519		11	4.7	7.5	24	14.3	
I076520		11	6.9	6.0	53	14.4	
I076521		6	7.5	7.1	74	3.9	
I076522		10	5.3	5.8	113	13.0	
I076523		7	4.8	4.0	132	10.7	
I076524		7	5.2	4.2	157	11.0	
I076525		8	68.9	5.4	67	9.8	
I076526		16	5.5	7.2	66	26.6	
I076527		9	970	6.7	182	5.0	
I076528		21	8.3	3.7	145	54.9	
I076529		16	10.3	7.5	134	18.0	
I076530		14	10.5	8.3	108	12.6	
I076531		22	6.3	10.4	136	28.1	
I076532		31	62.3	22.1	1570	15.5	1.985
I076533		28	80.2	14.9	881	8.9	2.39
I076534		90	439	10.9	1100	109.5	2.05
I076535		43	290	18.6	1580	25.4	2.38
I076536		6	1.2	0.9	23	0.7	
I076537		18	152.5	16.6	20	21.9	
I076538		24	266	15.9	20	43.5	
I076539		5	1.9	1.1	16	0.8	
I076540		19	14.4	13.3	17	33.3	
I076541		152	6.2	9.0	53	17.3	
I076542		179	6.7	7.7	27	40.6	
I076543		6	271	5.1	14	3.8	6.24
I076544		162	9.1	10.7	15	122.0	
I076545		66	5.0	11.5	16	63.8	
I076546		181	3.8	19.7	23	147.0	
I076547		140	9.5	17.0	12	40.5	
I076548		111	8.2	19.0	13	54.8	
I076549		183	4.2	26.9	33	41.2	
I076550		163	5.3	19.5	18	59.8	
I076551		126	6.7	19.3	32	146.5	
I076552		64	6.2	18.7	28	121.5	

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 17- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10104816

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 21- AUG- 2010
Account: RCM

CERTIFICATE VA10104914

Project: RAU

P.O. No.: BATCH 60

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 3- AUG- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- 31	Fine crushing - 70% < 2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
As- OG62	Ore Grade As - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 21- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10104914

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
I076625		4.34	0.10	0.34	1.82	1170	2920	0.97	10.85	14.65	7.96	34.8	11.2	16	2.35	13.9
I076626		7.34	0.06	0.45	6.93	1760	4000	1.89	3.87	3.40	6.44	89.3	17.9	45	7.64	31.3
I076627		6.88	<0.01	0.01	0.10	<5	30	0.10	0.05	21.8	0.08	1.49	1.5	<1	0.69	2.3
I076628		7.16	0.06	0.28	9.19	1110	3310	1.80	1.82	1.01	4.18	179.5	30.6	57	10.10	60.9
I076629		9.72	0.03	0.20	7.96	792	2340	1.98	1.96	0.46	3.21	139.0	20.2	59	11.60	49.2
I076630		5.28	0.04	0.26	6.93	4730	1640	1.52	7.46	0.23	8.92	74.6	32.9	45	7.44	46.9
I076631		4.54	0.02	0.44	6.50	5450	1670	1.92	7.54	0.33	7.11	142.5	29.3	48	12.65	25.9
I076632		0.26	1.37	0.58	5.20	76.6	100	1.36	1.15	1.03	0.13	17.70	23.2	167	29.1	476
I076633		2.50	0.04	1.35	2.99	1720	1260	1.21	2.48	0.27	3.85	21.6	3.4	36	4.09	61.0
I076634		2.32	0.07	0.92	2.95	>10000	3920	1.55	27.2	0.52	26.7	102.0	9.0	43	1.08	117.5
I076635		7.90	0.07	0.95	2.62	>10000	900	1.40	39.6	0.49	22.4	102.5	9.6	23	0.59	121.5
I076636		0.78	0.17	1.67	1.68	>10000	3330	0.98	20.2	0.58	18.60	79.5	14.1	20	0.40	50.7
I076637		2.02	0.04	0.96	1.76	1040	220	0.67	1.15	8.88	11.45	50.6	20.8	17	1.16	28.9
I076638		1.86	0.04	8.19	6.57	821	1930	2.01	0.97	0.47	4.62	56.6	18.2	47	3.71	46.9
I076639		9.40	<0.01	0.25	1.15	59	300	0.46	0.29	18.85	1.15	18.65	18.4	10	0.71	12.9
I076640		0.40	0.15	3.31	1.68	>10000	670	0.68	8.11	0.34	4.94	18.60	10.5	19	2.82	16.1
I076641		2.20	0.16	3.73	2.04	>10000	630	1.45	31.6	0.30	5.61	21.5	11.2	23	6.94	28.2
I076642		1.94	0.37	3.57	2.14	>10000	470	1.33	30.4	0.37	5.85	25.3	11.2	34	6.98	28.3
I076643		0.22	0.33	3.99	1.27	>10000	260	1.19	19.15	0.33	6.40	23.7	11.8	14	3.16	28.9
I076644		1.34	0.50	8.14	1.71	>10000	1240	2.43	243	0.37	8.18	29.0	10.2	32	7.89	54.7
I076645		2.94	0.66	6.62	1.92	>10000	1540	2.04	88.9	0.36	6.34	24.5	8.3	20	1.22	23.3
I076646		0.26	8.69	19.95	5.25	11.2	40	0.80	1.16	1.36	0.04	6.84	8.5	39	46.0	20.1
I076647		3.02	0.97	19.85	1.17	>10000	1370	2.28	153.0	0.31	7.53	22.4	8.6	15	1.18	25.9
I076648		2.74	8.07	22.8	1.61	>10000	1580	3.22	3190	0.37	9.72	16.45	7.8	35	0.98	52.9
I076649		3.44	3.85	18.05	0.99	>10000	1380	0.97	1160	0.27	7.02	15.85	7.8	17	0.39	72.8
I076650		0.46	0.26	6.61	4.81	9330	240	1.78	78.2	0.49	3.11	39.8	12.1	60	0.42	19.5
I076651		3.06	0.63	9.70	1.93	>10000	490	2.28	674	0.33	8.20	41.6	14.9	27	1.49	26.4
I076652		3.96	0.51	6.40	3.48	9520	780	1.65	284	0.29	5.69	58.5	24.7	35	1.98	19.6
I076653		4.94	0.01	0.01	0.07	11	20	0.05	0.28	21.9	0.06	1.54	1.4	<1	0.15	3.5
I076654		2.60	0.17	2.66	5.89	5290	1030	2.04	64.1	0.21	2.34	88.3	17.5	40	3.50	6.6
I076655		0.32	0.18	3.65	3.39	7710	370	1.03	145.5	0.29	2.84	40.0	22.6	28	2.44	8.7
I076656		1.48	0.43	8.61	4.88	9030	1270	1.37	253	0.36	3.88	62.2	29.4	36	4.70	15.4
I076657		1.86	0.25	8.94	1.93	>10000	1420	0.57	171.0	0.35	5.29	35.3	12.3	21	0.36	14.8
I076658		1.42	0.28	8.87	1.45	>10000	2150	0.45	209	0.36	5.42	28.4	9.4	20	0.27	16.0
I076659		1.46	0.47	16.65	0.70	>10000	1560	0.16	480	0.60	8.64	22.6	3.4	9	0.18	9.5
I076660		1.76	0.30	3.67	1.28	3420	140	0.20	221	0.16	1.13	17.15	0.6	24	0.52	2.2

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 21- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10104914

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I076625		9.90	5.25	0.20	1.0	0.031	0.60	21.6	10.3	10.20	872	0.90	0.04	6.2	21.0	730
I076626		15.30	23.2	0.46	1.1	0.095	3.25	46.2	23.5	3.29	467	0.81	0.08	8.6	70.5	1710
I076627		0.54	0.49	0.31	<0.1	<0.005	0.05	0.8	1.3	13.55	235	0.20	0.01	0.5	1.5	200
I076628		15.10	28.4	0.54	1.7	0.132	4.00	92.4	32.0	3.32	525	0.57	0.08	8.3	107.5	2530
I076629		16.45	29.0	0.50	1.7	0.114	3.73	72.3	18.8	2.63	633	0.45	0.07	7.4	90.6	2400
I076630		29.2	21.2	0.78	0.5	0.155	2.60	32.3	8.6	0.39	1960	0.47	0.07	3.8	108.0	2090
I076631		29.1	18.80	1.10	0.4	0.227	2.69	68.8	8.8	0.39	2140	0.47	0.05	17.9	94.4	2620
I076632		2.14	14.40	0.05	1.5	0.045	3.70	10.8	8.6	0.40	309	4.95	1.23	2.5	489	460
I076633		11.70	10.80	0.18	0.3	0.154	1.04	9.6	12.6	0.15	721	0.24	0.02	13.6	20.3	1440
I076634		45.1	11.65	1.60	0.3	0.844	0.31	44.6	3.6	0.16	2310	1.53	0.03	1.5	26.4	2970
I076635		47.2	8.60	1.40	0.3	0.451	0.39	48.1	3.2	0.20	2600	2.11	0.02	2.0	26.3	2030
I076636		>50	7.32	1.49	0.2	0.367	0.10	37.6	0.9	0.15	2160	3.57	0.02	1.3	45.7	2310
I076637		26.8	4.37	0.57	0.6	0.019	0.43	29.9	1.5	4.80	2280	2.59	0.01	4.6	47.8	740
I076638		18.85	22.9	0.42	0.8	0.061	2.74	36.0	7.5	0.61	747	8.35	0.08	4.6	45.6	1670
I076639		6.42	4.60	0.13	0.5	0.026	0.51	14.1	2.8	8.09	1480	0.77	0.01	4.9	28.3	770
I076640		49.2	7.88	0.76	0.5	0.047	0.33	10.5	2.7	1.03	3750	1.75	0.03	2.5	40.4	630
I076641		>50	8.62	1.11	0.7	0.274	0.77	13.9	4.5	0.40	3340	2.43	0.01	3.2	43.2	620
I076642		45.0	10.25	1.37	1.0	0.131	0.53	15.8	5.0	1.66	2510	1.77	0.02	3.6	55.2	700
I076643		>50	6.72	1.13	0.5	0.155	0.28	14.9	2.7	0.69	3230	1.88	0.03	2.2	57.8	530
I076644		>50	7.43	1.58	0.6	0.232	0.45	16.5	5.7	0.59	1600	2.48	0.03	2.6	55.7	480
I076645		40.8	12.90	1.36	1.0	0.094	0.10	15.1	2.9	4.93	1200	1.75	0.09	2.8	46.9	500
I076646		2.11	14.50	0.14	0.8	0.020	3.56	2.6	10.2	0.62	306	16.00	1.15	1.9	14.4	660
I076647		46.0	9.09	1.22	0.6	0.331	0.16	12.9	2.0	1.69	1760	1.54	0.03	2.0	34.6	490
I076648		>50	12.25	1.70	1.4	0.453	0.38	8.6	1.7	0.46	1160	3.42	0.07	1.7	45.0	690
I076649		45.0	7.28	1.17	0.8	0.161	0.08	8.6	0.6	0.86	873	4.28	0.08	1.6	39.4	660
I076650		26.0	37.0	0.49	4.4	0.058	0.04	25.8	4.1	4.16	773	1.80	0.34	14.8	44.5	670
I076651		41.8	14.05	1.35	1.4	0.068	0.28	26.5	1.7	1.62	471	2.85	0.09	2.1	50.7	840
I076652		39.5	20.6	1.56	1.4	0.068	1.00	34.6	2.6	0.82	403	4.33	0.12	4.3	79.8	870
I076653		0.54	0.30	<0.05	<0.1	0.006	0.03	0.8	0.9	13.45	207	0.11	0.01	0.3	0.3	200
I076654		19.05	28.1	0.38	1.2	0.065	2.09	51.2	5.5	0.57	205	2.37	0.11	3.8	54.2	620
I076655		29.5	19.25	0.54	1.4	0.071	0.71	24.5	2.8	0.77	324	4.71	0.16	4.1	70.6	840
I076656		28.0	28.6	0.58	2.6	0.100	1.04	38.6	3.6	1.00	277	3.20	0.21	5.5	66.6	1050
I076657		36.7	11.95	0.79	1.3	0.144	0.07	21.5	1.3	1.01	404	11.75	0.16	2.4	44.6	1090
I076658		38.8	9.25	0.79	1.0	0.162	0.04	15.9	0.9	0.78	471	13.40	0.12	1.7	42.4	1180
I076659		45.7	4.70	1.05	0.7	0.151	0.04	12.5	0.5	0.75	419	17.20	0.05	1.2	16.8	1140
I076660		8.62	9.27	0.19	0.4	0.016	0.02	11.0	1.4	0.57	94	16.05	0.13	0.9	2.5	220

***** See Appendix Page for comments regarding this certificate *****

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 21- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10104914

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I076625		39.5	32.3	0.005	0.05	1.32	3.8	4	0.8	93.9	0.39	0.05	1.8	0.151	0.26	2.6
I076626		19.6	113.0	0.007	0.18	1.74	15.4	4	1.5	34.7	0.55	<0.05	4.2	0.363	0.74	2.3
I076627		1.2	4.9	<0.002	0.01	<0.05	0.4	2	0.2	41.0	<0.05	<0.05	<0.2	0.005	0.03	0.7
I076628		6.0	142.0	0.006	0.44	1.55	20.6	4	1.7	118.0	0.54	<0.05	6.0	0.411	0.97	2.9
I076629		5.2	116.5	0.005	0.60	1.51	19.2	3	1.7	105.5	0.47	<0.05	5.0	0.431	0.81	3.3
I076630		4.5	88.2	0.005	0.08	0.79	16.6	3	1.1	33.0	0.29	0.05	3.9	0.260	0.65	2.6
I076631		35.9	172.0	0.004	0.20	2.54	18.5	5	2.0	78.5	1.29	<0.05	4.9	0.864	1.53	2.9
I076632		175.5	960	<0.002	0.31	2.43	3.4	2	3.3	53.2	2.35	0.17	2.3	0.084	8.33	0.8
I076633		16.2	69.1	0.003	0.15	4.89	5.8	3	3.4	1785	0.81	<0.05	3.3	0.464	0.69	2.3
I076634		35.8	17.1	0.009	0.17	5.82	13.7	7	0.9	118.5	0.06	0.23	2.2	0.030	1.33	7.7
I076635		15.3	16.0	0.004	0.13	2.20	10.0	5	0.4	74.2	0.09	0.19	2.5	0.038	0.52	7.9
I076636		75.9	6.7	0.009	0.12	2.04	6.1	6	0.2	34.4	<0.05	0.20	1.4	0.009	0.28	8.1
I076637		250	25.0	0.003	0.02	5.30	3.5	4	0.3	24.5	0.29	<0.05	1.3	0.113	0.32	3.3
I076638		32.9	98.8	0.004	0.11	2.39	12.7	3	1.5	23.1	0.28	0.09	2.3	0.204	0.91	3.2
I076639		27.1	27.0	0.002	0.39	0.76	2.6	3	0.8	58.6	0.31	0.05	1.0	0.123	0.14	0.9
I076640		158.5	22.4	0.002	0.03	20.2	3.2	2	1.3	13.6	0.14	0.16	1.9	0.106	0.30	3.7
I076641		430	86.8	0.004	0.02	32.9	4.4	3	8.5	13.5	0.19	0.07	2.3	0.098	0.64	4.5
I076642		374	57.0	0.005	0.02	29.9	6.3	3	3.2	12.4	0.19	0.18	2.2	0.129	0.58	3.6
I076643		378	30.5	0.003	0.02	29.5	4.3	3	2.9	11.7	0.12	0.17	1.4	0.064	0.36	4.0
I076644		1275	45.6	0.014	0.04	93.3	5.9	6	3.4	19.2	0.13	0.66	2.0	0.101	0.64	9.8
I076645		750	15.4	0.011	0.05	74.8	4.2	7	2.9	22.3	0.15	0.47	2.0	0.098	0.34	9.7
I076646		6.9	1600	<0.002	0.03	0.80	6.7	1	1.1	56.7	0.22	<0.05	0.7	0.262	13.40	0.3
I076647		1030	28.7	0.015	0.12	71.6	4.1	7	7.5	16.9	0.11	0.52	1.3	0.057	0.42	7.7
I076648		1400	38.3	0.018	0.07	135.5	6.3	10	12.3	23.4	0.09	6.74	2.0	0.037	0.55	11.7
I076649		747	7.4	0.010	0.09	51.4	3.9	14	3.1	21.7	0.06	2.56	1.5	0.027	0.26	6.6
I076650		184.0	2.7	0.006	0.07	31.9	11.9	4	8.3	63.8	0.98	0.59	9.2	0.460	0.31	10.1
I076651		625	22.9	0.017	0.07	93.8	7.1	7	3.3	45.2	0.10	2.21	2.3	0.061	0.50	13.0
I076652		264	59.5	0.006	0.06	35.5	10.2	5	7.1	22.3	0.23	1.21	3.8	0.139	0.46	5.6
I076653		1.5	1.3	<0.002	0.01	0.05	0.3	1	<0.2	45.9	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
I076654		37.0	110.0	0.002	0.04	4.34	11.8	3	13.8	28.8	0.21	0.20	4.7	0.173	0.59	2.9
I076655		106.0	47.2	0.002	0.03	8.47	7.0	4	13.3	23.1	0.23	0.43	2.8	0.151	0.41	3.8
I076656		68.2	69.2	0.003	0.10	7.17	10.1	8	18.0	57.2	0.32	0.66	4.3	0.226	0.65	5.0
I076657		474	5.6	0.006	0.10	25.5	5.6	5	8.8	50.0	0.11	0.71	2.5	0.075	0.37	4.1
I076658		521	3.0	0.007	0.10	37.4	5.7	4	4.5	36.1	0.07	0.79	2.4	0.044	0.36	4.0
I076659		1765	2.0	0.006	0.12	73.5	2.8	23	3.0	42.3	<0.05	1.25	1.9	0.022	0.55	5.8
I076660		323	1.8	0.003	0.04	8.35	0.9	6	3.7	19.1	0.05	0.55	0.4	0.031	0.19	1.1

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CERTIFICATE OF ANALYSIS VA10104914

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	As- OG62
	Analyte	V	W	Y	Zn	Zr	As
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
I076625		48	15.4	16.8	1100	37.0	
I076626		147	12.1	16.5	909	41.2	
I076627		3	0.1	0.9	18	<0.5	
I076628		241	8.1	28.0	1240	65.2	
I076629		201	6.2	19.7	996	64.3	
I076630		162	10.6	23.6	1450	15.9	
I076631		180	48.8	32.1	1780	15.8	
I076632		22	8.1	3.9	145	59.5	
I076633		85	145.0	10.7	2520	10.3	
I076634		76	45.9	40.3	5040	9.3	1.595
I076635		38	39.5	40.5	3080	9.5	1.670
I076636		34	22.2	34.5	4210	3.7	1.740
I076637		43	6.0	28.9	3570	18.4	
I076638		120	17.3	19.2	1580	30.0	
I076639		35	1.3	11.0	273	17.5	
I076640		24	226	20.9	3830	28.0	1.400
I076641		36	420	19.2	4080	29.4	1.350
I076642		47	376	17.3	4700	34.8	1.160
I076643		32	460	18.0	4310	19.9	1.225
I076644		47	1400	17.0	5560	19.5	1.290
I076645		50	1220	14.7	5250	38.5	1.060
I076646		55	0.4	8.9	32	37.9	
I076647		33	1400	16.2	5340	24.6	1.220
I076648		59	1670	14.9	6410	47.6	1.330
I076649		38	810	9.0	3220	27.9	0.987
I076650		159	490	13.4	2620	169.5	
I076651		62	1780	12.4	5020	54.1	1.115
I076652		96	510	10.4	2380	55.5	
I076653		2	0.7	0.9	20	<0.5	
I076654		169	46.3	5.7	604	47.9	
I076655		84	65.8	5.4	1020	56.5	
I076656		120	50.2	6.8	808	105.0	
I076657		139	92.9	8.1	1690	49.6	1.090
I076658		149	103.5	9.2	1940	41.0	1.175
I076659		103	202	5.8	1890	35.5	2.12
I076660		150	45.2	0.4	104	16.4	

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Project: RAU

CERTIFICATE OF ANALYSIS VA10104914

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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Finalized Date: 21- AUG- 2010
Account: RCM

CERTIFICATE VA10104915

Project: RAU

P.O. No.: BATCH 59

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 3- AUG- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- 31	Fine crushing - 70% < 2mm
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
Ag- OG62	Ore Grade Ag - Four Acid	VARIABLE
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
As- OG62	Ore Grade As - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 21- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10104915

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
I076589		3.54	<0.01	0.20	6.03	42	1170	1.36	0.19	17.45	0.32	90.7	44.5	39	14.90	21.3
I076590		5.42	<0.01	0.08	6.50	21	310	1.07	0.16	14.55	0.14	106.5	59.0	39	9.68	41.7
I076591		5.40	<0.01	0.07	5.18	26	330	0.67	0.14	17.10	0.20	88.2	48.4	30	4.58	28.2
I076592		4.84	<0.01	0.10	5.40	28	960	0.97	0.17	18.25	0.13	74.4	36.9	33	5.58	32.0
I076593		4.00	0.03	0.29	5.82	68	280	0.99	4.83	11.35	1.02	96.0	50.2	31	20.9	27.4
I076594		0.26	0.44	1.68	0.15	6040	50	0.05	78.3	15.95	2.60	15.90	1.7	6	0.41	16.3
I076595		5.00	0.03	2.68	0.33	188	330	0.16	22.7	19.45	0.98	5.88	3.4	5	0.78	3.9
I076596		4.32	<0.01	1.22	0.05	20	60	0.14	0.24	20.9	0.61	2.00	1.0	3	0.18	3.0
I076597		2.52	0.02	0.45	1.44	592	280	0.28	2.40	31.3	1.93	15.45	6.5	29	3.21	13.1
I076598		2.68	0.04	0.56	0.74	447	210	0.26	1.98	34.5	5.39	15.25	4.1	14	1.14	6.2
I076599		2.00	0.76	8.42	4.07	>10000	1270	1.50	357	1.59	20.9	44.1	18.2	85	10.55	103.5
I076600		5.08	0.02	0.01	0.10	7	20	0.07	0.09	21.4	0.08	1.55	1.3	9	0.22	3.8
I076601		3.50	1.74	13.50	0.40	>10000	1870	0.34	1050	0.60	14.35	14.10	4.3	15	0.56	34.5
I076602		2.18	0.79	21.6	0.86	>10000	3230	0.35	184.5	0.50	7.13	11.50	4.2	17	1.21	31.7
I076603		3.62	1.04	19.90	0.87	>10000	6170	0.66	324	0.46	6.64	10.90	6.8	16	1.27	39.4
I076604		0.26	0.37	6.95	5.26	1.6	70	1.13	1.35	1.32	0.03	20.2	8.2	30	20.5	12.6
I076605		3.38	0.34	11.50	2.18	>10000	1740	1.40	80.7	0.45	7.04	25.3	8.4	30	4.19	32.9
I076606		1.40	0.32	11.90	2.40	>10000	1410	1.22	37.6	0.36	5.60	25.6	11.6	29	4.28	18.0
I076607		5.86	0.16	13.15	1.68	>10000	870	1.24	55.1	0.35	6.53	27.8	11.7	23	6.09	21.2
I076608		1.34	0.44	8.43	1.74	>10000	600	1.54	87.4	0.35	6.20	24.7	9.9	25	5.16	39.9
I076609		0.62	0.43	7.13	2.32	>10000	600	1.76	94.2	0.35	5.64	25.2	10.3	34	8.16	42.7
I076610		0.28	0.09	7.09	0.72	>10000	250	0.83	16.80	0.25	4.47	18.25	9.6	11	3.04	18.1
I076611		3.44	0.14	4.57	3.02	>10000	2110	1.22	14.40	0.37	5.20	25.9	14.3	33	4.65	19.1
I076612		3.40	1.80	4.07	2.94	>10000	2050	1.05	1195	0.96	35.5	131.0	3.4	119	4.74	63.6
I076613		3.14	0.77	2.51	2.87	>10000	1580	1.11	821	0.93	37.5	93.7	4.5	96	4.12	89.6
I076614		3.70	1.01	3.91	2.07	>10000	1690	0.97	559	0.98	27.3	55.4	4.5	60	1.45	130.0
I076615		2.88	1.77	10.15	1.00	>10000	1140	0.47	1000	0.69	18.25	28.1	2.0	34	0.97	66.2
I076616		0.74	2.98	>100	2.84	7930	3710	0.53	502	1.40	2.20	175.0	6.5	59	0.60	203
I076617		1.14	0.91	>100	0.99	>10000	4780	0.38	171.5	19.25	3.23	26.7	4.1	15	1.79	381
I076618		3.16	1.51	6.44	0.40	4280	430	0.17	30.1	20.4	1.29	10.00	2.2	6	1.39	7.5
I076619		3.46	0.32	1.74	0.15	1460	100	0.12	5.03	21.2	0.34	6.57	1.6	1	0.67	2.2
I076620		1.84	6.92	8.16	0.47	>10000	1150	0.25	225	3.82	3.61	24.7	2.5	3	0.46	8.6
I076621		7.90	0.01	0.05	0.07	49	20	0.05	0.36	20.7	0.07	1.23	1.3	<1	0.18	1.8
I076622		3.76	7.57	15.00	0.51	>10000	2170	0.11	514	1.84	2.62	11.35	1.4	4	0.95	5.9
I076623		1.90	1.35	54.1	0.97	>10000	430	0.24	52.5	0.55	2.70	29.1	6.9	17	0.99	10.6
I076624		8.08	0.42	2.10	1.99	2030	1360	0.90	12.70	12.65	7.69	31.0	5.4	19	3.59	6.7

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CERTIFICATE OF ANALYSIS VA10104915

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I076589		4.83	17.60	0.23	0.5	0.078	2.56	41.7	11.9	1.63	898	0.21	0.14	32.7	94.3	2220
I076590		5.94	20.5	0.26	0.5	0.096	2.95	49.4	11.1	1.59	625	0.19	0.13	30.6	119.5	2450
I076591		5.62	15.30	0.22	0.4	0.070	2.43	41.7	6.7	1.36	693	0.11	0.05	15.5	97.5	2380
I076592		3.77	15.60	0.10	1.2	0.062	2.57	36.0	15.8	1.52	753	0.27	0.07	23.4	88.0	2140
I076593		7.55	19.45	0.27	1.3	0.146	2.85	43.5	16.3	4.36	824	0.35	0.05	15.0	103.0	2470
I076594		11.10	1.41	0.24	0.1	0.146	0.07	6.3	1.3	8.64	4670	2.35	0.01	1.2	7.2	150
I076595		2.61	1.39	0.08	0.2	0.066	0.13	2.9	2.0	12.10	919	0.63	0.02	1.1	9.2	160
I076596		0.28	0.32	0.10	<0.1	0.008	0.02	1.1	3.2	13.10	401	1.14	0.01	0.3	2.0	20
I076597		1.69	3.52	0.08	0.4	0.039	0.54	9.2	6.6	0.75	690	0.42	0.01	3.7	26.1	170
I076598		1.33	2.17	0.07	0.4	0.035	0.21	11.3	3.4	0.47	842	0.37	0.01	3.6	13.5	230
I076599		32.8	11.90	0.80	0.9	0.307	1.36	22.4	17.1	1.23	4220	5.07	0.04	4.5	94.8	670
I076600		0.47	0.27	<0.05	<0.1	<0.005	0.03	0.8	1.3	12.75	201	0.15	0.01	0.4	5.6	220
I076601		>50	2.14	1.10	0.2	0.392	0.13	6.0	0.4	0.12	1560	6.18	0.02	1.0	23.2	340
I076602		>50	4.08	1.09	0.4	0.245	0.38	5.2	0.9	0.18	1240	4.59	0.04	1.4	25.1	280
I076603		>50	5.03	1.16	0.4	0.222	0.32	5.7	0.8	0.14	1300	4.31	0.11	1.7	36.3	340
I076604		2.12	15.00	0.13	1.6	0.022	3.70	11.1	8.4	0.63	291	9.48	1.27	2.3	7.8	450
I076605		42.5	9.06	1.17	0.8	0.182	0.66	13.9	3.7	0.36	2290	2.24	0.03	2.2	45.3	470
I076606		43.7	10.50	1.25	1.0	0.142	0.68	13.8	5.9	0.61	3320	1.64	0.03	2.6	49.7	450
I076607		47.0	7.28	1.10	0.6	0.147	0.59	15.0	3.1	0.38	2990	2.27	0.02	2.1	48.4	600
I076608		46.7	7.82	1.21	0.7	0.415	0.51	12.5	4.0	0.66	2950	2.21	0.02	2.4	50.7	620
I076609		43.1	9.69	1.23	0.8	0.420	0.73	12.7	5.7	0.73	2460	2.07	0.02	3.1	55.3	640
I076610		40.3	3.80	0.80	0.4	0.090	0.20	9.7	1.9	0.22	2920	1.78	0.02	1.6	43.9	440
I076611		41.5	13.70	1.19	1.4	0.100	0.74	13.7	7.6	1.63	3430	1.67	0.03	4.8	55.2	690
I076612		39.9	24.5	1.08	1.4	1.660	0.50	64.6	9.8	0.16	647	1.62	0.03	2.4	22.4	1530
I076613		41.5	21.8	1.06	1.3	1.615	0.54	44.8	10.6	0.22	907	1.65	0.03	2.5	25.6	1220
I076614		43.7	15.40	1.13	0.7	1.030	0.36	27.7	7.6	0.17	1100	1.78	0.03	3.4	19.4	1050
I076615		35.9	9.04	0.84	0.6	0.429	0.19	14.3	2.2	0.08	614	1.81	0.02	1.9	8.7	690
I076616		17.55	19.45	0.48	1.9	0.077	0.09	110.5	3.6	1.14	457	31.8	0.27	5.0	33.6	270
I076617		19.70	6.90	0.44	0.7	0.146	0.24	14.5	2.0	0.83	4470	214	0.06	2.4	16.8	390
I076618		7.12	2.33	0.13	0.2	0.063	0.13	5.7	2.7	8.32	1990	3.34	0.01	1.4	5.2	210
I076619		2.89	0.90	<0.05	0.1	0.032	0.05	3.9	2.7	10.65	1540	3.22	0.01	0.7	1.7	150
I076620		33.7	2.89	0.55	0.4	0.199	0.07	11.7	3.2	2.71	2370	2.03	0.02	2.1	7.2	340
I076621		0.49	0.27	0.16	<0.1	0.005	0.03	0.6	1.0	12.35	212	0.07	0.01	0.2	<0.2	180
I076622		33.8	3.33	0.60	0.7	0.150	0.11	5.7	2.6	0.69	1370	6.30	0.05	2.6	5.8	270
I076623		48.3	7.98	0.99	1.1	0.077	0.12	16.6	1.3	0.88	1400	11.10	0.03	3.0	24.8	870
I076624		13.95	7.49	0.26	1.1	0.048	0.61	14.9	6.9	8.40	1350	1.91	0.05	4.9	16.8	860

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Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I076589		27.0	111.5	0.002	0.23	5.00	11.3	3	1.6	115.5	1.95	<0.05	4.0	1.210	1.24	0.5
I076590		4.2	84.8	<0.002	3.99	0.98	12.3	3	1.8	130.5	1.75	<0.05	4.1	0.971	0.53	0.3
I076591		4.4	67.7	<0.002	5.27	1.69	9.1	2	1.2	144.0	0.92	<0.05	3.1	0.516	0.41	0.2
I076592		5.0	66.1	<0.002	2.29	3.20	10.3	2	1.2	118.5	1.35	<0.05	3.1	0.757	0.46	1.2
I076593		5.1	179.5	<0.002	6.37	2.13	10.5	2	3.1	62.4	0.85	0.08	3.7	0.547	1.90	1.2
I076594		112.5	5.0	0.002	9.03	3.84	0.5	2	3.9	113.5	<0.05	0.14	0.8	0.013	0.09	0.4
I076595		130.5	14.2	0.005	2.83	1.20	0.8	2	2.0	74.0	0.06	<0.05	0.2	0.031	0.22	1.8
I076596		19.0	2.0	<0.002	0.08	0.38	0.3	3	0.2	60.9	<0.05	<0.05	<0.2	<0.005	0.05	1.5
I076597		124.5	31.5	<0.002	<0.01	2.70	3.5	3	1.4	95.5	0.21	<0.05	1.4	0.113	0.52	0.8
I076598		37.3	10.5	<0.002	<0.01	1.34	2.3	3	0.5	64.0	0.19	0.07	0.9	0.083	0.24	0.7
I076599		690	82.0	0.009	0.05	57.1	8.4	4	3.4	29.6	0.22	0.27	3.7	0.187	2.19	6.2
I076600		3.0	1.9	<0.002	<0.01	0.06	0.2	1	<0.2	42.0	<0.05	<0.05	<0.2	<0.005	<0.02	1.0
I076601		556	7.0	0.008	0.10	93.4	0.8	7	0.7	20.8	<0.05	1.27	0.5	0.017	0.32	6.2
I076602		492	20.9	0.010	0.13	80.1	1.7	26	1.0	22.2	0.05	0.37	0.9	0.035	0.48	4.3
I076603		995	24.6	0.005	0.20	116.5	2.1	48	1.1	32.4	0.06	0.64	1.3	0.063	0.52	7.7
I076604		13.9	760	<0.002	0.01	0.72	7.6	2	1.1	57.8	0.23	<0.05	1.4	0.249	6.10	0.7
I076605		539	35.6	0.008	0.07	50.3	4.0	6	1.2	22.4	0.09	0.25	2.2	0.059	0.59	6.4
I076606		218	38.0	0.003	0.05	24.4	3.8	5	1.7	21.0	0.12	0.15	2.3	0.075	0.52	4.4
I076607		493	39.9	0.014	0.03	51.8	3.6	5	1.6	16.9	0.09	0.17	1.8	0.061	0.66	5.6
I076608		491	28.7	0.012	0.02	50.3	4.1	4	27.5	13.1	0.10	0.24	2.0	0.069	0.54	5.5
I076609		582	46.9	0.011	0.02	55.3	4.8	4	29.1	14.1	0.14	0.23	2.5	0.096	0.69	5.8
I076610		221	12.4	0.005	0.01	20.5	3.3	3	1.3	10.0	0.05	0.14	0.9	0.036	0.28	2.8
I076611		224	41.4	0.005	0.05	25.3	4.6	3	2.6	18.9	0.23	0.16	3.2	0.136	0.61	4.0
I076612		901	38.7	0.010	0.12	93.2	8.9	9	2.8	303	0.10	3.84	8.4	0.084	0.72	8.3
I076613		581	42.0	0.009	0.08	80.1	9.7	6	2.1	203	0.11	2.56	6.0	0.069	0.80	8.1
I076614		346	22.3	0.002	0.14	45.1	11.2	8	1.7	181.0	0.18	1.35	3.9	0.045	0.55	7.0
I076615		601	11.5	0.003	0.16	43.3	5.6	13	1.6	117.0	0.08	1.57	2.3	0.031	0.67	4.9
I076616		635	8.9	0.015	0.16	22.1	4.0	12	4.9	211	0.31	2.35	1.6	0.108	0.37	3.9
I076617		141.0	29.1	0.029	0.16	9.03	2.9	6	1.9	83.8	0.14	0.47	0.5	0.050	0.94	2.9
I076618		17.0	12.4	0.003	0.02	2.29	1.2	2	0.5	56.5	0.07	0.10	0.3	0.026	0.31	1.1
I076619		4.8	5.7	<0.002	0.02	1.04	0.5	2	0.2	51.6	<0.05	<0.05	0.2	0.011	0.11	0.4
I076620		43.8	5.0	0.002	0.14	21.5	2.6	7	0.9	133.5	<0.05	0.90	0.4	0.019	0.82	9.1
I076621		1.3	1.8	<0.002	0.01	0.05	0.4	2	<0.2	40.1	<0.05	<0.05	<0.2	<0.005	<0.02	0.7
I076622		6400	9.9	<0.002	0.53	27.5	1.9	18	1.0	138.5	0.09	1.15	0.5	0.025	0.50	8.4
I076623		807	17.6	0.005	0.14	9.83	2.2	8	1.6	18.5	0.11	0.61	1.9	0.085	0.38	5.8
I076624		98.9	62.7	0.003	0.14	1.86	3.1	3	2.0	82.3	0.29	0.21	1.2	0.113	0.42	3.3

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CERTIFICATE OF ANALYSIS VA10104915

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Ag- OG62 Ag ppm 1	As- OG62 As % 0.001
I076589		148	6.2	16.8	111	14.1		
I076590		151	0.5	18.5	64	16.0		
I076591		116	0.8	14.6	83	13.9		
I076592		135	9.9	14.7	83	47.4		
I076593		126	13.9	16.1	140	51.7		
I076594		9	132.0	6.6	431	3.4		
I076595		19	1.9	2.1	184	5.7		
I076596		5	2.2	0.9	149	<0.5		
I076597		21	6.5	9.0	611	15.1		
I076598		15	12.1	11.9	566	14.0		
I076599		81	430	24.5	5540	35.1		1.050
I076600		5	0.2	0.9	24	0.6		
I076601		30	500	13.0	3650	5.8		1.985
I076602		32	460	10.0	4070	15.5		1.635
I076603		28	1100	10.1	4460	25.6		1.645
I076604		53	0.4	10.8	26	55.2		
I076605		46	470	18.1	4230	30.3		1.640
I076606		43	217	19.3	4300	36.4		1.515
I076607		38	590	20.6	4880	24.3		1.440
I076608		37	630	20.6	5210	25.3		1.370
I076609		45	690	20.0	5220	32.1		1.315
I076610		22	245	16.4	3150	13.7		1.100
I076611		52	252	19.4	4100	49.7		1.220
I076612		104	348	38.2	2250	57.7		3.50
I076613		94	277	49.6	2430	51.8		3.36
I076614		66	204	35.6	1930	29.5		3.42
I076615		38	225	14.4	1530	19.2		2.72
I076616		60	1030	6.7	475	69.9	119	
I076617		21	1800	13.5	533	26.8	355	0.988
I076618		8	134.0	8.4	199	10.1		
I076619		4	22.2	4.9	79	4.0		
I076620		13	126.0	16.1	470	12.2		6.41
I076621		3	0.4	0.8	14	<0.5		
I076622		16	120.0	6.6	451	30.7		6.33
I076623		39	132.5	12.9	1370	40.6		1.315
I076624		47	23.7	17.9	778	40.1		

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 21- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10104915

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 15- AUG- 2010
Account: RCM

CERTIFICATE VA10104917

Project: OCELOT

P.O. No.: Op A

This report is for 176 Soil samples submitted to our lab in Vancouver, BC, Canada on 3- AUG- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
PUL- 31	Pulverize split to 85% < 75 um
LOG- 21	Sample logging - ClientBarCode
PUL- QC	Pulverizing QC Test
SCR- 43	Screen to - 500um, discard plus
SCR- 01	Screen - Save plus fraction

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 15- AUG- 2010
Account: RCM

Project: OCELOT

CERTIFICATE OF ANALYSIS VA10104917

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC81201		0.26	0.001	0.2	1.93	15	<10	350	0.6	<2	2.66	<0.5	15	51	41	3.56
CC81202		0.26	0.001	0.2	1.47	16	<10	350	<0.5	<2	4.87	0.6	12	38	28	3.00
CC81203		0.18	0.001	0.4	0.64	8	<10	260	<0.5	<2	12.4	1.2	6	15	16	1.24
CC81204		0.20	<0.001	0.3	1.51	19	<10	470	0.5	<2	4.73	0.8	13	40	28	3.13
CC81205		0.22	0.001	0.4	2.15	37	<10	390	0.8	2	4.41	2.0	12	47	24	3.64
CC81206		0.14	0.001	0.3	1.57	14	<10	570	0.6	<2	1.86	<0.5	13	35	31	3.07
CC81207		0.30	0.008	0.2	1.63	10	<10	270	0.5	<2	4.43	0.6	15	49	37	3.34
CC81208		0.18	<0.001	<0.2	1.52	7	<10	200	<0.5	<2	2.39	0.5	14	46	36	2.88
CC81209		0.22	<0.001	0.4	1.48	4	<10	90	<0.5	<2	10.8	<0.5	12	44	44	2.65
CC81210		0.26	<0.001	0.2	1.45	9	<10	110	<0.5	<2	11.5	<0.5	13	42	36	2.77
CC81211		0.26	<0.001	<0.2	1.53	6	<10	210	<0.5	<2	9.4	<0.5	13	44	38	2.60
CC81212		0.22	<0.001	0.3	0.78	3	<10	80	<0.5	<2	15.3	<0.5	9	14	23	2.52
CC81213		0.16	0.002	0.3	1.35	2	<10	280	0.5	<2	1.20	1.0	9	26	35	1.67
CC81214		0.18	<0.001	<0.2	2.49	9	<10	200	0.7	<2	2.11	<0.5	15	56	28	3.57
CC81215		0.24	<0.001	0.3	1.47	13	<10	180	0.6	<2	4.80	0.5	13	25	51	3.03
CC81216		0.26	<0.001	<0.2	1.27	12	<10	200	0.5	<2	5.54	<0.5	11	24	35	2.63
CC81217		0.24	<0.001	<0.2	1.20	10	<10	150	0.5	<2	5.72	0.6	11	21	29	2.61
CC81218		0.24	0.001	0.3	1.39	6	<10	300	0.5	<2	6.16	0.8	12	35	39	2.43
CC81219		0.32	0.002	0.2	1.61	11	<10	320	0.5	<2	4.51	0.7	14	44	40	3.22
CC81220		0.24	0.001	0.3	1.33	10	<10	710	0.5	<2	6.27	<0.5	8	23	14	2.26
CC81221		0.20	0.001	0.4	2.38	12	<10	690	0.9	<2	0.92	0.6	15	54	28	4.21
CC81222		0.24	0.002	0.3	1.74	11	<10	350	0.6	<2	4.23	0.7	13	36	41	3.70
CC81223		0.32	<0.001	<0.2	1.58	9	<10	1180	<0.5	<2	11.2	0.6	14	46	39	3.13
CC81224		0.24	<0.001	<0.2	1.80	5	<10	190	<0.5	<2	4.39	<0.5	16	62	39	3.39
CC81225		0.40	0.002	<0.2	1.12	3	<10	80	<0.5	<2	19.0	<0.5	7	25	21	1.87
CC81226		0.30	0.001	<0.2	1.21	7	<10	90	<0.5	<2	15.2	<0.5	8	33	19	1.98
CC81227		0.16	<0.001	<0.2	1.38	5	<10	130	0.5	<2	5.36	<0.5	10	24	22	2.64
CC81228		0.32	<0.001	<0.2	0.83	3	<10	80	<0.5	<2	19.4	<0.5	6	14	19	1.48
CC81229		0.20	0.001	0.2	1.42	7	<10	150	0.5	<2	3.86	<0.5	11	27	38	3.04
CC81230		0.22	<0.001	<0.2	1.41	7	<10	140	<0.5	<2	6.27	<0.5	11	34	35	2.65
CC81231		0.18	0.001	0.3	1.45	7	<10	300	0.6	<2	2.12	0.6	11	26	32	2.76
CC81232		0.26	0.001	0.3	1.45	8	<10	220	0.5	<2	5.71	<0.5	9	25	29	2.71
CC81233		0.28	<0.001	<0.2	1.30	9	<10	230	0.5	<2	6.37	<0.5	10	25	31	2.66
CC81234		0.24	<0.001	<0.2	1.54	6	<10	180	<0.5	<2	8.8	<0.5	12	37	34	2.77
CC81235		0.28	<0.001	<0.2	1.69	11	<10	210	0.6	<2	3.53	<0.5	13	40	42	3.34
CC81236		0.26	0.001	0.3	2.38	15	<10	480	0.9	<2	4.10	<0.5	16	60	56	4.09
CC81237		0.22	<0.001	0.2	1.83	13	<10	270	0.7	<2	1.02	<0.5	11	38	21	3.43
CC81238		0.22	0.001	<0.2	1.80	10	<10	310	0.7	<2	0.93	<0.5	14	40	33	3.62
CC81239		0.24	<0.001	0.2	4.52	6	<10	390	0.6	<2	1.61	0.8	41	261	69	6.87
CC81240		0.26	<0.001	<0.2	2.00	<2	<10	170	<0.5	<2	11.7	<0.5	14	55	39	3.18

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 15- AUG- 2010
Account: RCM

Project: OCELOT

CERTIFICATE OF ANALYSIS VA10104917

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC81201		<10	1	0.10	10	2.22	759	1	0.02	51	630	33	0.03	<2	5	26
CC81202		<10	<1	0.11	10	3.31	728	1	0.02	37	600	36	0.03	2	3	33
CC81203		<10	1	0.06	<10	7.57	544	1	0.02	12	600	52	0.07	2	1	59
CC81204		<10	1	0.09	10	3.15	851	1	0.02	42	740	46	0.05	3	3	34
CC81205		<10	1	0.06	20	3.28	1400	<1	0.02	44	460	78	0.03	3	5	31
CC81206		<10	1	0.11	10	0.96	693	1	0.02	38	900	28	0.07	2	3	26
CC81207		10	<1	0.12	10	2.93	637	1	0.02	51	880	23	0.02	<2	4	44
CC81208		<10	1	0.09	10	1.32	912	<1	0.02	48	800	17	0.08	3	3	41
CC81209		<10	1	0.11	10	2.69	498	<1	0.02	55	750	12	0.03	<2	3	122
CC81210		<10	<1	0.15	10	3.28	567	<1	0.01	49	680	13	0.02	4	3	118
CC81211		<10	1	0.13	10	3.64	439	<1	0.02	47	720	16	0.01	2	4	93
CC81212		<10	<1	0.12	10	1.37	476	1	0.01	25	310	17	0.04	3	2	145
CC81213		<10	<1	0.09	10	0.61	208	<1	0.01	24	520	20	0.12	2	4	25
CC81214		10	<1	0.09	10	2.30	627	<1	0.02	50	480	17	0.02	<2	4	27
CC81215		<10	1	0.14	10	2.70	869	1	0.02	31	690	32	0.02	3	4	44
CC81216		<10	1	0.10	10	3.24	619	1	0.02	27	660	22	0.02	2	4	44
CC81217		<10	1	0.11	10	3.57	629	1	0.02	28	650	21	0.03	2	3	43
CC81218		<10	1	0.10	10	4.10	357	<1	0.02	37	550	27	0.04	3	4	35
CC81219		<10	1	0.13	20	3.24	1050	<1	0.02	52	730	39	0.03	<2	4	36
CC81220		<10	1	0.06	10	4.09	408	<1	0.03	24	340	17	0.04	<2	3	36
CC81221		10	<1	0.09	20	1.21	834	1	0.02	52	260	92	0.03	<2	7	15
CC81222		<10	1	0.14	20	2.61	975	1	0.02	46	720	32	0.03	<2	5	42
CC81223		<10	1	0.12	10	3.58	635	1	0.03	58	700	21	0.06	<2	4	123
CC81224		10	<1	0.10	10	2.56	686	<1	0.02	63	850	14	0.02	<2	4	59
CC81225		<10	<1	0.08	10	2.54	379	<1	0.02	29	390	10	<0.01	<2	3	207
CC81226		<10	1	0.08	10	2.12	349	<1	0.02	35	390	10	0.03	<2	3	163
CC81227		<10	1	0.12	20	0.73	778	<1	0.02	25	440	16	0.05	<2	3	53
CC81228		<10	<1	0.08	10	2.52	590	<1	0.02	20	340	12	<0.01	<2	2	214
CC81229		<10	<1	0.13	10	2.60	729	<1	0.02	33	670	25	0.03	<2	4	36
CC81230		<10	<1	0.13	10	3.46	479	1	0.02	38	780	16	0.04	<2	3	66
CC81231		<10	<1	0.08	10	0.91	743	<1	0.02	27	790	22	0.07	<2	4	32
CC81232		<10	<1	0.09	20	3.05	581	<1	0.02	30	520	20	0.03	2	4	51
CC81233		<10	1	0.10	20	3.82	622	<1	0.02	33	710	20	0.04	<2	3	52
CC81234		<10	1	0.10	10	3.99	659	<1	0.02	42	860	16	0.03	<2	3	88
CC81235		<10	1	0.13	20	2.70	912	1	0.02	46	680	26	0.02	<2	5	32
CC81236		10	1	0.19	20	3.24	768	1	0.02	68	590	35	0.04	2	7	32
CC81237		<10	1	0.09	20	1.12	435	<1	0.02	36	390	37	0.03	<2	4	16
CC81238		<10	<1	0.10	20	1.14	839	1	0.02	45	230	33	0.02	<2	5	18
CC81239		10	1	0.23	20	5.24	799	<1	0.01	194	970	15	0.02	<2	19	30
CC81240		<10	1	0.10	10	3.04	746	<1	0.02	54	660	16	0.02	<2	5	222

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 15- AUG- 2010
Account: RCM

Project: OCELOT

CERTIFICATE OF ANALYSIS VA10104917

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC81201		<20	0.05	<10	<10	58	<10	120
CC81202		<20	0.05	<10	<10	50	<10	133
CC81203		<20	0.02	<10	<10	22	<10	146
CC81204		<20	0.03	<10	<10	46	<10	192
CC81205		<20	0.04	<10	<10	62	<10	243
CC81206		<20	0.03	<10	<10	47	<10	173
CC81207		<20	0.09	<10	<10	50	<10	145
CC81208		<20	0.06	<10	<10	42	<10	108
CC81209		<20	0.08	<10	<10	34	<10	84
CC81210		<20	0.09	<10	<10	37	<10	95
CC81211		<20	0.10	<10	<10	44	<10	106
CC81212		<20	0.03	<10	<10	14	<10	62
CC81213		<20	0.03	<10	<10	45	<10	118
CC81214		<20	0.13	<10	<10	68	<10	75
CC81215		<20	0.04	<10	<10	52	<10	137
CC81216		<20	0.04	<10	<10	44	<10	106
CC81217		<20	0.03	<10	<10	40	<10	105
CC81218		<20	0.04	<10	<10	43	<10	155
CC81219		<20	0.06	<10	<10	51	<10	152
CC81220		<20	0.03	<10	<10	45	<10	85
CC81221		<20	0.05	<10	<10	74	<10	209
CC81222		<20	0.04	<10	<10	55	<10	164
CC81223		<20	0.08	<10	<10	43	<10	137
CC81224		<20	0.12	<10	<10	51	<10	89
CC81225		<20	0.06	<10	<10	23	<10	52
CC81226		<20	0.07	<10	<10	29	<10	60
CC81227		<20	0.03	<10	<10	32	<10	58
CC81228		<20	0.03	<10	<10	20	<10	49
CC81229		<20	0.05	<10	<10	52	<10	139
CC81230		<20	0.08	<10	<10	43	<10	96
CC81231		<20	0.03	<10	<10	47	<10	103
CC81232		<20	0.04	<10	<10	45	<10	81
CC81233		<20	0.03	<10	<10	41	<10	98
CC81234		<20	0.09	<10	<10	42	<10	103
CC81235		<20	0.05	<10	<10	56	<10	126
CC81236		<20	0.04	<10	<10	66	<10	146
CC81237		<20	0.04	<10	<10	59	<10	126
CC81238		<20	0.05	<10	<10	59	<10	118
CC81239		<20	0.10	<10	<10	123	<10	366
CC81240		<20	0.11	<10	<10	48	<10	96

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CERTIFICATE OF ANALYSIS VA10104917

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC81241		0.26	<0.001	<0.2	2.85	<2	<10	120	<0.5	<2	0.74	<0.5	29	153	67	4.99
CC81242		0.28	0.001	<0.2	1.85	7	<10	150	0.5	<2	7.7	<0.5	15	65	45	3.34
CC81243		0.22	<0.001	<0.2	2.90	5	<10	200	0.7	<2	1.08	<0.5	21	86	34	4.58
CC81244		0.22	0.002	0.2	1.81	10	<10	250	0.6	<2	2.66	0.5	14	40	45	3.54
CC81245		0.34	<0.001	0.2	1.45	5	<10	140	<0.5	<2	10.0	<0.5	11	40	36	2.65
CC81246		0.26	<0.001	0.2	1.15	8	<10	90	<0.5	<2	9.1	<0.5	8	19	33	2.40
CC81247		0.18	<0.001	<0.2	1.88	6	<10	200	<0.5	<2	2.22	<0.5	17	53	47	2.71
CC81248		0.24	<0.001	0.2	1.20	7	<10	110	<0.5	<2	5.39	<0.5	10	22	29	2.70
CC81249		0.24	0.003	<0.2	0.95	3	<10	80	<0.5	<2	20.7	<0.5	7	21	21	1.58
CC81250		0.22	<0.001	0.2	1.54	7	<10	160	<0.5	<2	7.9	<0.5	12	32	35	2.87
CC81251		0.24	0.001	<0.2	1.42	7	<10	180	0.5	<2	3.07	<0.5	12	30	37	2.90
CC81252		0.30	<0.001	0.3	1.66	13	<10	290	0.7	<2	3.91	0.7	13	28	55	3.47
CC81253		0.32	0.001	0.2	1.38	13	<10	260	0.6	<2	3.67	0.5	12	24	42	2.95
CC81254		0.20	<0.001	<0.2	1.39	6	<10	200	0.6	<2	3.48	<0.5	10	21	20	2.97
CC81255		0.16	<0.001	<0.2	1.35	12	<10	230	0.6	<2	1.75	<0.5	9	21	31	2.67
CC81256		0.28	0.003	0.3	1.66	14	<10	250	0.8	<2	0.74	<0.5	12	29	29	3.61
CC81257		0.22	<0.001	<0.2	1.74	13	<10	220	0.7	<2	0.40	<0.5	12	29	34	3.38
CC81258		0.22	0.001	0.2	1.40	12	<10	270	0.6	<2	1.74	<0.5	11	26	35	3.00
CC81259		0.28	<0.001	<0.2	0.62	3	<10	70	<0.5	<2	19.3	<0.5	3	7	15	1.13
CC81260		0.24	<0.001	<0.2	1.33	11	<10	170	0.6	<2	1.93	0.6	11	22	22	3.05
CC81261		0.16	<0.001	<0.2	0.54	2	<10	80	<0.5	<2	20.4	<0.5	3	5	6	1.13
CC81262		0.22	<0.001	<0.2	1.19	5	<10	80	<0.5	<2	18.4	<0.5	5	13	10	1.83
CC81263		0.12	0.001	<0.2	1.24	8	<10	250	0.5	<2	2.36	<0.5	9	23	20	2.37
CC81264		0.16	0.001	0.3	1.24	12	<10	540	0.5	<2	2.83	0.6	9	22	31	2.60
CC81265		0.22	0.002	0.2	1.37	9	<10	270	0.6	<2	2.62	<0.5	10	23	25	2.72
CC81266		0.28	<0.001	<0.2	3.52	3	<10	1640	<0.5	<2	10.8	<0.5	19	82	40	4.69
CC81267		0.24	<0.001	<0.2	1.49	5	<10	100	0.5	<2	13.2	<0.5	9	30	41	2.64
CC81268		0.24	<0.001	<0.2	0.61	<2	<10	60	<0.5	<2	23.1	<0.5	1	5	9	0.85
CC81269		0.22	0.004	<0.2	0.54	4	<10	60	<0.5	<2	20.5	<0.5	5	5	11	1.36
CC81270		0.22	<0.001	<0.2	0.59	4	<10	50	<0.5	<2	19.8	<0.5	6	7	18	1.71
CC81271		0.26	0.002	<0.2	1.49	9	<10	190	0.5	<2	5.39	<0.5	11	30	37	2.92
CC81272		0.32	<0.001	<0.2	0.93	5	<10	70	<0.5	<2	14.2	<0.5	6	12	16	2.04
CC81273		0.22	0.001	<0.2	1.05	12	<10	140	<0.5	<2	9.4	<0.5	8	16	25	2.36
CC81274		0.20	0.004	0.2	1.35	14	<10	170	0.6	<2	1.06	<0.5	10	23	28	3.12
CC81275		0.20	0.003	0.2	1.44	12	<10	200	0.6	<2	1.61	<0.5	10	26	21	3.09
CC81276		0.28	0.003	<0.2	1.35	12	<10	110	0.5	<2	3.45	<0.5	11	24	43	3.08
CC81277		0.28	0.002	0.2	1.69	16	<10	270	0.8	<2	0.53	<0.5	14	31	44	3.56
CC81278		0.22	0.001	0.3	1.76	19	<10	280	0.8	<2	0.78	0.5	15	31	46	3.78
CC81279		0.18	0.002	0.2	1.73	14	<10	280	0.7	<2	1.14	0.5	13	29	41	3.66
CC81280		0.24	0.003	<0.2	1.34	5	<10	270	0.5	<2	0.92	0.5	11	26	40	2.21

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1016- 510 W HASTINGS ST
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Finalized Date: 15- AUG- 2010
Account: RCM

Project: OCELOT

CERTIFICATE OF ANALYSIS VA10104917

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC81241		10	<1	0.15	10	2.87	576	<1	0.02	138	1200	8	0.01	<2	3	27
CC81242		<10	1	0.11	10	3.47	512	<1	0.02	62	850	14	0.02	<2	4	92
CC81243		10	1	0.10	20	2.20	513	<1	0.02	84	310	20	0.03	<2	6	34
CC81244		<10	1	0.15	20	2.06	760	<1	0.02	46	770	27	0.03	<2	5	35
CC81245		<10	1	0.12	10	3.87	503	<1	0.02	45	800	16	0.02	<2	4	107
CC81246		<10	1	0.09	10	3.96	682	<1	0.02	26	510	20	0.02	<2	3	92
CC81247		10	<1	0.19	10	1.79	800	<1	0.02	67	1380	8	0.07	<2	2	60
CC81248		<10	1	0.10	10	3.64	641	1	0.02	29	650	20	0.03	<2	3	44
CC81249		<10	1	0.09	10	2.52	381	<1	0.02	26	470	11	<0.01	<2	3	165
CC81250		<10	<1	0.13	10	3.56	693	1	0.02	40	660	17	0.03	<2	4	67
CC81251		<10	1	0.09	20	2.11	533	<1	0.02	36	760	20	0.05	2	4	32
CC81252		10	1	0.16	20	2.10	845	1	0.03	39	740	36	0.06	<2	5	44
CC81253		<10	1	0.10	20	2.16	690	<1	0.02	34	720	22	0.04	<2	4	38
CC81254		10	<1	0.10	20	1.91	654	<1	0.02	26	540	21	0.06	<2	3	33
CC81255		<10	<1	0.07	10	0.51	543	1	<0.01	24	500	28	0.05	<2	3	22
CC81256		<10	<1	0.07	20	0.93	911	1	0.01	33	230	25	0.02	<2	6	13
CC81257		<10	<1	0.09	10	0.81	625	1	<0.01	38	350	25	0.01	<2	4	14
CC81258		<10	<1	0.08	10	1.23	612	<1	0.01	29	730	21	0.02	<2	4	22
CC81259		<10	<1	0.08	10	1.66	302	<1	0.01	11	210	8	<0.01	<2	2	180
CC81260		<10	<1	0.08	10	1.10	902	1	0.01	29	440	23	0.03	<2	3	22
CC81261		<10	<1	0.07	10	1.74	281	<1	0.01	7	480	8	<0.01	<2	1	192
CC81262		<10	<1	0.06	10	1.61	759	<1	0.01	12	260	9	<0.01	<2	3	197
CC81263		<10	<1	0.06	10	0.52	603	<1	0.01	19	860	14	0.06	<2	2	26
CC81264		10	<1	0.09	10	1.08	813	1	0.01	28	670	20	0.06	<2	2	27
CC81265		<10	<1	0.07	10	0.75	660	<1	0.01	26	830	13	0.06	<2	2	24
CC81266		10	<1	0.06	10	4.00	632	<1	0.01	72	1190	4	0.05	<2	5	249
CC81267		<10	<1	0.12	10	1.35	303	<1	<0.01	43	460	12	0.02	<2	4	236
CC81268		<10	<1	0.06	<10	2.01	170	<1	0.01	7	270	7	<0.01	<2	2	228
CC81269		<10	<1	0.09	10	0.49	295	<1	0.01	12	280	8	<0.01	<2	2	151
CC81270		<10	<1	0.08	10	1.39	418	<1	0.01	17	240	10	<0.01	<2	2	189
CC81271		<10	<1	0.09	10	1.91	581	<1	0.01	31	530	16	0.02	<2	4	51
CC81272		<10	<1	0.06	10	2.38	352	<1	<0.01	15	210	10	0.02	<2	3	117
CC81273		<10	1	0.10	10	2.61	534	1	0.01	24	480	17	0.04	<2	3	67
CC81274		<10	1	0.08	10	0.74	609	1	0.01	29	490	23	0.03	<2	4	16
CC81275		<10	1	0.07	10	1.19	558	<1	0.01	25	360	20	0.03	<2	4	19
CC81276		<10	<1	0.10	10	2.65	874	1	0.01	30	680	20	0.02	<2	4	24
CC81277		<10	<1	0.13	10	0.88	857	1	<0.01	36	340	37	0.01	<2	5	12
CC81278		<10	<1	0.15	20	0.93	671	1	0.01	37	770	40	0.04	<2	5	18
CC81279		10	<1	0.17	10	0.96	936	1	<0.01	35	640	38	0.05	<2	5	19
CC81280		<10	<1	0.09	10	0.80	348	<1	0.01	28	690	21	0.06	<2	4	20

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Finalized Date: 15- AUG- 2010
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CERTIFICATE OF ANALYSIS VA10104917

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC81241		<20	0.32	<10	<10	70	<10	81
CC81242		<20	0.12	<10	<10	51	<10	88
CC81243		<20	0.18	<10	<10	73	<10	99
CC81244		<20	0.06	<10	<10	56	<10	144
CC81245		<20	0.09	<10	<10	43	<10	96
CC81246		<20	0.04	<10	<10	38	<10	102
CC81247		<20	0.16	<10	<10	40	<10	62
CC81248		<20	0.04	<10	<10	43	<10	102
CC81249		<20	0.07	<10	<10	24	<10	59
CC81250		<20	0.07	<10	<10	45	<10	102
CC81251		<20	0.05	<10	<10	47	<10	111
CC81252		<20	0.04	<10	<10	54	<10	153
CC81253		<20	0.03	<10	<10	44	<10	108
CC81254		<20	0.02	<10	<10	41	<10	82
CC81255		<20	0.02	<10	<10	46	<10	64
CC81256		<20	0.03	<10	<10	57	<10	81
CC81257		<20	0.03	<10	<10	56	<10	104
CC81258		<20	0.04	<10	<10	50	<10	88
CC81259		<20	0.01	<10	<10	11	<10	38
CC81260		<20	0.02	<10	<10	47	<10	99
CC81261		<20	0.01	<10	<10	9	<10	32
CC81262		<20	0.02	<10	<10	20	<10	46
CC81263		<20	0.02	<10	<10	38	<10	56
CC81264		<20	0.02	<10	<10	41	<10	101
CC81265		<20	0.03	<10	<10	40	<10	72
CC81266		<20	0.11	<10	<10	55	<10	62
CC81267		<20	0.06	<10	<10	32	<10	56
CC81268		<20	0.01	<10	<10	7	<10	27
CC81269		<20	<0.01	<10	<10	9	<10	32
CC81270		<20	0.01	<10	<10	11	<10	47
CC81271		<20	0.05	<10	<10	44	<10	87
CC81272		<20	0.01	<10	<10	20	<10	40
CC81273		<20	0.02	<10	<10	36	<10	75
CC81274		<20	0.02	<10	<10	45	<10	82
CC81275		<20	0.03	<10	<10	49	<10	76
CC81276		<20	0.05	<10	<10	50	<10	110
CC81277		<20	0.02	<10	<10	60	<10	136
CC81278		<20	0.03	<10	<10	60	<10	168
CC81279		<20	0.02	<10	<10	56	<10	187
CC81280		<20	0.04	<10	<10	49	<10	106

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Project: OCELOT

CERTIFICATE OF ANALYSIS VA10104917

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC81281		0.28	0.001	<0.2	0.88	12	<10	160	<0.5	<2	6.02	<0.5	10	15	23	2.86
CC81282		0.22	<0.001	<0.2	0.78	10	<10	180	<0.5	<2	5.90	<0.5	10	13	21	2.75
CC81283		0.20	0.006	0.2	1.42	10	<10	220	0.6	<2	1.59	<0.5	10	23	27	2.89
CC81284		0.22	0.002	<0.2	1.97	10	<10	330	0.8	<2	0.76	<0.5	10	30	19	3.48
CC81285		0.28	0.002	<0.2	0.57	3	<10	140	<0.5	<2	22.7	<0.5	5	7	12	1.20
CC81286		0.22	<0.001	<0.2	1.06	3	<10	60	<0.5	<2	13.6	<0.5	5	11	8	1.92
CC81287		0.18	<0.001	<0.2	0.56	5	<10	40	<0.5	<2	20.0	<0.5	6	5	16	1.76
CC81288		0.28	0.004	<0.2	0.34	<2	<10	50	<0.5	<2	24.3	<0.5	2	3	4	0.75
CC81289		0.24	0.009	<0.2	1.42	2	<10	140	<0.5	<2	4.46	<0.5	16	75	23	3.04
CC81301		0.24	0.001	0.2	1.48	9	<10	230	0.6	<2	4.59	<0.5	10	23	44	3.00
CC81302		0.30	0.003	<0.2	1.53	11	<10	210	<0.5	<2	4.12	<0.5	13	44	36	3.05
CC81303		0.26	<0.001	<0.2	3.25	<2	<10	250	<0.5	<2	0.56	<0.5	36	193	142	6.18
CC81304		0.16	0.002	<0.2	1.49	12	<10	1900	0.5	<2	6.86	<0.5	10	25	18	2.48
CC81305		0.26	0.006	<0.2	2.37	8	<10	550	0.9	2	1.03	0.7	12	32	15	3.32
CC81306		0.28	0.001	<0.2	1.97	10	<10	380	0.7	2	2.66	<0.5	15	54	38	3.59
CC81307		0.32	<0.001	<0.2	0.29	4	<10	1390	<0.5	<2	>25.0	<0.5	4	5	8	1.02
CC81308		0.26	0.012	0.2	0.66	2	<10	50	<0.5	<2	20.9	<0.5	5	10	12	1.71
CC81309		0.30	0.001	<0.2	2.01	12	<10	280	0.5	<2	4.28	<0.5	15	55	59	3.57
CC81310		0.26	<0.001	<0.2	1.54	<2	<10	40	<0.5	<2	21.2	<0.5	4	21	10	1.46
CC81311		0.26	<0.001	<0.2	1.01	8	<10	100	<0.5	2	8.6	<0.5	9	17	30	2.32
CC81312		0.28	0.001	<0.2	1.05	4	<10	70	<0.5	<2	17.7	<0.5	11	20	24	2.80
CC81313		0.28	0.001	<0.2	1.58	6	<10	150	0.5	<2	5.88	<0.5	12	27	37	2.96
CC81314		0.20	0.001	<0.2	1.29	6	<10	130	<0.5	<2	4.35	<0.5	10	27	34	2.32
CC81315		0.24	0.002	0.3	1.53	4	<10	160	0.5	<2	0.60	<0.5	11	29	35	2.32
CC81316		0.22	<0.001	0.3	1.14	10	<10	180	<0.5	<2	2.49	<0.5	9	20	20	2.23
CC81317		0.32	<0.001	<0.2	1.23	9	<10	170	0.5	<2	4.69	<0.5	11	21	38	2.55
CC81318		0.28	0.004	0.2	1.70	16	<10	250	0.7	3	6.25	0.7	14	27	51	3.37
CC81319		0.22	0.003	<0.2	0.93	10	<10	90	<0.5	<2	13.3	<0.5	9	12	21	2.48
CC81320		0.26	0.006	<0.2	1.74	12	<10	260	0.7	<2	1.45	<0.5	11	28	29	3.17
CC81321		0.26	0.002	<0.2	0.47	5	<10	50	<0.5	<2	23.9	<0.5	3	5	8	1.03
CC81322		0.26	0.002	<0.2	0.25	<2	<10	10	<0.5	<2	>25.0	<0.5	2	2	4	0.58
CC81323		0.30	<0.001	<0.2	0.73	3	<10	50	<0.5	<2	20.7	<0.5	5	8	15	1.43
CC81324		0.32	0.002	<0.2	1.13	8	<10	160	<0.5	<2	5.02	<0.5	8	19	29	2.37
CC81325		0.20	0.004	<0.2	1.87	14	<10	240	0.7	<2	1.28	<0.5	15	30	54	3.92
CC81326		0.22	<0.001	<0.2	1.22	15	<10	150	0.5	2	4.68	0.7	9	18	15	2.97
CC81327		0.24	<0.001	<0.2	1.49	9	<10	180	0.6	2	4.43	<0.5	11	23	19	3.21
CC81328		0.30	0.004	<0.2	1.62	9	<10	270	0.7	2	0.97	0.6	12	28	42	2.88
CC81329		0.26	0.001	<0.2	1.63	13	<10	230	0.6	2	2.76	0.6	13	28	48	3.31
CC81330		0.24	0.001	<0.2	1.62	14	<10	220	0.6	<2	4.51	0.6	14	26	53	3.42
CC81331		0.28	<0.001	<0.2	1.68	13	<10	180	0.7	3	1.47	<0.5	14	29	43	3.46

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 15- AUG- 2010
Account: RCM

Project: OCELOT

CERTIFICATE OF ANALYSIS VA10104917

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC81281		<10	<1	0.09	10	3.28	607	1	0.01	24	490	21	0.09	<2	3	36
CC81282		<10	<1	0.09	10	3.05	451	1	0.01	27	590	16	0.12	<2	2	41
CC81283		<10	<1	0.07	10	0.62	750	<1	<0.01	24	450	21	0.04	<2	3	19
CC81284		10	<1	0.06	20	0.71	853	<1	0.01	25	150	22	0.02	<2	5	13
CC81285		<10	<1	0.07	10	1.73	215	<1	0.01	15	180	8	<0.01	<2	2	187
CC81286		<10	<1	0.10	10	3.19	331	<1	<0.01	13	320	7	0.01	<2	2	123
CC81287		<10	<1	0.10	10	0.81	375	<1	<0.01	16	220	10	<0.01	<2	2	183
CC81288		<10	<1	0.05	<10	2.00	173	<1	0.01	5	260	6	<0.01	<2	1	212
CC81289		<10	<1	0.08	10	2.01	663	<1	0.01	59	990	8	0.03	<2	3	64
CC81301		<10	<1	0.16	10	3.14	959	1	0.01	34	700	33	0.01	<2	5	33
CC81302		<10	<1	0.13	10	2.44	622	<1	0.02	46	700	29	0.02	<2	4	45
CC81303		10	<1	0.56	<10	2.07	337	<1	0.01	181	270	4	0.01	<2	7	12
CC81304		<10	<1	0.07	10	4.48	495	1	0.03	24	390	16	0.08	<2	3	27
CC81305		10	<1	0.04	20	0.79	1270	<1	0.01	24	170	48	0.02	2	5	13
CC81306		10	<1	0.08	10	1.38	515	1	0.02	52	390	18	0.04	<2	5	29
CC81307		<10	1	0.07	10	0.37	175	<1	0.03	11	120	5	<0.01	<2	2	219
CC81308		<10	<1	0.08	10	0.94	404	1	0.02	18	300	3	<0.01	<2	2	376
CC81309		<10	<1	0.18	10	2.40	628	1	0.02	53	580	18	0.03	<2	5	54
CC81310		<10	<1	0.04	<10	2.67	311	<1	0.01	12	180	4	<0.01	<2	4	321
CC81311		<10	<1	0.10	10	3.61	667	1	0.02	22	600	16	0.02	<2	3	74
CC81312		<10	<1	0.39	10	1.77	482	1	0.02	39	400	8	0.03	<2	3	203
CC81313		<10	<1	0.20	20	3.09	662	1	0.02	32	650	19	0.03	<2	4	58
CC81314		10	<1	0.10	10	2.84	324	<1	0.02	26	680	13	0.03	<2	4	35
CC81315		10	1	0.12	20	0.82	187	<1	0.01	29	700	23	0.03	2	5	19
CC81316		<10	<1	0.08	10	0.87	401	1	0.01	18	720	15	0.09	<2	2	33
CC81317		<10	<1	0.10	10	3.02	691	1	0.02	25	680	20	0.05	<2	4	37
CC81318		<10	1	0.21	10	2.54	810	2	0.02	37	630	32	0.02	<2	5	73
CC81319		<10	<1	0.10	10	1.46	506	1	0.02	22	300	16	0.03	<2	2	128
CC81320		<10	<1	0.09	20	0.99	592	1	0.02	26	430	19	0.03	<2	4	23
CC81321		<10	<1	0.08	10	0.54	199	<1	0.02	9	170	6	<0.01	<2	2	214
CC81322		<10	<1	0.06	<10	0.28	86	<1	0.01	7	90	<2	<0.01	<2	2	140
CC81323		<10	<1	0.07	10	0.88	216	<1	0.02	13	300	6	<0.01	<2	2	104
CC81324		<10	<1	0.10	10	3.26	588	1	0.01	22	510	16	0.03	<2	4	37
CC81325		<10	1	0.16	20	1.29	788	1	0.02	37	350	37	0.03	<2	5	23
CC81326		<10	<1	0.08	10	2.80	517	1	0.01	19	430	15	0.05	<2	2	23
CC81327		<10	<1	0.09	10	2.76	749	1	0.02	21	330	18	0.04	<2	4	32
CC81328		<10	<1	0.11	20	0.91	243	<1	0.02	30	660	26	0.06	<2	5	21
CC81329		<10	<1	0.15	20	1.79	562	1	0.01	33	760	32	0.03	<2	5	33
CC81330		<10	<1	0.16	20	2.50	932	1	0.02	33	690	33	0.02	<2	5	45
CC81331		10	<1	0.11	20	1.42	880	1	0.01	32	500	30	0.03	<2	5	20

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CERTIFICATE OF ANALYSIS VA10104917

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC81281		<20	0.02	<10	<10	34	<10	112
CC81282		<20	0.01	<10	<10	26	<10	84
CC81283		<20	0.02	<10	<10	46	<10	81
CC81284		<20	0.03	<10	<10	68	<10	73
CC81285		<20	0.01	<10	<10	12	<10	33
CC81286		<20	0.02	<10	<10	15	<10	42
CC81287		<20	<0.01	<10	<10	7	<10	39
CC81288		<20	<0.01	<10	<10	5	<10	29
CC81289		<20	0.13	<10	<10	38	<10	67
CC81301		<20	0.03	<10	<10	50	<10	131
CC81302		<20	0.07	<10	<10	47	<10	100
CC81303		<20	0.30	<10	<10	58	<10	83
CC81304		<20	0.03	<10	<10	43	<10	66
CC81305		<20	0.03	<10	<10	77	<10	141
CC81306		<20	0.03	<10	<10	56	<10	79
CC81307		<20	0.01	<10	10	4	<10	20
CC81308		<20	0.04	<10	<10	7	<10	31
CC81309		<20	0.07	<10	<10	58	<10	109
CC81310		<20	0.04	<10	10	15	<10	28
CC81311		<20	0.04	<10	<10	38	<10	97
CC81312		<20	0.10	<10	<10	20	<10	55
CC81313		<20	0.04	<10	<10	36	<10	110
CC81314		<20	0.05	<10	<10	42	<10	99
CC81315		<20	0.05	<10	<10	57	<10	105
CC81316		<20	0.02	<10	<10	39	<10	105
CC81317		<20	0.03	<10	<10	46	<10	138
CC81318		<20	0.03	<10	<10	54	<10	169
CC81319		<20	0.01	<10	<10	19	<10	58
CC81320		<20	0.03	<10	<10	54	<10	80
CC81321		<20	0.01	<10	10	6	<10	30
CC81322		<20	0.01	<10	10	<1	<10	14
CC81323		<20	0.01	<10	<10	13	<10	52
CC81324		<20	0.03	<10	<10	39	<10	87
CC81325		<20	0.03	<10	<10	60	<10	137
CC81326		<20	0.01	<10	<10	36	<10	120
CC81327		<20	0.02	<10	<10	46	<10	74
CC81328		<20	0.03	<10	<10	54	<10	134
CC81329		<20	0.04	<10	<10	54	<10	145
CC81330		<20	0.04	<10	<10	52	<10	156
CC81331		<20	0.04	<10	<10	57	<10	113

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CERTIFICATE OF ANALYSIS VA10104917

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC81332		0.20	0.003	0.2	1.61	11	<10	170	0.7	2	1.92	<0.5	12	25	20	3.16
CC81333		0.24	0.001	<0.2	1.52	16	<10	170	0.6	2	5.70	0.6	12	24	50	3.19
CC81334		0.22	0.001	<0.2	1.56	9	<10	180	0.5	2	1.35	<0.5	11	25	14	3.13
CC81335		0.32	<0.001	0.3	1.06	11	<10	190	<0.5	2	6.03	<0.5	10	17	29	2.60
CC81336		0.20	0.002	<0.2	1.53	13	<10	190	0.6	2	2.03	<0.5	12	25	34	3.20
CC81337		0.26	0.016	0.2	1.40	12	<10	210	0.6	2	2.19	<0.5	11	23	38	2.99
CC81338		0.20	<0.001	<0.2	1.13	4	<10	120	<0.5	<2	16.5	<0.5	8	21	25	2.08
CC81339		0.30	<0.001	<0.2	1.69	4	<10	110	0.5	<2	17.1	<0.5	11	41	31	2.50
CC81340		0.26	0.002	<0.2	0.79	5	<10	80	<0.5	<2	15.4	<0.5	6	11	12	1.78
CC81341		0.20	0.001	<0.2	1.93	7	<10	220	0.7	<2	1.94	<0.5	9	26	15	3.28
CC81342		0.36	0.005	<0.2	0.91	2	<10	80	<0.5	<2	19.8	<0.5	3	9	9	1.09
CC81343		0.26	0.001	0.2	1.65	15	<10	210	0.6	<2	3.39	<0.5	11	31	33	3.28
CC81344		0.34	0.004	<0.2	1.58	12	<10	200	0.6	<2	6.41	<0.5	10	26	29	2.93
CC81345		0.26	<0.001	0.2	2.02	11	<10	220	0.8	<2	0.96	<0.5	11	35	29	3.47
CC81346		0.22	<0.001	<0.2	1.33	9	<10	210	0.6	<2	3.31	<0.5	10	23	14	3.45
CC81347		0.20	0.002	<0.2	1.39	11	<10	230	0.6	<2	3.70	<0.5	10	22	24	2.91
CC81348		0.20	0.001	<0.2	1.59	9	<10	230	0.5	<2	1.16	<0.5	12	25	11	3.42
CC81349		0.28	0.003	<0.2	1.49	10	<10	190	0.6	<2	5.39	<0.5	11	24	37	3.14
CC81350		0.36	0.002	0.2	1.43	10	<10	240	0.5	<2	4.35	<0.5	12	26	37	3.16
CC81351		0.26	0.003	<0.2	1.66	14	<10	300	0.7	<2	0.68	0.6	14	33	43	3.93
CC81352		0.28	0.003	0.2	1.59	12	<10	240	0.6	<2	3.40	0.5	12	28	44	3.43
CC81353		0.28	0.001	0.2	1.68	12	<10	280	0.7	<2	2.33	0.7	14	30	46	3.53
CC81354		0.30	0.004	0.2	1.72	15	<10	240	0.7	<2	3.66	0.7	15	30	52	3.75
CC81355		0.20	0.001	<0.2	1.86	14	<10	270	0.8	<2	1.44	0.9	15	32	49	3.23
CC81356		0.22	0.001	0.2	1.62	17	<10	250	0.7	<2	6.80	0.7	12	26	53	3.42
CC81357		0.26	0.001	0.4	1.83	14	<10	230	0.8	<2	4.11	0.6	12	31	57	3.83
CC81358		0.20	0.001	0.4	1.83	16	<10	260	0.8	<2	4.70	0.7	14	31	58	3.82
CC81359		0.24	0.004	0.3	1.85	16	<10	250	0.8	2	1.75	0.6	13	32	55	3.92
CC81360		0.30	0.002	0.2	1.61	16	<10	200	0.6	<2	4.51	0.6	13	27	53	3.51
CC81361		0.30	0.005	0.2	1.39	12	<10	260	0.6	<2	3.48	0.5	11	23	42	2.81
CC81362		0.26	0.003	0.3	1.61	13	<10	190	0.6	<2	2.59	0.5	13	27	47	3.48
CC81363		0.26	0.006	<0.2	1.58	10	<10	260	0.6	<2	1.39	0.5	12	28	43	3.33
CC81364		0.18	<0.001	<0.2	1.24	11	<10	250	0.6	<2	2.37	<0.5	11	20	24	2.94
CC81365		0.26	<0.001	<0.2	1.45	11	<10	320	0.8	<2	1.05	<0.5	18	21	18	5.56
CC81366		0.20	0.001	<0.2	1.52	11	<10	270	0.6	<2	1.20	<0.5	12	27	37	3.29
CC81367		0.24	<0.001	<0.2	0.65	<2	<10	50	<0.5	<2	23.1	<0.5	3	6	10	1.07
CC81368		0.22	<0.001	<0.2	1.02	2	<10	80	<0.5	<2	15.5	<0.5	4	9	9	1.64
CC81369		0.22	<0.001	<0.2	0.39	<2	<10	40	<0.5	<2	>25.0	<0.5	2	3	5	0.80
CC81370		0.16	<0.001	<0.2	1.75	14	<10	240	0.6	<2	1.76	<0.5	12	33	26	3.43
CC81371		0.22	0.001	0.2	1.30	15	<10	190	0.5	<2	6.13	0.5	9	22	33	2.81

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Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC81332		<10	<1	0.07	20	1.33	497	1	0.01	24	360	20	0.04	<2	4	24
CC81333		<10	1	0.17	10	2.98	895	1	0.02	30	660	30	0.02	<2	5	61
CC81334		<10	<1	0.07	10	0.88	499	<1	0.01	19	380	23	0.04	<2	3	15
CC81335		<10	<1	0.09	10	3.57	590	1	0.02	25	520	19	0.03	2	3	43
CC81336		<10	<1	0.09	20	1.61	716	1	0.02	30	530	23	0.03	2	4	21
CC81337		<10	<1	0.08	10	1.39	734	<1	0.01	28	550	19	0.04	2	3	22
CC81338		<10	<1	0.09	10	1.65	912	<1	0.01	25	470	15	0.03	<2	3	221
CC81339		<10	1	0.07	10	2.49	647	<1	0.02	37	680	10	0.02	<2	5	287
CC81340		<10	<1	0.08	10	3.55	401	<1	0.01	15	370	11	0.01	<2	2	134
CC81341		<10	<1	0.09	20	1.14	457	<1	0.01	21	270	20	0.03	<2	5	24
CC81342		<10	<1	0.10	10	2.29	125	<1	0.01	10	230	8	<0.01	<2	3	177
CC81343		<10	<1	0.12	10	2.58	751	1	0.01	38	860	23	0.01	<2	4	31
CC81344		<10	<1	0.11	10	2.30	740	<1	0.01	30	410	24	0.02	<2	4	63
CC81345		10	<1	0.09	20	1.00	539	1	0.01	36	200	23	0.02	<2	5	15
CC81346		<10	<1	0.09	20	2.03	657	<1	0.01	24	520	19	0.04	<2	4	28
CC81347		<10	<1	0.08	10	0.88	697	2	0.01	24	480	29	0.06	<2	3	31
CC81348		<10	1	0.08	10	0.66	694	<1	0.01	19	410	22	0.04	<2	3	18
CC81349		<10	1	0.12	10	3.50	705	<1	0.01	32	740	23	0.02	<2	4	37
CC81350		<10	<1	0.12	10	2.31	507	1	0.01	31	710	23	0.03	<2	4	35
CC81351		<10	<1	0.12	20	0.93	586	1	0.01	35	900	26	0.03	<2	5	22
CC81352		<10	<1	0.14	20	2.29	769	1	0.01	32	770	27	0.02	<2	5	34
CC81353		<10	<1	0.14	10	1.70	672	1	0.01	34	750	34	0.02	<2	5	28
CC81354		<10	1	0.19	20	2.26	983	1	0.01	38	780	41	0.01	<2	5	40
CC81355		<10	1	0.21	20	1.35	498	<1	0.01	40	770	51	0.06	<2	6	23
CC81356		<10	<1	0.20	10	2.96	970	1	0.01	35	710	42	0.01	<2	5	69
CC81357		<10	1	0.21	20	2.42	705	1	0.01	36	760	41	0.02	<2	6	42
CC81358		10	1	0.22	20	2.41	991	1	0.01	39	730	43	0.02	<2	5	50
CC81359		<10	<1	0.20	20	1.60	657	1	0.01	38	760	45	0.02	<2	6	23
CC81360		<10	<1	0.15	10	2.65	946	1	0.01	35	720	35	0.01	<2	5	43
CC81361		<10	<1	0.12	10	2.30	550	<1	0.01	29	660	28	0.03	<2	4	29
CC81362		<10	1	0.15	10	2.04	838	<1	0.01	34	790	34	0.02	<2	5	26
CC81363		<10	<1	0.11	10	1.30	525	<1	0.01	31	700	24	0.03	<2	5	20
CC81364		<10	<1	0.09	10	0.99	603	<1	0.01	26	450	19	0.08	<2	3	23
CC81365		<10	<1	0.08	20	0.64	393	<1	0.01	46	270	27	0.28	<2	4	11
CC81366		<10	1	0.09	10	1.02	938	1	0.01	30	500	21	0.03	<2	4	16
CC81367		<10	<1	0.11	10	1.65	179	<1	0.01	12	150	7	<0.01	<2	2	199
CC81368		<10	<1	0.10	10	2.37	255	<1	0.01	12	270	7	0.01	<2	2	137
CC81369		<10	<1	0.06	<10	2.43	167	<1	0.01	5	260	4	<0.01	<2	2	259
CC81370		10	<1	0.09	10	1.43	683	1	0.01	33	410	24	0.02	<2	4	21
CC81371		<10	1	0.13	10	3.44	755	1	0.01	30	660	25	0.02	<2	4	51

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 15- AUG- 2010
Account: RCM

Project: OCELOT

CERTIFICATE OF ANALYSIS VA10104917

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC81332		<20	0.02	<10	<10	49	<10	64
CC81333		<20	0.04	<10	<10	51	<10	145
CC81334		<20	0.03	<10	<10	55	<10	74
CC81335		<20	0.02	<10	<10	33	<10	90
CC81336		<20	0.03	<10	<10	51	<10	93
CC81337		<20	0.02	<10	<10	46	<10	83
CC81338		<20	0.04	<10	<10	28	<10	59
CC81339		<20	0.06	<10	<10	41	<10	63
CC81340		<20	0.02	<10	<10	20	<10	45
CC81341		<20	0.02	<10	<10	51	<10	54
CC81342		<20	0.01	<10	<10	14	<10	30
CC81343		<20	0.05	<10	<10	57	<10	116
CC81344		<20	0.03	<10	<10	49	<10	91
CC81345		<20	0.04	<10	<10	65	<10	77
CC81346		<20	0.02	<10	<10	42	<10	65
CC81347		<20	0.03	<10	<10	45	<10	71
CC81348		<20	0.03	<10	<10	57	<10	92
CC81349		<20	0.03	<10	<10	52	<10	131
CC81350		<20	0.04	<10	<10	53	<10	129
CC81351		<20	0.05	<10	<10	60	<10	151
CC81352		<20	0.04	<10	<10	56	<10	136
CC81353		<20	0.04	<10	<10	57	<10	154
CC81354		<20	0.03	<10	<10	57	<10	178
CC81355		<20	0.03	<10	<10	62	<10	202
CC81356		<20	0.03	<10	<10	55	<10	182
CC81357		<20	0.03	<10	<10	59	<10	194
CC81358		<20	0.03	<10	<10	59	<10	189
CC81359		<20	0.03	<10	<10	61	<10	190
CC81360		<20	0.04	<10	<10	55	<10	158
CC81361		<20	0.03	<10	<10	51	<10	136
CC81362		<20	0.04	<10	<10	57	<10	160
CC81363		<20	0.04	<10	<10	58	<10	117
CC81364		<20	0.02	<10	<10	40	<10	66
CC81365		<20	0.01	<10	<10	40	<10	58
CC81366		<20	0.03	<10	<10	55	<10	89
CC81367		<20	<0.01	<10	<10	7	<10	28
CC81368		<20	0.01	<10	<10	12	<10	35
CC81369		<20	<0.01	<10	<10	5	<10	21
CC81370		<20	0.04	<10	<10	59	<10	107
CC81371		<20	0.03	<10	<10	51	<10	133

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 15- AUG- 2010
Account: RCM

Project: OCELOT

CERTIFICATE OF ANALYSIS VA10104917

Sample Description	Method / Analyte / Units / LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC81372		0.16	0.001	<0.2	1.49	12	<10	280	0.6	<2	1.44	0.5	10	25	18	2.88
CC81373		0.24	0.001	<0.2	1.43	12	<10	250	0.5	<2	1.56	<0.5	9	25	30	3.07
CC81374		0.26	0.001	<0.2	1.57	12	<10	190	0.6	<2	3.67	<0.5	10	25	31	2.90
CC81375		0.24	0.002	<0.2	0.73	3	<10	80	<0.5	<2	20.9	<0.5	4	9	13	1.25
CC81376		0.20	<0.001	<0.2	1.65	2	<10	180	0.6	<2	1.51	<0.5	7	20	15	2.40
CC81377		0.30	0.001	<0.2	0.25	<2	<10	30	<0.5	<2	>25.0	<0.5	2	3	6	0.50
CC81378		0.30	<0.001	<0.2	2.21	<2	<10	80	0.6	<2	18.5	<0.5	12	52	23	2.61
CC81379		0.20	0.001	0.2	1.45	9	<10	170	0.5	<2	1.31	<0.5	13	27	24	3.20
CC81380		0.22	0.001	0.2	1.69	10	<10	370	0.7	<2	1.03	0.5	15	31	43	3.00
CC81381		0.28	0.001	0.3	1.51	12	<10	210	0.6	<2	6.01	0.7	12	25	50	3.09
CC81382		0.32	0.002	0.2	1.61	15	<10	290	0.7	<2	2.96	<0.5	13	27	57	3.39
CC81383		0.18	0.001	<0.2	1.95	15	<10	240	0.9	<2	0.66	0.7	16	34	58	4.04
CC81384		0.28	0.001	0.2	1.53	13	<10	200	0.6	<2	6.49	0.7	13	24	54	3.20
CC81385		0.24	0.003	0.3	1.87	16	<10	270	0.8	<2	1.29	0.8	17	33	58	3.85
CC81386		0.16	0.001	0.2	1.70	15	<10	260	0.8	<2	1.62	1.1	14	30	56	3.48
CC81387		0.24	0.001	0.2	1.70	16	<10	250	0.7	<2	4.34	0.9	14	29	57	3.51

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CERTIFICATE OF ANALYSIS VA10104917

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC81372		<10	<1	0.07	10	0.62	722	1	0.01	22	500	19	0.04	<2	3	25
CC81373		<10	<1	0.08	10	1.08	469	1	0.01	25	530	21	0.03	<2	3	22
CC81374		<10	<1	0.09	10	2.06	610	<1	0.02	28	510	24	0.02	2	4	34
CC81375		<10	1	0.06	<10	2.64	266	<1	0.02	9	370	12	<0.01	<2	2	187
CC81376		<10	<1	0.09	10	0.88	370	<1	0.03	13	260	18	0.05	<2	3	22
CC81377		<10	<1	0.07	<10	0.79	124	<1	0.02	3	90	11	<0.01	<2	2	279
CC81378		10	<1	0.13	<10	4.17	404	<1	0.03	39	930	5	<0.01	<2	5	330
CC81379		<10	<1	0.10	10	1.07	730	<1	0.02	28	880	24	0.03	<2	3	25
CC81380		<10	<1	0.10	10	0.88	791	<1	0.02	37	660	26	0.06	<2	5	21
CC81381		10	<1	0.17	10	2.83	861	<1	0.03	31	670	33	0.01	4	5	60
CC81382		<10	<1	0.14	10	2.03	974	<1	0.03	35	560	36	0.01	2	5	31
CC81383		<10	<1	0.18	20	1.06	1125	<1	0.02	43	500	51	0.02	<2	5	17
CC81384		<10	<1	0.16	10	3.08	956	<1	0.02	32	680	38	0.01	4	5	64
CC81385		10	<1	0.18	20	1.33	1020	<1	0.02	40	760	52	0.02	<2	5	22
CC81386		10	<1	0.18	10	1.18	832	<1	0.02	34	810	44	0.03	<2	5	26
CC81387		<10	1	0.17	10	2.36	1040	<1	0.02	37	760	44	0.02	<2	5	45

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Project: OCELOT

CERTIFICATE OF ANALYSIS VA10104917

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC81372		<20	0.02	<10	<10	51	<10	100
CC81373		<20	0.03	<10	<10	51	<10	84
CC81374		<20	0.03	<10	<10	54	<10	98
CC81375		<20	0.01	<10	<10	16	<10	34
CC81376		<20	0.02	<10	<10	34	<10	34
CC81377		<20	<0.01	<10	<10	1	<10	10
CC81378		<20	0.12	<10	<10	41	<10	44
CC81379		<20	0.04	<10	<10	56	<10	113
CC81380		<20	0.03	<10	<10	53	<10	104
CC81381		<20	0.04	<10	<10	51	<10	151
CC81382		<20	0.04	<10	<10	56	<10	135
CC81383		<20	0.03	<10	<10	64	<10	183
CC81384		<20	0.04	<10	<10	52	<10	154
CC81385		<20	0.03	<10	<10	60	<10	194
CC81386		<20	0.02	<10	<10	55	<10	188
CC81387		<20	0.03	<10	<10	54	<10	184

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Finalized Date: 16- AUG- 2010
Account: RCM

CERTIFICATE VA10104918

Project: OCELOT

P.O. No.: Op A

This report is for 198 Soil samples submitted to our lab in Vancouver, BC, Canada on 3- AUG- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
PUL- 31	Pulverize split to 85% < 75 um
LOG- 21	Sample logging - ClientBarCode
PUL- QC	Pulverizing QC Test
SCR- 43	Screen to - 500um, discard plus
SCR- 01	Screen - Save plus fraction

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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CERTIFICATE OF ANALYSIS VA10104918

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC81001		0.28	0.002	0.4	1.69	16	<10	610	0.5	<2	8.2	1.5	12	43	36	2.84
CC81002		0.34	0.001	0.5	2.38	13	<10	780	0.7	<2	6.5	1.5	16	65	47	3.55
CC81003		0.14	0.002	<0.2	3.40	14	<10	750	0.9	<2	2.90	0.8	21	72	43	5.23
CC81004		0.28	0.001	0.3	2.26	15	<10	520	0.8	<2	3.73	1.2	16	55	42	3.62
CC81005		0.22	0.001	0.3	2.68	9	<10	450	0.9	<2	1.40	0.5	12	44	21	3.52
CC81006		0.22	0.003	<0.2	1.95	8	<10	780	0.6	<2	1.98	1.4	19	51	37	3.46
CC81007		0.26	<0.001	<0.2	2.84	10	10	430	0.9	<2	5.60	0.8	14	56	45	3.67
CC81008		0.24	<0.001	0.2	2.71	12	<10	590	1.1	<2	1.10	1.3	18	47	49	3.71
CC81009		0.26	0.005	0.3	2.99	14	10	450	1.2	<2	2.51	0.9	15	42	51	4.08
CC81010		0.26	0.003	0.2	3.05	17	10	420	1.2	<2	3.16	0.8	15	42	54	3.98
CC81011		0.24	<0.001	0.2	2.59	12	10	380	1.0	<2	9.2	0.8	12	35	42	3.09
CC81012		0.28	<0.001	0.2	2.35	10	<10	280	0.7	<2	9.5	0.6	11	35	38	2.92
CC81013		0.24	<0.001	0.2	2.90	16	10	400	1.0	<2	3.97	0.8	14	42	52	3.79
CC81014		0.24	0.002	0.3	2.76	11	<10	350	1.0	<2	5.03	0.8	13	39	52	3.50
CC81015		0.28	0.001	0.2	2.41	12	<10	340	0.9	<2	5.50	0.5	13	50	48	3.40
CC81016		0.34	<0.001	<0.2	1.79	6	<10	220	0.5	<2	7.9	<0.5	11	40	31	2.91
CC81017		0.30	0.001	0.2	2.01	9	<10	350	0.7	<2	5.59	0.7	12	33	42	3.01
CC81018		0.30	<0.001	<0.2	1.61	6	<10	220	0.5	<2	12.3	0.6	9	30	29	2.31
CC81019		0.28	0.001	0.2	2.11	10	<10	290	0.7	<2	8.2	0.7	11	32	41	3.03
CC81020		0.28	0.001	0.4	2.87	13	<10	390	1.0	<2	3.49	0.8	14	43	52	3.78
CC81021		0.26	<0.001	0.2	2.32	9	10	240	0.8	<2	3.52	0.6	14	36	46	3.55
CC81022		0.26	0.002	0.2	2.06	12	<10	270	0.8	<2	2.86	0.6	12	32	40	3.35
CC81023		0.28	<0.001	0.4	2.32	11	10	340	0.9	<2	9.2	0.8	11	30	40	3.08
CC81024		0.26	<0.001	0.3	1.88	4	<10	280	0.6	<2	9.9	0.5	12	38	36	2.84
CC81025		0.26	<0.001	0.2	2.07	11	10	310	0.7	<2	8.5	0.5	10	34	36	2.88
CC81026		0.24	0.003	0.3	2.65	9	10	390	1.0	<2	5.38	0.7	13	36	47	3.66
CC81027		0.24	0.002	0.2	2.76	17	10	440	1.1	<2	5.94	0.9	14	37	48	3.67
CC81028		0.28	0.001	0.4	2.50	15	10	430	1.0	<2	2.68	1.0	16	39	45	3.98
CC81029		0.28	<0.001	0.6	1.72	12	<10	630	0.6	<2	5.68	1.0	12	45	34	3.13
CC81030		0.28	0.001	0.8	1.74	20	<10	970	0.5	<2	11.5	1.5	11	46	33	2.65
CC81031		0.26	0.007	0.6	1.94	10	<10	620	0.5	<2	7.02	0.8	13	56	33	3.25
CC81032		0.26	0.003	0.3	2.37	12	<10	580	0.7	<2	3.86	0.9	13	53	37	4.09
CC81033		0.38	0.001	0.5	2.01	16	<10	650	0.6	<2	6.00	1.4	14	51	36	3.49
CC81034		0.24	0.003	0.6	2.14	14	<10	700	0.6	<2	7.7	1.6	13	55	34	3.05
CC81035		0.24	<0.001	0.5	2.56	7	10	340	0.9	<2	5.56	0.7	14	40	47	3.65
CC81036		0.20	0.001	0.2	2.52	16	<10	380	0.9	<2	2.16	1.1	13	43	50	3.99
CC81037		0.16	0.001	0.3	1.98	3	<10	280	0.7	<2	1.84	1.0	13	43	41	2.45
CC81038		0.20	0.001	0.3	1.65	6	<10	260	0.5	<2	4.76	<0.5	11	34	31	3.25
CC81039		0.30	<0.001	0.2	1.78	14	<10	250	0.6	<2	6.75	<0.5	11	36	31	2.91
CC81040		0.30	<0.001	0.2	1.55	9	<10	200	0.5	<2	9.3	<0.5	10	32	31	2.55

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Finalized Date: 16- AUG- 2010
Account: RCM

Project: OCELOT

CERTIFICATE OF ANALYSIS VA10104918

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC81001		10	<1	0.27	10	5.25	631	<1	0.05	38	680	97	0.02	3	5	61
CC81002		10	1	0.29	10	4.67	865	<1	0.04	50	1010	80	0.03	3	6	61
CC81003		10	<1	0.40	20	3.18	602	<1	0.05	52	1560	33	0.07	3	7	54
CC81004		10	<1	0.40	10	2.74	888	<1	0.05	48	860	53	0.03	<2	6	38
CC81005		10	<1	0.30	20	1.16	1000	<1	0.06	28	500	50	0.03	<2	6	27
CC81006		10	<1	0.29	10	1.50	1360	<1	0.05	44	790	35	0.11	4	5	29
CC81007		10	<1	0.63	20	3.10	745	<1	0.07	45	810	30	0.03	<2	7	67
CC81008		10	<1	0.55	20	1.19	967	<1	0.05	44	750	52	0.08	3	7	27
CC81009		10	<1	0.65	20	1.91	954	<1	0.05	40	740	48	0.02	<2	7	37
CC81010		10	1	0.68	20	2.14	1125	<1	0.05	40	780	43	0.03	3	7	41
CC81011		10	<1	0.70	10	3.70	855	<1	0.05	32	680	35	0.01	<2	6	101
CC81012		10	1	0.62	10	3.72	810	<1	0.05	31	680	27	0.01	2	5	103
CC81013		10	1	0.68	20	2.52	1030	<1	0.06	38	760	39	0.02	<2	7	47
CC81014		10	1	0.61	20	2.59	898	<1	0.05	37	750	37	0.02	5	7	57
CC81015		10	<1	0.42	10	3.20	927	<1	0.05	39	730	26	0.04	<2	6	53
CC81016		10	1	0.24	10	3.85	676	<1	0.04	36	840	17	0.03	<2	4	77
CC81017		<10	<1	0.36	10	2.69	642	<1	0.04	33	740	25	0.03	2	5	49
CC81018		<10	<1	0.37	10	4.94	629	<1	0.04	30	660	15	0.01	2	4	111
CC81019		<10	<1	0.52	10	3.66	761	1	0.05	29	740	24	0.01	5	5	82
CC81020		10	<1	0.66	20	2.39	1000	<1	0.06	37	860	37	0.02	2	7	43
CC81021		10	1	0.51	20	2.60	1065	<1	0.05	33	790	31	0.01	<2	6	35
CC81022		10	<1	0.39	10	1.84	897	<1	0.04	31	690	32	0.02	3	5	34
CC81023		<10	<1	0.66	20	3.40	828	<1	0.04	29	640	29	0.13	2	6	99
CC81024		<10	<1	0.44	10	3.82	780	<1	0.03	36	690	20	0.03	<2	5	97
CC81025		<10	1	0.52	20	3.61	717	<1	0.04	30	670	22	0.01	<2	5	81
CC81026		10	<1	0.68	20	2.83	904	<1	0.04	35	700	35	<0.01	<2	7	65
CC81027		10	1	0.72	20	2.98	918	<1	0.05	36	740	39	<0.01	<2	7	69
CC81028		10	<1	0.59	20	2.16	961	<1	0.03	38	740	45	<0.01	<2	7	33
CC81029		<10	<1	0.29	10	3.63	761	<1	0.03	37	710	65	0.04	<2	4	45
CC81030		<10	<1	0.38	10	5.57	645	<1	0.03	38	550	119	0.03	<2	5	93
CC81031		<10	<1	0.31	10	4.23	666	<1	0.03	47	720	57	0.01	<2	5	69
CC81032		10	<1	0.48	20	2.96	772	<1	0.05	42	670	45	0.01	<2	6	41
CC81033		10	<1	0.30	20	4.48	749	<1	0.03	42	780	76	0.01	<2	6	49
CC81034		<10	<1	0.40	20	5.23	533	<1	0.04	41	700	98	0.01	<2	6	52
CC81035		<10	<1	0.70	20	2.93	836	<1	0.05	34	680	28	<0.01	2	7	61
CC81036		10	<1	0.64	20	1.80	479	<1	0.04	34	810	33	0.05	<2	7	37
CC81037		10	<1	0.29	20	1.46	363	<1	0.03	33	840	21	0.10	<2	5	32
CC81038		10	<1	0.25	20	3.05	1090	<1	0.03	30	820	13	0.03	<2	4	46
CC81039		<10	<1	0.31	20	3.75	638	<1	0.03	30	740	13	<0.01	<2	4	63
CC81040		<10	<1	0.27	10	3.80	610	<1	0.03	28	690	13	<0.01	<2	4	90

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 16- AUG- 2010
Account: RCM

Project: OCELOT

CERTIFICATE OF ANALYSIS VA10104918

Sample Description	Method Analyte Units LOR	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2
CC81001		<20	0.07	<10	<10	55	<10	269
CC81002		<20	0.07	<10	<10	72	<10	229
CC81003		<20	0.20	<10	<10	97	<10	154
CC81004		<20	0.08	<10	<10	67	<10	198
CC81005		<20	0.07	<10	<10	79	<10	123
CC81006		<20	0.08	<10	<10	60	<10	198
CC81007		<20	0.13	<10	<10	79	<10	139
CC81008		<20	0.05	<10	<10	84	<10	216
CC81009		<20	0.03	<10	<10	85	<10	192
CC81010		<20	0.03	<10	<10	85	<10	177
CC81011		<20	0.04	<10	<10	70	<10	147
CC81012		<20	0.09	<10	<10	66	<10	118
CC81013		<20	0.05	<10	<10	81	<10	164
CC81014		<20	0.05	<10	<10	77	<10	162
CC81015		<20	0.06	<10	<10	67	<10	98
CC81016		<20	0.12	<10	<10	51	<10	81
CC81017		<20	0.06	<10	<10	58	<10	120
CC81018		<20	0.11	<10	<10	46	<10	85
CC81019		<20	0.05	<10	<10	62	<10	140
CC81020		<20	0.05	<10	<10	83	<10	172
CC81021		<20	0.06	<10	<10	70	<10	129
CC81022		<20	0.04	<10	<10	65	<10	126
CC81023		<20	0.03	<10	<10	68	<10	141
CC81024		<20	0.12	<10	<10	60	<10	109
CC81025		<20	0.09	<10	<10	64	<10	116
CC81026		<20	0.03	<10	<10	77	<10	173
CC81027		<20	0.03	<10	<10	82	<10	179
CC81028		<20	0.04	<10	<10	78	<10	196
CC81029		<20	0.06	<10	<10	54	<10	190
CC81030		<20	0.08	<10	<10	55	<10	297
CC81031		<20	0.13	<10	<10	58	<10	189
CC81032		<20	0.10	<10	<10	73	<10	200
CC81033		<20	0.09	<10	<10	67	<10	244
CC81034		<20	0.10	<10	<10	73	<10	264
CC81035		<20	0.07	<10	<10	80	<10	159
CC81036		<20	0.06	<10	<10	78	<10	176
CC81037		<20	0.08	<10	<10	61	<10	152
CC81038		<20	0.07	<10	<10	51	<10	94
CC81039		<20	0.12	<10	<10	56	<10	91
CC81040		<20	0.11	<10	<10	50	<10	86

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VANCOUVER BC V6B 1L8

Finalized Date: 16- AUG- 2010
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Project: OCELOT

CERTIFICATE OF ANALYSIS VA10104918

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC81041		0.28	<0.001	0.3	1.33	7	<10	170	<0.5	<2	7.3	<0.5	11	32	36	2.77
CC81042		0.24	<0.001	0.4	1.84	9	<10	310	0.6	<2	4.26	<0.5	13	40	40	3.42
CC81043		0.26	<0.001	0.2	1.27	10	<10	150	<0.5	<2	7.0	0.5	10	30	29	2.56
CC81044		0.24	0.001	0.3	2.12	15	<10	510	0.8	<2	2.34	1.0	16	45	45	4.01
CC81045		0.22	<0.001	0.4	1.94	8	<10	350	0.5	<2	3.60	0.9	15	58	38	3.29
CC81046		0.24	0.003	0.2	1.84	10	<10	260	0.5	<2	5.62	0.5	15	62	34	3.41
CC81047		0.30	<0.001	0.3	1.59	12	<10	350	0.5	<2	7.7	0.5	12	45	37	3.13
CC81048		0.24	0.001	0.5	1.75	16	<10	370	0.6	<2	2.25	0.8	14	36	28	3.77
CC81049		0.14	<0.001	0.5	2.02	11	<10	700	0.5	<2	3.28	0.9	14	56	36	3.77
CC81050		0.14	<0.001	0.5	1.87	12	<10	670	0.6	<2	3.51	0.9	14	56	32	3.58
CC81051		0.30	0.004	0.5	1.44	14	<10	400	0.5	<2	5.46	1.1	11	32	39	2.94
CC81052		0.12	0.001	0.4	1.60	3	<10	390	0.7	<2	1.62	0.6	9	29	45	2.07
CC81053		0.20	0.002	0.2	1.35	9	<10	180	0.5	<2	3.04	<0.5	11	22	23	3.07
CC81054		0.24	0.002	<0.2	1.56	10	<10	190	0.6	<2	1.15	<0.5	11	28	30	3.42
CC81055		0.26	<0.001	0.2	1.43	10	<10	230	0.5	<2	2.25	<0.5	10	24	14	2.90
CC81056		0.20	0.004	<0.2	1.57	9	<10	200	0.5	<2	0.56	<0.5	11	28	21	3.66
CC81057		0.10	0.002	0.3	2.02	<2	<10	640	0.5	<2	1.85	0.8	17	62	34	2.88
CC81058		0.24	<0.001	0.2	1.87	3	<10	300	<0.5	<2	7.4	0.5	15	64	38	3.46
CC81059		0.30	<0.001	0.3	1.81	10	<10	350	0.5	2	9.8	<0.5	14	45	44	3.17
CC81060		0.26	0.002	0.3	2.06	16	<10	530	0.6	2	4.29	<0.5	15	47	41	3.44
CC81061		0.30	0.001	0.3	1.83	15	<10	380	0.5	3	7.9	0.5	15	52	38	3.13
CC81062		0.16	0.005	0.3	2.40	11	<10	960	0.9	<2	0.86	<0.5	14	40	22	3.59
CC81063		0.26	0.001	0.2	1.62	8	<10	320	<0.5	<2	9.5	0.6	13	44	42	2.94
CC81064		0.24	0.001	0.3	2.00	14	<10	390	0.8	<2	2.60	0.6	15	38	46	3.52
CC81065		0.24	<0.001	0.2	1.62	12	<10	270	<0.5	<2	9.1	0.7	12	44	42	2.81
CC81066		0.24	0.001	0.2	2.49	11	<10	410	0.8	2	1.03	<0.5	13	46	24	3.41
CC81067		0.26	0.005	0.2	1.95	13	<10	320	0.8	<2	0.89	<0.5	13	36	29	3.62
CC81068		0.22	<0.001	0.3	1.84	11	<10	330	0.7	<2	2.18	0.8	13	38	35	3.12
CC81069		0.18	0.002	0.2	1.57	10	<10	330	0.5	<2	4.81	0.7	13	39	39	2.98
CC81070		0.26	0.001	0.3	1.71	10	<10	330	0.5	<2	5.16	0.5	12	37	36	3.08
CC81071		0.28	<0.001	0.3	1.75	14	<10	760	0.6	<2	3.31	<0.5	15	39	32	3.54
CC81072		0.14	0.003	0.2	1.85	10	<10	690	0.7	<2	1.77	0.8	13	40	30	3.05
CC81073		0.22	<0.001	<0.2	1.90	2	<10	60	<0.5	<2	23.0	<0.5	5	27	13	1.85
CC81074		0.26	0.002	<0.2	1.34	<2	<10	<10	<0.5	3	>25.0	<0.5	2	13	5	0.78
CC81075		0.22	<0.001	<0.2	2.97	4	<10	110	0.7	<2	0.94	<0.5	33	197	21	5.02
CC81076		0.28	0.001	<0.2	1.86	13	<10	220	0.7	2	2.89	<0.5	13	35	35	3.55
CC81077		0.16	0.001	0.2	1.62	8	<10	150	0.5	<2	4.16	0.5	12	42	33	3.06
CC81078		0.18	0.003	0.2	1.63	9	<10	180	0.6	2	1.85	<0.5	13	28	36	3.38
CC81079		0.26	0.002	0.2	1.21	11	<10	90	<0.5	<2	7.5	<0.5	10	21	41	2.61
CC81080		0.24	<0.001	<0.2	1.77	12	<10	130	0.6	<2	0.30	<0.5	16	31	18	3.69

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Finalized Date: 16- AUG- 2010
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Project: OCELOT

CERTIFICATE OF ANALYSIS VA10104918

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC81041		<10	<1	0.16	10	3.51	773	<1	0.02	36	740	13	0.01	<2	3	65
CC81042		10	<1	0.22	20	2.75	799	<1	0.02	39	810	19	0.02	<2	4	45
CC81043		<10	1	0.14	10	3.54	668	<1	0.02	28	730	13	0.02	<2	3	60
CC81044		10	<1	0.31	20	1.94	877	<1	0.02	45	830	37	0.05	<2	6	30
CC81045		<10	<1	0.19	10	3.10	298	<1	0.02	52	830	25	0.04	<2	5	34
CC81046		10	<1	0.16	10	4.33	677	<1	0.02	56	960	18	0.04	<2	4	41
CC81047		<10	<1	0.18	10	3.45	726	<1	0.02	43	740	27	0.02	<2	4	78
CC81048		<10	<1	0.28	20	1.85	1040	<1	0.02	37	950	51	0.04	<2	5	29
CC81049		<10	<1	0.16	10	2.19	537	<1	0.01	45	920	48	0.13	<2	5	51
CC81050		10	<1	0.14	10	2.60	610	<1	0.02	41	920	55	0.06	<2	4	33
CC81051		<10	<1	0.19	10	3.73	720	<1	0.02	31	750	53	<0.01	<2	4	43
CC81052		<10	1	0.22	20	0.88	167	<1	0.02	31	590	23	0.18	<2	5	25
CC81053		<10	<1	0.17	20	1.78	656	<1	0.02	25	530	16	0.01	<2	3	27
CC81054		<10	<1	0.16	20	1.18	669	<1	0.02	28	740	17	0.04	<2	4	22
CC81055		<10	<1	0.15	20	1.80	282	<1	0.01	20	670	20	0.08	<2	4	21
CC81056		10	<1	0.19	20	0.99	595	<1	0.01	24	390	17	0.05	<2	4	12
CC81057		10	<1	0.16	10	1.71	812	<1	0.02	52	800	11	0.33	<2	5	28
CC81058		10	<1	0.23	10	3.49	669	<1	0.02	58	810	10	0.05	<2	5	83
CC81059		<10	1	0.23	10	2.09	434	1	0.02	56	670	20	0.02	<2	5	83
CC81060		<10	1	0.28	10	3.15	881	1	0.03	47	770	24	0.03	2	5	38
CC81061		10	<1	0.23	10	4.42	869	1	0.02	51	680	29	0.04	4	4	62
CC81062		10	<1	0.19	20	0.82	1065	1	0.04	30	320	28	0.03	<2	6	21
CC81063		<10	<1	0.23	10	4.13	706	1	0.02	46	650	21	0.03	<2	4	91
CC81064		<10	1	0.29	10	1.73	859	1	0.03	40	820	35	0.02	<2	5	35
CC81065		<10	1	0.25	10	4.18	703	1	0.02	43	660	21	0.02	3	4	90
CC81066		10	1	0.18	20	1.09	655	1	0.03	33	190	24	0.01	<2	6	24
CC81067		<10	<1	0.17	20	1.03	1005	1	0.02	37	420	33	0.02	<2	5	18
CC81068		<10	1	0.17	10	1.16	1135	1	0.02	39	800	24	0.06	2	3	30
CC81069		<10	1	0.24	10	3.05	688	1	0.03	40	750	23	0.04	5	4	42
CC81070		<10	1	0.28	10	3.59	746	1	0.03	35	740	22	0.01	2	5	41
CC81071		10	1	0.14	10	2.01	652	1	0.03	47	510	20	0.05	<2	4	34
CC81072		10	1	0.18	10	0.94	943	1	0.03	36	710	28	0.08	<2	3	21
CC81073		<10	<1	0.13	<10	2.59	303	<1	0.01	19	290	4	<0.01	<2	4	309
CC81074		<10	<1	0.01	<10	3.04	183	<1	0.01	4	140	5	<0.01	3	3	707
CC81075		10	<1	0.29	10	3.58	552	<1	0.03	130	1540	5	0.01	2	7	25
CC81076		10	1	0.16	20	1.97	927	1	0.03	34	550	24	0.03	2	4	33
CC81077		<10	1	0.17	10	1.95	636	1	0.02	29	480	20	0.04	2	3	47
CC81078		<10	<1	0.25	20	1.39	623	1	0.02	31	710	23	0.03	4	4	24
CC81079		<10	<1	0.15	10	3.45	715	1	0.02	21	620	22	0.02	<2	4	71
CC81080		<10	<1	0.17	20	0.96	1140	1	0.01	29	400	25	0.01	2	4	11

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CERTIFICATE OF ANALYSIS VA10104918

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC81041		<20	0.07	<10	<10	43	<10	94
CC81042		<20	0.06	<10	<10	55	<10	112
CC81043		<20	0.06	<10	<10	41	<10	93
CC81044		<20	0.05	<10	<10	64	<10	198
CC81045		<20	0.10	<10	<10	57	<10	171
CC81046		<20	0.10	<10	<10	52	<10	115
CC81047		<20	0.09	<10	<10	49	<10	129
CC81048		<20	0.05	<10	<10	62	<10	199
CC81049		<20	0.07	<10	<10	61	<10	187
CC81050		<20	0.04	<10	<10	60	<10	198
CC81051		<20	0.05	<10	<10	50	<10	196
CC81052		<20	0.02	<10	<10	52	<10	135
CC81053		<20	0.03	<10	<10	47	<10	90
CC81054		<20	0.06	<10	<10	61	<10	96
CC81055		<20	0.05	<10	<10	58	<10	115
CC81056		<20	0.07	<10	<10	71	<10	103
CC81057		<20	0.07	<10	<10	49	<10	143
CC81058		<20	0.14	<10	<10	53	<10	112
CC81059		<20	0.07	<10	<10	47	<10	146
CC81060		<20	0.07	<10	<10	61	<10	137
CC81061		<20	0.06	<10	<10	51	<10	137
CC81062		<20	0.06	<10	<10	77	<10	105
CC81063		<20	0.08	<10	<10	49	<10	121
CC81064		<20	0.04	<10	<10	64	<10	152
CC81065		<20	0.09	<10	<10	51	<10	124
CC81066		<20	0.07	<10	<10	76	<10	88
CC81067		<20	0.04	<10	<10	65	<10	111
CC81068		<20	0.03	<10	<10	56	<10	101
CC81069		<20	0.06	<10	<10	53	<10	136
CC81070		<20	0.08	<10	<10	59	<10	131
CC81071		<20	0.04	<10	<10	55	<10	92
CC81072		<20	0.03	<10	<10	54	<10	112
CC81073		<20	0.06	<10	<10	17	<10	35
CC81074		20	0.01	<10	<10	14	<10	12
CC81075		<20	0.38	<10	<10	89	<10	91
CC81076		<20	0.06	<10	<10	65	<10	104
CC81077		<20	0.04	<10	<10	53	<10	114
CC81078		<20	0.04	<10	<10	56	<10	113
CC81079		<20	0.06	<10	<10	51	<10	109
CC81080		<20	0.05	<10	<10	70	<10	139

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 16- AUG- 2010
Account: RCM

Project: OCELOT

CERTIFICATE OF ANALYSIS VA10104918

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC81081		0.20	<0.001	<0.2	1.41	11	<10	180	0.5	2	4.84	<0.5	11	24	32	2.86
CC81082		0.22	0.002	<0.2	1.11	7	<10	150	0.5	<2	8.3	<0.5	10	18	26	2.62
CC81083		0.30	<0.001	<0.2	3.49	4	<10	120	0.8	<2	2.24	<0.5	27	128	49	5.18
CC81084		0.16	<0.001	0.2	2.43	10	<10	260	0.9	<2	1.00	1.6	13	37	24	3.71
CC81085		0.30	0.003	<0.2	1.65	9	<10	260	0.6	<2	1.23	<0.5	11	28	23	2.96
CC81086		0.28	0.001	0.2	2.14	13	<10	280	0.8	<2	0.71	<0.5	15	36	44	3.66
CC81087		0.26	0.001	0.2	1.79	9	<10	150	0.7	2	0.48	<0.5	12	30	25	3.36
CC81088		0.30	0.007	0.3	1.71	13	<10	210	0.6	2	1.81	<0.5	12	31	31	3.41
CC81089		0.22	0.001	0.3	1.43	11	<10	200	0.5	2	3.43	<0.5	10	25	34	2.99
CC81090		0.28	0.001	0.2	1.64	11	<10	230	0.5	3	3.39	<0.5	11	27	32	2.93
CC81091		0.32	0.001	0.2	2.04	8	<10	270	0.5	<2	3.10	<0.5	18	76	41	3.70
CC81092		0.26	0.001	<0.2	1.81	10	<10	210	0.5	<2	3.88	<0.5	14	46	33	3.25
CC81093		0.28	<0.001	<0.2	1.68	7	<10	180	<0.5	3	14.8	<0.5	13	43	29	2.81
CC81094		0.26	<0.001	<0.2	0.83	5	<10	110	<0.5	<2	24.2	<0.5	6	12	14	1.51
CC81095		0.30	0.002	<0.2	1.26	11	<10	280	0.5	<2	10.4	0.5	9	21	29	2.36
CC81096		0.26	0.003	0.2	2.97	19	<10	580	1.2	<2	0.99	<0.5	14	45	47	4.43
CC81097		0.26	0.003	<0.2	2.21	13	<10	500	0.9	<2	0.92	<0.5	11	33	25	3.38
CC81098		0.22	0.001	<0.2	2.02	8	<10	370	0.5	<2	5.17	<0.5	15	60	40	3.46
CC81099		0.30	0.001	<0.2	1.65	10	<10	260	<0.5	<2	6.51	<0.5	13	46	38	3.11
CC81100		0.24	0.009	0.3	2.44	15	<10	410	0.9	<2	0.95	<0.5	13	39	47	3.73
CC81101		0.16	0.004	0.4	2.54	10	<10	410	0.7	<2	3.08	0.7	18	91	48	3.94
CC81102		0.14	0.003	0.3	1.98	14	<10	390	0.6	<2	2.32	0.7	14	60	36	3.39
CC81103		0.14	0.004	0.4	1.70	32	<10	3070	0.5	<2	2.53	1.8	12	41	37	2.99
CC81104		0.16	0.003	0.2	1.70	12	<10	710	0.5	<2	2.12	2.2	13	49	40	2.65
CC81105		0.26	0.016	1.8	0.91	282	<10	620	0.5	<2	12.7	2.5	9	19	21	4.94
CC81106		0.20	0.002	0.2	1.66	15	<10	600	0.5	<2	3.25	3.5	13	50	40	3.22
CC81107		0.18	0.009	<0.2	1.07	6	<10	540	<0.5	<2	5.63	0.8	8	28	27	1.85
CC81108		0.28	0.002	0.4	1.77	15	<10	620	0.5	<2	5.13	0.6	17	49	54	3.96
CC81109		0.24	0.002	<0.2	1.68	12	<10	240	0.6	<2	7.6	0.7	13	32	44	3.12
CC81110		0.24	0.003	<0.2	2.74	9	<10	260	0.8	<2	0.74	<0.5	21	106	45	4.05
CC81111		0.22	0.002	<0.2	2.12	16	<10	240	0.9	<2	2.43	0.7	16	34	55	3.87
CC81112		0.20	0.001	0.2	2.10	13	<10	340	0.8	<2	2.89	<0.5	14	35	48	3.59
CC81113		0.28	<0.001	<0.2	1.59	6	<10	160	<0.5	<2	10.5	<0.5	11	38	38	2.68
CC81114		0.30	<0.001	<0.2	1.39	5	<10	120	0.5	<2	14.0	<0.5	9	24	26	2.28
CC81115		0.32	<0.001	<0.2	1.22	14	<10	130	0.5	2	8.9	<0.5	12	18	28	3.15
CC81116		0.32	<0.001	<0.2	0.97	7	<10	160	<0.5	<2	13.6	<0.5	8	16	26	2.02
CC81117		0.32	0.001	<0.2	1.26	7	<10	210	<0.5	<2	10.1	0.5	10	23	31	2.51
CC81118		0.24	<0.001	<0.2	1.51	14	<10	320	0.5	<2	7.7	0.5	12	39	29	2.84
CC81119		0.20	0.002	0.2	1.58	19	<10	610	0.5	<2	5.40	1.3	12	35	36	2.95
CC81120		0.22	0.002	0.2	1.80	15	<10	620	0.7	<2	1.08	0.5	13	34	33	3.38

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Project: OCELOT

CERTIFICATE OF ANALYSIS VA10104918

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC81081		<10	1	0.17	10	2.87	783	1	0.02	28	630	19	0.03	4	4	41
CC81082		<10	1	0.21	10	1.48	490	<1	0.02	30	610	15	0.04	2	3	66
CC81083		10	1	0.80	10	4.39	435	<1	0.02	87	1150	7	0.02	<2	9	20
CC81084		10	<1	0.16	20	0.87	865	1	0.02	32	490	32	0.04	4	5	19
CC81085		<10	<1	0.12	10	0.87	694	1	0.01	24	400	25	0.03	3	4	21
CC81086		10	1	0.28	20	1.03	966	1	0.03	38	630	34	0.06	2	6	22
CC81087		<10	<1	0.12	20	0.78	783	<1	0.02	29	260	23	0.04	<2	5	13
CC81088		<10	<1	0.22	20	1.51	844	1	0.03	29	700	24	0.04	3	5	28
CC81089		<10	1	0.17	10	2.48	694	1	0.02	26	670	22	0.03	2	4	28
CC81090		<10	1	0.17	10	1.99	525	1	0.03	27	440	22	0.03	2	4	34
CC81091		10	1	0.16	10	2.77	680	<1	0.03	67	940	17	0.05	<2	5	35
CC81092		<10	1	0.25	10	2.29	585	1	0.03	45	730	17	0.05	<2	5	48
CC81093		<10	1	0.17	10	2.47	613	<1	0.02	44	580	12	0.02	<2	4	231
CC81094		<10	1	0.17	10	0.58	335	<1	0.02	15	270	12	<0.01	2	3	152
CC81095		<10	<1	0.14	10	3.33	626	2	0.02	32	560	23	0.03	3	3	81
CC81096		10	<1	0.17	20	1.15	904	2	0.03	44	350	34	0.03	<2	8	15
CC81097		10	<1	0.11	20	0.69	760	1	0.03	29	320	25	0.03	<2	5	20
CC81098		<10	<1	0.23	10	3.04	715	1	0.03	55	640	19	0.03	<2	5	51
CC81099		<10	<1	0.21	10	3.36	679	1	0.03	45	700	18	0.02	3	4	62
CC81100		10	<1	0.30	20	1.16	726	1	0.03	42	950	37	0.02	4	6	28
CC81101		10	<1	0.18	10	3.42	850	1	0.02	62	1080	80	0.07	5	7	38
CC81102		<10	1	0.20	10	2.05	529	1	0.02	49	850	52	0.06	2	5	30
CC81103		<10	<1	0.15	20	1.88	285	1	0.06	42	1030	121	0.14	6	4	36
CC81104		10	<1	0.16	10	1.46	342	1	0.03	45	800	62	0.11	3	5	28
CC81105		<10	<1	0.12	10	8.42	1330	5	0.03	49	510	1150	0.03	48	4	125
CC81106		<10	1	0.16	10	2.08	328	1	0.03	48	870	31	0.11	2	4	34
CC81107		10	1	0.10	<10	2.02	649	<1	0.03	28	870	18	0.14	2	1	49
CC81108		<10	<1	0.23	10	3.50	609	2	0.03	69	800	34	0.04	<2	5	45
CC81109		<10	<1	0.26	10	3.21	761	2	0.03	36	740	25	0.02	2	5	79
CC81110		10	<1	0.25	20	1.74	579	1	0.03	80	480	17	0.01	<2	6	39
CC81111		<10	<1	0.30	20	2.10	1115	1	0.02	44	760	42	0.02	3	6	30
CC81112		<10	<1	0.23	10	1.56	914	1	0.02	38	720	34	0.03	<2	5	40
CC81113		<10	<1	0.17	10	3.81	610	<1	0.02	38	750	15	0.02	2	4	112
CC81114		<10	<1	0.17	10	3.29	602	<1	0.02	26	630	11	0.03	<2	3	123
CC81115		<10	<1	0.28	10	1.60	709	2	0.01	31	450	23	0.02	2	3	92
CC81116		<10	1	0.16	10	5.32	586	1	0.02	22	530	14	0.02	2	3	109
CC81117		<10	1	0.17	10	4.47	671	1	0.02	30	630	16	0.02	3	3	83
CC81118		<10	<1	0.20	10	5.29	781	1	0.03	40	740	49	0.03	<2	3	49
CC81119		<10	<1	0.15	10	3.66	767	1	0.03	36	690	94	0.03	<2	4	36
CC81120		10	<1	0.16	20	1.00	726	1	0.04	35	500	60	0.03	<2	4	25

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CERTIFICATE OF ANALYSIS VA10104918

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC81081		<20	0.04	<10	<10	51	<10	91
CC81082		<20	0.02	<10	<10	30	<10	91
CC81083		<20	0.33	<10	<10	83	<10	107
CC81084		<20	0.04	<10	<10	73	<10	157
CC81085		<20	0.04	<10	<10	56	<10	92
CC81086		<20	0.05	<10	<10	71	<10	138
CC81087		<20	0.05	<10	<10	68	<10	84
CC81088		<20	0.07	<10	<10	64	<10	102
CC81089		<20	0.06	<10	<10	57	<10	99
CC81090		<20	0.06	<10	<10	60	<10	98
CC81091		<20	0.15	<10	<10	60	<10	109
CC81092		<20	0.09	<10	<10	55	<10	100
CC81093		<20	0.11	<10	<10	39	<10	81
CC81094		<20	0.02	<10	<10	19	<10	51
CC81095		<20	0.03	<10	<10	39	<10	107
CC81096		<20	0.04	<10	<10	95	<10	131
CC81097		<20	0.03	<10	<10	68	<10	82
CC81098		<20	0.09	<10	<10	58	<10	103
CC81099		<20	0.08	<10	<10	51	<10	110
CC81100		<20	0.04	<10	<10	73	<10	137
CC81101		<20	0.07	<10	<10	82	<10	166
CC81102		<20	0.05	<10	<10	64	<10	183
CC81103		<20	0.03	<10	<10	53	<10	345
CC81104		<20	0.06	<10	<10	53	<10	260
CC81105		<20	0.02	<10	<10	51	10	2050
CC81106		<20	0.07	<10	<10	47	<10	314
CC81107		<20	0.02	<10	<10	28	<10	99
CC81108		<20	0.10	<10	<10	50	<10	148
CC81109		<20	0.07	<10	<10	52	<10	127
CC81110		<20	0.26	<10	<10	74	<10	90
CC81111		<20	0.04	<10	<10	66	<10	176
CC81112		<20	0.03	<10	<10	61	<10	137
CC81113		<20	0.12	<10	<10	43	<10	89
CC81114		<20	0.06	<10	<10	33	<10	71
CC81115		<20	0.03	<10	<10	26	<10	121
CC81116		<20	0.04	<10	<10	32	<10	79
CC81117		<20	0.06	<10	<10	41	<10	93
CC81118		<20	0.06	<10	<10	51	<10	159
CC81119		<20	0.04	<10	<10	53	<10	210
CC81120		<20	0.05	<10	<10	59	<10	168

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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC81121		0.22	0.007	0.4	1.58	16	<10	620	0.5	<2	4.19	3.4	12	37	30	3.21
CC81122		0.26	0.001	<0.2	1.87	8	<10	410	0.5	<2	2.84	0.5	15	62	44	3.36
CC81123		0.28	0.004	<0.2	2.66	15	<10	360	0.9	<2	1.01	<0.5	14	48	22	3.98
CC81124		0.28	0.001	0.2	1.96	9	<10	290	0.5	<2	3.36	<0.5	15	61	35	3.56
CC81125		0.14	0.001	0.2	1.75	10	<10	370	<0.5	<2	7.0	0.6	14	54	37	3.24
CC81126		0.26	0.002	0.2	2.00	12	<10	350	0.7	<2	6.24	0.8	13	43	50	3.49
CC81127		0.26	0.002	<0.2	2.25	17	<10	330	0.9	<2	1.94	0.9	16	37	59	4.14
CC81128		0.28	0.004	<0.2	2.07	15	<10	330	0.7	<2	6.72	0.6	15	40	49	3.57
CC81129		0.28	0.003	<0.2	1.87	12	<10	280	0.7	<2	5.49	0.5	14	31	48	3.36
CC81130		0.16	0.001	<0.2	2.38	11	<10	400	0.8	<2	1.25	<0.5	13	44	21	3.77
CC81131		0.20	0.006	<0.2	2.56	4	<10	260	0.7	<2	2.39	0.5	19	76	44	3.98
CC81132		0.24	0.001	0.2	1.27	7	<10	190	0.5	<2	9.8	<0.5	9	22	31	2.41
CC81133		0.26	<0.001	<0.2	4.01	5	<10	330	1.0	<2	8.0	<0.5	32	144	46	5.90
CC81134		0.18	<0.001	<0.2	3.24	<2	<10	450	1.1	<2	2.21	<0.5	39	151	42	5.24
CC81135		0.22	0.011	1.0	1.66	46	<10	3330	0.6	<2	6.01	7.0	12	39	64	3.62
CC81136		0.26	0.001	0.2	1.86	13	<10	640	0.8	<2	0.76	0.8	12	33	30	3.50
CC81137		0.20	0.002	<0.2	1.51	11	<10	860	0.5	<2	3.39	4.6	12	31	34	2.90
CC81138		0.18	0.006	0.4	1.86	13	<10	560	0.8	<2	1.63	1.4	13	36	37	3.50
CC81139		0.24	0.001	0.2	1.80	29	<10	610	0.5	<2	5.67	1.4	13	49	40	3.51
CC81140		0.14	0.003	0.3	1.63	6	<10	410	0.5	<2	4.64	0.5	11	40	23	2.65
CC81141		0.26	0.001	0.4	1.77	8	<10	190	<0.5	<2	6.87	<0.5	15	56	37	3.30
CC81142		0.18	0.003	0.2	1.42	4	<10	510	<0.5	<2	4.26	<0.5	14	50	32	3.23
CC81143		0.30	<0.001	0.2	0.62	15	<10	170	<0.5	<2	20.4	0.8	6	12	11	1.71
CC81144		0.18	0.001	0.2	1.76	3	<10	300	0.5	<2	1.32	<0.5	12	48	31	2.78
CC81145		0.16	0.002	0.3	1.77	4	<10	250	0.5	<2	3.14	0.5	13	47	35	2.70
CC81146		0.18	<0.001	0.3	1.86	2	<10	270	0.6	<2	3.66	0.9	13	40	39	2.60
CC81147		0.22	0.001	0.2	2.70	7	<10	240	0.8	<2	2.61	<0.5	18	63	38	4.33
CC81148		0.30	0.003	0.2	0.92	5	<10	140	<0.5	<2	12.5	<0.5	8	17	22	1.83
CC81149		0.30	0.001	0.3	1.52	9	<10	240	0.6	<2	2.98	<0.5	11	26	32	2.99
CC81150		0.20	0.001	<0.2	3.01	4	<10	360	0.6	<2	1.17	<0.5	33	85	40	5.13
CC81151		0.30	<0.001	0.2	0.59	5	<10	50	<0.5	<2	22.8	<0.5	5	9	10	1.31
CC81152		0.22	<0.001	0.2	1.24	11	<10	140	<0.5	<2	4.73	<0.5	10	21	36	2.78
CC81153		0.24	0.001	0.2	1.25	9	<10	130	0.5	<2	3.51	<0.5	10	20	37	2.79
CC81154		0.26	0.001	0.3	1.33	10	<10	280	<0.5	<2	5.03	0.5	10	21	31	2.80
CC81155		0.18	0.001	<0.2	2.11	10	<10	250	0.7	<2	0.28	<0.5	10	33	19	3.09
CC81156		0.28	<0.001	<0.2	0.29	2	<10	30	<0.5	<2	24.8	<0.5	3	3	5	0.68
CC81157		0.26	<0.001	0.2	1.16	10	<10	150	0.5	<2	6.17	0.7	10	18	23	2.75
CC81158		0.28	0.001	<0.2	0.86	4	<10	70	<0.5	<2	12.9	<0.5	6	13	17	1.82
CC81159		0.26	<0.001	0.2	1.22	6	<10	130	<0.5	<2	8.3	<0.5	9	19	24	2.34
CC81160		0.22	0.001	<0.2	1.97	14	<10	270	0.7	<2	2.48	<0.5	12	30	25	3.47

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 16- AUG- 2010
Account: RCM

Project: OCELOT

CERTIFICATE OF ANALYSIS VA10104918

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC81121		<10	<1	0.14	10	2.69	836	1	0.03	39	890	77	0.06	<2	3	32
CC81122		<10	1	0.16	10	1.82	497	<1	0.02	63	860	19	0.08	<2	4	39
CC81123		10	<1	0.16	20	1.27	628	1	0.02	43	230	32	0.02	<2	6	17
CC81124		<10	<1	0.14	10	2.67	696	1	0.02	59	830	20	0.04	<2	4	36
CC81125		<10	<1	0.16	10	3.19	694	<1	0.03	55	850	32	0.03	3	4	73
CC81126		<10	<1	0.26	10	2.88	785	1	0.03	45	820	26	0.03	3	5	69
CC81127		10	<1	0.35	20	1.62	1060	1	0.02	44	780	46	0.04	3	6	29
CC81128		10	<1	0.29	10	3.12	896	1	0.03	46	720	28	0.02	3	5	71
CC81129		10	1	0.25	10	2.84	883	1	0.03	37	730	30	0.02	<2	5	55
CC81130		10	<1	0.14	20	1.29	625	1	0.03	40	360	20	0.02	3	5	35
CC81131		10	<1	0.15	10	3.41	567	<1	0.02	78	1190	13	0.09	<2	5	42
CC81132		<10	<1	0.27	10	4.86	503	1	0.02	23	530	16	<0.01	<2	4	72
CC81133		10	<1	0.88	10	5.94	814	<1	0.02	160	1520	2	<0.01	<2	4	239
CC81134		10	<1	0.86	10	4.54	668	<1	<0.01	175	1400	<2	<0.01	<2	3	83
CC81135		<10	<1	0.19	20	3.96	1420	1	0.03	46	750	2340	0.06	7	5	51
CC81136		10	<1	0.13	20	0.89	807	1	0.02	34	360	76	0.02	2	4	17
CC81137		<10	1	0.13	10	1.80	923	1	0.02	33	770	62	0.06	<2	3	30
CC81138		<10	<1	0.13	10	0.89	965	2	0.02	34	660	63	0.05	3	4	23
CC81139		<10	<1	0.18	10	3.73	737	1	0.01	52	750	47	0.02	<2	5	47
CC81140		<10	<1	0.11	10	2.54	826	<1	0.02	32	670	20	0.04	<2	2	38
CC81141		10	<1	0.15	10	2.88	622	<1	0.02	51	750	12	<0.01	<2	4	87
CC81142		<10	<1	0.16	10	1.79	583	<1	0.01	49	720	9	0.06	<2	3	56
CC81143		<10	<1	0.16	10	0.61	1190	<1	<0.01	20	240	21	<0.01	<2	3	267
CC81144		<10	<1	0.16	10	1.21	226	<1	0.02	44	690	13	0.08	<2	4	29
CC81145		<10	<1	0.18	10	2.25	267	<1	0.02	43	730	15	0.08	<2	5	37
CC81146		<10	<1	0.23	10	2.65	362	<1	0.02	37	680	18	0.11	<2	5	39
CC81147		10	<1	0.38	20	2.52	730	<1	0.02	61	730	21	<0.01	<2	5	60
CC81148		<10	<1	0.16	10	4.77	504	<1	0.01	19	450	9	<0.01	<2	3	100
CC81149		<10	<1	0.16	20	2.08	707	<1	0.02	26	610	15	<0.01	<2	4	33
CC81150		10	<1	0.55	10	2.58	692	<1	0.01	98	1170	4	<0.01	<2	4	26
CC81151		<10	1	0.12	10	1.04	383	<1	<0.01	11	150	4	<0.01	<2	2	221
CC81152		<10	<1	0.13	10	3.03	725	<1	0.01	22	670	16	<0.01	<2	4	39
CC81153		<10	<1	0.11	10	2.27	601	<1	0.01	23	520	14	<0.01	<2	3	31
CC81154		<10	1	0.10	10	2.63	679	<1	0.01	21	490	17	<0.01	<2	4	44
CC81155		10	<1	0.07	20	0.59	398	<1	0.01	22	160	15	<0.01	<2	5	13
CC81156		<10	<1	0.11	10	0.48	231	<1	<0.01	5	90	6	<0.01	<2	2	253
CC81157		<10	<1	0.13	20	2.95	605	<1	0.01	23	400	15	<0.01	<2	3	48
CC81158		<10	<1	0.08	10	2.25	383	<1	0.01	13	260	12	<0.01	<2	3	117
CC81159		<10	<1	0.11	10	2.63	544	<1	0.01	19	530	12	<0.01	<2	3	75
CC81160		10	<1	0.11	20	1.70	826	<1	0.01	29	340	20	<0.01	<2	5	27

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CERTIFICATE OF ANALYSIS VA10104918

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC81121		<20	0.04	<10	<10	49	<10	414
CC81122		<20	0.08	<10	<10	48	<10	114
CC81123		<20	0.06	<10	<10	71	<10	133
CC81124		<20	0.10	<10	<10	54	<10	118
CC81125		<20	0.11	<10	<10	50	<10	141
CC81126		<20	0.08	<10	<10	59	<10	153
CC81127		<20	0.04	<10	<10	70	<10	204
CC81128		<20	0.08	<10	<10	61	<10	146
CC81129		<20	0.05	<10	<10	58	<10	137
CC81130		<20	0.07	<10	<10	68	<10	83
CC81131		<20	0.22	<10	<10	72	<10	133
CC81132		<20	0.05	<10	<10	45	<10	91
CC81133		<20	0.59	<10	<10	100	<10	99
CC81134		<20	0.35	<10	<10	98	<10	86
CC81135		<20	0.05	<10	<10	105	<10	1275
CC81136		<20	0.04	<10	<10	62	<10	147
CC81137		<20	0.03	<10	<10	48	<10	283
CC81138		<20	0.03	<10	<10	56	<10	425
CC81139		<20	0.08	<10	<10	51	<10	277
CC81140		<20	0.04	<10	<10	46	<10	92
CC81141		<20	0.12	<10	<10	52	<10	87
CC81142		<20	0.07	<10	<10	36	<10	79
CC81143		<20	0.02	<10	<10	9	<10	197
CC81144		<20	0.07	<10	<10	50	<10	92
CC81145		<20	0.08	<10	<10	50	<10	118
CC81146		<20	0.07	<10	<10	52	<10	137
CC81147		<20	0.14	<10	<10	73	<10	102
CC81148		<20	0.04	<10	<10	29	<10	71
CC81149		<20	0.04	<10	<10	52	<10	96
CC81150		<20	0.26	<10	<10	66	<10	90
CC81151		<20	0.02	<10	<10	9	<10	28
CC81152		<20	0.05	<10	<10	54	<10	104
CC81153		<20	0.04	<10	<10	50	<10	87
CC81154		<20	0.05	<10	<10	53	<10	100
CC81155		<20	0.05	<10	<10	67	<10	72
CC81156		<20	<0.01	<10	<10	3	<10	15
CC81157		<20	0.03	<10	<10	36	<10	100
CC81158		<20	0.02	<10	<10	28	<10	50
CC81159		<20	0.03	<10	<10	37	<10	70
CC81160		<20	0.04	<10	<10	65	<10	95

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Project: OCELOT

CERTIFICATE OF ANALYSIS VA10104918

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC81161		0.24	0.001	<0.2	2.00	5	<10	80	<0.5	<2	13.1	<0.5	20	101	57	4.23
CC81162		0.24	0.001	0.3	1.54	7	<10	80	<0.5	<2	16.8	<0.5	13	34	22	2.53
CC81163		0.16	0.003	0.2	0.87	6	<10	560	<0.5	<2	8.4	0.5	7	17	31	1.64
CC81164		0.16	0.049	0.2	1.21	7	<10	2130	0.5	<2	3.57	0.5	8	19	25	2.25
CC81165		0.28	0.002	0.3	2.10	12	<10	570	0.8	<2	0.58	<0.5	15	35	26	3.68
CC81166		0.34	0.001	0.3	1.27	7	<10	200	<0.5	<2	8.7	0.7	10	29	36	2.61
CC81167		0.30	0.004	0.2	1.40	12	<10	360	0.5	<2	4.24	0.7	13	33	43	3.04
CC81168		0.22	0.002	<0.2	1.56	11	<10	360	0.6	<2	1.95	<0.5	11	27	26	3.16
CC81169		0.34	<0.001	0.3	1.07	12	<10	210	<0.5	<2	8.7	0.8	9	18	31	2.31
CC81170		0.24	0.001	0.2	1.82	11	<10	240	0.6	<2	1.89	<0.5	12	38	30	3.23
CC81171		0.26	0.001	<0.2	3.24	15	<10	480	<0.5	<2	6.35	<0.5	33	201	86	5.44
CC81172		0.30	0.001	0.3	1.57	10	<10	320	0.5	<2	2.86	<0.5	12	35	28	3.06
CC81173		0.22	<0.001	<0.2	1.88	8	<10	470	0.7	<2	1.18	0.8	12	33	20	3.51
CC81174		0.20	0.002	0.2	1.22	10	<10	370	0.5	<2	2.17	0.6	9	24	32	2.48
CC81175		0.32	0.001	0.3	2.21	9	<10	130	0.5	<2	5.68	<0.5	18	83	48	4.03
CC81176		0.22	0.003	<0.2	1.72	5	<10	150	0.5	<2	7.7	<0.5	14	56	23	3.25
CC81177		0.30	<0.001	0.3	1.46	10	<10	170	0.5	<2	7.2	<0.5	10	23	23	2.58
CC81178		0.26	0.002	0.2	0.97	6	<10	160	<0.5	<2	9.3	<0.5	8	16	25	2.14
CC81179		0.28	<0.001	0.4	0.51	3	<10	50	<0.5	<2	20.3	<0.5	6	7	11	1.48
CC81180		0.28	<0.001	0.3	1.83	<2	<10	50	0.5	<2	18.7	<0.5	12	52	22	2.48
CC81181		0.20	0.001	0.3	0.82	3	<10	160	<0.5	<2	12.7	<0.5	7	22	46	1.65
CC81182		0.34	<0.001	<0.2	0.42	2	<10	50	<0.5	<2	21.2	<0.5	5	5	11	1.33
CC81183		0.24	0.001	0.3	1.19	9	<10	360	0.5	<2	3.39	<0.5	10	21	34	2.67
CC81184		0.32	0.002	0.2	0.83	10	<10	140	<0.5	<2	10.6	<0.5	8	14	23	2.34
CC81185		0.20	0.001	0.3	0.95	4	<10	320	<0.5	<2	3.22	<0.5	7	15	29	2.00
CC81186		0.40	0.001	0.2	1.19	11	<10	140	<0.5	<2	5.71	0.5	10	19	32	2.81
CC81187		0.20	<0.001	<0.2	1.17	11	<10	200	0.5	<2	3.69	<0.5	10	20	21	2.85
CC81188		0.26	0.001	0.3	1.60	17	<10	250	0.6	<2	1.60	<0.5	15	28	24	3.68
CC81189		0.18	0.001	0.2	0.98	3	<10	300	<0.5	<2	1.60	0.6	4	20	19	1.49
CC81190		0.16	0.002	0.5	0.62	12	<10	400	<0.5	<2	16.1	<0.5	6	13	38	1.11
CC81191		0.16	<0.001	0.2	1.84	3	<10	60	0.5	<2	16.4	<0.5	13	51	24	2.60
CC81192		0.30	<0.001	0.2	0.40	<2	<10	50	<0.5	<2	23.4	<0.5	4	5	6	0.85
CC81193		0.34	0.002	<0.2	0.72	2	<10	30	<0.5	<2	17.2	<0.5	4	7	8	1.20
CC81194		0.36	0.001	<0.2	1.23	9	<10	160	0.5	<2	9.8	<0.5	8	17	13	2.12
CC81195		0.28	0.004	0.2	1.14	2	<10	20	<0.5	<2	22.7	<0.5	4	16	6	1.33
CC81196		0.30	0.002	0.2	0.91	5	<10	170	<0.5	<2	16.2	<0.5	9	15	16	2.42
CC81197		0.24	0.002	<0.2	1.94	9	<10	300	0.8	<2	0.34	<0.5	12	36	30	3.36
CC81198		0.34	0.001	0.2	1.41	11	<10	370	0.5	<2	3.94	0.5	12	29	30	3.07

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CERTIFICATE OF ANALYSIS VA10104918

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC81161		<10	<1	0.13	10	2.14	572	<1	0.01	96	1090	3	<0.01	<2	5	425
CC81162		<10	<1	0.13	10	1.89	956	<1	0.01	37	310	7	<0.01	<2	4	371
CC81163		<10	<1	0.11	10	1.54	144	<1	0.01	22	490	12	0.09	<2	3	53
CC81164		<10	<1	0.07	10	0.61	710	<1	0.02	20	660	11	0.09	<2	2	31
CC81165		10	<1	0.14	20	0.93	978	<1	0.01	32	310	35	<0.01	<2	5	15
CC81166		<10	<1	0.16	10	3.55	778	<1	0.02	31	650	16	<0.01	<2	4	76
CC81167		10	<1	0.13	10	2.67	854	<1	0.01	44	790	19	0.01	<2	4	40
CC81168		10	<1	0.12	20	1.41	1130	<1	0.01	31	640	25	<0.01	<2	3	20
CC81169		10	<1	0.12	10	3.57	663	<1	0.01	23	630	17	<0.01	<2	4	73
CC81170		<10	<1	0.09	20	1.52	561	<1	0.01	34	280	17	<0.01	2	5	22
CC81171		10	<1	0.43	10	3.29	615	<1	0.01	120	650	5	0.19	<2	10	125
CC81172		<10	<1	0.12	10	1.97	748	<1	0.01	33	520	19	<0.01	<2	4	31
CC81173		10	<1	0.10	20	1.14	845	<1	0.01	29	300	23	<0.01	<2	5	16
CC81174		<10	<1	0.11	10	1.46	258	<1	0.02	24	690	18	0.05	<2	4	24
CC81175		10	<1	0.13	10	3.24	660	<1	0.01	71	710	9	<0.01	<2	4	73
CC81176		<10	<1	0.10	10	1.64	1035	<1	0.01	46	510	11	<0.01	<2	3	77
CC81177		<10	<1	0.09	10	1.45	521	<1	0.01	20	370	16	<0.01	<2	4	84
CC81178		<10	<1	0.09	10	1.92	554	<1	0.01	16	550	12	0.01	<2	3	81
CC81179		<10	<1	0.08	10	1.60	396	<1	0.01	11	180	8	<0.01	<2	2	173
CC81180		10	<1	0.20	10	2.70	510	<1	<0.01	43	700	3	<0.01	<2	4	303
CC81181		<10	<1	0.09	10	4.17	312	<1	0.01	20	370	7	0.12	<2	3	121
CC81182		<10	<1	0.10	10	0.82	224	<1	<0.01	10	130	6	<0.01	<2	2	209
CC81183		<10	<1	0.09	10	1.64	800	<1	0.01	23	720	17	0.01	<2	3	34
CC81184		<10	<1	0.09	10	2.01	428	<1	0.01	22	500	12	<0.01	<2	3	82
CC81185		<10	<1	0.05	10	0.53	538	<1	0.01	17	800	13	0.09	<2	1	34
CC81186		<10	<1	0.13	10	3.50	832	<1	0.01	23	660	18	<0.01	<2	3	53
CC81187		<10	<1	0.10	10	2.09	1270	<1	0.01	21	510	15	0.01	<2	3	35
CC81188		10	<1	0.16	20	1.34	762	<1	0.01	28	690	26	<0.01	<2	5	27
CC81189		<10	<1	0.07	10	0.49	241	<1	0.01	10	550	9	0.23	<2	3	35
CC81190		<10	<1	0.10	10	1.50	609	<1	0.02	25	430	6	0.21	<2	2	264
CC81191		<10	<1	0.19	10	3.11	459	<1	0.01	44	770	4	0.02	<2	3	265
CC81192		<10	<1	0.09	10	1.67	202	<1	0.01	5	110	4	<0.01	<2	2	201
CC81193		<10	<1	0.13	10	2.18	175	<1	<0.01	7	160	2	<0.01	<2	2	152
CC81194		<10	<1	0.08	10	1.52	512	<1	0.01	15	210	13	<0.01	<2	3	107
CC81195		<10	<1	0.06	<10	2.72	272	<1	0.01	9	110	2	<0.01	<2	3	252
CC81196		<10	<1	0.12	20	1.05	311	<1	0.01	26	360	10	<0.01	<2	3	166
CC81197		<10	<1	0.10	20	0.74	632	<1	0.01	29	160	18	<0.01	<2	6	13
CC81198		10	<1	0.13	20	2.87	910	<1	0.01	35	840	21	<0.01	<2	4	31

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 16- AUG- 2010
Account: RCM

Project: OCELOT

CERTIFICATE OF ANALYSIS VA10104918

Sample Description	Method Analyte Units LOR	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2
CC81161		<20	0.30	<10	<10	36	<10	68
CC81162		<20	0.07	<10	<10	24	<10	46
CC81163		<20	0.02	<10	<10	25	<10	87
CC81164		<20	0.02	<10	<10	34	<10	69
CC81165		<20	0.03	<10	<10	68	<10	107
CC81166		<20	0.06	<10	<10	47	<10	116
CC81167		<20	0.03	<10	<10	49	<10	147
CC81168		<20	0.03	<10	<10	54	<10	132
CC81169		<20	0.04	<10	<10	43	<10	119
CC81170		<20	0.05	<10	<10	60	<10	93
CC81171		<20	0.11	<10	<10	73	<10	83
CC81172		<20	0.04	<10	<10	53	<10	104
CC81173		<20	0.04	<10	<10	64	<10	119
CC81174		<20	0.04	<10	<10	46	<10	108
CC81175		<20	0.18	<10	<10	60	<10	96
CC81176		<20	0.08	<10	<10	41	<10	87
CC81177		<20	0.02	<10	<10	42	<10	70
CC81178		<20	0.02	<10	<10	28	<10	62
CC81179		<20	0.01	<10	<10	11	<10	36
CC81180		<20	0.14	<10	<10	43	<10	48
CC81181		<20	0.02	<10	<10	22	<10	34
CC81182		<20	<0.01	<10	<10	4	<10	21
CC81183		<20	0.03	<10	<10	44	<10	82
CC81184		<20	0.02	<10	<10	29	<10	76
CC81185		<20	0.01	<10	<10	30	<10	71
CC81186		<20	0.06	<10	<10	53	<10	108
CC81187		<20	0.03	<10	<10	49	<10	94
CC81188		<20	0.04	<10	<10	58	<10	129
CC81189		<20	0.03	<10	10	29	<10	66
CC81190		<20	0.04	<10	<10	22	<10	68
CC81191		<20	0.21	<10	<10	40	<10	50
CC81192		<20	0.01	<10	<10	5	<10	19
CC81193		<20	0.01	<10	<10	5	<10	26
CC81194		<20	0.02	<10	<10	36	<10	60
CC81195		<20	0.03	<10	<10	10	<10	21
CC81196		<20	0.02	<10	<10	14	<10	86
CC81197		<20	0.05	<10	<10	64	<10	84
CC81198		<20	0.06	<10	<10	53	<10	129

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 12- AUG- 2010
Account: RCM

CERTIFICATE VA10106642

Project: RAU

P.O. No.:

This report is for 205 Soil samples submitted to our lab in Vancouver, BC, Canada on 3- AUG- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
PUL- 31	Pulverize split to 85% < 75 um
LOG- 21	Sample logging - ClientBarCode
SCR- 43	Screen to - 500um, discard plus
SCR- 01	Screen - Save plus fraction

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Zn- OG46	Ore Grade Zn - Aqua Regia	VARIABLE
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 12- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10106642

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC107501		0.14	0.001	0.2	0.20	11	<10	50	<0.5	<2	13.9	0.5	2	4	5	0.54
CC107502		0.20	0.001	0.2	0.12	16	<10	50	<0.5	<2	14.6	0.8	<1	2	4	0.42
CC107503		0.18	0.007	<0.2	0.53	20	<10	70	<0.5	<2	9.4	0.8	3	9	9	1.07
CC107504		0.22	0.006	<0.2	0.94	25	<10	140	<0.5	2	3.71	0.5	6	23	20	2.12
CC107505		0.20	<0.001	0.6	1.40	26	<10	160	0.5	3	3.01	0.8	9	22	15	2.73
CC107506		0.16	0.005	0.4	1.02	28	<10	250	0.5	2	7.2	0.7	7	19	16	1.91
CC107507		0.18	0.001	0.5	1.35	20	<10	300	0.6	3	1.74	1.3	10	24	20	2.60
CC107508		0.22	0.001	0.2	1.63	20	<10	210	0.7	3	1.19	0.6	10	28	18	2.85
CC107509		0.22	<0.001	<0.2	1.43	21	<10	290	0.6	<2	2.48	0.7	7	21	15	2.25
CC107510		0.22	0.005	0.3	0.75	15	<10	120	<0.5	6	9.6	<0.5	5	14	16	1.83
CC107511		0.24	<0.001	0.2	0.17	6	<10	50	<0.5	<2	14.7	<0.5	1	3	4	0.32
CC107512		0.30	<0.001	<0.2	0.14	10	<10	40	<0.5	3	17.7	<0.5	1	2	2	0.22
CC107513		0.20	0.006	<0.2	1.14	19	<10	180	0.5	<2	4.57	0.8	7	19	14	2.36
CC107514		0.22	0.001	0.4	0.78	16	<10	120	<0.5	<2	6.9	0.6	5	13	11	1.58
CC107515		0.18	<0.001	0.4	1.61	22	<10	380	0.7	3	1.02	0.5	10	27	17	2.89
CC107516		0.18	<0.001	0.2	1.31	21	<10	220	<0.5	<2	0.89	0.6	9	24	11	2.52
CC107517		0.20	0.001	0.6	1.54	21	<10	270	0.6	3	2.24	1.2	8	26	15	2.52
CC107518		0.18	<0.001	0.5	1.49	24	<10	310	0.7	3	1.99	0.8	10	27	21	2.76
CC107519		0.18	0.001	0.4	1.15	19	<10	170	<0.5	3	1.80	0.7	9	24	22	2.35
CC107520		0.34	0.005	<0.2	0.70	27	<10	100	<0.5	<2	10.5	1.4	5	13	14	1.47
CC107521		0.20	<0.001	0.3	0.34	26	<10	100	<0.5	<2	11.4	1.8	4	6	8	0.99
CC107522		0.18	0.001	0.4	0.38	29	<10	110	<0.5	2	10.9	2.5	1	6	8	1.18
CC107523		0.22	0.003	<0.2	0.07	8	<10	30	<0.5	<2	17.9	<0.5	<1	1	1	0.19
CC107524		0.28	0.001	0.2	0.46	14	<10	70	<0.5	3	14.3	0.7	2	8	7	1.00
CC107525		0.20	0.003	0.3	0.54	17	<10	80	<0.5	<2	11.1	1.0	1	10	10	1.07
CC107526		0.24	0.002	0.2	1.02	20	<10	270	<0.5	<2	2.44	0.5	7	23	23	2.22
CC107527		0.20	0.002	0.2	1.85	33	<10	250	0.7	4	2.95	0.8	10	29	18	2.79
CC107528		0.14	0.004	0.4	0.74	16	<10	160	<0.5	3	10.2	0.8	5	14	14	1.47
CC107529		0.18	<0.001	0.2	0.24	15	<10	80	<0.5	<2	16.3	0.6	1	5	7	0.57
CC107530		0.18	<0.001	0.3	2.09	18	<10	340	0.9	<2	0.52	0.9	12	35	21	3.35
CC107531		0.24	0.002	0.8	0.41	22	<10	220	<0.5	<2	12.2	0.8	2	8	12	1.08
CC107532		0.22	<0.001	0.4	0.78	26	<10	200	<0.5	3	8.5	0.8	5	15	12	1.82
CC107533		0.18	<0.001	0.2	0.45	13	<10	70	<0.5	4	10.5	<0.5	2	6	17	0.65
CC107534		0.24	0.003	<0.2	0.39	23	<10	480	<0.5	<2	>25.0	2.3	4	6	10	1.70
CC107535		0.20	0.002	<0.2	0.69	10	<10	170	<0.5	2	21.5	1.6	4	10	13	1.31
CC107536		0.26	0.004	<0.2	0.35	13	<10	110	<0.5	<2	>25.0	1.3	3	6	6	1.09
CC107537		0.24	0.011	0.3	0.28	9	<10	650	<0.5	2	>25.0	5.6	3	5	6	2.05
CC107538		0.24	0.011	0.2	0.43	12	<10	500	<0.5	<2	>25.0	4.0	4	13	10	1.67
CC107539		0.18	0.058	1.4	1.07	148	<10	380	<0.5	14	11.4	4.3	10	33	39	3.44
CC107540		0.14	0.020	0.8	0.28	38	<10	2090	<0.5	3	14.0	9.9	4	9	10	1.50

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 12- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10106642

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC107501		<10	<1	0.01	<10	8.66	486	<1	0.02	6	510	30	0.02	<2	<1	20
CC107502		<10	<1	0.01	<10	9.01	368	<1	0.02	6	400	70	0.02	<2	<1	26
CC107503		<10	<1	0.04	<10	5.70	524	<1	0.02	11	700	71	0.04	<2	1	19
CC107504		<10	<1	0.08	20	2.40	425	<1	0.03	21	940	17	<0.01	<2	3	29
CC107505		<10	<1	0.07	10	1.89	762	<1	0.02	29	1180	42	0.04	2	2	15
CC107506		<10	1	0.08	10	4.23	708	<1	0.02	19	930	42	0.04	<2	2	26
CC107507		<10	<1	0.09	10	1.07	893	<1	0.02	25	1160	53	0.06	<2	2	16
CC107508		<10	<1	0.08	10	0.94	502	<1	0.02	26	610	28	0.03	<2	3	15
CC107509		<10	1	0.07	10	1.20	878	<1	0.02	15	1380	35	0.10	<2	1	13
CC107510		<10	1	0.08	10	5.85	393	<1	0.02	18	730	35	0.03	<2	2	31
CC107511		<10	<1	0.01	<10	9.02	238	<1	0.02	2	490	2	0.03	<2	<1	29
CC107512		<10	<1	0.01	<10	11.20	203	<1	0.02	4	360	5	<0.01	<2	<1	30
CC107513		<10	<1	0.06	10	2.77	650	<1	0.02	19	820	42	0.05	<2	2	22
CC107514		<10	<1	0.05	10	3.88	575	<1	0.02	14	1010	38	0.05	<2	1	25
CC107515		<10	1	0.09	10	0.71	837	<1	0.02	27	1090	101	0.05	<2	2	14
CC107516		<10	1	0.07	10	0.49	579	<1	0.02	16	720	61	0.06	<2	2	10
CC107517		<10	<1	0.07	10	1.52	918	<1	0.02	22	790	82	0.04	<2	2	18
CC107518		<10	<1	0.10	10	1.31	884	<1	0.02	27	1220	52	0.05	<2	2	19
CC107519		<10	<1	0.10	10	1.21	490	<1	0.04	23	940	20	0.01	<2	4	28
CC107520		<10	<1	0.06	10	6.57	684	<1	0.03	17	660	50	<0.01	<2	2	27
CC107521		<10	<1	0.03	<10	6.92	1030	<1	0.02	11	880	90	0.05	<2	<1	20
CC107522		<10	<1	0.03	<10	6.63	1610	<1	0.02	11	990	158	0.05	<2	<1	20
CC107523		<10	1	<0.01	<10	11.45	319	<1	0.02	3	410	10	<0.01	<2	<1	27
CC107524		<10	<1	0.04	<10	9.04	666	<1	0.02	11	450	25	<0.01	<2	1	29
CC107525		<10	<1	0.04	<10	6.83	688	<1	0.02	11	770	33	0.02	<2	1	23
CC107526		<10	<1	0.11	10	1.71	428	<1	0.03	22	900	16	<0.01	<2	4	31
CC107527		<10	<1	0.09	10	2.05	618	<1	0.02	33	860	45	0.02	2	4	19
CC107528		<10	<1	0.07	10	6.29	721	<1	0.02	17	880	53	0.04	2	1	30
CC107529		<10	<1	0.03	<10	10.25	296	<1	0.02	9	400	38	0.01	<2	1	39
CC107530		<10	<1	0.08	20	0.72	765	<1	0.02	29	690	59	0.04	<2	4	15
CC107531		<10	1	0.04	<10	7.54	763	<1	0.02	9	530	111	0.02	<2	1	36
CC107532		<10	<1	0.06	10	4.98	644	<1	0.02	14	750	103	0.03	<2	2	31
CC107533		<10	<1	0.04	<10	5.92	469	<1	0.02	13	880	13	0.10	<2	<1	18
CC107534		<10	<1	0.03	<10	1.61	2850	<1	0.02	9	620	82	<0.01	<2	1	120
CC107535		<10	1	0.05	10	0.44	1205	<1	0.02	15	670	37	<0.01	2	1	124
CC107536		<10	<1	0.04	10	1.46	1195	<1	0.02	10	630	57	<0.01	<2	1	135
CC107537		<10	<1	0.04	10	1.59	6760	<1	0.03	12	640	83	<0.01	2	1	147
CC107538		<10	<1	0.10	10	0.82	2600	<1	0.02	15	670	126	<0.01	3	1	118
CC107539		<10	<1	0.09	20	6.58	1530	2	0.03	58	1890	382	0.08	7	2	45
CC107540		<10	<1	0.04	10	8.26	2970	17	0.05	33	950	607	0.12	4	1	71

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 12- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10106642

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	Zn- OG46
	Analyte	Th	Ti	Tl	U	V	W	Zn	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%
	LOR	20	0.01	10	10	1	10	2	0.001
CC107501		<20	0.01	<10	10	11	<10	144	
CC107502		<20	<0.01	<10	<10	9	<10	134	
CC107503		<20	0.01	<10	<10	20	<10	163	
CC107504		<20	0.06	<10	<10	45	<10	83	
CC107505		<20	0.02	<10	<10	47	<10	180	
CC107506		<20	0.02	<10	<10	47	<10	149	
CC107507		<20	0.02	<10	<10	55	<10	203	
CC107508		<20	0.02	<10	<10	55	<10	103	
CC107509		<20	0.01	<10	<10	46	<10	189	
CC107510		<20	0.02	<10	<10	36	<10	98	
CC107511		<20	<0.01	<10	<10	10	<10	29	
CC107512		<20	0.01	<10	10	7	<10	26	
CC107513		<20	0.02	<10	10	42	10	130	
CC107514		<20	0.02	<10	<10	31	<10	135	
CC107515		<20	0.02	<10	<10	63	<10	200	
CC107516		<20	0.02	<10	<10	58	<10	206	
CC107517		<20	0.03	<10	<10	52	10	195	
CC107518		<20	0.02	<10	<10	63	<10	173	
CC107519		<20	0.06	<10	<10	44	<10	103	
CC107520		<20	0.03	<10	<10	30	<10	180	
CC107521		<20	0.01	<10	<10	21	<10	283	
CC107522		<20	0.01	<10	10	27	<10	429	
CC107523		<20	<0.01	<10	10	6	<10	64	
CC107524		<20	0.02	<10	10	19	<10	136	
CC107525		<20	0.02	<10	<10	23	<10	160	
CC107526		<20	0.06	<10	<10	41	<10	83	
CC107527		<20	0.03	<10	<10	54	<10	143	
CC107528		<20	0.02	<10	10	34	<10	161	
CC107529		<20	0.01	<10	10	16	<10	106	
CC107530		<20	0.03	<10	<10	66	<10	181	
CC107531		<20	0.02	<10	<10	21	<10	257	
CC107532		<20	0.02	<10	<10	35	10	180	
CC107533		<20	0.01	<10	<10	14	<10	100	
CC107534		<20	0.01	<10	10	13	<10	754	
CC107535		<20	0.02	<10	<10	20	<10	527	
CC107536		<20	0.01	<10	<10	11	<10	445	
CC107537		<20	0.01	<10	<10	9	<10	1705	
CC107538		<20	0.02	<10	<10	11	<10	1450	
CC107539		<20	0.02	<10	<10	46	<10	1295	
CC107540		<20	0.01	<10	10	66	<10	2060	

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 12- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10106642

Sample Description	Method / Analyte / Units / LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC107541		0.26	0.009	0.8	0.15	40	<10	3040	<0.5	2	15.5	17.6	2	4	5	1.71
CC107542		0.22	0.010	<0.2	0.24	18	<10	270	<0.5	2	16.1	2.4	3	5	3	0.94
CC107543		0.24	0.003	<0.2	0.28	10	<10	370	<0.5	<2	17.2	2.4	2	5	2	0.69
CC107544		0.22	0.004	0.3	0.20	11	<10	350	<0.5	<2	16.8	3.3	2	5	3	0.78
CC107545		0.26	0.003	0.5	0.14	18	<10	3270	<0.5	7	16.1	4.7	3	5	6	1.01
CC107546		0.16	0.006	0.3	1.09	25	<10	370	0.5	3	7.5	2.9	6	18	11	2.27
CC107547		0.24	0.008	0.3	0.52	35	<10	220	<0.5	4	12.8	2.7	5	12	8	1.47
CC107548		0.20	0.011	0.9	0.65	28	<10	290	<0.5	3	10.3	5.0	8	31	22	2.13
CC107549		0.16	0.003	0.9	0.94	61	<10	230	0.6	6	5.29	2.4	9	19	15	3.07
CC107550		0.24	0.007	0.6	0.31	16	<10	320	<0.5	3	14.5	5.5	3	9	6	1.28
CC107551		0.16	0.004	0.6	0.69	34	<10	510	0.6	2	3.23	2.4	14	14	22	3.39
CC107552		0.20	0.006	0.4	0.57	28	<10	360	0.5	3	6.70	1.2	11	12	19	2.95
CC107553		0.30	0.004	<0.2	0.16	22	<10	170	<0.5	3	12.3	0.6	7	7	10	1.77
CC107554		0.20	0.006	<0.2	0.14	12	<10	40	<0.5	2	18.0	0.5	2	6	3	0.51
CC107555		0.26	0.004	<0.2	0.18	15	<10	70	<0.5	2	17.7	0.9	2	5	1	0.61
CC107556		0.26	0.009	0.4	0.42	39	<10	3300	<0.5	<2	14.6	4.6	5	9	9	1.37
CC107557		0.22	0.019	0.5	1.35	73	<10	490	<0.5	3	15.7	3.9	16	50	50	3.87
CC107558		0.26	0.001	<0.2	0.90	9	<10	930	<0.5	<2	21.0	1.5	10	31	23	2.24
CC107559		0.22	<0.001	<0.2	0.42	9	<10	110	<0.5	<2	>25.0	1.2	6	16	8	1.23
CC107560		0.24	0.068	<0.2	0.30	49	<10	120	<0.5	5	>25.0	1.4	4	9	12	1.40
CC107561		0.20	<0.001	<0.2	0.39	8	<10	90	<0.5	<2	>25.0	0.6	2	5	3	0.70
CC107562		0.28	<0.001	<0.2	0.60	8	<10	140	<0.5	<2	22.2	9.9	5	8	7	1.38
CC107563		0.34	<0.001	0.3	0.65	18	<10	450	<0.5	<2	20.2	2.5	7	10	12	2.15
CC107564		0.28	0.002	<0.2	0.17	6	<10	80	<0.5	<2	>25.0	<0.5	2	3	<1	0.40
CC107565		0.24	0.007	0.4	0.51	41	<10	450	<0.5	4	8.5	5.5	6	12	16	1.81
CC107566		0.26	<0.001	<0.2	0.22	6	<10	50	<0.5	<2	>25.0	0.6	2	4	2	0.91
CC107567		0.16	<0.001	<0.2	1.67	13	<10	210	0.5	2	2.19	0.7	32	48	54	6.18
CC107568		0.14	0.012	0.9	0.74	65	<10	210	0.5	<2	8.5	3.2	15	17	76	3.89
CC107569		0.18	0.008	0.4	0.34	28	<10	130	<0.5	4	16.5	1.8	4	7	8	1.07
CC107570		0.16	0.020	0.4	0.28	29	<10	510	<0.5	5	16.0	4.1	3	7	6	1.47
CC107571		0.20	0.006	0.2	0.12	10	<10	120	<0.5	<2	17.3	0.5	2	5	4	0.49
CC107572		0.20	<0.001	0.4	0.12	23	<10	100	<0.5	2	12.4	0.8	4	10	7	1.47
CC107573		0.22	0.001	0.6	0.16	14	<10	160	<0.5	<2	12.6	0.5	5	5	11	1.47
CC107574		0.24	0.001	0.5	0.32	24	<10	570	<0.5	<2	6.25	1.9	8	7	16	2.75
CC107575		0.20	0.003	0.8	1.19	27	<10	540	0.7	3	3.43	5.1	10	21	20	3.16
CC107576		0.16	0.003	2.9	1.31	55	<10	3140	1.1	5	1.91	36.4	9	18	10	10.55
CC107577		0.20	<0.001	0.6	1.31	23	<10	780	0.7	<2	1.19	4.1	17	26	20	3.95
CC107578		0.22	0.001	0.4	1.26	25	<10	330	0.6	<2	3.95	1.5	15	22	19	3.63
CC107579		0.24	<0.001	0.2	0.32	15	<10	220	<0.5	<2	>25.0	<0.5	7	6	8	1.37
CC107580		0.18	<0.001	0.5	0.40	13	<10	190	<0.5	<2	23.1	<0.5	7	9	13	1.55

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CERTIFICATE OF ANALYSIS VA10106642

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC107541		<10	<1	0.02	10	9.31	4430	9	0.05	22	290	890	0.10	8	1	94
CC107542		<10	1	0.02	10	10.40	1575	4	0.03	16	270	102	<0.01	2	1	72
CC107543		<10	1	0.02	10	10.60	1475	3	0.03	14	390	60	<0.01	<2	1	72
CC107544		<10	1	0.02	10	10.80	1870	4	0.03	15	320	139	<0.01	2	1	74
CC107545		<10	1	0.02	10	9.80	2030	5	0.05	15	340	217	0.13	3	1	102
CC107546		<10	1	0.07	10	4.48	1735	5	0.03	23	1090	95	0.08	2	1	33
CC107547		<10	1	0.04	10	7.76	1060	6	0.03	28	730	54	0.07	2	1	56
CC107548		<10	<1	0.05	10	6.26	2440	8	0.03	41	750	92	0.05	3	2	57
CC107549		<10	<1	0.10	20	3.48	1545	7	0.02	36	930	111	0.07	<2	2	32
CC107550		<10	<1	0.03	10	8.96	2690	5	0.02	20	310	138	0.02	2	1	61
CC107551		<10	<1	0.12	20	1.56	2010	6	0.02	31	1760	142	0.10	2	1	25
CC107552		<10	1	0.09	20	4.27	1360	7	0.02	28	1260	119	0.07	3	2	47
CC107553		<10	1	0.05	20	7.31	1145	7	0.02	19	330	48	0.06	2	1	80
CC107554		<10	<1	0.02	10	11.05	472	7	0.03	17	280	20	<0.01	3	1	76
CC107555		<10	1	0.02	10	11.10	816	6	0.03	15	230	44	<0.01	<2	1	77
CC107556		<10	1	0.03	10	8.83	1925	23	0.05	34	630	203	0.13	5	1	85
CC107557		<10	<1	0.25	20	1.76	2110	1	0.03	60	1440	303	0.07	6	4	64
CC107558		<10	<1	0.12	10	2.10	1030	1	0.03	30	840	44	<0.01	<2	2	142
CC107559		<10	1	0.07	10	0.98	601	<1	0.02	18	360	40	<0.01	<2	1	164
CC107560		<10	1	0.04	10	0.66	502	1	0.02	17	760	183	<0.01	2	1	182
CC107561		<10	1	0.03	10	0.26	688	<1	0.02	7	500	10	<0.01	<2	1	129
CC107562		<10	1	0.04	10	0.60	1660	1	0.02	12	680	40	<0.01	<2	1	141
CC107563		<10	<1	0.05	10	1.52	4240	1	0.02	24	690	74	<0.01	<2	1	119
CC107564		<10	<1	0.02	10	0.29	610	<1	0.02	5	360	10	<0.01	<2	1	181
CC107565		<10	<1	0.06	10	4.74	1635	4	0.02	27	1220	269	0.11	4	1	36
CC107566		<10	1	0.03	10	0.32	436	<1	0.02	7	430	35	<0.01	<2	1	158
CC107567		<10	<1	0.17	20	0.92	812	1	0.02	75	1980	36	0.11	<2	4	27
CC107568		<10	<1	0.14	10	3.69	574	21	0.02	70	2240	40	0.10	16	2	88
CC107569		<10	1	0.03	10	10.15	1425	9	0.03	23	470	68	<0.01	2	1	71
CC107570		<10	1	0.03	10	9.78	1715	8	0.03	23	340	91	<0.01	<2	1	73
CC107571		<10	1	0.02	<10	10.90	487	5	0.03	11	270	28	<0.01	<2	1	79
CC107572		<10	1	0.02	10	7.69	1140	9	0.02	15	370	27	0.06	<2	1	62
CC107573		<10	1	0.08	10	7.70	713	4	0.02	13	300	36	0.06	<2	1	75
CC107574		<10	<1	0.08	10	3.17	1725	6	0.02	20	1590	111	0.10	<2	1	43
CC107575		<10	<1	0.08	10	1.75	2280	5	0.02	25	1700	122	0.10	3	2	23
CC107576		<10	<1	0.03	10	0.65	35600	12	0.03	46	1290	368	0.15	9	2	24
CC107577		<10	<1	0.07	30	0.46	2990	2	0.02	49	1040	140	0.10	<2	2	18
CC107578		<10	<1	0.10	20	0.60	1925	3	0.03	44	1080	25	0.14	3	2	32
CC107579		<10	<1	0.05	10	1.06	299	1	0.02	23	650	8	<0.01	<2	1	185
CC107580		<10	<1	0.07	10	1.11	428	1	0.02	23	620	18	<0.01	<2	1	169

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CERTIFICATE OF ANALYSIS VA10106642

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	Zn- OG46
	Analyte	Th	Ti	Tl	U	V	W	Zn	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%
	LOR	20	0.01	10	10	1	10	2	0.001
CC107541		<20	<0.01	<10	<10	25	20	3000	
CC107542		<20	0.01	<10	<10	20	<10	1090	
CC107543		<20	0.01	<10	<10	14	<10	729	
CC107544		<20	<0.01	<10	<10	15	<10	954	
CC107545		<20	<0.01	<10	<10	15	<10	1225	
CC107546		<20	0.02	<10	<10	42	<10	860	
CC107547		<20	0.01	<10	<10	26	<10	658	
CC107548		<20	0.02	<10	<10	34	<10	1400	
CC107549		<20	0.01	<10	<10	34	<10	753	
CC107550		<20	0.01	<10	<10	21	<10	1535	
CC107551		<20	0.01	<10	<10	31	<10	816	
CC107552		<20	0.01	<10	<10	23	<10	458	
CC107553		<20	<0.01	<10	<10	9	<10	204	
CC107554		<20	<0.01	<10	<10	13	<10	152	
CC107555		<20	0.01	<10	<10	12	<10	361	
CC107556		<20	0.01	<10	<10	42	10	1145	
CC107557		<20	0.04	<10	<10	40	<10	1670	
CC107558		<20	0.03	<10	<10	26	<10	490	
CC107559		<20	0.02	<10	<10	13	<10	486	
CC107560		<20	0.01	<10	<10	10	<10	424	
CC107561		<20	0.01	<10	<10	11	<10	130	
CC107562		<20	0.01	<10	<10	16	<10	2370	
CC107563		<20	0.01	<10	<10	22	<10	776	
CC107564		<20	<0.01	<10	<10	6	<10	140	
CC107565		<20	0.01	<10	<10	30	<10	1165	
CC107566		<20	<0.01	<10	<10	6	<10	286	
CC107567		<20	0.02	<10	<10	45	<10	279	
CC107568		<20	0.01	<10	<10	89	<10	711	
CC107569		<20	0.01	<10	<10	22	10	538	
CC107570		<20	0.01	<10	<10	23	10	862	
CC107571		<20	<0.01	<10	<10	12	<10	124	
CC107572		<20	<0.01	<10	<10	10	<10	180	
CC107573		<20	<0.01	<10	<10	9	<10	130	
CC107574		<20	0.01	<10	<10	13	<10	480	
CC107575		<20	0.02	<10	<10	57	<10	1020	
CC107576		<20	0.01	<10	<10	42	<10	8000	
CC107577		<20	0.02	<10	<10	46	<10	1020	
CC107578		<20	0.02	<10	<10	35	<10	429	
CC107579		20	0.01	<10	<10	7	<10	102	
CC107580		<20	0.01	<10	<10	10	<10	130	

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CERTIFICATE OF ANALYSIS VA10106642

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC107581		0.22	0.007	0.7	0.61	37	<10	210	<0.5	41	11.2	1.2	10	12	27	2.29
CC107582		0.16	0.012	0.5	1.12	22	<10	260	0.5	2	5.42	0.5	9	19	19	2.48
CC107583		0.22	<0.001	0.6	0.53	16	<10	290	<0.5	2	18.5	1.6	10	14	22	2.04
CC107584		0.12	0.014	0.7	0.72	17	<10	670	<0.5	5	9.5	1.8	5	13	12	1.71
CC107585		0.20	0.005	0.7	0.17	23	<10	100	<0.5	<2	11.9	1.2	5	12	7	1.33
CC107586		0.22	<0.001	0.4	0.52	7	<10	220	<0.5	<2	13.4	1.2	4	8	7	1.11
CC107587		0.24	<0.001	0.3	1.40	21	<10	250	0.6	3	1.31	1.1	9	24	15	2.80
CC107588		0.14	<0.001	0.4	1.35	24	<10	320	0.6	3	1.35	4.3	9	23	18	2.92
CC107589		0.16	<0.001	0.6	1.36	37	<10	320	0.6	3	3.45	18.0	8	26	17	3.00
CC107590		0.14	<0.001	0.5	1.26	35	<10	260	0.7	3	2.11	2.6	11	25	16	3.33
CC107591		0.14	0.013	0.2	1.55	22	<10	340	0.7	4	0.48	1.2	12	29	19	3.66
CC107592		0.20	0.002	0.4	0.59	15	<10	90	<0.5	<2	10.8	0.7	5	16	11	1.28
CC107593		0.20	0.001	1.2	0.29	28	<10	290	<0.5	3	5.97	4.2	7	12	13	2.24
CC107594		0.18	0.003	0.5	1.02	23	<10	360	0.5	3	4.14	2.4	8	19	18	2.46
CC107595		0.20	0.012	0.7	1.06	42	<10	250	0.5	5	5.24	2.2	9	18	22	2.68
CC107596		0.18	0.002	0.5	1.53	35	<10	220	0.8	3	4.21	1.1	9	22	18	2.96
CC107597		0.18	0.003	0.4	0.54	6	<10	80	<0.5	<2	18.3	0.5	8	12	16	1.71
CC107598		0.22	0.001	0.4	0.23	5	<10	150	<0.5	<2	22.3	<0.5	4	5	9	1.08
CC107599		0.26	<0.001	0.4	0.16	9	<10	400	<0.5	<2	>25.0	<0.5	3	3	5	0.87
CC107600		0.24	0.002	0.3	0.69	18	<10	110	<0.5	<2	15.7	0.6	13	13	14	2.20
CC107601		0.20	<0.001	0.3	1.40	20	<10	180	0.7	<2	3.74	0.8	15	25	22	3.72
CC107602		0.20	0.004	0.5	0.16	6	<10	70	<0.5	<2	15.0	1.0	3	4	6	0.43
CC107603		0.18	0.016	1.4	0.55	46	<10	230	<0.5	8	12.9	3.1	6	12	16	1.53
CC107604		0.18	0.006	0.3	0.21	11	<10	70	<0.5	2	14.7	0.5	3	4	8	0.69
CC107605		0.18	0.009	0.5	0.10	8	<10	300	<0.5	2	17.1	2.4	2	3	4	0.77
CC107606		0.18	0.014	0.6	0.66	14	<10	190	<0.5	3	11.0	2.7	5	10	11	1.35
CC107607		0.22	0.009	1.2	0.84	19	<10	230	0.5	3	8.0	4.2	6	18	20	2.17
CC107608		0.28	0.003	0.6	0.25	16	<10	110	<0.5	<2	12.6	0.9	3	8	12	1.44
CC107630		0.20	0.008	0.2	0.49	8	<10	100	<0.5	<2	14.3	0.5	2	9	7	1.18
CC107631		0.26	0.007	0.3	0.44	14	<10	90	<0.5	<2	14.2	<0.5	<1	8	5	1.26
CC107632		0.20	0.003	0.3	0.32	32	<10	100	<0.5	<2	15.5	0.7	1	6	9	1.21
CC107633		0.24	0.007	0.5	1.27	14	<10	160	0.6	<2	6.22	0.5	9	20	15	2.22
CC107634		0.26	0.002	<0.2	0.10	15	<10	40	<0.5	<2	16.5	<0.5	<1	4	2	0.54
CC107635		0.24	0.003	0.6	0.21	11	<10	90	<0.5	2	13.3	1.6	1	5	4	0.76
CC107636		0.24	0.037	1.1	0.16	29	<10	140	<0.5	4	15.7	6.0	1	7	11	1.29
CC107637		0.28	0.010	0.4	0.20	25	<10	650	<0.5	<2	13.2	1.9	3	10	8	1.26
CC107638		0.22	0.012	0.5	0.25	29	<10	120	<0.5	<2	11.9	1.4	5	8	10	1.77
CC107639		0.18	0.015	5.5	0.34	44	<10	5320	<0.5	17	3.43	180.5	3	4	30	11.45
CC107640		0.30	0.001	0.3	0.09	6	<10	70	<0.5	<2	16.9	1.6	<1	5	3	0.51
CC107641		0.20	0.014	0.5	0.13	16	<10	70	<0.5	<2	16.5	1.0	1	5	2	0.84

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 12- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10106642

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC107581		<10	<1	0.07	10	5.93	807	2	0.02	28	1790	367	0.07	3	1	53
CC107582		<10	<1	0.09	10	1.88	653	1	0.03	26	1670	96	0.11	<2	1	39
CC107583		<10	<1	0.09	10	1.41	925	1	0.02	28	1020	65	<0.01	<2	1	125
CC107584		<10	<1	0.05	10	5.51	1370	5	0.03	16	1230	64	0.11	<2	1	48
CC107585		<10	<1	0.02	10	7.15	1180	7	0.02	11	420	43	0.07	<2	1	56
CC107586		<10	<1	0.03	<10	8.26	1710	2	0.03	6	530	25	0.06	<2	1	54
CC107587		<10	<1	0.06	10	0.74	1145	2	0.02	22	940	39	0.07	<2	2	15
CC107588		<10	<1	0.07	10	0.51	1605	2	0.02	20	1760	68	0.13	<2	2	15
CC107589		<10	<1	0.06	10	1.70	2210	5	0.02	20	1490	77	0.12	<2	2	22
CC107590		<10	<1	0.09	20	1.17	2470	9	0.02	30	1220	78	0.09	<2	2	16
CC107591		<10	1	0.08	20	0.48	1555	3	0.02	33	800	48	0.05	<2	3	15
CC107592		<10	<1	0.04	10	6.61	767	3	0.02	15	510	24	0.05	<2	1	45
CC107593		<10	<1	0.04	10	3.62	1865	9	0.02	17	820	127	0.09	2	1	35
CC107594		<10	<1	0.07	10	1.67	1170	1	0.02	21	1440	63	0.13	<2	1	27
CC107595		<10	<1	0.06	10	3.50	1400	2	0.02	25	900	93	0.05	<2	2	28
CC107596		<10	<1	0.07	10	2.55	1490	2	0.02	23	1610	93	0.09	<2	2	24
CC107597		<10	<1	0.06	10	0.64	405	<1	0.02	20	1060	16	0.10	<2	1	131
CC107598		<10	<1	0.05	10	0.86	207	<1	0.02	13	620	8	<0.01	<2	1	175
CC107599		<10	<1	0.03	<10	0.85	149	1	0.02	13	320	6	<0.01	<2	1	209
CC107600		<10	<1	0.09	10	0.71	804	1	0.02	34	850	16	0.09	<2	1	97
CC107601		<10	<1	0.16	20	0.65	1365	2	0.02	48	1030	22	0.12	<2	2	36
CC107602		<10	<1	0.02	<10	9.14	383	5	0.02	5	610	39	0.05	<2	<1	58
CC107603		<10	<1	0.05	10	7.86	1190	5	0.02	22	1040	285	0.06	3	1	52
CC107604		<10	<1	0.03	<10	8.91	593	1	0.02	5	820	19	0.05	<2	1	52
CC107605		<10	<1	0.01	<10	10.60	1700	2	0.03	5	320	71	<0.01	<2	1	71
CC107606		<10	<1	0.05	10	6.58	1640	6	0.02	17	1100	54	0.08	<2	1	48
CC107607		<10	<1	0.08	10	5.02	2240	6	0.02	32	1150	250	0.08	<2	1	35
CC107608		<10	<1	0.10	10	8.07	932	3	0.02	13	380	27	0.06	<2	1	66
CC107630		<10	<1	0.04	10	9.55	1040	1	0.02	8	900	21	0.04	2	1	54
CC107631		<10	<1	0.04	<10	9.40	879	1	0.02	7	1010	18	0.04	<2	1	49
CC107632		<10	<1	0.03	<10	10.20	1210	<1	0.02	10	550	59	<0.01	<2	<1	52
CC107633		10	<1	0.07	10	3.93	686	<1	0.02	24	940	25	0.06	4	1	29
CC107634		<10	<1	0.01	<10	10.75	457	1	0.01	6	970	5	0.03	<2	<1	60
CC107635		<10	<1	0.01	<10	8.55	912	3	0.01	6	810	72	0.07	<2	<1	52
CC107636		<10	<1	0.03	<10	10.30	1590	8	0.01	19	400	289	0.02	2	1	63
CC107637		<10	<1	0.04	10	8.45	1180	5	0.01	19	310	114	0.04	3	1	67
CC107638		<10	<1	0.06	10	7.62	855	4	0.01	21	800	128	0.03	2	1	53
CC107639		<10	<1	0.18	10	1.64	38600	26	0.02	54	260	5160	0.07	19	2	42
CC107640		<10	<1	0.01	<10	11.25	528	3	0.01	11	140	52	<0.01	<2	<1	66
CC107641		<10	<1	0.01	<10	11.00	869	5	0.02	7	220	52	<0.01	2	<1	70

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Project: RAU

CERTIFICATE OF ANALYSIS VA10106642

Sample Description	Method Analyte Units LOR	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2	Zn- OG46 Zn % 0.001
CC107581		<20	0.01	<10	<10	28	<10	306	
CC107582		<20	0.02	<10	<10	37	<10	146	
CC107583		<20	0.01	<10	<10	17	<10	546	
CC107584		<20	0.01	<10	<10	45	<10	467	
CC107585		<20	<0.01	<10	<10	12	<10	300	
CC107586		<20	0.01	<10	<10	19	<10	336	
CC107587		<20	0.02	<10	<10	50	<10	261	
CC107588		<20	0.02	<10	<10	53	<10	670	
CC107589		<20	0.02	<10	<10	57	<10	1865	
CC107590		<20	0.02	<10	<10	53	<10	683	
CC107591		<20	0.02	<10	<10	51	<10	513	
CC107592		<20	0.01	<10	<10	24	<10	156	
CC107593		<20	<0.01	<10	<10	17	<10	1095	
CC107594		<20	0.01	<10	<10	33	<10	524	
CC107595		<20	0.02	<10	<10	43	<10	757	
CC107596		<20	0.01	<10	<10	50	<10	392	
CC107597		<20	0.01	<10	<10	13	<10	127	
CC107598		<20	0.01	<10	10	6	<10	57	
CC107599		<20	<0.01	<10	10	4	<10	47	
CC107600		<20	0.01	<10	<10	17	<10	217	
CC107601		<20	0.01	<10	<10	36	<10	260	
CC107602		<20	<0.01	<10	10	19	<10	188	
CC107603		<20	0.01	<10	10	47	10	824	
CC107604		<20	<0.01	<10	10	17	<10	79	
CC107605		<20	<0.01	<10	10	18	<10	630	
CC107606		<20	0.01	<10	<10	45	<10	640	
CC107607		<20	0.02	<10	<10	42	10	1090	
CC107608		<20	<0.01	<10	<10	14	<10	257	
CC107630		<20	0.01	<10	10	24	<10	114	
CC107631		<20	0.01	<10	10	25	<10	76	
CC107632		<20	0.01	<10	10	21	<10	304	
CC107633		<20	0.02	<10	<10	61	<10	178	
CC107634		<20	<0.01	<10	10	30	<10	25	
CC107635		<20	<0.01	<10	<10	35	<10	418	
CC107636		<20	<0.01	<10	10	24	10	1150	
CC107637		<20	0.01	<10	<10	15	<10	590	
CC107638		<20	0.01	<10	<10	16	<10	584	
CC107639		<20	<0.01	<10	<10	22	<10	>10000	4.55
CC107640		<20	<0.01	<10	<10	10	<10	1130	
CC107641		<20	<0.01	<10	10	19	<10	273	

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Finalized Date: 12- AUG- 2010
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Project: RAU

CERTIFICATE OF ANALYSIS VA10106642

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC107642		0.26	0.012	0.2	0.27	49	<10	100	<0.5	<2	14.0	1.4	2	8	11	1.24
CC107643		0.28	0.013	0.3	0.06	20	<10	50	<0.5	<2	16.3	<0.5	<1	2	3	0.70
CC107644		0.30	0.030	0.7	1.13	293	<10	350	0.6	44	8.7	2.8	15	35	81	5.61
CC107645		0.18	0.001	<0.2	0.17	14	<10	80	<0.5	<2	15.4	0.7	<1	4	4	0.57
CC107646		0.18	0.008	0.4	1.18	12	<10	170	0.5	<2	4.60	<0.5	5	21	12	2.24
CC107647		0.24	0.063	0.8	0.85	234	<10	400	0.6	34	9.4	5.6	16	32	71	5.79
CC107648		0.24	0.013	0.4	0.60	29	<10	100	<0.5	8	10.1	<0.5	4	12	9	1.75
CC107649		0.20	0.011	0.4	0.58	40	<10	100	<0.5	<2	12.0	0.7	1	12	7	1.65
CC107650		0.24	0.009	0.3	0.47	13	<10	70	<0.5	<2	13.3	<0.5	1	8	5	0.99
CC107651		0.20	0.008	0.5	0.36	28	<10	90	<0.5	<2	14.1	<0.5	<1	8	8	0.79
CC107652		0.24	0.005	0.5	0.13	12	<10	50	<0.5	2	16.2	<0.5	<1	3	2	0.55
CC107653		0.24	<0.001	<0.2	2.33	<2	<10	90	<0.5	<2	15.2	<0.5	26	115	59	4.22
CC107654		0.18	0.005	0.4	2.54	16	<10	190	0.5	<2	3.55	0.5	27	115	71	6.01
CC107655		0.28	0.001	0.3	0.29	18	<10	50	<0.5	<2	24.6	0.6	2	6	7	0.77
CC107656		0.28	0.011	0.3	0.30	7	<10	60	<0.5	<2	>25.0	0.7	3	5	5	0.78
CC107657		0.24	0.013	<0.2	0.23	4	<10	30	<0.5	<2	>25.0	<0.5	1	3	4	0.51
CC107658		0.26	0.003	0.3	0.48	8	<10	80	<0.5	<2	23.7	1.0	2	6	6	1.12
CC107659		0.30	0.010	0.2	0.18	<2	<10	40	<0.5	<2	>25.0	<0.5	<1	3	2	0.49
CC107660		0.18	0.001	<0.2	0.76	2	<10	280	0.9	<2	0.84	<0.5	17	14	28	4.49
CC107661		0.20	0.006	<0.2	0.23	12	<10	30	<0.5	<2	>25.0	<0.5	1	3	9	0.53
CC107662		0.22	0.008	0.2	0.24	16	<10	50	<0.5	<2	>25.0	0.5	5	21	25	0.71
CC107663		0.22	0.001	<0.2	0.14	<2	<10	70	<0.5	<2	>25.0	<0.5	<1	4	5	1.09
CC107664		0.22	0.003	0.2	0.28	10	<10	90	<0.5	<2	>25.0	0.8	2	4	10	1.03
CC107665		0.20	0.005	<0.2	0.28	12	<10	150	<0.5	<2	>25.0	1.1	2	5	10	0.70
CC107666		0.20	0.074	2.1	1.58	219	<10	410	0.5	16	7.05	5.7	13	44	51	5.46
CC107667		0.28	0.033	0.8	0.37	78	<10	720	<0.5	13	13.2	4.4	4	10	12	2.35
CC107668		0.24	0.014	0.9	0.24	30	<10	860	<0.5	3	17.2	3.1	2	5	8	0.97
CC107669		0.26	0.022	0.6	0.15	45	<10	120	<0.5	<2	16.6	2.2	3	4	9	1.00
CC107670		0.26	0.006	0.4	0.11	9	<10	1350	<0.5	<2	17.5	4.3	2	3	4	0.85
CC107671		0.30	0.002	0.5	0.14	8	<10	450	<0.5	<2	16.8	3.3	1	5	4	0.51
CC107672		0.22	0.009	0.9	0.18	21	<10	240	<0.5	<2	14.3	8.1	4	8	7	1.16
CC107673		0.26	0.007	0.4	0.25	11	<10	270	<0.5	<2	16.2	3.4	2	5	6	1.07
CC107674		0.22	0.004	0.6	0.73	20	<10	230	<0.5	<2	11.9	2.4	4	11	12	1.54
CC107675		0.24	0.008	0.4	1.17	30	<10	390	0.5	<2	5.38	1.6	9	19	19	2.60
CC107676		0.26	0.009	0.6	0.61	23	<10	200	<0.5	<2	6.45	2.3	9	12	21	2.35
CC107677		0.22	0.003	0.5	1.51	18	<10	340	0.8	<2	0.98	4.1	19	24	23	4.43
CC107678		0.24	0.001	0.5	0.42	13	<10	120	<0.5	<2	20.9	8.1	12	8	12	2.52
CC107679		0.20	0.010	1.1	0.34	25	<10	830	<0.5	<2	19.8	4.4	10	6	13	2.83
CC107680		0.22	0.006	3.6	0.45	14	<10	1760	<0.5	3	11.0	16.8	9	6	16	7.34
CC107681		0.16	0.010	1.3	1.44	29	<10	870	0.7	<2	2.94	20.1	17	20	31	5.90

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 12- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10106642

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC107642		<10	<1	0.02	<10	9.08	787	11	0.01	18	550	182	0.04	3	1	61
CC107643		<10	<1	0.01	<10	10.70	486	1	0.01	6	350	24	0.01	<2	<1	54
CC107644		<10	1	0.16	10	5.18	1720	45	0.01	90	5580	1410	0.01	18	5	39
CC107645		<10	<1	0.02	<10	10.15	716	1	0.02	4	570	22	0.03	2	<1	49
CC107646		<10	1	0.07	10	2.64	646	1	0.02	18	1340	38	0.04	<2	2	28
CC107647		<10	<1	0.06	10	6.30	2980	2	0.01	69	800	1180	0.02	23	4	33
CC107648		<10	1	0.04	10	6.62	839	1	0.02	15	690	22	0.02	<2	1	41
CC107649		<10	<1	0.04	10	7.94	755	1	0.02	11	670	43	0.03	<2	1	47
CC107650		<10	<1	0.02	<10	8.77	603	1	0.02	7	810	15	0.04	<2	1	41
CC107651		<10	<1	0.04	<10	9.17	428	4	0.02	13	1190	28	0.03	<2	1	55
CC107652		<10	<1	0.01	<10	10.70	347	1	0.01	5	930	10	0.02	<2	<1	68
CC107653		<10	<1	0.30	10	2.46	413	<1	0.01	76	940	3	<0.01	<2	5	69
CC107654		<10	<1	0.18	10	2.36	831	<1	0.01	81	1490	120	0.07	<2	6	29
CC107655		<10	<1	0.04	<10	0.25	416	<1	<0.01	5	380	31	<0.01	<2	1	92
CC107656		<10	<1	0.03	<10	0.22	891	<1	<0.01	3	430	76	<0.01	<2	1	97
CC107657		<10	<1	0.04	<10	0.19	354	<1	<0.01	2	350	27	<0.01	<2	<1	104
CC107658		<10	<1	0.05	10	0.22	734	<1	<0.01	7	600	53	<0.01	<2	1	84
CC107659		<10	<1	0.02	<10	0.16	434	<1	<0.01	1	230	18	<0.01	<2	1	121
CC107660		<10	<1	0.35	30	0.08	1500	1	0.01	15	1680	10	0.06	<2	1	28
CC107661		<10	<1	0.02	<10	0.30	404	<1	0.01	3	300	17	<0.01	<2	1	105
CC107662		<10	<1	0.03	<10	0.29	481	<1	0.01	12	360	81	<0.01	<2	1	110
CC107663		<10	<1	0.01	<10	2.61	1360	<1	0.01	3	220	32	<0.01	<2	<1	91
CC107664		<10	<1	0.02	<10	1.23	1450	1	0.02	9	380	46	<0.01	<2	1	108
CC107665		<10	1	0.03	<10	0.33	570	1	0.02	8	440	91	<0.01	<2	1	102
CC107666		<10	<1	0.10	20	4.39	2320	3	0.03	73	1920	474	0.07	5	4	32
CC107667		<10	1	0.01	10	7.94	1885	2	0.03	20	1270	197	0.07	<2	1	56
CC107668		<10	<1	<0.01	10	10.55	946	4	0.03	14	290	348	<0.01	<2	1	73
CC107669		<10	1	<0.01	<10	10.20	679	14	0.03	20	400	92	<0.01	<2	<1	62
CC107670		<10	<1	<0.01	<10	10.85	2780	5	0.02	9	130	194	<0.01	<2	<1	82
CC107671		<10	1	<0.01	10	10.50	1005	3	0.03	9	260	188	0.02	<2	<1	68
CC107672		<10	<1	0.01	10	8.98	2130	9	0.02	17	380	271	0.04	<2	1	57
CC107673		<10	<1	<0.01	10	10.20	2270	2	0.03	10	310	95	0.01	<2	1	67
CC107674		<10	1	0.03	10	7.46	1505	9	0.03	27	790	209	0.03	<2	1	49
CC107675		<10	<1	0.06	10	3.40	1765	6	0.03	30	660	70	0.03	<2	2	29
CC107676		<10	<1	0.08	20	3.89	1320	6	0.03	30	660	70	0.01	<2	2	43
CC107677		<10	<1	0.09	30	0.42	2180	2	0.02	53	900	667	0.05	<2	2	20
CC107678		<10	1	0.08	10	0.97	1050	1	0.02	37	590	145	<0.01	<2	2	237
CC107679		<10	<1	0.09	10	0.80	3800	1	0.02	33	670	179	<0.01	<2	2	212
CC107680		<10	<1	0.08	20	1.36	33400	1	0.02	34	850	522	0.07	<2	2	101
CC107681		<10	<1	0.11	20	1.23	10950	3	0.02	55	2930	311	0.12	3	2	37

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CERTIFICATE OF ANALYSIS VA10106642

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	Zn- OG46
	Analyte	Th	Ti	Tl	U	V	W	Zn	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%
	LOR	20	0.01	10	10	1	10	2	0.001
CC107642		<20	0.01	<10	<10	43	10	338	
CC107643		<20	<0.01	<10	10	21	<10	82	
CC107644		<20	0.04	<10	30	56	20	1650	
CC107645		<20	<0.01	<10	10	11	<10	140	
CC107646		<20	0.02	<10	<10	42	<10	105	
CC107647		<20	0.03	<10	<10	40	30	1795	
CC107648		<20	0.02	<10	<10	30	40	115	
CC107649		<20	0.01	<10	<10	28	10	121	
CC107650		<20	0.01	<10	10	28	<10	68	
CC107651		<20	0.01	<10	10	55	<10	59	
CC107652		<20	<0.01	<10	10	13	130	38	
CC107653		<20	0.07	<10	<10	65	<10	84	
CC107654		<20	0.04	<10	<10	69	<10	549	
CC107655		<20	0.01	<10	10	7	<10	174	
CC107656		<20	0.01	<10	10	6	<10	182	
CC107657		<20	<0.01	<10	10	5	<10	85	
CC107658		<20	0.01	<10	<10	11	<10	227	
CC107659		<20	<0.01	<10	10	4	<10	78	
CC107660		<20	0.03	<10	<10	22	<10	63	
CC107661		<20	0.01	<10	20	6	<10	89	
CC107662		<20	0.01	<10	10	10	<10	288	
CC107663		<20	<0.01	<10	10	5	<10	179	
CC107664		<20	0.01	<10	10	9	<10	286	
CC107665		<20	0.01	<10	10	9	<10	453	
CC107666		<20	0.03	<10	<10	58	10	1530	
CC107667		<20	0.01	<10	<10	34	60	858	
CC107668		<20	0.01	<10	10	33	10	697	
CC107669		<20	<0.01	<10	10	38	10	584	
CC107670		<20	<0.01	<10	10	13	<10	1240	
CC107671		<20	<0.01	<10	10	15	<10	837	
CC107672		<20	<0.01	<10	<10	16	<10	1530	
CC107673		<20	0.01	<10	10	23	<10	1000	
CC107674		<20	0.01	<10	<10	48	<10	648	
CC107675		<20	0.02	<10	<10	42	<10	554	
CC107676		<20	0.02	<10	<10	27	<10	581	
CC107677		<20	0.02	<10	<10	41	<10	1110	
CC107678		<20	0.01	<10	<10	10	<10	2260	
CC107679		<20	<0.01	<10	<10	10	<10	1430	
CC107680		<20	0.01	<10	<10	15	10	4100	
CC107681		<20	0.01	<10	<10	44	10	4990	

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CERTIFICATE OF ANALYSIS VA10106642

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC107682		0.18	0.003	0.3	1.86	31	<10	320	1.0	<2	2.03	2.1	10	28	21	4.25
CC107683		0.18	0.002	0.2	0.72	14	<10	100	0.5	<2	11.4	1.6	5	14	10	1.46
CC107684		0.16	0.012	0.9	1.48	106	<10	290	0.8	<2	4.58	3.3	18	24	31	4.47
CC107685		0.26	0.010	<0.2	0.81	25	<10	110	<0.5	<2	15.0	1.0	14	16	21	3.41
CC107686		0.24	0.003	0.3	1.44	23	<10	220	0.5	2	8.1	1.8	13	34	21	3.68
CC107687		0.18	0.002	<0.2	0.56	17	<10	120	<0.5	<2	7.7	1.0	7	14	15	2.09
CC107688		0.24	0.009	0.3	1.12	29	<10	450	<0.5	<2	3.66	3.1	9	23	18	2.74
CC107689		0.20	0.077	0.3	1.44	34	<10	260	0.6	2	1.22	0.6	10	31	24	3.02
CC107690		0.26	0.006	0.3	2.06	28	<10	920	0.5	4	2.36	2.1	12	47	12	3.67
CC107691		0.20	0.003	0.6	2.41	28	<10	340	0.7	12	0.89	1.6	20	71	22	5.12
CC107692		0.16	0.013	1.2	1.18	41	<10	450	0.5	14	6.44	8.8	11	24	27	4.14
CC107693		0.26	0.010	0.6	0.49	33	<10	100	<0.5	4	13.0	2.7	8	10	19	2.03
CC107694		0.22	0.004	0.2	1.70	26	<10	300	0.8	6	1.28	2.3	15	27	21	4.44
CC107695		0.14	0.007	0.7	1.38	26	<10	690	0.6	<2	2.37	11.9	17	23	42	6.34
CC107696		0.20	0.009	2.0	0.65	13	<10	2110	<0.5	<2	8.5	36.3	7	8	17	8.36
CC107697		0.20	0.004	1.5	0.41	13	<10	370	<0.5	<2	14.5	7.7	15	9	16	4.12
CC107698		0.24	0.011	3.1	0.52	29	<10	680	<0.5	3	13.6	7.7	9	7	15	5.54
CC107699		0.26	0.005	<0.2	0.32	14	<10	40	<0.5	<2	22.6	<0.5	7	4	7	1.77
CC107700		0.28	0.011	1.1	0.99	19	<10	1530	0.5	3	7.5	51.1	11	15	22	4.24
CC107701		0.16	0.011	0.6	0.60	41	<10	320	<0.5	7	12.1	1.2	2	8	8	2.09
CC107702		0.18	0.025	0.6	0.12	84	<10	930	<0.5	5	18.3	2.3	2	4	6	1.78
CC107703		0.20	0.057	0.7	0.08	13	<10	1580	<0.5	3	15.6	1.8	1	3	1	0.38
CC107801		0.26	0.004	0.2	0.42	15	<10	70	<0.5	<2	25.0	<0.5	7	9	8	1.76
CC107802		0.24	0.003	0.2	0.63	14	<10	130	<0.5	<2	21.9	0.5	8	13	9	1.98
CC107803		0.26	0.002	0.4	0.32	10	<10	270	<0.5	2	>25.0	1.1	5	6	5	1.28
CC107804		0.22	0.006	1.3	0.52	18	<10	580	<0.5	4	11.4	7.6	7	7	14	4.46
CC107805		0.20	0.014	1.0	0.73	24	<10	840	<0.5	3	10.8	9.6	8	12	19	3.66
CC107806		0.20	0.009	0.8	0.55	40	<10	180	<0.5	3	12.9	2.8	5	12	18	1.74
CC107807		0.24	0.006	0.3	1.77	24	<10	450	0.8	<2	1.20	1.7	13	31	21	4.35
CC107808		0.18	0.005	0.5	0.53	26	<10	420	<0.5	2	20.4	4.6	8	14	18	2.87
CC107809		0.20	0.011	0.2	1.08	33	<10	190	0.5	3	7.5	2.4	8	22	16	2.75
CC107810		0.20	0.017	<0.2	1.62	39	<10	280	0.7	3	0.74	1.1	12	34	22	3.96
CC107811		0.20	0.018	0.7	0.93	31	<10	170	0.5	<2	5.70	1.9	7	20	13	2.67
CC107812		0.26	0.015	0.5	0.74	32	<10	90	<0.5	5	9.7	0.7	6	17	11	2.07
CC107813		0.22	0.006	0.4	1.71	25	<10	260	0.7	3	3.11	1.9	9	30	16	3.17
CC107814		0.28	0.008	0.5	1.32	25	<10	240	0.6	<2	1.82	1.0	9	24	23	3.10
CC107815		0.28	0.005	0.4	0.24	21	<10	40	<0.5	<2	14.1	<0.5	1	12	4	0.96
CC107816		0.18	0.014	0.7	1.19	40	<10	300	0.5	5	4.43	1.8	9	22	26	3.29
CC107817		0.20	0.007	0.5	1.32	44	<10	360	0.6	2	6.32	1.4	11	24	25	3.27
CC107818		0.22	0.017	0.9	1.12	59	<10	480	0.6	6	7.4	2.8	8	18	26	3.00

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Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC107682		<10	1	0.09	20	0.97	2120	3	0.02	33	3100	96	0.13	<2	3	19
CC107683		<10	1	0.04	10	7.01	899	3	0.03	19	1200	21	0.05	<2	1	48
CC107684		<10	1	0.12	20	2.76	2600	65	0.03	95	1850	79	0.09	4	3	29
CC107685		<10	1	0.13	10	1.18	693	3	0.02	45	1150	38	0.03	<2	3	343
CC107686		<10	<1	0.11	20	1.71	1115	2	0.02	45	1010	45	0.01	<2	4	120
CC107687		<10	<1	0.09	20	4.39	525	3	0.02	19	680	34	0.04	<2	2	42
CC107688		<10	<1	0.06	10	1.84	1150	4	0.02	26	990	66	0.04	<2	2	35
CC107689		<10	<1	0.07	20	0.79	592	2	0.03	36	1150	44	0.03	<2	3	28
CC107690		<10	<1	0.06	10	1.79	1495	4	0.03	37	710	94	0.03	<2	3	25
CC107691		10	<1	0.13	20	1.33	1260	1	0.03	65	1030	78	0.03	<2	5	24
CC107692		<10	<1	0.12	20	2.20	3720	2	0.03	41	1210	129	0.05	<2	3	78
CC107693		<10	<1	0.05	10	8.03	979	7	0.03	29	960	37	0.03	<2	1	61
CC107694		<10	<1	0.12	20	0.80	1965	2	0.02	47	1730	48	0.08	<2	3	19
CC107695		<10	<1	0.12	20	1.19	10400	2	0.02	56	2060	140	0.11	<2	2	34
CC107696		<10	<1	0.06	20	1.43	36400	1	0.02	39	1260	313	0.09	<2	2	105
CC107697		<10	<1	0.10	10	0.79	9650	1	0.02	47	860	233	0.10	<2	2	220
CC107698		<10	<1	0.05	20	1.31	20800	1	0.02	31	760	320	0.04	<2	2	106
CC107699		<10	1	0.09	10	0.86	324	1	0.02	21	410	9	<0.01	<2	2	533
CC107700		<10	1	0.08	10	0.85	8140	1	0.01	38	770	433	0.14	5	2	121
CC107701		<10	<1	0.04	10	7.31	2060	1	0.02	13	2030	55	0.12	<2	1	58
CC107702		<10	<1	0.02	<10	11.65	962	9	0.02	25	150	180	<0.01	2	1	84
CC107703		<10	<1	0.01	<10	9.88	484	1	0.02	10	280	89	0.08	2	<1	66
CC107801		<10	<1	0.08	<10	0.87	249	<1	0.01	30	620	15	<0.01	<2	2	339
CC107802		<10	<1	0.11	10	0.93	321	<1	0.02	32	870	20	<0.01	3	2	262
CC107803		<10	<1	0.06	<10	0.67	475	<1	0.02	20	520	29	<0.01	<2	1	249
CC107804		<10	<1	0.06	10	5.61	16550	<1	0.02	27	1060	194	0.07	<2	2	79
CC107805		<10	<1	0.07	10	5.41	5700	1	0.02	35	1530	218	0.08	2	2	80
CC107806		<10	<1	0.06	10	8.24	977	10	0.02	41	1240	77	0.07	6	1	60
CC107807		<10	<1	0.12	30	0.76	2500	3	0.03	42	1100	93	0.07	<2	3	23
CC107808		<10	1	0.11	20	2.57	4320	2	0.03	31	1110	145	<0.01	<2	2	194
CC107809		<10	1	0.09	20	4.64	1565	6	0.03	28	1050	54	0.08	<2	2	40
CC107810		<10	<1	0.10	20	0.71	1240	4	0.03	39	710	61	0.05	<2	4	19
CC107811		<10	<1	0.08	20	3.54	1130	4	0.01	26	810	74	0.07	<2	2	30
CC107812		<10	<1	0.06	10	6.25	821	4	0.01	26	550	31	0.05	3	2	45
CC107813		10	<1	0.09	20	2.12	1075	3	0.02	29	600	45	0.05	2	4	23
CC107814		<10	<1	0.08	10	1.22	1035	3	0.02	29	950	36	0.07	3	2	21
CC107815		<10	<1	0.02	10	9.15	428	3	0.01	13	430	19	0.04	3	1	55
CC107816		<10	<1	0.12	20	1.86	1585	1	0.02	33	1240	94	0.07	5	2	42
CC107817		<10	1	0.11	20	1.50	972	<1	0.02	31	1080	90	0.07	2	2	58
CC107818		<10	<1	0.08	10	4.24	1595	1	0.02	27	1560	222	0.09	3	2	39

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 12- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10106642

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	Zn- OG46
	Analyte	Th	Ti	Tl	U	V	W	Zn	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%
	LOR	20	0.01	10	10	1	10	2	0.001
CC107682		<20	0.02	<10	<10	67	<10	832	
CC107683		<20	0.01	<10	<10	47	<10	318	
CC107684		<20	0.01	<10	<10	99	10	868	
CC107685		<20	0.01	<10	<10	23	<10	401	
CC107686		<20	0.05	<10	<10	40	<10	845	
CC107687		<20	0.01	<10	<10	22	<10	288	
CC107688		<20	0.03	<10	<10	45	20	714	
CC107689		<20	0.04	<10	<10	48	<10	340	
CC107690		<20	0.07	<10	<10	63	10	1910	
CC107691		<20	0.09	<10	<10	61	10	951	
CC107692		<20	0.02	<10	<10	38	10	2130	
CC107693		<20	0.01	<10	<10	82	20	649	
CC107694		<20	0.02	<10	<10	48	<10	859	
CC107695		<20	0.01	<10	<10	43	10	3160	
CC107696		<20	0.01	<10	<10	21	20	8450	
CC107697		<20	0.01	<10	<10	12	<10	2240	
CC107698		<20	0.01	<10	<10	17	<10	2050	
CC107699		<20	0.01	<10	10	8	<10	114	
CC107700		<20	0.02	<10	<10	25	10	>10000	1.350
CC107701		<20	0.01	<10	<10	26	70	223	
CC107702		<20	0.01	<10	10	26	10	485	
CC107703		<20	<0.01	<10	<10	15	<10	380	
CC107801		<20	0.01	<10	<10	5	<10	137	
CC107802		<20	0.01	<10	<10	9	<10	228	
CC107803		<20	0.01	<10	10	5	<10	388	
CC107804		<20	0.01	<10	<10	18	<10	2070	
CC107805		<20	0.01	<10	<10	27	10	2740	
CC107806		<20	0.01	<10	10	70	<10	604	
CC107807		<20	0.02	<10	<10	58	<10	817	
CC107808		<20	0.01	<10	<10	16	<10	1275	
CC107809		<20	0.02	<10	<10	40	<10	552	
CC107810		<20	0.04	<10	<10	56	10	518	
CC107811		<20	0.01	<10	<10	35	10	651	
CC107812		<20	0.02	<10	<10	31	10	229	
CC107813		<20	0.03	<10	<10	55	10	490	
CC107814		<20	0.02	<10	<10	44	<10	297	
CC107815		<20	0.01	<10	<10	17	<10	85	
CC107816		<20	0.03	<10	<10	39	10	576	
CC107817		<20	0.02	<10	<10	38	<10	455	
CC107818		<20	0.02	<10	<10	38	10	800	

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Project: RAU

CERTIFICATE OF ANALYSIS VA10106642

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC107819		0.20	0.009	0.4	0.88	107	<10	210	0.6	16	9.5	1.0	9	16	51	3.38
CC107820		0.22	0.024	0.9	1.20	90	<10	200	0.5	13	5.71	0.9	18	23	97	5.38
CC107821		0.22	0.001	0.2	0.66	13	<10	200	<0.5	2	20.3	<0.5	9	10	13	2.06
CC107822		0.22	0.002	0.3	0.53	18	<10	280	<0.5	<2	22.4	<0.5	7	10	12	1.81
CC107823		0.20	0.001	0.4	0.80	35	<10	130	<0.5	3	17.2	<0.5	20	22	23	4.82

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CERTIFICATE OF ANALYSIS VA10106642

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC107819		<10	<1	0.09	20	5.97	1625	1	0.01	23	1240	114	0.08	<2	2	44
CC107820		<10	<1	0.13	20	3.29	1110	<1	0.02	42	1670	135	0.12	2	2	40
CC107821		<10	<1	0.08	10	1.22	459	<1	0.02	27	1280	16	<0.01	3	1	147
CC107822		<10	<1	0.09	<10	1.32	429	<1	0.02	29	910	14	<0.01	3	1	189
CC107823		<10	<1	0.16	10	1.08	169	1	0.01	80	860	16	<0.01	<2	3	229

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CERTIFICATE OF ANALYSIS VA10106642

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	Zn- OG46
	Analyte	Th	Ti	Tl	U	V	W	Zn	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%
	LOR	20	0.01	10	10	1	10	2	0.001
CC107819		<20	0.01	<10	<10	31	10	541	
CC107820		<20	0.02	<10	<10	38	<10	491	
CC107821		<20	0.01	<10	<10	14	<10	137	
CC107822		<20	0.01	<10	<10	11	<10	139	
CC107823		<20	0.01	<10	<10	12	<10	121	

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Finalized Date: 14- AUG- 2010
Account: RCM

CERTIFICATE VA10106643

Project: RAU

P.O. No.:

This report is for 126 Soil samples submitted to our lab in Vancouver, BC, Canada on 3- AUG- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
PUL- 31	Pulverize split to 85% < 75 um
LOG- 21	Sample logging - ClientBarCode
SCR- 43	Screen to - 500um, discard plus
SCR- 01	Screen - Save plus fraction

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Project: RAU

CERTIFICATE OF ANALYSIS VA10106643

Sample Description	Method / Analyte / Units / LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC81199		0.18	0.018	0.5	0.97	32	<10	250	0.5	3	6.98	1.3	9	19	20	2.04
CC81200		0.20	0.016	0.6	0.68	27	<10	210	<0.5	4	2.64	1.3	9	14	16	1.71
CC81290		0.18	<0.001	0.3	0.97	24	<10	390	<0.5	3	2.29	0.7	14	15	18	1.76
CC81291		0.24	0.005	<0.2	0.67	20	<10	210	<0.5	3	10.7	0.7	6	13	13	1.19
CC81292		0.20	0.002	0.2	0.65	18	<10	110	<0.5	3	9.2	0.5	7	13	15	1.63
CC81293		0.26	0.001	<0.2	0.53	12	<10	100	<0.5	4	6.49	0.5	6	8	12	0.98
CC81294		0.22	<0.001	<0.2	0.19	2	<10	50	<0.5	2	0.43	<0.5	6	14	10	0.57
CC81295		0.18	0.006	0.6	1.59	40	<10	230	0.7	4	0.83	2.1	14	28	24	2.98
CC81296		0.20	0.005	0.2	1.60	13	<10	240	0.5	2	0.38	<0.5	11	28	22	2.53
CC81297		0.24	0.027	0.3	1.48	23	<10	190	0.5	3	1.44	0.6	13	25	20	2.67
CC81298		0.16	0.009	0.5	0.38	20	<10	120	<0.5	4	10.7	2.4	6	6	9	1.02
CC81299		0.28	0.008	<0.2	0.13	16	<10	130	<0.5	3	14.1	1.5	4	2	4	0.61
CC81300		0.30	0.003	<0.2	0.12	22	<10	120	<0.5	3	14.5	1.6	4	2	4	0.60
CC81388		0.22	0.004	<0.2	0.19	8	<10	40	<0.5	2	>25.0	<0.5	3	3	3	0.52
CC81389		0.22	0.004	<0.2	0.57	16	<10	110	<0.5	3	23.3	0.9	5	7	11	1.08
CC81390		0.20	0.003	0.2	0.43	17	<10	50	<0.5	3	>25.0	0.5	4	7	10	0.79
CC81391		0.26	0.002	<0.2	0.32	7	<10	40	<0.5	2	>25.0	<0.5	4	4	6	0.58
CC81392		0.22	0.011	<0.2	2.44	23	<10	130	<0.5	2	5.84	0.5	32	131	107	5.15
CC81393		0.22	0.029	2.0	2.42	108	<10	310	0.7	4	1.60	3.4	37	102	137	6.91
CC81394		0.26	0.023	2.1	2.42	112	<10	320	0.7	4	1.51	3.3	36	99	133	6.85
CC81395		0.28	0.085	1.6	1.62	352	<10	270	0.5	274	4.96	4.2	33	89	86	9.51
CC81396		0.30	0.036	0.7	0.48	88	<10	100	<0.5	21	14.6	0.6	7	12	15	2.11
CC81397		0.28	0.010	0.8	0.28	42	<10	80	<0.5	15	16.2	1.2	4	7	9	1.20
CC81398		0.24	0.009	0.4	0.68	21	<10	90	<0.5	3	11.6	0.5	5	10	9	1.24
CC81399		0.22	0.038	0.5	0.33	89	<10	80	<0.5	6	15.4	1.3	4	9	11	2.01
CC81400		0.24	0.023	0.4	0.54	28	<10	90	<0.5	3	13.0	0.5	5	9	9	1.49
CC81401		0.22	0.024	1.0	0.34	40	<10	130	<0.5	6	13.7	1.1	5	8	12	1.26
CC81402		0.18	0.006	0.5	0.26	38	<10	70	<0.5	4	14.2	0.8	4	5	9	0.94
CC81403		0.30	0.015	0.4	0.10	16	<10	60	<0.5	7	17.0	0.5	3	2	3	0.36
CC81404		0.32	0.011	0.9	0.29	28	<10	110	<0.5	3	14.3	1.2	5	6	9	0.97
CC81405		0.22	0.007	1.1	0.59	27	<10	90	<0.5	<2	12.3	2.9	5	9	15	1.20
CC81406		0.26	0.012	0.6	0.25	42	<10	140	<0.5	2	13.9	2.4	7	5	11	1.35
CC81407		0.24	0.015	0.5	0.17	62	<10	100	<0.5	3	15.3	1.2	2	3	5	0.80
CC81408		0.24	0.006	0.7	0.24	24	<10	120	<0.5	<2	14.5	2.0	4	4	6	0.75
CC81409		0.16	0.007	0.9	0.20	21	<10	160	<0.5	<2	10.1	2.9	3	4	7	0.77
CC81410		0.26	0.004	0.5	0.17	41	<10	100	<0.5	2	13.9	1.5	9	6	17	1.48
CC81411		0.18	0.018	1.0	0.42	62	<10	150	<0.5	2	9.0	1.9	13	7	17	2.66
CC81412		0.20	0.008	1.2	0.27	44	<10	180	<0.5	2	11.3	3.6	6	5	12	1.34
CC81413		0.28	0.018	0.8	0.26	44	<10	100	<0.5	<2	14.4	1.8	5	5	9	1.04
CC81414		0.20	0.004	0.6	0.13	24	<10	100	<0.5	<2	16.5	1.5	4	3	6	0.64

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CERTIFICATE OF ANALYSIS VA10106643

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC81199		<10	<1	0.06	10	4.17	1030	2	0.03	20	1210	131	0.10	3	1	33
CC81200		<10	<1	0.07	10	1.25	1015	2	0.02	15	1000	174	0.09	3	1	16
CC81290		<10	<1	0.05	10	0.84	736	2	0.02	13	1270	36	0.17	<2	1	14
CC81291		<10	<1	0.05	10	6.93	572	1	0.03	9	950	33	0.08	<2	1	34
CC81292		<10	<1	0.06	10	5.94	384	2	0.03	13	820	35	0.05	<2	1	41
CC81293		<10	1	0.03	10	3.73	656	1	0.03	7	1150	48	0.12	<2	<1	22
CC81294		<10	1	0.01	<10	0.11	390	1	0.01	5	220	6	0.04	<2	<1	4
CC81295		<10	1	0.10	10	0.53	1605	2	0.02	26	1560	191	0.09	2	2	17
CC81296		<10	<1	0.07	10	0.52	379	1	0.02	25	740	19	0.02	<2	4	21
CC81297		<10	<1	0.07	10	1.06	591	1	0.03	31	1040	36	0.04	<2	3	20
CC81298		<10	<1	0.02	<10	7.08	1055	1	0.03	8	700	71	0.04	<2	1	25
CC81299		<10	<1	0.01	<10	9.54	1035	<1	0.02	4	380	37	0.02	<2	<1	30
CC81300		<10	<1	0.01	<10	9.79	976	1	0.03	4	390	33	0.02	<2	<1	30
CC81388		<10	1	0.02	<10	0.20	337	1	0.02	2	390	16	<0.01	<2	1	117
CC81389		<10	<1	0.04	10	0.24	791	1	0.02	7	720	75	<0.01	<2	1	97
CC81390		<10	<1	0.04	<10	0.26	431	1	0.03	7	550	77	<0.01	<2	1	120
CC81391		<10	<1	0.03	<10	0.24	387	1	0.02	4	530	16	<0.01	<2	1	121
CC81392		10	1	0.13	20	1.75	786	1	0.02	109	1590	29	0.09	<2	4	39
CC81393		10	1	0.15	30	1.40	3760	1	0.01	114	1510	361	0.08	4	5	19
CC81394		10	<1	0.15	30	1.39	3760	1	0.01	110	1500	357	0.08	2	5	18
CC81395		<10	<1	0.14	30	2.41	1500	3	0.01	147	2350	345	0.04	9	6	49
CC81396		<10	1	0.04	10	8.89	628	5	0.02	30	1320	70	0.04	<2	1	59
CC81397		<10	<1	0.02	<10	9.97	761	3	0.02	10	480	208	0.02	<2	1	53
CC81398		<10	<1	0.04	10	6.92	749	2	0.02	9	970	26	0.07	<2	1	42
CC81399		<10	<1	0.02	10	9.47	935	2	0.02	13	420	200	0.02	<2	1	55
CC81400		<10	<1	0.03	10	7.81	957	7	0.02	17	1010	25	0.05	<2	1	56
CC81401		<10	<1	0.03	10	8.31	908	2	0.02	13	620	196	0.04	<2	1	55
CC81402		<10	<1	0.04	<10	8.76	674	1	0.01	6	460	82	0.04	<2	1	38
CC81403		<10	<1	0.01	<10	10.60	392	1	0.01	2	250	45	<0.01	<2	<1	38
CC81404		<10	<1	0.03	<10	8.82	1120	1	0.02	6	620	163	0.04	<2	1	43
CC81405		<10	<1	0.04	10	7.55	1325	1	0.02	13	840	187	0.06	<2	1	30
CC81406		<10	<1	0.03	<10	8.53	329	1	0.01	11	920	156	0.04	<2	1	32
CC81407		<10	<1	0.01	<10	9.55	529	1	0.01	5	400	102	0.02	<2	<1	32
CC81408		<10	<1	0.02	<10	9.01	1250	1	0.01	5	530	99	0.03	<2	1	31
CC81409		<10	<1	0.01	<10	6.02	1670	1	0.01	7	600	128	0.05	<2	<1	20
CC81410		<10	<1	0.02	<10	8.54	814	1	0.01	17	660	203	0.01	<2	1	33
CC81411		<10	<1	0.05	10	5.49	1305	1	0.01	20	1480	173	0.03	<2	1	33
CC81412		<10	<1	0.03	<10	6.82	2050	1	0.01	11	790	198	0.03	<2	1	26
CC81413		<10	<1	0.02	<10	8.89	731	1	0.01	11	560	152	0.02	<2	1	32
CC81414		<10	<1	0.01	<10	10.20	675	1	0.01	5	310	125	0.01	<2	1	36

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
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Finalized Date: 14- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10106643

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC81199		<20	0.01	<10	<10	45	10	351
CC81200		<20	0.01	<10	<10	32	10	365
CC81290		<20	0.01	<10	<10	45	10	192
CC81291		<20	0.01	<10	10	35	<10	161
CC81292		<20	0.02	<10	<10	32	<10	117
CC81293		<20	0.01	<10	<10	28	<10	142
CC81294		<20	0.01	<10	<10	9	10	54
CC81295		<20	0.02	<10	<10	70	<10	426
CC81296		<20	0.05	<10	<10	52	<10	79
CC81297		<20	0.03	<10	<10	47	<10	152
CC81298		<20	0.01	<10	<10	17	<10	309
CC81299		<20	0.01	<10	10	8	<10	214
CC81300		<20	0.01	<10	10	7	<10	213
CC81388		<20	<0.01	<10	20	4	<10	81
CC81389		<20	0.01	<10	10	11	<10	192
CC81390		<20	0.01	<10	20	7	<10	214
CC81391		<20	0.01	<10	20	5	<10	79
CC81392		<20	0.03	<10	<10	60	<10	167
CC81393		<20	0.03	<10	<10	55	<10	1505
CC81394		<20	0.03	<10	<10	54	<10	1475
CC81395		<20	0.04	<10	<10	56	30	1155
CC81396		<20	0.01	<10	10	39	10	182
CC81397		<20	0.01	<10	10	23	10	313
CC81398		<20	0.01	<10	<10	32	<10	105
CC81399		<20	0.01	<10	10	24	<10	308
CC81400		<20	0.01	<10	<10	43	10	101
CC81401		<20	0.01	<10	<10	23	10	316
CC81402		<20	0.01	<10	<10	16	<10	247
CC81403		<20	<0.01	<10	<10	6	<10	105
CC81404		<20	0.01	<10	<10	19	<10	306
CC81405		<20	0.01	<10	<10	28	<10	460
CC81406		<20	0.01	<10	<10	26	<10	419
CC81407		<20	0.01	<10	<10	22	<10	264
CC81408		<20	0.01	<10	<10	24	<10	330
CC81409		<20	0.01	<10	<10	18	<10	443
CC81410		<20	<0.01	<10	<10	20	<10	542
CC81411		<20	0.01	<10	<10	50	<10	514
CC81412		<20	0.01	<10	<10	27	<10	570
CC81413		<20	0.01	<10	<10	24	<10	396
CC81414		<20	<0.01	<10	<10	15	<10	241

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CERTIFICATE OF ANALYSIS VA10106643

Sample Description	Method / Analyte / Units / LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC81415		0.24	0.034	1.8	1.43	231	<10	290	0.8	33	2.27	3.6	13	27	57	4.41
CC81416		0.20	0.026	1.0	0.73	50	<10	170	<0.5	7	9.0	1.4	7	13	19	1.78
CC81417		0.24	0.007	0.4	0.22	15	<10	100	<0.5	<2	15.1	<0.5	3	5	7	0.76
CC81418		0.18	0.007	0.5	0.60	26	<10	130	<0.5	3	12.0	0.9	5	10	10	1.23
CC81419		0.16	0.002	0.3	0.60	21	<10	90	0.5	<2	8.5	0.5	6	13	13	1.52
CC81420		0.16	0.009	0.5	0.89	32	<10	130	<0.5	2	6.75	1.0	8	16	15	1.72
CC81421		0.20	0.003	0.4	0.92	14	<10	130	<0.5	<2	9.5	0.7	6	14	11	1.46
CC81422		0.22	0.008	0.4	0.55	17	<10	110	<0.5	2	12.3	0.6	5	9	9	1.01
CC81423		0.24	0.083	2.3	0.75	350	<10	190	<0.5	41	8.8	2.6	8	17	34	3.58
CC81424		0.26	0.008	0.3	1.19	19	<10	160	<0.5	<2	3.17	<0.5	8	22	25	2.14
CC81425		0.16	0.051	1.7	1.05	190	<10	210	<0.5	22	6.34	1.8	8	21	32	2.97
CC81426		0.22	0.017	0.8	0.97	95	<10	270	<0.5	10	1.82	1.5	10	17	21	2.99
CC81427		0.20	0.017	0.8	0.44	56	<10	110	<0.5	8	12.5	1.0	4	8	14	1.19
CC81428		0.20	0.006	0.5	0.30	25	<10	90	<0.5	<2	12.8	1.4	6	5	12	1.29
CC81429		0.16	0.005	0.5	0.54	24	<10	110	<0.5	<2	9.5	1.3	8	8	14	1.70
CC81430		0.20	0.005	0.5	0.25	13	<10	90	<0.5	<2	15.5	0.6	6	3	9	0.87
CC81431		0.22	0.004	0.2	0.14	10	<10	70	<0.5	<2	17.0	0.5	4	2	7	0.46
CC81432		0.18	0.004	0.4	0.09	15	<10	130	<0.5	<2	15.2	1.3	2	2	4	0.51
CC81433		0.28	0.013	0.7	0.23	83	<10	150	<0.5	<2	15.1	1.6	16	7	27	2.53
CC81434		0.24	0.010	0.5	0.46	53	<10	130	<0.5	4	12.4	1.5	6	9	17	1.52
CC81435		0.24	0.006	0.4	1.82	19	<10	160	0.7	2	3.31	1.0	10	27	20	2.66
CC81436		0.18	0.003	0.2	1.20	11	<10	140	0.6	<2	6.07	0.9	8	15	16	1.76
CC81437		0.26	0.004	0.2	0.99	14	<10	180	<0.5	5	7.15	0.5	7	18	11	1.73
CC81438		0.20	0.026	0.4	0.50	24	<10	110	<0.5	<2	12.4	0.6	5	9	13	0.99
CC81439		0.20	0.020	0.7	1.58	66	<10	200	0.5	17	1.50	1.1	9	25	17	3.22
CC81440		0.24	0.010	0.4	0.59	20	<10	80	<0.5	2	12.8	1.0	5	11	11	1.23
CC81441		0.26	0.016	0.7	0.70	35	<10	120	<0.5	<2	10.5	1.3	7	13	15	1.61
CC81442		0.20	0.013	0.8	0.90	35	<10	170	0.5	2	5.46	2.5	8	16	20	1.94
CC81443		0.20	0.004	<0.2	0.15	4	<10	30	<0.5	<2	17.0	0.5	3	7	6	0.32
CC81444		0.28	0.018	0.7	0.56	24	<10	80	<0.5	3	12.9	0.9	5	11	14	1.43
CC81445		0.22	0.014	1.1	1.44	35	<10	200	0.6	2	3.62	1.6	9	25	21	2.58
CC81446		0.20	0.007	0.5	1.67	28	<10	220	0.7	<2	1.70	1.6	11	27	20	2.78
CC81447		0.20	0.010	0.8	1.08	27	<10	140	0.5	3	4.64	1.3	7	19	20	2.04
CC81448		0.22	0.022	0.6	1.32	78	<10	240	0.5	3	3.89	1.2	12	23	31	3.02
CC81449		0.28	0.010	0.8	1.43	73	<10	240	0.6	3	1.39	2.3	16	26	32	3.75
CC81450		0.26	0.005	0.2	0.06	21	<10	160	<0.5	2	15.7	1.5	3	2	4	0.53
CC81451		0.44	0.003	<0.2	0.05	19	<10	130	<0.5	3	15.6	1.2	2	2	3	0.40
CC81452		0.28	0.005	0.2	0.13	6	<10	70	<0.5	<2	18.5	0.6	2	2	4	0.29
CC81453		0.22	0.005	0.6	0.28	11	<10	70	<0.5	<2	15.9	0.8	10	5	11	3.24
CC81454		0.22	0.006	0.3	0.35	8	<10	210	<0.5	<2	>25.0	2.3	4	5	9	1.09

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CERTIFICATE OF ANALYSIS VA10106643

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC81415		<10	<1	0.07	20	1.29	2690	2	0.01	44	1550	550	0.09	8	2	17
CC81416		<10	<1	0.04	10	5.49	1060	2	0.02	16	850	220	0.07	<2	1	31
CC81417		<10	<1	0.03	<10	9.30	407	1	0.02	6	440	62	0.03	<2	1	45
CC81418		<10	<1	0.04	10	7.29	718	1	0.02	10	770	58	0.05	<2	1	40
CC81419		<10	<1	0.04	10	4.75	1075	5	0.01	19	1420	21	0.13	<2	1	35
CC81420		<10	<1	0.06	10	4.31	1240	2	0.01	16	1190	66	0.07	<2	1	29
CC81421		<10	<1	0.04	10	5.94	407	1	0.02	11	990	39	0.05	<2	1	30
CC81422		<10	<1	0.04	10	7.63	501	1	0.02	10	710	37	0.04	<2	1	31
CC81423		<10	<1	0.05	10	5.44	1395	2	0.02	27	1110	450	0.04	5	2	37
CC81424		<10	<1	0.08	10	2.07	415	1	0.02	20	750	18	0.02	<2	3	27
CC81425		<10	<1	0.08	10	4.16	1165	2	0.02	25	1020	275	0.04	<2	2	31
CC81426		<10	<1	0.08	10	0.90	1105	1	0.01	23	950	162	0.05	<2	1	17
CC81427		<10	<1	0.03	10	7.66	330	1	0.02	10	680	163	0.04	<2	1	35
CC81428		<10	<1	0.03	<10	7.86	796	1	0.01	10	880	88	0.03	<2	1	28
CC81429		<10	<1	0.04	<10	6.13	862	<1	0.02	10	1080	66	0.06	3	1	22
CC81430		<10	<1	0.03	<10	10.20	542	<1	0.03	5	940	36	<0.01	4	<1	38
CC81431		<10	<1	0.01	<10	11.30	336	<1	0.02	<1	550	28	0.04	2	<1	29
CC81432		<10	<1	0.01	<10	10.10	1390	<1	0.02	1	420	50	0.03	4	<1	29
CC81433		<10	<1	0.05	<10	9.44	643	<1	0.02	56	910	174	0.02	6	1	33
CC81434		<10	<1	0.04	<10	8.14	920	<1	0.02	14	840	145	0.04	2	1	32
CC81435		<10	<1	0.07	10	2.12	843	<1	0.02	22	1040	63	0.08	<2	2	23
CC81436		<10	<1	0.05	10	3.38	1495	<1	0.03	11	1490	26	0.15	<2	1	20
CC81437		<10	<1	0.05	10	4.60	479	<1	0.03	14	690	33	0.02	<2	2	28
CC81438		<10	<1	0.04	<10	8.04	425	1	0.02	6	700	49	0.05	3	1	42
CC81439		<10	1	0.06	10	0.88	637	2	0.02	18	710	102	0.07	<2	2	17
CC81440		<10	<1	0.04	10	8.41	479	1	0.02	9	760	69	0.05	3	1	43
CC81441		<10	<1	0.05	10	6.83	867	1	0.03	12	850	218	0.06	2	1	36
CC81442		<10	<1	0.10	10	2.90	1080	1	0.02	17	1230	190	0.13	4	1	25
CC81443		<10	1	0.01	<10	11.10	358	<1	0.02	<1	700	21	<0.01	3	<1	45
CC81444		<10	<1	0.05	10	8.49	597	1	0.02	11	640	87	0.04	4	2	49
CC81445		<10	<1	0.07	10	2.28	1120	1	0.03	21	1040	231	0.07	2	2	22
CC81446		<10	<1	0.08	10	1.04	1245	1	0.03	24	1050	162	0.07	<2	2	19
CC81447		<10	<1	0.07	10	2.79	823	1	0.03	18	1060	118	0.07	<2	2	23
CC81448		<10	<1	0.09	10	2.53	1000	1	0.04	36	1160	98	0.04	<2	3	31
CC81449		<10	<1	0.06	10	1.02	1905	1	0.02	48	1420	237	0.05	2	3	18
CC81450		<10	1	0.01	<10	10.45	1505	<1	0.02	<1	320	39	0.01	<2	<1	32
CC81451		<10	1	0.01	<10	10.30	1220	<1	0.02	<1	290	39	0.02	3	<1	29
CC81452		<10	1	0.01	<10	12.50	572	<1	0.02	1	300	48	<0.01	<2	<1	26
CC81453		<10	<1	0.12	10	0.33	686	2	0.01	22	1700	47	0.17	<2	1	148
CC81454		<10	<1	0.06	<10	0.22	875	<1	0.02	6	870	147	<0.01	<2	1	146

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Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC81415		<20	0.01	<10	<10	60	10	1230
CC81416		<20	0.01	<10	<10	33	<10	408
CC81417		<20	0.01	<10	<10	18	<10	118
CC81418		<20	0.01	<10	10	29	<10	170
CC81419		<20	0.01	<10	<10	48	<10	93
CC81420		<20	0.01	<10	<10	46	<10	189
CC81421		<20	0.02	<10	<10	35	<10	100
CC81422		<20	0.01	<10	<10	28	<10	121
CC81423		<20	0.02	<10	<10	42	10	667
CC81424		<20	0.05	<10	<10	42	<10	101
CC81425		<20	0.03	<10	<10	45	10	459
CC81426		<20	0.02	<10	<10	46	<10	483
CC81427		<20	0.01	<10	<10	23	<10	327
CC81428		<20	0.01	<10	<10	21	<10	363
CC81429		<20	0.01	<10	<10	27	<10	337
CC81430		<20	<0.01	<10	<10	15	<10	188
CC81431		<20	<0.01	<10	<10	15	<10	156
CC81432		<20	<0.01	<10	<10	11	<10	230
CC81433		<20	<0.01	<10	<10	27	<10	633
CC81434		<20	0.01	<10	<10	26	<10	366
CC81435		<20	0.02	<10	<10	55	<10	213
CC81436		<20	0.02	<10	<10	39	10	206
CC81437		<20	0.04	<10	<10	36	<10	87
CC81438		<20	0.01	<10	<10	23	<10	136
CC81439		<20	0.02	<10	<10	67	<10	174
CC81440		<20	0.01	<10	<10	31	<10	188
CC81441		<20	0.01	<10	<10	35	<10	412
CC81442		<20	0.01	<10	<10	41	<10	518
CC81443		<20	<0.01	<10	<10	22	<10	78
CC81444		<20	0.02	<10	<10	34	<10	240
CC81445		<20	0.02	<10	<10	61	<10	403
CC81446		<20	0.03	<10	<10	63	<10	300
CC81447		<20	0.02	<10	<10	45	<10	282
CC81448		<20	0.03	<10	<10	49	<10	262
CC81449		<20	0.03	<10	<10	60	<10	659
CC81450		<20	<0.01	<10	<10	9	<10	239
CC81451		<20	<0.01	<10	<10	9	<10	199
CC81452		<20	<0.01	<10	<10	8	<10	207
CC81453		<20	<0.01	<10	<10	4	<10	226
CC81454		<20	0.01	<10	<10	6	<10	737

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Project: RAU

CERTIFICATE OF ANALYSIS VA10106643

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC81455		0.22	0.006	0.3	0.05	58	<10	10	<0.5	<2	>25.0	0.6	1	1	7	0.93
CC81456		0.26	0.008	0.4	0.44	42	<10	80	<0.5	<2	>25.0	1.0	3	8	20	1.13
CC81457		0.22	0.004	<0.2	0.08	5	<10	70	<0.5	<2	>25.0	<0.5	1	1	3	0.37
CC81458		0.24	0.007	0.2	0.15	5	<10	20	<0.5	<2	>25.0	<0.5	1	1	5	0.47
CC81459		0.26	0.002	0.3	0.23	6	<10	30	<0.5	2	>25.0	0.6	2	4	7	0.70
CC81460		0.28	0.005	0.2	2.48	12	<10	110	<0.5	<2	13.2	<0.5	30	110	92	4.64
CC81461		0.24	0.013	0.3	0.60	37	<10	100	<0.5	<2	15.2	1.4	5	16	22	1.01
CC81462		0.26	0.005	0.3	0.83	15	<10	120	0.5	<2	10.5	0.7	5	13	12	1.39
CC81463		0.20	0.019	0.6	0.67	90	<10	210	0.5	<2	12.6	0.8	3	10	8	2.15
CC81464		0.24	0.025	0.5	1.15	60	<10	260	0.5	2	6.48	0.6	8	18	28	2.75
CC81465		0.20	0.004	<0.2	1.47	18	<10	190	0.6	<2	3.94	<0.5	8	21	13	2.43
CC81466		0.18	0.009	0.2	0.13	9	<10	40	<0.5	<2	17.0	0.5	2	3	3	0.59
CC81467		0.20	0.006	0.7	0.27	9	<10	100	<0.5	<2	15.1	0.9	2	4	5	0.80
CC81468		0.16	0.009	0.2	0.18	16	<10	80	<0.5	<2	16.2	0.8	2	3	5	0.94
CC81469		0.24	0.007	0.3	0.14	15	<10	100	<0.5	<2	15.2	1.0	2	3	5	0.50
CC81470		0.20	0.060	1.0	0.30	27	<10	840	<0.5	<2	14.6	10.8	6	7	12	1.29
CC81471		0.16	0.025	0.5	0.43	36	<10	140	<0.5	2	15.0	1.2	6	11	14	1.41
CC81472		0.16	0.005	0.3	0.17	14	<10	70	<0.5	<2	16.6	0.7	2	4	5	0.50
CC81473		0.16	0.006	<0.2	0.13	9	<10	60	<0.5	<2	16.6	0.6	2	5	3	0.47
CC81474		0.20	0.006	0.7	0.89	20	<10	1970	0.5	<2	5.70	3.7	7	13	21	2.72
CC81475		0.16	0.005	1.1	0.34	13	<10	2180	<0.5	<2	8.5	9.1	9	4	16	2.48
CC81476		0.20	0.007	0.7	0.43	18	<10	120	<0.5	<2	14.1	1.7	5	11	10	1.18
CC81477		0.20	0.010	0.7	0.57	20	<10	210	<0.5	<2	12.7	3.2	6	10	11	1.60
CC81478		0.18	0.010	0.3	0.14	15	<10	130	<0.5	<2	17.0	2.0	2	4	4	0.77
CC81479		0.18	0.020	1.0	0.20	19	<10	60	<0.5	<2	15.0	2.6	2	5	7	0.73
CC81480		0.24	0.051	0.8	0.50	200	<10	190	<0.5	15	12.4	3.0	16	20	61	3.99
CC81481		0.20	0.002	0.4	0.15	14	<10	80	<0.5	<2	16.4	1.4	3	4	5	0.56
CC81482		0.16	0.016	0.4	0.26	24	<10	330	<0.5	<2	14.2	1.7	3	5	7	1.15
CC81483		0.18	0.065	1.1	0.14	34	<10	70	<0.5	9	15.2	1.3	2	3	9	2.01
CC81484		0.18	0.023	1.6	0.19	62	<10	150	<0.5	12	15.8	1.7	3	3	5	1.95
CC81485		0.24	0.018	0.6	0.22	47	<10	100	<0.5	<2	15.6	0.8	2	5	6	1.24
CC81486		0.20	0.116	2.9	1.27	216	<10	460	0.6	129	7.1	7.5	15	40	86	5.43
CC81487		0.18	0.012	0.4	0.33	16	<10	60	<0.5	<2	15.6	1.5	3	8	9	0.61
CC81488		0.18	0.005	0.3	0.07	5	<10	30	<0.5	<2	>25.0	<0.5	1	1	3	0.28
CC81489		0.24	0.006	0.2	0.09	<2	<10	20	<0.5	<2	>25.0	<0.5	2	17	14	0.26
CC81490		0.22	0.002	<0.2	0.10	10	<10	20	<0.5	<2	>25.0	<0.5	1	3	6	0.28
CC81491		0.24	0.008	0.3	0.10	50	<10	10	<0.5	<2	>25.0	<0.5	2	1	10	0.42
CC81492		0.20	0.006	0.2	0.14	13	<10	390	<0.5	3	>25.0	0.5	1	2	9	0.52
CC81493		0.24	0.020	<0.2	0.11	8	<10	20	<0.5	3	>25.0	<0.5	1	1	4	0.42
CC81494		0.26	0.002	0.2	0.29	9	<10	50	<0.5	3	>25.0	0.6	1	3	9	0.65

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
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Finalized Date: 14- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10106643

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC81455		<10	<1	0.01	<10	0.15	309	<1	0.01	5	140	50	<0.01	<2	1	120
CC81456		<10	<1	0.06	10	0.24	552	<1	0.01	16	490	94	<0.01	<2	1	101
CC81457		<10	1	0.01	<10	0.18	948	<1	0.01	2	180	88	<0.01	<2	<1	136
CC81458		<10	<1	0.02	<10	0.26	299	<1	0.01	2	280	11	<0.01	<2	1	115
CC81459		<10	<1	0.03	<10	0.36	401	<1	0.01	5	330	48	<0.01	<2	1	115
CC81460		<10	<1	0.25	30	2.41	514	<1	0.01	96	1020	31	0.02	<2	5	57
CC81461		<10	<1	0.03	10	9.30	469	2	0.02	34	1100	87	0.02	3	2	63
CC81462		<10	<1	0.04	10	6.22	580	1	0.02	14	950	31	0.06	<2	1	43
CC81463		<10	<1	0.02	10	7.61	1935	1	0.02	8	2200	77	0.08	<2	1	52
CC81464		<10	<1	0.05	10	4.05	1105	1	0.02	20	850	33	0.04	6	2	35
CC81465		10	<1	0.06	10	2.44	765	1	0.02	16	1020	24	0.07	<2	2	23
CC81466		<10	<1	0.01	10	10.90	594	1	0.02	2	240	18	<0.01	<2	<1	58
CC81467		<10	<1	0.02	10	9.18	1490	<1	0.02	4	900	49	0.06	<2	1	59
CC81468		<10	<1	0.02	10	10.25	814	<1	0.02	5	1340	29	0.03	<2	1	59
CC81469		<10	<1	0.01	<10	9.66	550	3	0.02	6	440	50	0.03	<2	<1	58
CC81470		<10	<1	0.04	10	8.85	1600	2	0.03	21	1590	348	0.05	<2	1	65
CC81471		<10	<1	0.10	10	8.93	906	1	0.02	19	890	120	0.07	<2	1	54
CC81472		<10	<1	0.02	10	10.55	710	1	0.03	4	430	37	0.04	<2	1	73
CC81473		<10	<1	0.03	10	10.70	360	2	0.02	5	170	19	<0.01	<2	1	71
CC81474		<10	<1	0.15	20	3.44	2240	3	0.03	21	750	117	0.07	2	2	46
CC81475		<10	<1	0.12	20	4.92	2540	2	0.03	14	490	207	0.09	2	1	75
CC81476		<10	<1	0.02	10	8.77	1260	4	0.02	15	990	69	0.07	<2	1	58
CC81477		<10	1	0.03	10	8.09	2230	4	0.02	22	810	167	0.05	<2	1	52
CC81478		<10	1	0.01	10	11.00	1060	3	0.02	5	330	71	<0.01	<2	1	75
CC81479		<10	<1	0.01	10	9.32	808	<1	0.02	6	1280	145	0.07	<2	1	58
CC81480		<10	1	0.05	10	7.41	1110	4	0.02	67	1570	664	0.02	8	3	45
CC81481		<10	<1	0.01	10	10.30	853	1	0.02	4	460	57	0.04	<2	<1	63
CC81482		<10	1	0.02	10	9.04	930	6	0.02	14	770	115	0.06	<2	1	61
CC81483		<10	<1	0.01	10	9.39	910	5	0.02	8	900	111	0.06	<2	1	70
CC81484		<10	<1	0.01	10	9.51	1940	1	0.02	10	820	153	0.03	<2	1	59
CC81485		<10	<1	0.02	10	9.83	1005	1	0.02	7	1170	30	0.05	<2	1	68
CC81486		<10	<1	0.05	20	4.26	2900	3	0.02	68	1420	1575	0.07	15	4	32
CC81487		<10	<1	0.02	10	9.87	378	<1	0.02	7	650	173	0.04	<2	1	53
CC81488		<10	<1	0.01	<10	0.28	377	<1	0.01	1	170	14	<0.01	<2	<1	123
CC81489		<10	<1	0.01	<10	0.26	220	<1	0.01	6	170	6	<0.01	<2	1	134
CC81490		<10	1	0.01	<10	0.19	263	<1	0.01	2	180	12	<0.01	2	1	120
CC81491		<10	1	0.01	<10	0.21	236	<1	0.01	3	230	17	<0.01	<2	1	116
CC81492		<10	<1	0.01	<10	0.19	441	<1	0.02	7	230	43	<0.01	<2	1	128
CC81493		<10	<1	0.02	<10	0.17	294	<1	0.02	3	150	19	<0.01	<2	1	145
CC81494		<10	<1	0.02	10	0.23	708	<1	0.02	4	390	89	<0.01	<2	1	125

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Finalized Date: 14- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10106643

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC81455		<20	<0.01	<10	<10	<1	<10	264
CC81456		<20	0.01	<10	<10	9	<10	509
CC81457		<20	<0.01	<10	<10	1	<10	70
CC81458		<20	<0.01	<10	<10	2	<10	75
CC81459		<20	0.01	<10	<10	4	<10	238
CC81460		<20	0.04	<10	<10	59	<10	195
CC81461		<20	0.02	<10	10	46	<10	317
CC81462		<20	0.01	<10	<10	40	<10	109
CC81463		<20	0.01	<10	<10	32	<10	235
CC81464		<20	0.02	<10	<10	43	20	172
CC81465		<20	0.02	<10	<10	46	10	130
CC81466		<20	<0.01	<10	10	18	<10	93
CC81467		<20	0.01	<10	10	15	<10	132
CC81468		<20	<0.01	<10	10	13	<10	120
CC81469		<20	<0.01	<10	10	16	<10	197
CC81470		<20	0.01	<10	10	40	10	1455
CC81471		<20	0.01	<10	10	40	<10	348
CC81472		<20	<0.01	<10	<10	26	<10	157
CC81473		<20	<0.01	<10	10	10	<10	136
CC81474		<20	0.02	<10	<10	28	<10	858
CC81475		<20	<0.01	<10	<10	7	<10	1580
CC81476		<20	0.01	<10	10	33	<10	406
CC81477		<20	0.01	<10	<10	47	10	870
CC81478		<20	<0.01	<10	<10	25	10	504
CC81479		<20	<0.01	<10	10	31	<10	497
CC81480		<20	0.02	<10	10	29	10	1190
CC81481		<20	<0.01	<10	10	22	10	309
CC81482		<20	0.01	<10	10	28	10	514
CC81483		<20	<0.01	<10	10	31	10	246
CC81484		<20	0.01	<10	10	18	30	301
CC81485		<20	<0.01	<10	<10	19	20	120
CC81486		<20	0.03	<10	<10	67	10	1870
CC81487		<20	0.01	<10	<10	21	<10	186
CC81488		<20	<0.01	<10	<10	2	<10	46
CC81489		20	0.01	<10	<10	5	<10	31
CC81490		<20	<0.01	<10	<10	2	<10	68
CC81491		<20	<0.01	<10	10	2	<10	68
CC81492		<20	<0.01	<10	20	2	<10	164
CC81493		<20	<0.01	<10	20	<1	<10	83
CC81494		<20	<0.01	<10	10	5	<10	155

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Finalized Date: 14- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10106643

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC81495		0.24	0.004	<0.2	0.27	10	<10	40	<0.5	3	>25.0	0.6	1	3	8	0.59
CC81496		0.26	0.003	<0.2	0.09	7	<10	20	<0.5	2	>25.0	<0.5	<1	1	4	0.28
CC81497		0.22	0.004	<0.2	0.27	18	<10	50	<0.5	3	>25.0	0.7	2	6	10	0.65
CC81498		0.26	0.010	<0.2	0.43	21	<10	170	<0.5	2	>25.0	0.8	5	26	21	2.39
CC81499		0.20	0.012	0.5	0.21	17	<10	60	<0.5	4	17.8	0.6	1	5	6	0.51
CC81500		0.16	0.009	1.7	0.43	45	<10	1570	<0.5	9	10.7	15.2	4	9	13	2.10

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Finalized Date: 14- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10106643

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
CC81495		<10	<1	0.02	10	0.22	582	<1	0.02	3	370	43	<0.01	<2	1	120
CC81496		<10	<1	0.01	<10	0.24	301	<1	0.02	1	170	7	<0.01	<2	<1	125
CC81497		<10	<1	0.03	<10	0.32	511	<1	0.02	7	360	88	<0.01	<2	1	122
CC81498		<10	<1	0.15	10	0.35	796	<1	0.02	20	530	32	<0.01	<2	2	116
CC81499		<10	<1	0.02	10	11.50	447	<1	0.03	9	740	44	<0.01	<2	1	75
CC81500		<10	<1	0.03	10	6.08	2230	2	0.03	16	2030	268	0.17	3	1	51

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Finalized Date: 14- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10106643

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC81495		<20	<0.01	<10	10	4	<10	130
CC81496		<20	<0.01	<10	20	<1	<10	59
CC81497		<20	<0.01	<10	10	4	<10	411
CC81498		<20	0.02	<10	10	12	<10	310
CC81499		<20	<0.01	<10	10	16	<10	110
CC81500		<20	<0.01	<10	<10	20	20	2820

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Finalized Date: 19- AUG- 2010
Account: RCM

CERTIFICATE VA10108984

Project: RAU (OCELOT)

P.O. No.: BATCH 3

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 9- AUG- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- 31	Fine crushing - 70% < 2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
Ag- OG62	Ore Grade Ag - Four Acid	VARIABLE
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Pb- OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn- OG62	Ore Grade Zn - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 19- AUG- 2010
Account: RCM

Project: RAU (OCELOT)

CERTIFICATE OF ANALYSIS VA10108984

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
G285422		4.68	<0.01	0.03	0.06	14	100	0.12	0.11	12.85	0.65	0.54	0.5	6	0.10	11.9
G285423		2.82	<0.01	0.08	0.49	13	720	0.26	0.09	16.55	0.64	7.19	3.0	15	1.24	8.3
G285424		4.22	<0.01	0.10	2.84	11	400	0.50	0.07	15.30	0.28	31.7	6.2	82	1.98	17.6
G285425		1.72	<0.01	0.08	4.05	5	1130	0.66	0.12	20.6	0.11	38.2	24.8	273	2.51	11.1
G285426		1.64	<0.01	0.11	5.99	9	1670	0.78	0.39	10.70	0.12	60.1	59.2	315	2.48	85.9
G285427		1.70	<0.01	0.09	6.23	2.3	1570	0.96	0.07	2.94	0.06	62.0	55.8	349	3.47	88.9
G285428		0.14	0.48	>100	4.88	9050	180	0.95	0.19	2.01	278	37.2	16.6	43	8.39	976
G285429		4.92	<0.01	0.37	4.22	4.3	1180	0.91	0.07	8.00	0.16	40.4	14.4	75	0.39	29.0
G285430		4.74	<0.01	0.10	5.71	13.1	590	1.04	0.04	6.62	0.06	52.2	23.5	122	1.11	44.5
G285431		2.48	0.01	0.12	6.88	39.6	1000	1.03	0.06	4.36	0.19	53.1	33.4	219	1.72	55.3
G285432		1.38	0.02	0.22	5.76	38.1	1990	0.44	0.06	2.90	0.19	20.4	32.9	241	1.38	70.3
G285433		1.88	0.01	0.10	4.18	32	70	0.51	0.04	12.15	0.21	27.7	20.8	162	0.99	28.6
G285434		4.90	0.01	0.03	0.25	15	380	0.09	0.03	19.85	0.22	3.64	2.2	12	0.11	6.6
G285435		3.54	0.01	0.44	0.70	88	3550	0.39	0.15	18.75	0.33	5.77	6.0	17	0.32	5.5
G285436		3.96	<0.01	0.01	0.07	<5	30	<0.05	0.03	19.65	0.06	1.20	1.1	1	0.14	2.3
G285437		3.76	<0.01	0.24	0.07	15	460	0.09	0.06	20.2	0.24	2.13	1.0	3	0.06	1.6
G285438		1.96	0.01	0.13	0.03	40	6930	<0.05	0.05	20.3	0.36	2.56	0.8	1	0.13	1.2
G285439		4.18	<0.01	0.06	0.05	10	540	0.06	0.03	20.4	0.14	1.76	0.8	2	0.13	1.0
G285440		3.68	0.01	0.07	0.20	7	740	0.08	0.02	20.6	0.08	3.58	2.2	5	0.15	4.1
G285441		3.98	0.02	0.20	4.37	25	60	0.74	0.02	11.05	0.32	40.4	57.9	221	0.96	49.3
G285442		5.28	<0.01	0.07	4.37	5	1540	0.48	0.03	17.25	0.07	44.9	34.7	289	1.61	56.5
G285443		5.52	<0.01	0.14	6.91	4.4	3030	1.60	0.05	6.28	0.09	123.0	41.4	116	4.31	56.0
G285444		5.40	<0.01	0.11	6.76	49.9	1010	1.25	0.07	4.11	0.21	60.9	40.8	194	1.14	57.6
G285445		3.68	0.02	2.74	0.99	163	290	0.37	0.88	18.60	9.02	43.0	45.6	43	0.40	288
G285446		0.12	0.24	>100	5.82	4340	200	0.76	0.14	2.24	128.0	26.2	13.5	48	4.41	483
G285447		5.20	<0.01	0.84	0.26	17	310	0.19	0.12	21.4	1.79	8.11	4.7	10	0.18	34.9
G285448		4.96	<0.01	0.07	0.08	8	110	0.06	0.02	21.3	0.89	1.94	0.8	4	<0.05	2.8
G285449		3.26	<0.01	0.03	0.05	8	190	0.09	0.04	20.8	0.06	1.76	0.9	1	<0.05	1.1
G285450		1.48	<0.01	0.08	0.07	9	250	0.11	0.05	20.7	0.12	1.79	0.9	3	0.06	1.6
G285451		2.94	0.01	0.05	0.03	16	610	0.08	0.09	20.3	0.12	3.23	0.8	1	0.12	1.0
G285452		2.04	0.01	0.10	0.04	47	2080	0.08	0.14	18.60	0.31	6.38	1.2	2	0.12	1.1
G285453		4.04	<0.01	<0.01	0.07	7	20	<0.05	0.08	20.9	0.05	1.08	1.2	1	0.16	1.8
G285454		6.02	<0.01	0.02	0.07	10	350	0.12	0.10	21.1	0.07	1.69	1.0	2	<0.05	1.2
G285455		5.14	<0.01	0.03	0.07	14	170	<0.05	0.10	21.1	0.06	2.02	0.9	1	<0.05	1.5
G285456		5.10	<0.01	0.05	0.46	8	570	0.05	0.08	19.05	0.06	5.30	1.5	13	0.16	2.0
G285457		3.66	<0.01	0.06	1.14	<5	1450	0.72	0.10	18.70	0.06	7.77	0.6	59	0.53	1.1

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Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
G285422		0.21	0.52	<0.05	<0.1	0.005	0.02	<0.5	6.5	8.35	244	0.28	0.01	0.2	1.4	110
G285423		0.81	1.18	<0.05	0.4	0.012	0.16	4.5	4.7	9.86	290	9.03	0.02	2.8	14.2	2250
G285424		1.45	6.30	0.06	1.5	0.017	1.27	17.6	7.6	9.27	180	1.19	0.05	14.2	30.2	2210
G285425		5.76	11.10	0.09	0.1	0.046	1.82	21.2	39.1	1.94	622	0.13	0.55	19.4	211	1200
G285426		5.77	15.05	0.11	0.5	0.068	1.30	32.6	49.2	5.98	1740	0.08	1.01	16.0	264	1670
G285427		8.47	17.90	0.15	0.7	0.073	1.32	33.3	63.7	10.10	892	0.09	0.02	18.4	266	1730
G285428		11.95	16.85	0.28	1.8	0.692	2.50	18.7	32.4	0.35	2200	9.64	0.03	6.5	27.6	400
G285429		3.90	11.35	0.08	0.8	0.044	1.78	26.3	12.6	1.64	886	0.77	0.03	15.2	32.4	1550
G285430		5.05	15.25	0.10	0.7	0.055	2.60	30.1	22.1	3.41	1000	0.77	0.03	17.6	44.5	1580
G285431		4.35	18.25	0.13	1.6	0.065	3.81	30.9	34.3	3.22	529	1.02	0.03	13.4	77.2	2250
G285432		17.25	11.30	0.30	1.7	0.059	3.08	9.3	17.3	1.94	99	1.89	0.04	5.2	155.0	3500
G285433		4.78	8.18	0.16	1.8	0.025	2.10	14.1	15.5	5.57	219	2.90	0.02	3.9	74.5	>10000
G285434		0.28	0.59	0.07	0.1	<0.005	0.11	2.9	3.8	11.85	152	3.63	0.01	0.7	13.9	1910
G285435		1.28	2.72	0.07	0.2	0.082	0.26	3.8	3.4	11.20	1120	1.85	0.04	3.5	25.1	470
G285436		0.39	0.22	0.07	<0.1	<0.005	0.03	0.6	0.8	11.85	180	0.53	0.01	0.3	2.3	200
G285437		0.13	0.35	0.13	<0.1	0.010	0.02	2.2	2.1	12.20	307	0.21	0.02	0.5	4.0	150
G285438		0.79	0.44	0.06	<0.1	0.745	0.01	2.3	1.4	11.75	5340	0.59	0.06	0.3	3.7	50
G285439		0.14	0.28	0.12	<0.1	0.037	0.02	1.7	1.5	12.45	583	0.27	0.01	0.4	3.3	140
G285440		0.39	1.04	0.10	0.2	0.016	0.08	3.4	2.7	12.25	297	0.46	0.02	1.7	5.9	200
G285441		7.15	13.65	0.18	0.5	0.059	2.12	17.0	27.8	5.31	809	0.44	0.03	13.6	222	1030
G285442		6.08	12.15	0.16	0.9	0.055	0.97	21.9	25.3	2.64	1120	0.08	0.53	27.2	266	1160
G285443		8.33	20.3	0.27	0.9	0.098	2.30	62.8	44.2	4.67	972	1.97	0.20	59.3	108.5	3260
G285444		4.98	18.35	0.22	1.3	0.084	3.20	29.9	39.5	2.77	506	1.53	0.04	26.6	100.5	2360
G285445		2.40	6.25	0.26	0.4	0.024	0.50	32.3	6.5	8.68	303	212	0.02	4.3	900	>10000
G285446		7.54	14.15	0.23	1.1	0.372	1.62	12.1	19.6	0.79	1380	7.47	1.13	5.8	28.2	510
G285447		0.30	1.92	0.07	0.2	<0.005	0.13	6.5	5.5	12.15	196	45.2	0.02	0.9	57.1	3390
G285448		0.15	0.32	0.10	<0.1	0.007	0.03	1.5	3.8	12.80	179	0.45	0.01	0.4	3.1	590
G285449		0.14	0.31	0.12	<0.1	0.013	0.02	1.9	2.5	12.55	264	0.28	0.02	0.4	4.0	50
G285450		0.14	0.40	0.12	<0.1	0.013	0.03	1.9	2.5	12.40	262	0.99	0.02	0.5	4.6	100
G285451		0.42	0.28	0.11	<0.1	0.103	0.01	2.9	1.8	12.05	986	0.20	0.01	0.4	5.2	70
G285452		1.50	0.52	0.07	<0.1	0.623	0.01	4.2	0.8	10.75	2770	0.58	0.02	0.3	12.2	60
G285453		0.42	0.25	0.08	<0.1	<0.005	0.03	0.5	0.9	12.40	202	0.06	0.01	0.3	2.0	180
G285454		0.13	0.41	0.11	<0.1	0.013	0.02	1.8	2.2	12.65	212	0.16	0.02	0.6	3.8	80
G285455		0.11	0.38	0.13	<0.1	<0.005	0.02	2.0	2.8	12.70	164	0.12	0.02	0.4	3.3	140
G285456		0.79	1.04	0.08	0.2	0.020	0.07	3.2	2.6	11.25	875	0.23	0.16	0.6	4.3	70
G285457		0.99	5.19	0.08	0.5	0.040	0.55	3.3	8.7	11.10	1520	0.41	0.03	2.7	2.2	280

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	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
G285422		46.6	0.8	<0.002	0.13	18.05	0.1	1	0.2	37.8	<0.05	<0.05	<0.2	<0.005	0.74	22.2
G285423		59.4	5.5	0.011	0.96	9.71	1.0	2	0.4	65.7	0.15	<0.05	0.7	0.047	1.24	23.5
G285424		30.1	26.2	0.002	1.87	1.82	6.0	1	0.4	67.7	0.75	<0.05	2.8	0.259	0.91	17.5
G285425		2.2	46.4	<0.002	0.01	0.51	14.0	1	0.8	143.5	1.06	<0.05	2.2	0.606	0.10	0.3
G285426		3.9	31.7	<0.002	0.03	0.14	19.9	1	0.8	273	0.92	<0.05	3.0	0.561	0.06	0.4
G285427		2.1	32.3	<0.002	0.03	0.08	21.0	1	0.7	104.5	1.10	<0.05	3.2	0.661	0.06	0.4
G285428		>10000	261	0.017	>10.0	231	8.6	38	22.3	138.5	0.41	0.05	5.4	0.229	3.95	4.5
G285429		10.1	25.3	0.002	1.31	0.76	9.1	1	0.9	83.7	0.91	<0.05	3.2	0.479	0.21	0.9
G285430		3.4	44.1	<0.002	1.77	5.58	15.6	1	1.2	60.4	1.07	<0.05	3.3	0.659	2.52	2.9
G285431		10.5	72.2	0.002	4.89	5.71	19.0	2	1.2	36.8	0.82	<0.05	3.9	0.542	1.32	5.8
G285432		18.2	49.0	0.003	>10.0	7.32	13.6	3	1.0	18.2	0.29	<0.05	2.2	0.283	1.62	28.2
G285433		17.6	34.7	0.014	6.24	9.09	11.7	4	0.6	94.7	0.21	<0.05	2.0	0.181	1.49	150.5
G285434		3.9	2.6	0.024	0.32	1.25	1.0	2	<0.2	84.6	<0.05	<0.05	0.2	0.018	0.31	18.2
G285435		30.2	12.6	<0.002	0.25	3.56	1.2	2	4.2	115.0	0.19	<0.05	0.6	0.042	0.15	1.0
G285436		1.5	1.2	<0.002	0.01	<0.05	0.2	1	<0.2	46.1	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
G285437		17.5	1.1	<0.002	0.04	0.41	0.3	1	0.3	71.1	<0.05	<0.05	<0.2	0.006	0.02	0.1
G285438		23.3	0.5	<0.002	0.28	1.71	0.3	1	0.4	59.6	<0.05	<0.05	<0.2	<0.005	0.05	0.2
G285439		11.8	0.8	<0.002	0.03	0.90	0.2	2	0.5	44.3	<0.05	<0.05	<0.2	<0.005	0.02	0.1
G285440		3.0	4.7	<0.002	0.49	0.80	0.7	1	0.6	79.4	0.08	<0.05	0.3	0.026	0.14	0.4
G285441		5.3	37.9	<0.002	7.68	1.55	16.0	1	1.0	94.8	0.72	<0.05	2.0	0.388	0.37	0.4
G285442		3.1	27.1	<0.002	0.08	0.09	16.5	2	1.0	318	1.56	<0.05	2.3	0.782	0.14	0.6
G285443		2.3	51.6	<0.002	0.46	1.21	15.1	2	2.2	343	3.52	<0.05	5.8	1.355	2.22	0.9
G285444		8.8	42.7	0.003	5.67	7.69	18.0	3	1.7	84.5	1.57	<0.05	4.7	0.675	11.80	3.8
G285445		93.8	10.4	0.649	3.37	79.5	2.3	30	0.9	202	0.07	0.35	1.9	0.063	5.11	126.0
G285446		8690	118.0	0.012	6.44	118.5	11.5	21	13.1	211	0.38	<0.05	3.3	0.281	2.03	2.4
G285447		27.5	3.6	0.134	0.37	16.85	0.5	4	0.3	89.0	0.05	0.06	0.5	0.011	0.31	38.9
G285448		6.7	0.8	0.002	0.09	1.10	0.2	1	<0.2	62.5	<0.05	<0.05	<0.2	<0.005	0.07	9.0
G285449		21.3	0.7	<0.002	0.06	0.21	0.2	1	<0.2	93.3	<0.05	<0.05	<0.2	<0.005	0.02	0.2
G285450		3.6	1.1	0.003	0.06	0.49	0.2	1	0.2	89.0	<0.05	<0.05	<0.2	0.006	0.02	0.8
G285451		4.5	0.5	<0.002	0.05	0.44	0.1	1	0.2	364	<0.05	<0.05	<0.2	<0.005	0.02	0.1
G285452		7.8	0.7	0.003	0.14	2.02	0.3	2	1.2	294	<0.05	<0.05	<0.2	<0.005	0.03	0.4
G285453		1.3	1.5	<0.002	<0.01	<0.05	0.2	1	<0.2	42.8	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
G285454		2.0	0.9	<0.002	0.06	0.20	0.2	1	0.2	96.6	<0.05	<0.05	<0.2	0.007	0.02	0.2
G285455		2.3	0.8	<0.002	0.03	0.30	0.2	1	<0.2	60.3	<0.05	<0.05	<0.2	<0.005	<0.02	0.2
G285456		4.9	2.4	<0.002	0.03	0.30	1.2	1	0.2	135.0	<0.05	<0.05	0.2	0.023	0.03	0.3
G285457		6.6	16.9	<0.002	0.01	0.52	3.6	1	1.7	157.0	0.14	<0.05	0.2	0.075	0.10	0.6

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Project: RAU (OCELOT)

CERTIFICATE OF ANALYSIS VA10108984

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Ag- OG62 Ag ppm 1	Pb- OG62 Pb % 0.001	Zn- OG62 Zn % 0.001
G285422		4	0.3	0.6	92	2.1			
G285423		38	1.0	4.4	145	14.5			
G285424		82	0.7	9.4	88	61.6			
G285425		87	0.5	9.5	73	2.8			
G285426		192	0.7	13.8	107	19.4			
G285427		208	0.2	14.5	96	25.0			
G285428		78	5.3	10.6	>10000	68.2	678	1.860	2.69
G285429		102	0.5	13.4	77	31.5			
G285430		173	3.1	13.5	113	26.7			
G285431		182	1.1	13.9	146	60.0			
G285432		153	0.5	12.8	96	62.3			
G285433		139	0.7	30.2	85	66.1			
G285434		27	0.2	4.4	59	4.2			
G285435		25	0.9	5.0	59	9.4			
G285436		3	0.1	0.9	18	0.6			
G285437		5	0.2	3.1	34	1.3			
G285438		6	0.2	5.8	59	0.6			
G285439		6	0.2	3.2	25	1.1			
G285440		6	0.3	3.7	15	8.4			
G285441		106	0.4	10.8	85	21.5			
G285442		157	0.3	12.5	50	34.1			
G285443		201	3.2	19.7	135	39.5			
G285444		178	2.6	14.0	130	53.8			
G285445		270	1.0	55.3	3300	29.6			
G285446		94	3.4	12.9	>10000	36.3	357		1.310
G285447		82	0.3	12.2	446	6.6			
G285448		16	0.3	2.4	175	1.5			
G285449		12	0.2	1.8	19	1.1			
G285450		12	0.4	1.9	26	1.2			
G285451		48	1.0	2.6	31	0.8			
G285452		83	0.8	5.2	81	0.8			
G285453		3	0.2	0.8	18	<0.5			
G285454		18	0.6	1.9	14	1.8			
G285455		13	0.2	3.0	13	1.1			
G285456		11	0.2	5.8	18	6.8			
G285457		39	3.2	9.5	20	22.5			

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 19- AUG- 2010
Account: RCM

Project: RAU (OCELOT)

CERTIFICATE OF ANALYSIS VA10108984

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 15- AUG- 2010
Account: RCM

CERTIFICATE VA10108985

Project: RAU

P.O. No.: BATCH 65

This report is for 26 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 9- AUG- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- 31	Fine crushing - 70% < 2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
Ag- OG62	Ore Grade Ag - Four Acid	VARIABLE
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Zn- OG62	Ore Grade Zn - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 15- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10108985

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
I076805		4.00	<0.01	0.09	8.07	1070	1470	2.27	39.3	0.31	0.04	92.5	8.4	68	16.25	28.8
I076806		5.04	<0.01	0.09	6.34	2360	1430	1.29	256	10.15	0.38	84.0	25.2	41	8.97	37.3
I076807		1.08	0.01	0.36	5.10	1835	620	1.03	319	3.01	0.19	69.2	21.0	39	21.1	8.4
I076808		0.74	0.01	0.63	4.55	758	340	1.73	78.8	0.19	<0.02	242	1.2	43	2.63	2.1
I076809		0.48	0.07	2.34	3.95	832	40	0.86	8.50	0.12	<0.02	98.5	16.2	26	0.21	3.9
I076810		0.64	0.05	5.85	3.31	1120	10	0.59	3.95	0.08	0.04	61.7	28.1	20	0.10	6.2
I076811		3.22	0.42	14.20	0.14	3460	40	<0.05	12.05	0.03	2.27	2.41	5.2	<1	0.18	13.0
I076812		4.82	<0.01	0.05	0.08	8	10	<0.05	0.16	20.2	0.06	1.36	1.3	<1	0.20	1.5
I076813		3.74	<0.01	0.10	0.23	7	220	0.23	0.28	20.5	0.32	2.79	1.2	2	0.12	3.9
I076814		1.56	0.01	0.26	0.11	25	160	0.23	0.51	20.6	1.35	4.36	1.5	1	0.23	6.5
I076815		4.16	<0.01	0.02	0.07	<5	10	0.06	0.02	21.0	0.06	1.24	1.2	<1	0.14	2.6
I076816		2.90	<0.01	0.37	0.09	9	110	0.15	0.76	20.8	0.57	2.92	1.1	1	0.09	2.3
I076817		3.10	0.02	0.69	0.58	29	600	0.61	1.87	20.4	1.43	9.12	3.1	7	0.42	8.0
I076818		1.78	0.03	1.01	1.49	47	1610	1.21	4.27	19.50	1.58	20.8	7.7	15	1.05	16.9
I076819		4.38	0.01	0.54	0.43	14	630	0.53	0.67	21.6	1.81	6.98	2.8	11	0.27	7.9
I076820		3.62	0.01	0.42	0.14	10	500	0.20	1.32	21.1	0.79	3.60	1.5	3	0.13	3.7
I076821		3.56	0.01	0.48	0.09	18	90	0.19	0.72	20.1	0.57	3.00	1.9	1	0.07	2.5
I076822		0.54	0.02	0.52	0.09	16	100	0.71	5.98	21.2	1.32	2.43	1.3	<1	0.10	7.7
I076823		1.18	0.01	0.59	0.07	126	600	0.15	15.85	19.50	1.25	1.71	1.5	2	0.09	4.8
I076824		2.16	<0.01	0.22	0.05	<5	440	0.17	0.37	21.7	0.67	2.05	1.4	<1	0.07	2.1
I076825		3.86	0.01	0.14	0.13	6	210	0.22	1.11	20.6	0.20	3.18	1.5	1	0.08	3.4
I076826		5.26	<0.01	0.09	0.14	<5	120	0.17	0.53	20.8	0.11	2.04	1.2	2	0.11	1.5
I076827		1.50	0.01	0.35	0.08	31	80	0.38	0.54	22.5	0.63	2.57	1.8	1	0.09	2.2
I076828		0.76	0.01	0.41	0.08	44	90	0.47	0.58	23.0	0.76	2.88	2.0	1	0.08	2.9
I076829		3.48	<0.01	0.16	0.04	<5	30	0.12	0.22	21.0	0.25	1.23	1.0	1	0.05	1.2
I076830		0.16	0.23	>100	5.61	4380	330	0.84	0.14	2.28	137.5	28.2	11.9	44	4.17	488

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 15- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10108985

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I076805		10.50	31.4	0.27	0.3	0.122	4.74	52.3	32.0	1.04	169	0.35	0.11	12.6	37.3	1440
I076806		9.17	21.7	0.32	1.9	0.090	2.71	42.6	22.1	1.39	777	0.65	0.07	28.1	73.4	4160
I076807		12.40	33.6	0.34	3.1	0.078	4.34	36.1	33.3	3.53	347	0.59	0.08	10.1	50.5	2880
I076808		5.17	33.1	0.28	2.8	0.030	1.24	152.5	11.4	1.42	24	0.25	0.36	22.2	6.7	860
I076809		11.70	26.3	0.36	1.4	<0.005	0.07	64.4	3.2	1.41	19	0.17	0.38	10.7	27.4	100
I076810		20.8	20.9	0.46	0.9	<0.005	0.01	39.5	2.4	1.23	13	0.17	0.34	9.2	56.1	30
I076811		43.7	1.18	0.77	<0.1	<0.005	0.01	1.6	0.4	0.05	<5	0.79	0.02	1.4	16.8	<10
I076812		0.45	0.34	0.09	<0.1	<0.005	0.02	0.7	1.2	12.30	185	0.11	0.01	0.5	0.8	250
I076813		0.31	0.87	0.18	0.1	<0.005	0.09	1.7	5.1	12.15	286	1.87	0.02	1.2	6.8	40
I076814		1.68	0.58	0.06	<0.1	0.128	0.04	2.5	2.9	9.72	1280	6.48	0.01	0.4	12.9	50
I076815		0.43	0.30	0.17	<0.1	<0.005	0.03	0.6	1.4	12.70	198	0.09	0.01	0.4	1.9	180
I076816		0.35	0.47	0.21	0.1	0.042	0.03	1.8	3.7	12.45	502	1.70	0.01	0.6	6.8	70
I076817		0.87	1.84	0.11	0.4	0.023	0.24	5.2	4.1	11.20	818	6.43	0.02	3.2	29.7	1100
I076818		1.60	4.00	0.19	1.1	0.015	0.62	11.6	6.0	10.70	1010	20.0	0.03	7.6	70.1	2580
I076819		0.92	1.36	0.10	0.3	0.008	0.18	3.9	4.5	11.20	885	7.09	0.02	2.5	24.3	990
I076820		0.43	0.58	0.17	0.1	0.023	0.06	2.1	3.4	12.05	570	4.39	0.01	0.9	9.9	120
I076821		0.43	0.46	0.24	0.1	0.008	0.03	1.8	4.1	11.80	383	4.36	0.01	0.6	9.1	60
I076822		1.35	0.34	0.07	<0.1	<0.005	0.03	1.4	3.2	10.95	518	2.54	0.01	0.4	19.9	60
I076823		2.48	0.33	0.08	<0.1	0.009	0.01	1.1	2.7	11.20	367	1.87	0.01	0.4	8.5	50
I076824		0.29	0.28	0.18	<0.1	0.020	0.02	1.2	2.9	11.40	577	1.49	0.01	0.3	6.0	50
I076825		0.28	0.57	0.27	0.1	0.009	0.05	1.8	2.9	12.10	285	2.14	0.01	0.7	7.9	60
I076826		0.25	0.60	0.29	0.1	0.016	0.05	1.2	3.8	12.45	346	1.79	0.01	0.7	5.7	50
I076827		0.88	0.41	0.10	0.1	0.018	0.03	1.4	2.3	10.80	519	2.25	0.01	0.5	18.2	60
I076828		1.35	0.33	0.07	<0.1	0.027	0.02	1.5	2.0	9.91	609	3.35	0.01	0.4	26.8	60
I076829		0.13	0.27	0.25	<0.1	<0.005	0.01	0.8	2.9	12.20	321	0.82	0.01	0.3	3.7	30
I076830		7.60	13.80	0.21	1.4	0.361	1.61	14.1	22.7	0.84	1400	6.87	1.15	5.1	23.9	480

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 15- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10108985

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I076805		4.6	169.5	<0.002	1.43	0.85	20.1	3	2.9	196.0	0.70	0.07	4.9	0.606	0.90	1.0
I076806		11.3	111.0	0.002	0.33	1.89	15.4	5	5.1	173.0	1.45	0.49	4.2	0.822	0.58	4.7
I076807		19.7	640	0.002	3.43	3.04	12.9	7	8.3	640	0.51	1.94	3.8	0.445	2.90	2.8
I076808		56.2	157.5	<0.002	1.84	1.56	14.8	5	34.3	275	1.07	1.09	6.6	0.649	0.82	2.6
I076809		18.2	9.8	<0.002	>10.0	0.80	8.3	19	11.5	44.3	0.54	0.33	3.0	0.313	0.05	1.3
I076810		396	0.5	<0.002	>10.0	0.64	5.1	12	5.7	25.4	0.47	0.35	2.0	0.272	0.03	1.1
I076811		306	0.6	<0.002	>10.0	0.97	0.2	16	0.7	2.4	<0.05	0.55	<0.2	0.010	0.03	0.1
I076812		2.6	1.5	<0.002	0.07	<0.05	0.5	2	<0.2	52.0	<0.05	<0.05	<0.2	0.005	<0.02	0.6
I076813		11.6	4.4	<0.002	0.03	0.86	0.8	3	0.2	76.0	0.06	<0.05	0.3	0.020	0.16	1.5
I076814		40.1	2.7	<0.002	0.01	0.67	0.6	5	1.0	97.4	<0.05	<0.05	0.2	0.005	0.11	1.8
I076815		1.5	1.3	<0.002	0.01	<0.05	0.3	2	<0.2	46.2	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
I076816		24.4	2.1	<0.002	0.01	0.54	0.4	3	0.4	81.9	<0.05	<0.05	0.2	0.007	0.04	2.6
I076817		45.7	11.2	0.006	0.01	3.48	1.9	7	0.7	106.0	0.17	<0.05	1.0	0.058	0.37	13.1
I076818		142.0	25.6	0.015	0.01	9.34	4.2	28	0.9	113.5	0.42	<0.05	2.5	0.149	0.76	25.3
I076819		53.8	8.3	0.002	0.02	3.88	1.7	7	0.4	90.9	0.12	<0.05	0.8	0.045	0.48	11.8
I076820		40.4	3.2	0.002	0.03	1.05	0.6	3	0.3	72.9	<0.05	<0.05	0.3	0.015	0.09	2.7
I076821		26.5	2.1	0.002	0.03	1.09	0.5	3	<0.2	67.1	<0.05	<0.05	0.2	0.008	0.11	1.7
I076822		49.8	1.7	<0.002	0.01	9.13	0.3	5	0.2	60.9	<0.05	<0.05	<0.2	<0.005	0.04	4.5
I076823		28.4	0.9	<0.002	0.03	1.09	0.2	3	0.3	52.7	<0.05	<0.05	<0.2	<0.005	0.05	3.8
I076824		21.8	1.0	<0.002	0.02	1.22	0.3	2	0.2	55.7	<0.05	<0.05	<0.2	<0.005	0.08	2.7
I076825		9.6	2.3	0.002	0.01	0.70	0.4	4	0.2	72.9	<0.05	<0.05	0.3	0.009	0.04	1.7
I076826		10.6	2.9	<0.002	0.01	0.42	0.4	2	0.3	66.8	<0.05	<0.05	0.2	0.009	0.05	1.9
I076827		30.1	1.6	<0.002	0.01	2.61	0.3	5	0.2	62.4	<0.05	<0.05	0.2	0.005	0.09	1.7
I076828		44.0	1.3	<0.002	<0.01	3.87	0.4	6	0.2	56.3	<0.05	<0.05	0.2	0.005	0.12	1.7
I076829		10.7	1.0	<0.002	0.01	0.43	0.2	2	<0.2	56.8	<0.05	<0.05	<0.2	<0.005	0.05	1.9
I076830		8830	117.0	0.011	6.07	120.0	10.7	22	11.5	207	0.36	<0.05	3.5	0.283	2.17	2.5

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Finalized Date: 15- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10108985

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Ag- OG62 Ag ppm 1	Zn- OG62 Zn % 0.001
I076805		190	1.7	8.1	50	13.8		
I076806		171	20.5	25.2	180	79.9		
I076807		148	51.1	11.4	246	110.0		
I076808		139	41.9	5.0	10	115.0		
I076809		97	18.8	2.0	8	62.6		
I076810		88	14.5	1.6	6	40.6		
I076811		3	11.5	0.3	549	2.3		
I076812		2	0.2	1.1	15	0.6		
I076813		26	2.8	1.6	85	4.9		
I076814		32	2.9	2.3	445	2.4		
I076815		2	0.1	0.9	16	<0.5		
I076816		15	1.3	1.8	194	2.4		
I076817		102	7.4	5.0	515	16.7		
I076818		246	18.2	11.1	666	41.0		
I076819		95	4.6	4.9	512	12.4		
I076820		27	2.7	1.6	205	4.0		
I076821		12	1.7	1.3	172	2.4		
I076822		33	21.1	1.2	533	1.3		
I076823		22	33.3	1.0	346	1.3		
I076824		19	1.8	1.0	196	1.1		
I076825		24	1.5	1.3	140	3.5		
I076826		12	1.7	0.8	89	2.8		
I076827		13	4.5	1.2	411	2.1		
I076828		14	6.6	1.5	597	2.4		
I076829		5	0.8	0.5	89	0.8		
I076830		94	3.2	13.1	>10000	40.3	335	1.220

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 15- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10108985

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 20- AUG- 2010
Account: RCM

CERTIFICATE VA10108986

Project: RAU

P.O. No.: BATCH 64

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 9- AUG- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% < 2mm
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
As- OG62	Ore Grade As - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 20- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10108986

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
I076769		4.56	0.03	0.26	0.40	31	620	0.33	0.27	20.3	0.99	4.67	1.5	6	0.15	4.9
I076770		11.78	0.01	0.14	5.55	30	650	1.42	179.5	11.30	0.05	74.9	27.1	35	36.1	40.8
I076771		3.22	0.02	0.08	6.90	26.8	1000	2.00	576	8.97	<0.02	98.7	21.3	43	34.4	15.0
I076772		7.10	<0.01	0.01	0.07	<5	420	<0.05	0.85	20.1	0.06	1.17	1.0	<1	0.13	2.5
I076773		3.30	<0.01	0.03	0.09	13	50	0.11	0.99	19.10	0.04	2.53	0.9	1	0.08	2.1
I076774		5.10	0.01	0.06	0.10	11	90	0.22	0.95	18.00	0.27	4.58	0.9	<1	0.07	2.0
I076775		5.06	<0.01	0.09	0.05	11	40	0.15	0.44	18.20	0.22	2.21	0.8	1	0.05	1.1
I076776		3.26	0.03	0.52	0.43	94	320	0.35	3.66	18.00	0.23	4.52	5.2	4	0.23	5.1
I076777		5.68	<0.01	0.15	6.70	0.9	120	1.04	0.15	6.20	0.10	74.5	46.2	194	5.54	52.6
I076778		7.80	<0.01	0.07	8.85	3.8	1660	4.38	0.69	1.36	0.04	181.0	17.0	122	8.97	42.7
I076779		8.00	<0.01	0.11	3.54	32	250	0.94	1.32	24.0	0.06	45.4	12.9	51	3.23	38.2
I076780		8.26	<0.01	0.07	1.39	9	110	0.40	0.47	28.7	0.03	27.4	7.0	42	1.14	12.3
I076781		7.42	<0.01	0.05	1.35	9	120	0.31	0.54	29.0	0.03	21.8	7.0	31	1.62	7.5
I076782		5.16	<0.01	0.04	1.06	37	330	0.61	0.08	31.5	0.36	20.4	6.2	12	1.61	6.4
I076783		2.48	<0.01	0.16	7.84	125.0	2590	2.58	0.75	1.77	0.16	122.0	22.1	172	16.35	75.0
I076784		4.66	<0.01	0.18	7.30	163.5	2410	1.57	0.77	0.43	0.10	117.0	26.8	315	12.35	57.4
I076785		2.92	0.13	0.74	3.93	517	620	1.05	8.60	4.49	0.26	56.0	32.8	64	3.41	75.4
I076786		1.48	0.12	0.67	5.69	721	1070	1.38	8.39	4.44	0.34	87.9	34.1	129	4.87	92.7
I076787		4.64	0.15	1.52	3.68	8980	1190	1.28	731	3.34	0.46	76.6	24.9	64	5.15	89.9
I076788		2.62	0.59	6.09	0.56	>10000	2120	0.34	620	0.57	3.37	24.3	11.2	13	1.07	137.5
I076789		5.92	15.75	11.40	0.53	>10000	1510	0.13	1680	0.78	4.87	33.9	6.5	8	0.51	126.5
I076790		4.82	0.02	0.05	0.09	92	40	0.08	2.73	21.2	0.06	1.90	1.4	1	0.16	2.8
I076791		5.28	4.86	3.65	0.75	>10000	460	0.55	1420	4.51	3.60	22.3	5.8	6	0.98	193.5
I076792		1.42	1.48	2.47	1.37	>10000	530	0.47	255	5.10	8.02	28.1	7.0	13	2.68	63.3
I076793		4.04	2.49	1.60	2.29	>10000	600	0.68	2440	11.80	2.72	42.7	7.6	38	2.72	30.5
I076794		0.26	1.40	0.63	4.98	90.9	410	1.35	3.82	1.01	0.13	15.50	23.4	150	26.7	446
I076795		1.72	0.30	0.13	1.52	6880	310	0.34	22.9	14.60	0.41	16.65	6.8	22	2.14	7.4
I076796		5.24	0.41	0.11	1.17	6630	380	0.35	43.6	11.75	0.22	17.35	8.1	14	1.43	6.8
I076797		0.26	0.38	6.97	4.93	15.5	110	0.99	1.33	1.25	0.02	20.4	8.1	29	19.80	12.4
I076798		5.66	0.23	0.12	1.89	948	330	0.60	16.50	26.0	0.11	24.6	10.5	22	2.10	7.7
I076799		4.58	0.16	0.39	5.40	345	1240	1.44	5.20	10.50	0.05	93.2	12.8	42	37.7	7.8
I076800		2.24	0.09	0.22	6.27	2690	1330	1.74	5.28	3.64	0.05	65.5	16.4	51	10.50	13.4
I076801		2.48	0.23	0.18	1.23	1140	180	0.40	62.6	19.50	0.12	33.3	8.0	10	4.20	9.1
I076802		2.34	0.02	0.05	0.72	950	140	0.21	5.10	29.7	0.28	13.55	3.8	8	3.53	3.5
I076803		0.54	0.06	0.99	1.75	641	180	0.38	60.7	8.26	0.03	99.0	0.8	16	3.83	2.8
I076804		2.16	0.01	0.19	6.76	2420	1860	1.76	103.0	0.33	0.04	132.0	13.6	62	36.2	38.0

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 20- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10108986

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I076769		0.46	1.34	0.07	0.2	0.013	0.15	2.5	3.9	11.35	327	1.80	0.02	1.1	9.4	370
I076770		4.49	25.7	0.25	1.9	0.040	3.72	37.4	45.6	5.49	2010	0.50	0.10	26.1	53.6	2550
I076771		3.07	28.0	0.31	1.1	0.064	4.24	51.4	55.6	4.05	2670	0.23	0.10	30.1	70.5	1300
I076772		0.45	0.25	0.12	<0.1	<0.005	0.02	0.6	1.0	12.20	216	0.07	0.01	0.3	1.1	170
I076773		0.35	0.49	0.21	0.1	0.006	0.03	1.4	4.0	11.60	261	1.14	0.01	0.4	2.4	30
I076774		0.35	0.52	0.23	0.1	0.006	0.03	2.8	3.3	10.60	378	3.57	0.01	0.3	3.1	50
I076775		0.36	0.37	0.19	<0.1	0.020	0.01	1.3	3.4	10.70	455	1.03	0.01	0.3	2.5	210
I076776		1.71	1.77	0.07	0.3	0.024	0.19	2.4	4.7	10.85	513	59.9	0.02	1.8	49.7	410
I076777		5.84	18.20	0.19	2.6	0.065	0.74	42.1	56.4	5.77	2070	0.73	1.53	45.9	176.0	1710
I076778		7.30	27.9	0.24	2.2	0.101	5.28	100.5	43.0	1.19	413	0.75	0.45	45.1	39.8	1300
I076779		2.86	9.65	0.08	0.7	0.019	1.31	26.6	16.4	1.58	768	0.37	0.07	17.8	32.3	800
I076780		1.60	3.99	0.08	0.8	0.007	0.64	17.2	6.7	1.78	448	0.17	0.03	9.0	16.1	460
I076781		1.62	3.63	0.07	0.7	0.010	0.71	15.1	8.3	1.93	285	0.22	0.01	7.7	17.7	300
I076782		0.92	6.43	0.06	0.5	<0.005	0.56	14.3	5.6	0.35	1200	0.34	0.01	7.6	9.3	410
I076783		7.80	24.6	0.24	2.2	0.072	4.24	85.3	53.7	1.82	349	2.50	0.10	30.0	101.5	2120
I076784		9.24	22.1	0.32	2.2	0.069	3.98	63.8	47.7	2.19	279	1.88	0.10	12.4	162.0	2170
I076785		6.63	9.05	0.26	1.6	0.045	1.19	29.9	24.7	4.09	739	1.73	0.03	9.0	143.0	2090
I076786		11.00	13.10	0.33	1.9	0.056	2.14	43.4	32.4	4.56	780	2.25	0.05	10.3	174.0	3160
I076787		27.7	14.05	0.49	3.2	0.048	1.06	43.8	30.9	3.14	636	19.60	0.04	11.2	117.5	2820
I076788		>50	4.16	1.14	0.3	0.185	0.09	13.8	1.6	0.19	939	13.20	0.03	0.8	43.7	1110
I076789		48.0	5.24	1.10	0.8	0.296	0.51	22.5	3.0	0.13	816	13.05	0.03	0.9	25.0	1070
I076790		0.68	0.41	0.10	<0.1	<0.005	0.04	1.0	1.2	13.00	186	0.17	0.01	0.4	<0.2	350
I076791		35.7	6.27	0.70	0.9	0.423	0.36	11.9	4.5	2.03	1720	4.53	0.02	1.1	13.9	550
I076792		34.1	9.64	0.94	0.8	0.560	0.44	13.6	2.5	0.52	4520	1.88	0.02	2.3	19.5	750
I076793		13.90	12.70	0.33	1.7	0.370	1.14	28.1	7.0	2.92	4290	1.03	0.03	7.5	19.7	710
I076794		1.99	15.00	0.10	1.6	0.032	3.49	9.5	8.3	0.38	290	4.82	1.17	2.5	466	440
I076795		10.90	7.58	0.24	1.0	0.573	0.72	6.9	5.0	5.36	5120	0.29	0.02	5.4	13.8	610
I076796		14.70	6.34	0.32	1.0	0.562	0.53	7.1	3.8	5.35	5160	0.20	0.02	4.9	14.6	640
I076797		1.97	15.50	0.11	1.6	0.011	3.28	12.1	8.9	0.60	281	9.45	1.20	2.1	7.5	420
I076798		3.79	8.09	0.11	1.1	0.079	0.89	17.6	3.5	0.63	873	0.20	0.02	11.1	17.5	1000
I076799		11.10	16.65	0.23	0.2	0.090	3.01	44.6	29.0	1.59	703	0.36	0.05	43.7	51.9	1390
I076800		12.55	25.8	0.34	0.6	0.082	2.98	41.5	22.5	1.99	1000	0.68	0.08	18.6	85.4	2010
I076801		7.58	6.44	0.18	0.9	0.180	0.52	18.5	4.6	5.10	3720	0.69	0.02	5.9	17.3	1130
I076802		3.38	2.81	0.07	0.1	0.044	0.29	9.5	6.1	0.61	587	0.28	0.01	3.7	8.7	460
I076803		10.80	11.90	0.30	0.5	0.026	3.26	54.8	7.2	0.28	180	0.38	0.07	11.7	1.1	1110
I076804		14.05	30.4	0.46	0.6	0.079	4.57	69.0	36.6	3.17	419	0.25	0.11	11.5	44.2	1990

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VANCOUVER BC V6B 1L8

Finalized Date: 20- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10108986

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I076769		12.9	6.3	<0.002	0.01	0.54	1.2	2	0.4	76.9	0.06	<0.05	0.6	0.021	0.14	5.1
I076770		3.9	264	0.010	2.05	2.61	12.1	2	13.0	66.1	1.50	0.20	3.5	0.745	2.43	2.3
I076771		3.6	244	<0.002	0.60	2.33	16.0	3	15.2	56.5	1.87	0.31	4.8	0.899	2.15	1.4
I076772		1.1	1.2	<0.002	0.02	<0.05	0.3	2	<0.2	50.1	<0.05	<0.05	<0.2	0.005	<0.02	0.5
I076773		2.9	1.4	<0.002	0.01	0.22	0.4	2	<0.2	71.2	<0.05	<0.05	<0.2	0.005	0.04	1.9
I076774		5.8	1.8	<0.002	<0.01	0.33	0.2	2	0.2	62.7	<0.05	<0.05	<0.2	0.005	0.05	2.7
I076775		7.6	0.9	<0.002	0.01	0.25	0.2	2	0.6	67.1	<0.05	<0.05	<0.2	<0.005	0.02	3.0
I076776		13.6	9.8	0.006	0.01	0.95	1.1	2	1.1	72.6	0.10	<0.05	0.6	0.033	0.36	5.9
I076777		3.6	30.9	0.002	0.05	0.18	17.9	2	1.6	215	2.62	<0.05	7.7	0.884	0.14	1.8
I076778		4.1	106.0	0.002	0.29	0.20	14.2	2	3.2	62.7	2.52	0.08	19.6	0.824	0.31	2.3
I076779		6.3	64.7	0.002	1.10	1.14	8.8	2	1.4	560	1.17	<0.05	3.6	0.443	0.26	0.7
I076780		2.0	29.1	0.002	0.55	0.08	4.6	3	0.5	846	0.58	<0.05	1.9	0.231	0.09	0.8
I076781		2.0	31.4	<0.002	0.58	0.09	4.3	3	0.4	858	0.49	<0.05	1.6	0.199	0.11	0.7
I076782		5.1	23.1	0.002	0.01	0.06	2.3	3	0.4	367	0.48	<0.05	1.6	0.111	0.11	0.4
I076783		3.0	146.0	0.003	0.57	0.52	15.5	2	3.6	367	1.94	<0.05	14.1	0.471	1.01	2.1
I076784		2.3	131.0	0.003	1.40	0.82	22.9	3	2.2	510	0.78	<0.05	9.6	0.405	1.23	2.5
I076785		3.2	48.8	<0.002	0.32	14.25	7.4	4	1.0	145.0	0.57	<0.05	3.7	0.191	0.61	2.7
I076786		3.7	72.7	0.002	0.93	16.80	11.1	4	1.3	337	0.66	<0.05	5.7	0.236	0.95	3.3
I076787		31.5	54.6	0.003	0.76	16.65	8.8	5	3.6	266	0.55	1.27	5.8	0.177	0.64	5.7
I076788		660	12.3	0.008	0.12	34.2	2.3	9	1.7	51.7	<0.05	1.11	0.8	0.023	0.40	5.4
I076789		1220	25.7	0.004	0.91	84.0	2.7	20	2.3	594	<0.05	1.97	0.8	0.031	2.77	7.3
I076790		4.3	1.7	<0.002	0.01	0.18	0.5	2	<0.2	49.3	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
I076791		571	24.3	0.010	0.50	55.2	4.0	41	2.4	229	<0.05	2.70	0.6	0.036	1.39	6.7
I076792		459	32.6	0.004	0.21	47.9	5.6	15	2.6	109.0	0.13	0.62	2.0	0.054	0.90	7.7
I076793		212	81.8	0.005	0.39	95.0	5.4	13	5.6	303	0.44	1.84	2.4	0.159	1.92	4.1
I076794		171.5	920	<0.002	0.30	2.32	3.6	1	3.4	50.9	2.13	0.17	2.4	0.082	8.71	0.8
I076795		4.4	34.5	<0.002	0.12	2.23	3.8	5	1.6	110.0	0.37	0.07	1.8	0.115	0.38	2.1
I076796		4.5	22.7	<0.002	0.15	2.80	3.5	3	1.7	106.0	0.33	0.07	1.7	0.119	0.24	2.1
I076797		12.6	720	<0.002	0.01	0.64	7.5	1	1.2	54.4	0.21	<0.05	1.3	0.232	6.49	0.7
I076798		3.5	36.0	0.006	0.06	0.91	4.2	3	1.6	153.5	0.74	<0.05	2.2	0.255	0.26	1.4
I076799		2.5	163.0	0.002	0.12	0.65	10.0	3	7.1	102.5	2.61	0.07	3.1	1.315	2.03	0.3
I076800		2.7	173.0	0.002	0.56	0.98	12.5	3	10.2	80.9	1.11	0.23	4.4	0.485	1.83	1.4
I076801		5.8	44.3	0.002	0.12	1.22	2.9	3	1.8	99.3	0.38	0.12	1.3	0.144	0.42	1.4
I076802		2.9	16.6	0.003	0.03	0.85	1.6	3	0.6	128.0	0.22	<0.05	0.6	0.096	0.14	0.6
I076803		5.3	249	0.002	3.89	0.77	3.7	5	4.4	290	0.76	0.22	4.9	0.388	1.32	0.9
I076804		4.6	411	0.003	1.61	0.82	17.0	4	6.7	341	0.72	0.41	6.5	0.531	3.17	2.0

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 20- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10108986

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	As- OG62 As % 0.001
I076769		49	1.3	2.5	159	6.9	
I076770		133	760	17.0	44	73.8	
I076771		180	25.7	12.9	25	48.3	
I076772		2	0.9	0.8	14	0.6	
I076773		14	1.3	1.1	18	1.9	
I076774		16	3.8	1.2	36	2.0	
I076775		14	0.9	1.3	41	1.4	
I076776		67	20.0	2.6	47	10.5	
I076777		161	1.1	21.0	155	105.5	
I076778		143	1.5	19.4	99	94.4	
I076779		73	1.7	15.2	23	24.9	
I076780		35	0.7	13.3	7	27.4	
I076781		27	0.4	11.0	9	25.8	
I076782		18	0.7	13.7	25	18.9	
I076783		131	2.3	22.4	76	77.2	
I076784		188	0.9	18.8	72	78.4	
I076785		62	2.6	38.1	80	53.7	
I076786		99	2.7	41.1	107	67.2	
I076787		75	29.6	37.8	278	106.0	
I076788		46	65.9	14.2	2190	14.0	1.580
I076789		49	250	13.5	1990	29.3	2.42
I076790		3	0.5	1.2	23	0.6	
I076791		46	356	15.5	653	32.0	1.815
I076792		35	183.5	29.2	1500	27.5	2.02
I076793		67	150.0	15.5	521	52.0	1.190
I076794		20	8.8	4.0	135	53.5	
I076795		55	3.6	16.7	152	35.6	
I076796		45	83.4	16.3	84	30.8	
I076797		51	0.5	11.6	25	48.8	
I076798		60	6.5	12.1	31	40.8	
I076799		107	3.2	13.8	50	9.3	
I076800		114	9.9	13.6	36	17.9	
I076801		40	10.2	19.5	52	30.4	
I076802		18	4.4	8.3	189	5.7	
I076803		28	5.3	3.2	7	20.4	
I076804		142	5.7	13.7	68	22.8	

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 20- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10108986

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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Finalized Date: 19- AUG- 2010
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CERTIFICATE VA10108987

Project: RAU

P.O. No.: BATCH 63

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 9- AUG- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- 31	Fine crushing - 70% < 2mm
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
As- OG62	Ore Grade As - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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North Vancouver BC V7H 0A7
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Finalized Date: 19- AUG- 2010
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Project: RAU

CERTIFICATE OF ANALYSIS VA10108987

Sample Description	Method / Analyte / Units / LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
I076733		5.70	<0.01	0.07	2.03	11	220	0.43	0.04	28.8	0.08	26.6	7.9	59	2.08	6.7
I076734		4.84	<0.01	0.12	3.64	<5	620	0.75	0.05	24.0	0.12	41.7	10.5	60	6.28	10.1
I076735		3.26	0.06	0.26	10.50	239	3560	1.86	3.82	0.42	0.14	38.3	32.0	460	6.37	41.7
I076736		3.94	0.03	0.27	5.61	174.0	1560	1.02	6.74	9.28	0.11	57.9	36.2	174	7.06	37.1
I076737		1.46	1.15	1.07	3.87	>10000	990	1.04	114.5	1.33	0.05	27.8	76.8	228	7.04	23.6
I076738		1.36	0.69	3.71	4.74	>10000	1040	1.31	201	0.58	1.49	25.4	31.4	213	13.20	30.6
I076739		3.26	0.45	2.35	4.87	>10000	1010	0.77	111.0	0.61	0.51	12.05	25.1	208	4.31	27.8
I076740		3.94	0.41	0.60	6.18	>10000	2310	1.08	90.0	0.95	0.45	22.6	38.1	269	4.47	42.2
I076741		4.00	0.30	0.24	2.83	8500	1950	0.78	19.10	8.43	0.12	14.40	16.8	79	6.34	12.4
I076742		0.28	0.38	6.92	5.40	10.1	80	1.08	1.23	1.39	0.03	19.45	9.1	33	18.65	14.6
I076743		7.46	0.19	0.22	1.58	2330	1210	0.46	13.80	16.05	0.07	16.25	6.4	26	2.00	7.3
I076744		11.96	0.05	0.08	0.15	486	40	0.05	9.43	19.05	0.05	6.28	1.0	3	0.98	5.0
I076745		12.40	0.50	0.33	0.14	517	30	<0.05	39.2	13.40	0.04	5.89	1.0	5	0.96	16.3
I076746		12.70	0.26	1.48	0.27	2180	40	0.05	93.0	15.75	5.60	8.00	1.4	4	1.31	4.1
I076747		7.08	<0.01	0.01	0.05	<5	20	<0.05	0.14	21.0	0.07	0.96	1.4	3	0.10	1.6
I076748		8.18	0.25	0.13	0.10	770	20	<0.05	299	14.95	0.21	24.1	1.0	3	0.22	2.4
I076749		12.68	0.14	2.31	0.08	1940	30	<0.05	1190	2.10	2.90	170.0	0.7	2	0.06	9.2
I076750		10.70	0.18	1.08	0.02	2390	20	<0.05	1910	0.59	1.80	67.5	0.7	5	0.06	13.3
I076751		8.58	0.02	0.08	0.14	482	80	0.06	13.75	17.25	0.13	8.14	0.8	3	1.22	4.9
I076752		11.52	0.07	0.10	0.08	9570	40	0.08	17.35	19.50	0.06	6.47	0.9	2	0.77	5.4
I076753		5.20	0.06	0.11	0.08	8790	50	<0.05	10.35	19.20	0.06	6.13	1.0	4	0.82	5.5
I076754		11.34	0.09	0.10	0.18	4370	20	0.06	87.5	17.35	0.16	7.67	1.5	7	0.69	3.9
I076755		13.00	0.10	0.10	0.08	5220	10	<0.05	209	17.45	0.31	6.43	1.3	4	0.46	2.6
I076756		11.60	0.05	0.08	0.15	888	20	0.05	18.55	18.45	0.06	6.63	1.4	4	0.86	2.0
I076757		10.18	0.06	0.14	0.80	296	100	0.19	34.2	17.10	0.12	145.0	7.1	9	5.53	4.2
I076758		0.28	2.69	0.74	0.16	1820	20	0.06	93.1	15.05	1.58	10.35	1.6	13	0.92	32.4
I076759		9.60	0.03	0.13	5.11	62	640	1.08	5.47	13.20	<0.02	62.6	17.7	33	29.6	16.9
I076760		12.16	0.02	0.14	4.05	107	260	0.60	4.95	15.85	0.03	54.0	28.5	28	35.5	20.8
I076761		5.70	0.01	0.16	5.25	45	510	0.90	8.26	12.85	0.02	75.3	24.4	36	41.0	17.0
I076762		10.64	0.11	1.07	0.38	5040	50	<0.05	1160	0.80	0.22	64.5	11.0	8	0.22	9.5
I076763		14.34	0.30	1.63	0.22	3110	20	<0.05	672	0.78	0.68	209	19.1	6	0.11	9.4
I076764		10.52	0.16	0.21	5.95	95.5	110	1.28	75.6	9.06	0.05	94.0	21.8	36	23.5	18.6
I076765		12.06	0.35	0.17	6.44	87.0	330	1.21	171.0	6.82	<0.02	87.9	36.0	43	18.05	18.6
I076766		7.44	0.01	<0.01	0.09	<5	20	<0.05	0.42	21.3	0.06	1.43	1.4	5	0.17	1.9
I076767		1.26	0.01	0.37	0.29	78.2	840	0.11	1.60	8.87	2.92	3.48	2.9	13	0.17	8.4
I076768		0.64	0.12	1.75	5.94	2290	9790	1.52	27.5	3.11	11.25	37.8	26.4	165	7.10	299

***** See Appendix Page for comments regarding this certificate *****

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 19- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10108987

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I076733		2.16	4.68	0.11	0.8	0.028	0.96	15.8	8.3	0.86	334	0.43	0.03	12.2	28.1	620
I076734		3.24	8.58	0.13	0.8	0.042	1.36	22.8	13.9	1.22	364	0.63	0.03	18.2	57.4	850
I076735		10.05	30.3	0.27	0.6	0.083	4.79	17.7	10.1	0.73	372	4.63	0.12	6.8	215	1040
I076736		7.82	17.15	0.23	1.1	0.069	2.32	27.0	12.7	6.48	2270	1.84	0.06	3.9	199.0	1500
I076737		30.2	18.10	0.46	1.6	0.053	1.30	13.4	8.0	1.43	1600	2.19	0.04	2.1	184.5	840
I076738		26.2	16.40	0.49	1.7	0.064	1.29	11.8	9.3	0.39	1320	1.40	0.04	1.9	139.5	600
I076739		17.90	16.55	0.26	1.5	0.058	0.80	7.5	11.9	0.21	772	0.99	0.03	2.0	96.2	590
I076740		22.6	20.5	0.35	1.8	0.054	0.92	12.1	15.8	1.06	1180	1.19	0.04	2.8	184.0	680
I076741		9.82	9.96	0.19	1.0	0.037	1.18	8.0	15.5	6.91	1070	0.62	0.04	11.5	63.3	790
I076742		2.15	16.15	0.13	1.4	0.023	3.53	11.8	7.2	0.63	309	9.12	1.29	2.5	8.9	460
I076743		5.06	5.84	0.06	0.7	0.029	0.65	9.2	9.6	10.50	1460	0.63	0.02	10.1	20.6	320
I076744		4.44	1.03	<0.05	0.1	0.020	0.08	3.6	3.2	11.00	1280	<0.05	<0.01	0.7	<0.2	110
I076745		8.13	1.09	0.13	0.1	0.019	0.07	3.0	1.9	8.05	923	0.11	<0.01	0.7	1.3	160
I076746		11.30	1.68	0.19	0.2	0.036	0.12	3.7	2.0	8.94	2360	0.10	<0.01	1.7	3.2	140
I076747		0.50	0.29	0.12	<0.1	<0.005	0.02	0.5	1.0	12.80	229	0.05	<0.01	0.3	0.6	160
I076748		13.15	0.87	0.23	0.1	0.034	0.01	14.1	1.7	8.59	2430	0.09	<0.01	1.0	0.5	120
I076749		36.2	1.41	0.69	<0.1	0.009	0.01	107.0	0.8	0.49	437	0.09	<0.01	1.4	3.9	180
I076750		40.2	0.78	0.77	<0.1	<0.005	<0.01	45.4	0.7	0.22	79	0.10	<0.01	0.8	3.2	90
I076751		5.44	1.01	<0.05	0.1	0.024	0.07	4.0	2.5	8.96	1550	0.29	<0.01	0.6	<0.2	110
I076752		4.69	0.63	<0.05	<0.1	0.032	0.04	3.6	3.1	10.45	1360	0.18	<0.01	0.5	<0.2	70
I076753		4.73	0.69	<0.05	<0.1	0.035	0.04	3.4	3.0	10.10	1400	0.27	<0.01	0.5	0.9	70
I076754		8.16	1.15	0.11	0.1	0.024	0.05	4.1	2.4	10.05	1380	0.10	0.01	1.0	3.3	190
I076755		8.60	0.71	0.12	0.1	0.033	0.03	3.1	2.1	10.35	2210	0.06	<0.01	0.6	2.8	130
I076756		6.73	1.03	0.05	0.1	0.037	0.08	3.3	2.3	10.45	2490	0.11	<0.01	0.9	2.3	150
I076757		8.62	4.95	0.18	0.6	0.015	0.49	93.5	4.9	9.39	1380	0.25	0.02	4.3	19.8	520
I076758		10.75	1.19	0.16	0.1	0.055	0.08	5.2	3.6	8.72	1840	4.54	<0.01	0.9	7.2	90
I076759		3.46	17.20	0.06	1.2	0.025	3.63	33.0	30.6	7.77	691	0.12	0.04	10.3	49.5	1590
I076760		3.24	12.30	0.07	1.5	0.011	3.22	28.9	31.1	9.03	891	0.12	0.04	14.3	45.9	2160
I076761		5.37	18.55	0.11	1.2	0.019	4.14	40.9	31.4	6.93	940	0.24	0.04	18.2	52.2	2970
I076762		40.7	2.80	0.75	0.3	0.009	0.08	42.1	1.0	0.24	101	0.21	0.02	2.4	32.6	760
I076763		38.8	2.41	0.72	0.4	0.005	0.01	137.0	1.0	0.19	165	0.11	0.01	0.9	40.3	300
I076764		10.50	21.1	0.22	1.2	0.055	3.31	49.0	35.5	3.51	2760	0.40	0.04	26.3	67.8	2300
I076765		10.00	24.9	0.24	1.1	0.055	3.71	45.5	50.2	3.40	2170	0.51	0.13	25.5	104.5	2390
I076766		0.50	0.32	0.09	<0.1	<0.005	0.04	0.7	1.3	13.05	208	0.19	<0.01	0.4	0.6	250
I076767		1.22	0.71	<0.05	0.1	0.007	0.11	2.6	1.9	3.53	445	0.77	0.01	0.5	10.0	140
I076768		18.75	13.50	0.37	2.1	0.258	2.22	23.2	14.7	1.06	1050	10.35	0.16	8.6	170.0	2850

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 19- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10108987

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I076733		4.4	33.8	<0.002	<0.01	0.11	4.6	2	0.6	723	0.70	<0.05	1.9	0.312	0.19	0.8
I076734		4.3	64.3	<0.002	<0.01	0.11	7.7	1	1.0	235	1.18	<0.05	2.9	0.475	0.49	0.9
I076735		4.5	159.0	<0.002	0.05	5.82	33.1	1	5.0	18.8	0.43	<0.05	4.6	0.298	1.25	0.8
I076736		2.2	83.5	<0.002	0.30	2.87	18.9	1	2.6	70.0	0.23	<0.05	3.5	0.171	0.84	1.0
I076737		7.2	64.9	0.002	0.16	12.50	9.7	2	5.3	19.9	0.10	0.19	2.9	0.093	1.49	2.4
I076738		175.5	116.5	0.002	0.34	28.1	8.7	2	2.7	55.4	0.09	0.17	3.0	0.071	1.47	4.0
I076739		141.5	47.0	<0.002	0.48	12.20	5.6	2	2.4	81.7	0.08	0.28	2.4	0.112	0.82	4.6
I076740		115.5	51.5	<0.002	0.65	22.5	13.1	3	2.9	97.6	0.14	0.29	3.3	0.195	1.32	6.6
I076741		6.0	40.0	<0.002	0.15	3.26	7.0	4	1.8	62.7	0.60	0.08	2.1	0.198	0.64	2.2
I076742		13.2	790	<0.002	0.01	0.75	7.5	1	1.2	55.8	0.21	<0.05	1.4	0.253	5.99	0.6
I076743		4.2	23.5	0.002	0.17	1.72	2.8	4	1.1	61.1	0.59	0.06	1.7	0.137	0.23	0.9
I076744		2.9	10.7	0.005	4.00	0.80	0.6	4	0.3	81.6	<0.05	<0.05	<0.2	0.010	0.16	0.2
I076745		2.1	9.2	<0.002	8.73	5.79	0.8	6	0.2	62.1	<0.05	<0.05	<0.2	0.007	0.09	0.3
I076746		239	24.8	0.002	>10.0	2.54	0.7	5	0.6	117.0	0.09	0.15	0.2	0.021	0.19	0.4
I076747		1.4	1.0	<0.002	0.05	<0.05	0.3	3	<0.2	42.3	<0.05	<0.05	<0.2	<0.005	<0.02	0.4
I076748		9.7	1.1	<0.002	>10.0	3.62	0.5	3	0.3	78.7	<0.05	0.29	0.2	0.010	0.05	0.3
I076749		219	0.3	0.003	>10.0	25.2	0.8	7	0.3	115.0	<0.05	1.70	0.5	0.005	0.19	3.1
I076750		128.5	0.2	0.006	>10.0	26.0	0.9	9	0.3	4.4	<0.05	1.60	0.3	<0.005	0.13	4.8
I076751		3.4	9.3	<0.002	4.61	1.17	0.5	3	0.3	77.0	<0.05	<0.05	<0.2	0.008	0.14	0.5
I076752		3.2	5.4	0.004	3.58	2.83	0.4	4	0.2	75.9	<0.05	0.06	<0.2	0.005	0.11	0.4
I076753		3.1	6.1	0.002	3.70	2.97	0.4	4	0.2	77.9	<0.05	0.05	<0.2	0.005	0.11	0.4
I076754		4.1	9.3	0.003	8.97	2.67	0.7	5	0.4	73.1	<0.05	0.08	0.2	0.013	0.10	1.0
I076755		4.1	5.4	0.003	8.47	4.21	0.5	5	0.4	95.0	<0.05	0.16	<0.2	0.005	0.08	0.4
I076756		3.1	15.4	<0.002	6.82	1.30	0.7	4	0.3	96.6	<0.05	0.06	<0.2	0.012	0.10	0.2
I076757		3.9	94.9	0.002	>10.0	0.85	1.6	3	2.1	72.2	0.23	0.09	1.9	0.097	0.47	1.6
I076758		100.0	12.1	0.026	>10.0	5.24	2.3	5	2.2	76.8	<0.05	0.17	0.5	0.008	0.50	0.2
I076759		1.7	313	<0.002	3.23	0.31	9.4	2	2.6	60.4	0.62	0.07	2.6	0.363	2.03	1.1
I076760		1.6	328	<0.002	2.64	0.22	7.5	3	2.9	69.6	0.87	0.07	2.6	0.467	2.29	1.1
I076761		1.4	427	0.002	4.69	0.61	9.8	3	5.6	71.9	1.12	0.07	3.1	0.608	2.79	1.1
I076762		55.1	5.1	0.009	>10.0	14.70	1.3	11	1.1	5.8	0.08	1.21	0.5	0.039	0.21	0.9
I076763		99.6	1.1	0.066	>10.0	9.55	1.1	7	1.0	7.9	<0.05	0.78	1.7	0.010	0.82	3.0
I076764		2.8	197.0	<0.002	>10.0	0.70	11.4	3	10.9	50.2	1.63	0.08	3.5	0.865	1.64	1.4
I076765		1.8	157.0	<0.002	>10.0	0.85	12.7	3	7.6	43.0	1.56	0.14	3.8	0.856	1.15	1.1
I076766		1.3	1.6	<0.002	0.06	<0.05	0.2	3	<0.2	46.6	<0.05	<0.05	<0.2	0.008	<0.02	0.5
I076767		9.9	4.3	<0.002	0.03	0.66	0.8	3	0.3	26.1	<0.05	<0.05	0.2	0.016	0.39	0.5
I076768		485	74.0	0.014	0.05	11.55	10.1	3	25.6	17.9	0.45	0.29	5.3	0.182	2.43	8.2

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 19- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10108987

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	As- OG62 As % 0.001
I076733		41	0.3	12.8	56	33.0	
I076734		70	0.7	13.8	110	30.2	
I076735		248	6.0	12.5	76	23.9	
I076736		125	3.5	18.3	40	40.1	
I076737		104	403	10.9	94	57.8	1.250
I076738		93	348	13.5	1220	67.9	1.770
I076739		109	182.0	6.7	464	63.2	1.545
I076740		175	125.5	10.6	265	71.9	2.60
I076741		57	13.5	11.9	87	40.5	
I076742		56	0.4	10.9	28	52.4	
I076743		26	5.7	9.5	45	32.3	
I076744		9	447	5.3	16	3.0	
I076745		9	4.7	5.6	28	3.5	
I076746		8	184.5	6.5	1500	6.3	
I076747		4	0.3	0.8	19	<0.5	
I076748		6	42.3	7.6	54	4.1	
I076749		4	214	2.5	702	2.4	
I076750		1	480	1.1	456	1.8	
I076751		9	23.0	6.6	43	2.8	
I076752		9	284	6.0	52	2.0	
I076753		9	110.0	5.9	51	2.4	
I076754		11	307	6.1	46	6.2	
I076755		8	166.5	6.4	56	2.7	
I076756		10	54.5	6.6	20	4.5	
I076757		28	86.8	8.8	45	26.0	
I076758		11	2180	5.7	382	3.4	
I076759		118	5.1	10.4	20	54.0	
I076760		99	3.9	12.0	24	65.7	
I076761		122	42.8	15.6	27	48.4	
I076762		14	670	2.5	53	15.2	
I076763		6	1950	7.0	195	4.5	
I076764		116	34.4	18.7	60	47.0	
I076765		152	25.9	16.7	25	45.7	
I076766		5	4.0	0.9	18	<0.5	
I076767		7	8.1	1.0	579	5.0	
I076768		133	40.6	12.5	5690	74.4	

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 19- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10108987

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

ALS Canada Ltd.

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 20- AUG- 2010
Account: RCM

CERTIFICATE VA10109944

Project: RAU

P.O. No.: BATCH 62

This report is for 35 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 9- AUG- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- 31	Fine crushing - 70% < 2mm
CRU- QC	Crushing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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To: **ATAC RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 20- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10109944

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
I076697		3.64	0.01	0.25	0.07	48	70	0.08	0.48	21.4	2.55	2.00	1.0	3	0.10	2.8
I076698		3.88	0.01	0.23	0.16	33	240	0.18	0.66	21.3	0.91	2.76	1.2	4	0.21	2.5
I076699		8.24	0.02	0.03	0.43	20	130	0.25	2.31	20.2	0.07	7.32	2.3	17	0.61	2.6
I076700		2.92	1.95	0.14	0.89	225	1360	0.35	24.6	22.1	0.89	14.80	5.1	31	1.27	453
I076701		3.76	0.12	0.02	0.08	23	150	0.15	0.44	21.1	0.30	6.30	1.4	4	0.10	3.9
I076702		1.88	0.04	0.53	1.25	670	7830	0.74	3.70	9.89	6.89	13.75	16.4	48	0.96	12.1
I076703		7.48	0.02	0.17	0.92	151	2060	0.40	3.16	18.75	1.11	11.40	4.1	22	1.10	3.9
I076704		8.74	0.04	0.05	0.61	69	90	0.19	9.92	17.95	0.10	10.05	2.6	13	0.24	2.5
I076705		1.66	0.01	0.13	0.03	22	170	0.13	0.20	21.9	0.50	2.07	0.9	2	0.07	1.2
I076706		0.26	0.39	7.05	5.37	0.5	70	1.07	1.38	1.40	0.03	18.40	8.9	31	16.05	13.5
I076707		0.64	0.04	5.94	1.02	605	950	0.39	15.90	19.95	5.86	11.25	5.4	22	1.75	36.4
I076708		0.38	0.05	1.50	0.36	216	410	0.15	15.10	17.50	4.98	9.24	2.0	11	0.40	10.7
I076709		0.34	0.04	5.59	1.49	1060	990	0.59	26.7	14.75	5.54	18.55	8.3	31	3.11	89.0
I076710		2.50	0.03	0.43	0.10	59	360	0.14	1.25	22.4	1.92	2.74	1.1	3	0.17	3.2
I076711		2.14	0.02	0.36	0.08	65	110	0.13	0.68	23.1	2.50	3.13	1.3	2	0.16	2.5
I076712		2.36	0.01	0.37	0.13	85	140	0.10	1.61	21.9	1.74	3.27	1.6	2	0.27	4.9
I076713		4.28	<0.01	<0.01	0.08	<5	30	0.07	0.03	21.4	0.06	1.55	1.3	2	0.18	1.4
I076714		2.00	0.05	7.00	2.19	1080	1750	0.79	45.1	12.15	6.51	24.4	11.2	46	3.82	94.9
I076715		2.08	0.01	0.33	0.13	77	100	0.11	1.61	21.6	1.56	3.11	1.2	2	0.14	2.0
I076716		2.96	<0.01	0.21	0.25	19	60	0.18	0.80	20.5	0.64	2.98	1.0	4	0.12	1.7
I076717		0.74	0.11	22.4	0.38	2000	5470	0.36	53.4	10.20	14.50	15.00	11.3	24	0.66	64.9
I076718		0.86	0.09	14.25	0.60	3960	6420	0.19	280	0.45	11.10	7.09	5.6	33	0.42	41.7
I076719		1.10	0.11	4.95	1.37	3290	2040	0.30	120.0	7.19	9.00	5.74	4.4	29	0.32	19.9
I076720		0.24	0.05	2.88	2.30	6000	3350	0.74	56.9	7.75	33.6	20.0	9.7	58	2.98	184.5
I076722		0.64	0.08	5.63	1.40	2590	4410	0.57	45.8	13.20	23.3	17.95	14.2	33	2.77	98.9
I076723		2.04	0.01	0.20	0.14	83	140	0.12	1.78	17.30	0.97	2.43	1.5	4	0.39	4.2
I076724		0.30	0.03	0.44	0.64	186	250	0.26	3.18	19.05	1.96	6.16	3.8	12	1.49	15.9
I076725		0.50	0.16	2.56	6.75	2130	7680	2.00	93.2	2.64	15.45	23.5	37.2	197	6.99	131.5
I076726		0.22	0.15	2.61	5.92	2220	6790	1.86	95.0	5.44	15.95	23.3	32.3	161	6.21	122.5
I076727		1.02	0.06	1.47	9.84	2350	9200	3.06	34.4	0.22	13.25	37.6	41.4	307	7.63	135.5
I076728		0.68	0.13	0.94	11.25	1150	>10000	4.43	24.7	0.46	5.69	18.15	18.3	358	7.45	123.0
I076729		4.10	<0.01	0.01	0.11	10	40	0.08	0.09	20.6	0.07	1.59	1.2	3	0.39	1.7
I076730		0.44	0.10	0.98	9.62	1440	>10000	2.15	57.2	0.16	8.17	25.9	46.5	331	4.64	125.5
I076731		0.32	0.41	2.13	7.47	1805	3710	1.26	16.35	4.08	6.61	27.3	31.1	114	3.63	280
I076732		0.26	1.37	0.62	4.86	80.5	90	1.16	1.59	0.98	0.12	14.50	24.3	152	20.6	451

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 20- AUG- 2010
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Project: RAU

CERTIFICATE OF ANALYSIS VA10109944

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I076697		0.52	0.29	0.10	<0.1	0.009	0.02	1.3	2.8	11.60	353	0.28	0.02	0.2	2.1	40
I076698		0.40	0.74	0.12	0.1	0.015	0.06	1.6	3.5	12.45	443	0.24	0.02	0.6	3.3	140
I076699		1.10	1.25	0.10	0.2	0.009	0.18	4.6	3.6	9.98	589	0.59	0.01	2.6	5.7	50
I076700		7.61	5.97	0.16	0.4	0.153	0.38	7.0	2.8	1.54	10650	3.29	0.03	2.3	20.4	110
I076701		1.61	0.52	0.08	<0.1	0.021	0.04	3.8	1.4	9.67	2490	0.50	0.01	0.5	3.4	10
I076702		12.15	3.18	0.19	0.6	0.036	0.52	9.0	5.6	0.71	3120	4.76	0.12	3.0	76.3	210
I076703		2.13	2.71	0.10	0.3	0.014	0.31	6.9	3.5	10.25	1120	0.56	0.04	3.0	14.5	40
I076704		2.81	4.10	0.08	0.3	0.021	0.03	5.7	2.4	10.40	1980	0.88	0.07	2.2	9.5	50
I076705		0.30	0.19	0.07	<0.1	0.009	0.01	1.3	2.5	12.15	358	0.13	0.01	0.3	1.1	20
I076706		2.07	16.55	0.15	1.4	0.020	3.53	12.8	8.2	0.64	296	9.71	1.28	2.4	9.1	470
I076707		4.07	3.29	0.10	0.3	0.063	0.37	7.2	5.9	8.27	1140	2.36	0.04	3.0	31.7	480
I076708		3.10	2.12	0.08	0.3	0.034	0.05	6.1	2.5	3.25	841	1.12	0.04	1.1	13.0	280
I076709		9.90	4.59	0.17	0.4	0.112	0.53	13.1	7.5	6.91	1480	3.75	0.04	5.3	51.1	710
I076710		0.67	0.51	0.06	<0.1	0.011	0.02	1.8	2.6	10.70	500	0.31	0.02	0.5	3.5	120
I076711		0.57	0.39	0.08	<0.1	0.017	0.02	1.9	2.6	10.75	659	0.37	0.01	0.4	4.4	110
I076712		0.55	0.52	0.08	0.1	0.016	0.04	2.0	3.0	11.45	743	0.57	0.02	0.5	4.5	80
I076713		0.43	0.31	0.11	<0.1	<0.005	0.03	0.8	1.1	12.75	194	0.24	<0.01	0.4	1.2	190
I076714		7.79	6.58	0.16	0.5	0.162	0.77	17.3	10.3	7.39	2690	5.53	0.06	5.9	68.3	950
I076715		0.70	0.79	0.06	0.1	0.014	0.02	1.8	2.5	10.25	552	0.39	0.02	0.5	3.7	190
I076716		0.35	1.80	0.09	0.2	0.010	0.01	1.7	3.3	11.60	471	2.91	0.04	1.1	4.7	140
I076717		24.5	1.81	0.32	0.1	0.051	0.08	9.5	2.5	5.04	4050	6.11	0.09	1.2	60.6	440
I076718		48.9	3.40	0.72	0.3	0.047	0.07	3.8	1.1	0.26	454	16.30	0.13	1.2	44.4	1740
I076719		32.9	10.10	0.40	0.1	0.028	0.04	3.0	2.4	3.65	638	11.50	0.17	0.9	34.3	650
I076720		31.9	11.30	0.38	0.6	0.150	0.53	18.4	5.4	1.89	1560	37.9	0.14	6.6	96.4	2720
I076722		14.90	5.67	0.23	0.4	0.095	0.38	12.7	6.5	6.81	7220	15.50	0.10	3.8	93.3	1520
I076723		0.65	0.50	0.06	<0.1	0.008	0.04	1.5	3.1	10.20	387	0.47	0.02	0.6	5.5	60
I076724		1.56	1.93	0.07	0.2	0.025	0.21	3.4	5.8	11.20	744	1.12	0.03	2.1	18.7	260
I076725		17.10	25.5	0.32	2.0	0.135	2.95	16.7	28.6	2.77	4150	11.80	0.17	5.1	248	1540
I076726		16.70	21.8	0.29	1.6	0.128	2.55	16.5	26.3	4.31	4380	12.50	0.15	6.8	235	1560
I076727		18.10	39.3	0.36	2.0	0.124	4.56	21.4	36.5	1.26	1540	10.65	0.19	4.2	243	1810
I076728		9.63	53.0	0.25	4.1	0.232	5.21	10.5	28.7	1.12	577	5.07	0.24	6.8	111.5	2790
I076729		0.44	0.32	0.06	<0.1	<0.005	0.06	0.8	1.2	12.25	188	0.08	0.01	0.5	1.2	200
I076730		17.30	21.1	0.34	3.8	0.086	4.49	15.6	29.0	0.80	530	9.75	0.31	3.8	295	1010
I076731		17.25	18.40	0.28	1.4	0.110	1.38	15.4	10.3	2.63	1400	8.75	0.20	3.2	98.1	1210
I076732		1.95	15.15	0.14	1.3	0.043	3.53	8.8	6.1	0.36	286	5.21	1.16	2.5	461	450

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 20- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10109944

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I076697		13.0	1.3	<0.002	0.01	0.60	0.3	2	0.2	68.0	<0.05	<0.05	<0.2	<0.005	0.09	0.3
I076698		13.6	4.3	<0.002	0.01	0.31	0.5	1	0.7	71.4	<0.05	<0.05	0.3	0.008	0.14	0.7
I076699		3.3	8.1	<0.002	0.15	0.75	1.9	2	0.5	68.4	0.11	<0.05	0.6	0.050	0.18	0.4
I076700		19.9	25.9	0.005	0.13	3.87	2.5	2	5.3	61.0	0.09	<0.05	1.1	0.063	2.71	2.3
I076701		4.9	1.7	<0.002	0.02	0.31	0.5	2	0.2	64.2	<0.05	<0.05	0.2	0.007	0.17	0.3
I076702		108.0	19.2	<0.002	0.22	6.38	2.6	2	1.6	29.4	0.13	<0.05	1.5	0.076	0.56	2.7
I076703		26.5	27.5	<0.002	0.08	1.48	3.1	2	1.3	61.3	0.15	<0.05	0.7	0.076	0.24	0.5
I076704		3.3	1.9	<0.002	0.05	1.29	1.8	1	0.8	70.1	0.10	0.13	0.4	0.042	0.09	0.8
I076705		10.8	0.9	<0.002	<0.01	0.15	0.2	1	0.3	68.6	<0.05	<0.05	<0.2	<0.005	0.10	0.4
I076706		14.6	770	<0.002	0.01	0.76	7.6	1	1.2	59.2	0.37	<0.05	1.5	0.250	6.60	0.7
I076707		133.5	20.2	<0.002	0.02	3.29	2.3	2	3.7	53.2	0.15	0.08	1.2	0.061	0.91	1.7
I076708		56.9	3.4	<0.002	0.01	1.49	1.6	2	2.6	25.2	0.05	0.09	0.9	0.017	0.28	1.0
I076709		287	26.4	<0.002	0.02	5.94	3.3	2	8.0	44.4	0.27	0.18	1.8	0.094	1.80	2.9
I076710		29.4	2.0	<0.002	0.01	0.48	0.3	2	0.3	56.4	<0.05	<0.05	<0.2	0.005	0.18	0.5
I076711		14.1	1.5	<0.002	<0.01	0.35	0.3	2	0.4	55.7	<0.05	<0.05	<0.2	<0.005	0.32	0.6
I076712		17.5	2.6	<0.002	<0.01	0.46	0.4	1	1.2	70.4	<0.05	<0.05	0.2	0.007	0.31	0.5
I076713		1.7	1.9	<0.002	<0.01	0.12	0.3	2	<0.2	48.2	<0.05	<0.05	<0.2	<0.005	<0.02	1.0
I076714		366	27.4	<0.002	0.04	8.97	4.7	2	10.7	50.8	0.32	0.24	2.5	0.133	2.54	3.3
I076715		23.2	3.2	<0.002	<0.01	0.43	0.3	2	0.4	48.2	<0.05	<0.05	0.2	0.006	0.24	0.5
I076716		14.3	1.2	<0.002	<0.01	0.30	0.5	1	0.5	63.5	0.06	<0.05	0.5	0.018	0.16	0.8
I076717		78.4	4.6	<0.002	0.17	4.72	1.1	3	1.3	40.1	0.05	0.15	0.4	0.017	3.84	3.8
I076718		286	3.6	0.004	0.21	9.67	0.9	4	1.9	20.5	<0.05	0.46	1.6	0.016	0.50	12.3
I076719		360	2.0	0.009	0.08	8.31	0.6	3	1.7	39.5	<0.05	0.25	0.4	0.012	0.53	6.4
I076720		322	25.1	0.003	0.10	28.5	4.0	3	29.7	44.5	0.32	0.40	2.1	0.110	2.03	13.9
I076722		198.0	20.3	0.002	0.11	11.00	3.5	3	5.4	61.5	0.19	0.13	1.4	0.073	10.60	7.4
I076723		14.6	2.6	<0.002	<0.01	0.50	0.4	2	0.4	46.6	<0.05	<0.05	<0.2	0.009	0.18	0.4
I076724		42.9	11.8	<0.002	<0.01	1.14	1.5	2	1.5	46.7	0.10	<0.05	0.6	0.044	0.52	1.1
I076725		263	108.0	<0.002	0.12	12.45	16.5	2	11.8	38.0	0.26	0.50	3.3	0.225	6.64	7.1
I076726		253	96.0	<0.002	0.11	12.60	14.8	2	10.2	47.8	0.36	0.48	3.4	0.243	6.86	7.2
I076727		188.0	169.0	<0.002	0.08	8.43	24.7	2	16.0	25.1	0.19	0.29	4.6	0.189	3.71	7.5
I076728		286	171.0	<0.002	0.03	6.24	24.5	2	30.0	21.2	0.35	0.32	3.2	0.253	2.83	7.3
I076729		1.9	2.9	<0.002	<0.01	<0.05	0.3	1	<0.2	47.9	<0.05	<0.05	<0.2	0.005	<0.02	0.6
I076730		128.0	123.0	<0.002	0.13	8.43	27.9	2	12.6	24.3	0.19	0.18	3.6	0.222	2.33	8.5
I076731		164.5	62.2	0.011	0.27	4.56	26.8	3	4.4	76.6	0.16	0.18	2.3	0.286	0.96	5.1
I076732		170.0	920	<0.002	0.31	2.63	3.4	1	3.2	49.1	2.01	0.16	2.3	0.079	8.23	0.8

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 20- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10109944

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5
I076697		8	1.4	1.3	278	0.6
I076698		10	2.3	1.3	277	3.4
I076699		15	0.7	6.7	28	11.0
I076700		16	4.1	16.5	745	18.8
I076701		10	3.2	5.1	208	1.8
I076702		30	6.5	8.2	3930	27.0
I076703		18	2.7	6.6	587	10.7
I076704		18	2.0	8.6	53	14.2
I076705		7	1.1	1.1	177	0.5
I076706		53	0.4	12.1	27	48.4
I076707		30	58.5	5.0	2360	14.1
I076708		15	20.3	4.4	800	13.2
I076709		47	57.0	7.7	3620	16.3
I076710		9	3.2	1.7	354	1.9
I076711		10	3.1	2.1	432	1.3
I076712		12	2.4	1.6	412	2.1
I076713		4	0.1	1.0	18	<0.5
I076714		64	115.5	9.1	4840	22.8
I076715		11	5.3	1.8	395	3.4
I076716		13	13.9	1.6	205	8.3
I076717		19	98.0	9.5	4440	5.9
I076718		27	940	5.3	4020	14.7
I076719		65	1960	5.2	3120	5.2
I076720		110	600	16.9	6780	23.7
I076722		60	212	11.5	5440	16.3
I076723		7	3.9	1.2	359	2.2
I076724		17	8.3	2.6	1300	8.8
I076725		150	56.4	13.1	7010	78.4
I076726		135	57.8	12.8	6760	62.2
I076727		207	51.7	12.7	5870	79.0
I076728		279	34.9	11.3	4680	155.5
I076729		4	0.4	1.0	38	0.6
I076730		214	104.5	11.4	5070	159.0
I076731		210	29.0	17.0	3210	50.3
I076732		20	9.6	3.7	142	53.0

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 20- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10109944

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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Finalized Date: 21- AUG- 2010
Account: RCM

CERTIFICATE VA10109945

Project: RAU

P.O. No.: BATCH 61

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 9- AUG- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% < 2mm
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
Ag- OG62	Ore Grade Ag - Four Acid	VARIABLE
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Zn- OG62	Ore Grade Zn - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
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Finalized Date: 21- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10109945

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
I076661		0.18	0.19	0.37	6.11	114.5	90	1.23	13.10	0.15	0.04	2.24	1.2	52	0.10	5.9
I076662		0.42	0.20	0.94	4.01	54.9	90	0.91	6.69	0.10	0.04	9.36	0.4	38	0.43	5.6
I076663		1.02	0.29	36.0	2.59	4800	960	0.49	7660	0.29	2.72	84.8	18.3	54	0.21	8.9
I076664		1.70	0.19	19.05	2.92	8450	390	1.04	630	0.68	10.65	84.0	21.8	42	0.19	47.6
I076665		0.26	0.40	6.70	5.41	10.4	70	1.01	3.02	1.39	0.04	20.9	9.4	31	16.90	14.2
I076666		4.82	0.02	1.60	0.21	265	50	0.25	7.96	20.0	1.29	7.28	2.8	4	0.16	4.4
I076667		1.50	0.04	2.20	0.21	385	40	0.19	3.77	18.75	1.51	7.04	2.7	3	0.34	3.4
I076668		5.50	0.01	1.11	0.19	274	40	0.20	2.03	19.50	1.14	5.37	1.6	2	0.19	3.8
I076669		3.58	0.01	0.25	0.48	559	140	0.31	15.05	16.50	3.10	14.50	2.8	12	0.70	6.1
I076670		5.16	<0.01	0.01	0.06	6	20	0.06	0.24	21.3	0.09	1.61	1.3	2	0.16	2.9
I076671		1.36	<0.01	0.54	2.29	13	880	0.71	0.18	22.5	11.75	33.1	8.7	38	0.66	11.1
I076672		3.44	<0.01	1.06	2.36	14	1010	0.98	0.52	25.2	19.75	30.9	10.2	47	0.84	11.7
I076673		2.38	0.02	1.19	1.36	15	940	0.53	2.63	25.9	13.30	24.8	6.3	28	0.43	8.8
I076674		4.20	<0.01	0.90	2.09	17	1040	0.73	0.50	23.7	5.75	31.8	8.1	30	0.68	17.0
I076675		0.44	0.02	0.54	5.26	64	1940	1.59	0.21	14.35	10.50	62.6	11.1	130	3.33	65.0
I076676		1.56	0.03	0.99	10.00	86.6	4140	3.13	0.16	0.59	5.02	186.0	11.9	140	4.51	117.5
I076677		3.94	0.04	2.60	9.99	58.7	3260	2.38	0.36	1.79	10.60	176.0	27.7	29	4.44	113.5
I076678		4.20	0.01	<0.01	0.10	<5	30	<0.05	0.09	20.4	0.08	1.84	1.2	2	0.20	1.9
I076679		4.40	0.01	1.00	1.20	12	1620	0.41	1.07	19.00	13.80	21.2	7.3	19	0.68	17.4
I076680		5.76	<0.01	0.35	0.15	9	550	0.14	0.33	21.5	3.82	5.09	1.5	6	0.11	6.3
I076681		3.62	0.01	0.37	0.13	11	180	0.15	0.99	21.0	7.16	3.62	3.6	6	0.10	5.0
I076682		3.00	<0.01	2.94	0.10	14	5150	0.17	1.35	21.2	4.60	3.11	1.7	2	0.09	3.0
I076683		3.80	0.01	1.13	0.07	<5	190	0.12	1.67	18.70	143.0	3.04	1.5	1	0.09	6.5
I076684		2.86	0.01	3.28	0.06	18	670	0.97	1.53	20.1	131.0	5.74	2.3	<1	0.11	10.6
I076685		0.12	0.24	>100	5.92	4580	240	0.93	0.19	2.38	135.5	30.0	14.7	47	4.55	500
I076686		5.04	<0.01	0.54	0.06	32	140	0.16	0.23	21.5	5.00	2.03	0.9	2	0.10	1.5
I076687		2.28	<0.01	0.40	0.05	14	150	0.15	0.26	21.2	6.00	2.13	0.8	2	0.10	1.4
I076688		4.58	<0.01	0.16	0.03	10	100	0.11	0.26	21.0	0.89	1.96	0.8	3	0.12	1.1
I076689		5.58	0.01	0.37	0.05	15	40	0.14	1.32	21.0	1.61	2.81	0.9	2	0.16	1.1
I076690		5.20	0.02	0.31	0.05	12	60	0.10	1.18	21.3	1.88	2.18	1.0	2	0.10	2.1
I076691		5.24	<0.01	0.17	0.05	<5	1300	0.10	0.28	21.1	1.12	2.21	1.0	2	0.12	0.9
I076692		5.54	<0.01	0.09	0.06	<5	90	0.17	1.22	20.6	0.49	2.61	0.9	2	0.13	0.9
I076693		4.56	<0.01	0.19	0.06	<5	70	0.08	0.39	20.9	0.37	2.00	1.0	2	0.09	1.2
I076694		5.44	<0.01	0.08	0.04	<5	20	0.12	0.16	21.3	0.19	1.92	0.9	1	0.07	0.8
I076695		5.08	0.01	0.33	0.03	23	60	0.12	0.28	21.6	1.09	2.13	0.9	2	0.08	1.4
I076696		4.86	<0.01	0.22	0.10	12	100	0.11	0.89	21.5	1.01	2.76	1.0	3	0.09	1.4

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 21- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10109945

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I076661		1.26	41.7	0.11	3.7	0.006	0.14	1.3	4.9	2.21	101	0.77	0.63	45.4	3.1	30
I076662		0.53	28.2	0.10	2.6	0.009	0.02	5.8	3.5	1.34	43	0.41	0.40	36.5	2.2	20
I076663		25.4	20.7	0.51	4.9	0.065	0.62	61.2	4.7	1.43	630	85.2	0.28	7.5	77.4	2510
I076664		36.8	17.80	0.64	2.5	0.301	0.09	40.6	1.7	0.82	684	64.7	0.13	2.6	129.5	7420
I076665		2.22	16.05	0.19	1.4	0.021	3.53	14.1	7.6	0.64	306	9.99	1.30	2.4	8.7	490
I076666		2.34	0.77	0.10	0.1	0.018	0.03	4.4	3.2	11.95	233	4.55	0.02	0.5	10.1	630
I076667		3.49	0.59	0.11	0.1	0.011	0.03	3.8	3.8	11.40	317	2.16	0.02	0.4	8.7	330
I076668		1.96	0.53	0.09	<0.1	0.013	0.02	2.8	3.2	11.65	221	0.54	0.01	0.3	3.2	510
I076669		5.74	1.28	0.16	0.2	0.023	0.05	8.2	4.3	10.00	350	1.39	0.02	0.9	10.1	980
I076670		0.48	0.29	0.08	<0.1	0.005	0.02	0.8	0.8	12.60	231	0.12	<0.01	0.3	1.9	190
I076671		2.59	6.36	0.15	1.0	0.023	1.22	24.8	7.1	0.54	554	0.73	0.02	14.2	22.9	1030
I076672		4.15	6.56	0.15	0.9	0.032	1.24	23.8	9.5	1.98	3760	0.75	0.02	10.3	24.2	670
I076673		2.02	3.89	0.11	0.7	0.024	0.74	21.1	4.9	0.89	1320	0.77	0.02	7.4	13.9	510
I076674		1.99	6.03	0.11	0.8	0.062	1.08	23.3	6.2	0.62	634	0.78	0.02	11.5	18.1	1030
I076675		7.85	18.15	0.22	0.9	0.196	3.25	37.8	19.5	0.60	455	1.85	0.05	14.7	26.7	2040
I076676		8.11	29.6	0.37	4.0	0.261	4.73	98.3	20.8	0.71	60	13.90	0.09	16.1	58.2	7160
I076677		8.36	27.1	0.39	3.3	0.103	5.00	80.9	22.3	1.37	243	8.18	0.08	11.9	98.9	5730
I076678		0.44	0.30	0.07	<0.1	<0.005	0.05	0.9	1.1	12.15	189	0.14	<0.01	0.5	1.0	210
I076679		1.01	4.05	0.11	0.9	0.039	0.60	13.0	6.0	10.90	912	4.88	0.04	5.8	37.6	2180
I076680		0.41	0.76	0.09	0.1	0.074	0.07	3.4	3.9	12.45	910	0.51	0.02	0.6	8.0	520
I076681		0.98	0.52	0.08	0.1	0.005	0.06	2.4	3.2	12.45	586	0.78	0.02	0.7	9.5	530
I076682		0.54	0.48	0.09	0.1	0.007	0.04	1.9	2.8	11.90	1080	0.46	0.08	0.4	5.1	190
I076683		2.81	2.49	0.09	<0.1	0.265	0.03	1.6	1.7	7.76	12850	0.19	0.01	0.4	6.9	110
I076684		4.55	3.12	0.14	<0.1	0.216	0.02	3.5	1.0	6.25	17700	0.83	0.01	0.3	15.2	270
I076685		7.82	15.75	0.26	1.3	0.398	1.70	17.0	24.6	0.83	1460	7.90	1.18	5.2	28.3	530
I076686		0.30	0.51	0.08	<0.1	0.036	0.02	1.5	2.2	12.25	918	0.17	0.02	0.3	2.0	170
I076687		0.30	0.50	0.10	<0.1	0.037	0.02	1.5	2.0	11.95	1010	0.17	0.01	0.3	2.3	260
I076688		0.18	0.37	0.15	<0.1	0.016	0.01	1.4	2.5	12.50	304	0.09	0.01	0.3	1.2	40
I076689		0.26	0.48	0.16	<0.1	0.015	0.01	1.8	2.7	12.65	370	0.14	0.01	0.3	0.8	120
I076690		0.29	0.45	0.16	<0.1	0.012	0.02	1.4	3.0	12.70	394	0.22	0.01	0.4	1.6	90
I076691		0.14	0.46	0.18	<0.1	0.011	0.01	1.4	3.2	12.60	317	0.10	0.03	0.3	0.8	100
I076692		0.10	0.48	0.22	<0.1	0.006	0.01	1.6	3.1	12.40	255	0.06	0.02	0.4	0.5	70
I076693		0.08	0.50	0.23	<0.1	<0.005	0.01	1.2	2.8	12.60	157	0.31	0.02	0.4	0.9	90
I076694		0.07	0.38	0.25	<0.1	<0.005	0.01	1.2	3.4	12.60	181	0.06	0.01	0.3	0.4	70
I076695		0.31	0.34	0.20	<0.1	0.009	0.01	1.3	2.9	12.55	238	0.19	0.01	0.3	1.3	40
I076696		0.19	0.61	0.22	0.1	<0.005	0.02	1.6	2.8	11.85	216	0.14	0.02	0.5	1.5	370

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 21- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10109945

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I076661		10.1	0.9	<0.002	0.01	0.84	7.8	3	16.3	45.7	3.19	0.06	1.3	1.615	0.02	3.2
I076662		5.1	1.3	<0.002	0.01	0.77	4.7	2	17.7	27.4	2.61	0.08	0.9	1.360	0.03	3.0
I076663		4340	30.6	0.009	1.38	52.6	4.9	23	39.8	558	0.41	19.45	7.2	0.270	1.75	6.7
I076664		274	6.0	0.003	0.23	17.15	9.8	9	5.0	788	0.16	1.71	5.7	0.088	0.63	15.0
I076665		15.7	800	<0.002	0.01	0.74	7.7	1	1.1	61.7	0.23	<0.05	1.8	0.249	6.75	0.8
I076666		32.4	4.3	<0.002	0.01	0.63	0.8	2	0.7	79.0	<0.05	0.08	0.3	0.007	0.04	4.8
I076667		44.4	4.4	<0.002	0.01	0.57	0.7	2	0.2	81.7	<0.05	0.06	0.2	<0.005	0.05	3.9
I076668		8.0	2.3	<0.002	0.01	0.54	0.7	2	0.2	68.2	<0.05	0.05	0.2	<0.005	0.04	3.9
I076669		52.1	7.0	<0.002	0.02	1.83	1.3	3	0.3	80.1	<0.05	0.08	0.6	0.013	0.09	7.9
I076670		6.5	1.4	<0.002	0.01	0.05	0.3	2	<0.2	38.9	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
I076671		317	31.7	<0.002	0.02	2.28	5.9	2	0.6	155.5	0.87	<0.05	3.3	0.295	0.30	1.2
I076672		571	37.3	<0.002	0.02	2.48	6.7	2	0.6	154.0	0.62	<0.05	2.9	0.280	0.49	1.2
I076673		717	19.9	<0.002	0.03	1.85	4.3	2	0.4	226	0.44	<0.05	2.0	0.192	0.21	1.0
I076674		161.5	26.6	<0.002	0.02	4.05	5.5	2	0.7	260	0.68	<0.05	3.1	0.268	0.36	0.9
I076675		54.3	52.2	<0.002	1.19	12.75	18.9	3	1.8	286	0.91	0.08	6.7	0.466	1.27	2.0
I076676		343	88.0	<0.002	0.40	15.00	24.2	4	3.8	526	1.09	0.09	12.9	0.538	1.79	8.2
I076677		624	82.5	<0.002	0.29	11.35	17.1	5	3.9	263	0.78	<0.05	9.6	0.431	2.19	10.7
I076678		2.7	1.9	<0.002	0.01	0.05	0.3	2	<0.2	45.9	<0.05	<0.05	<0.2	0.007	<0.02	0.7
I076679		150.0	17.8	0.005	0.06	4.06	3.5	3	1.3	112.5	0.34	0.05	1.7	0.149	0.38	7.5
I076680		69.6	2.7	<0.002	0.02	1.28	0.7	2	1.0	83.4	<0.05	<0.05	0.3	0.010	0.06	5.1
I076681		60.8	2.7	<0.002	0.01	1.17	0.7	2	0.2	72.9	<0.05	<0.05	0.2	0.010	0.12	4.5
I076682		59.0	2.4	<0.002	0.15	1.77	0.5	2	0.2	131.5	<0.05	<0.05	0.2	<0.005	0.10	1.4
I076683		131.0	1.7	<0.002	1.48	1.30	0.6	4	1.0	604	<0.05	<0.05	0.2	<0.005	0.04	1.4
I076684		298	1.5	<0.002	0.58	27.4	0.8	9	0.8	653	<0.05	<0.05	0.2	<0.005	0.08	2.7
I076685		9190	127.5	0.010	6.47	112.5	13.2	22	12.1	220	0.39	<0.05	4.7	0.283	2.40	3.0
I076686		34.2	1.7	<0.002	0.02	0.32	0.2	2	0.4	63.2	<0.05	<0.05	<0.2	<0.005	0.05	1.2
I076687		33.3	1.5	<0.002	0.01	0.35	0.2	2	0.4	60.8	<0.05	<0.05	<0.2	<0.005	0.04	1.7
I076688		16.2	1.1	<0.002	0.01	0.15	0.2	2	0.2	58.6	<0.05	<0.05	<0.2	<0.005	0.02	0.4
I076689		26.2	1.3	<0.002	<0.01	0.18	0.2	1	0.3	69.9	<0.05	<0.05	0.2	<0.005	0.03	1.0
I076690		17.6	1.6	<0.002	<0.01	0.61	0.3	1	0.3	58.0	<0.05	<0.05	0.2	<0.005	0.04	0.7
I076691		10.3	1.7	<0.002	0.04	0.21	0.2	2	0.3	83.6	<0.05	<0.05	<0.2	<0.005	0.03	1.1
I076692		4.7	1.7	<0.002	<0.01	0.11	0.3	1	<0.2	58.5	<0.05	<0.05	0.2	<0.005	0.02	1.1
I076693		3.3	1.4	<0.002	<0.01	0.10	0.2	1	0.2	60.8	<0.05	<0.05	0.2	<0.005	0.02	1.0
I076694		2.5	1.1	<0.002	<0.01	0.09	0.2	1	<0.2	70.5	<0.05	<0.05	<0.2	<0.005	0.02	1.1
I076695		8.4	1.3	<0.002	<0.01	0.20	0.2	1	<0.2	70.4	<0.05	<0.05	<0.2	<0.005	0.10	0.9
I076696		12.2	2.1	<0.002	<0.01	0.16	0.3	2	0.2	61.5	<0.05	<0.05	0.3	0.007	0.05	1.5

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VANCOUVER BC V6B 1L8

Finalized Date: 21- AUG- 2010
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Project: RAU

CERTIFICATE OF ANALYSIS VA10109945

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Ag- OG62 Ag ppm 1	Zn- OG62 Zn % 0.001
I076661		190	28.1	2.4	15	157.5		
I076662		168	28.3	2.2	8	101.5		
I076663		680	1290	14.7	1350	196.0		
I076664		465	146.0	33.5	2140	117.5		
I076665		56	0.7	12.6	37	47.5		
I076666		44	6.5	5.2	192	3.3		
I076667		28	6.8	4.8	339	1.8		
I076668		17	5.5	3.1	114	1.1		
I076669		51	28.9	7.9	478	5.9		
I076670		4	0.2	0.9	18	<0.5		
I076671		47	1.6	19.9	1670	42.8		
I076672		53	2.4	17.4	4810	40.4		
I076673		33	1.8	16.8	2470	30.9		
I076674		52	1.2	18.5	1500	33.7		
I076675		209	2.3	16.4	2250	38.7		
I076676		645	4.7	22.3	2060	178.5		
I076677		278	5.5	21.6	3570	138.0		
I076678		5	0.1	1.0	33	0.8		
I076679		134	1.4	10.0	1940	38.2		
I076680		28	0.4	3.9	676	3.5		
I076681		17	0.7	3.3	1140	3.9		
I076682		12	12.5	2.4	944	2.9		
I076683		9	0.6	2.7	>10000	1.5		3.47
I076684		9	40.6	4.2	>10000	1.2		3.03
I076685		97	3.2	14.2	>10000	39.1	336	1.270
I076686		7	1.0	1.6	1080	1.0		
I076687		7	1.1	1.7	1110	1.0		
I076688		6	0.2	1.2	254	0.6		
I076689		8	0.3	1.6	263	1.4		
I076690		9	0.5	1.4	291	1.4		
I076691		6	0.5	1.1	142	1.0		
I076692		8	0.3	1.4	63	1.4		
I076693		6	0.5	1.0	51	1.6		
I076694		6	0.3	0.9	40	0.7		
I076695		8	0.7	1.1	128	0.6		
I076696		8	1.2	1.3	127	2.5		

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 21- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10109945

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 26- AUG- 2010
Account: RCM

CERTIFICATE VA10111434

Project: RAU

P.O. No.:

This report is for 145 Soil samples submitted to our lab in Vancouver, BC, Canada on 12- AUG- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
PUL- 31	Pulverize split to 85% < 75 um
LOG- 21	Sample logging - ClientBarCode
PUL- QC	Pulverizing QC Test
SCR- 43	Screen to - 500um, discard plus
SCR- 01	Screen - Save plus fraction

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 26- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10111434

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC107301		0.20	0.010	0.5	1.18	49	<10	340	0.5	4	7.4	0.9	12	23	32	2.56
CC107302		0.28	0.005	1.5	0.28	19	<10	130	<0.5	<2	17.2	0.5	3	5	57	0.74
CC107303		0.20	0.006	0.4	0.92	21	<10	180	0.5	2	12.0	0.7	5	15	23	1.63
CC107304		0.16	0.005	0.7	1.47	25	<10	750	0.6	2	1.66	1.9	9	29	62	2.85
CC107305		0.18	0.010	0.8	1.24	27	<10	600	0.6	2	4.25	2.6	7	23	60	2.28
CC107306		0.24	0.012	1.1	1.28	40	<10	610	0.6	5	4.91	4.8	8	30	50	2.66
CC107307		0.24	0.006	<0.2	0.26	11	<10	150	<0.5	3	18.1	<0.5	2	5	8	0.67
CC107308		0.16	0.009	0.2	1.09	20	<10	350	<0.5	<2	4.31	4.7	9	26	31	2.21
CC107309		0.20	0.004	0.7	1.58	26	<10	360	0.6	<2	0.90	5.1	15	42	42	3.51
CC107310		0.22	0.002	0.3	1.22	21	<10	390	<0.5	<2	1.01	4.2	12	40	34	2.70
CC107311		0.20	0.003	0.3	1.39	22	<10	460	<0.5	<2	0.95	8.8	14	45	53	3.07
CC107312		0.26	0.014	0.5	1.59	33	<10	340	0.6	<2	2.74	2.8	15	44	56	3.92
CC107313		0.24	0.008	0.5	1.82	23	<10	330	0.6	2	0.95	1.9	14	53	41	3.45
CC107314		0.28	0.003	<0.2	1.83	19	<10	360	0.6	<2	0.94	1.7	15	59	42	3.41
CC107315		0.22	0.002	0.5	1.80	19	<10	250	0.6	<2	1.13	1.5	15	54	45	3.51
CC107316		0.12	0.004	0.4	1.39	12	<10	220	0.5	<2	2.29	2.3	12	42	32	2.48
CC107317		0.24	0.005	0.6	1.32	16	<10	330	0.6	<2	0.97	1.8	8	26	23	2.04
CC107318		0.26	0.006	0.2	1.08	11	<10	310	0.5	<2	3.28	1.0	6	19	13	2.06
CC107319		0.28	0.008	0.4	1.29	34	<10	770	0.7	3	2.56	19.1	13	24	63	3.33
CC107320		0.30	0.004	0.4	1.49	23	<10	600	0.7	<2	3.92	2.3	12	28	44	2.90
CC107321		0.28	0.001	0.5	1.55	24	<10	710	0.8	3	3.77	4.7	11	27	39	2.91
CC107322		0.28	0.007	0.7	1.23	33	<10	480	0.8	3	7.27	3.5	10	21	32	2.69
CC107323		0.26	<0.001	0.7	1.46	29	<10	360	0.8	<2	4.60	1.7	10	26	48	2.84
CC107324		0.18	0.011	0.8	1.40	26	<10	600	0.7	<2	1.00	1.9	9	29	36	2.67
CC107325		0.16	0.005	0.7	1.52	29	<10	600	0.7	<2	1.24	1.4	9	31	40	2.59
CC107326		0.34	0.003	0.8	1.01	27	<10	260	0.6	<2	10.2	0.9	5	17	20	1.64
CC107327		0.26	0.011	1.0	1.30	30	<10	580	0.6	2	3.98	1.3	9	29	48	2.50
CC107328		0.24	0.001	<0.2	0.69	4	<10	100	<0.5	<2	16.4	<0.5	4	10	4	0.64
CC107329		0.24	0.003	0.4	1.49	10	<10	110	0.5	<2	9.5	<0.5	7	21	6	1.65
CC107330		0.26	0.002	<0.2	1.60	19	<10	300	0.7	<2	0.36	<0.5	11	33	23	3.21
CC107331		0.24	0.008	0.2	1.00	9	<10	210	<0.5	<2	9.4	<0.5	6	18	17	1.55
CC107332		0.18	0.002	0.2	3.47	12	<10	240	1.4	<2	3.70	0.7	9	47	42	2.93
CC107333		0.26	0.003	<0.2	0.43	7	<10	310	<0.5	<2	18.4	<0.5	2	6	1	0.59
CC107334		0.24	0.005	<0.2	1.33	15	<10	320	0.6	<2	12.6	<0.5	5	19	10	1.60
CC107335		0.30	0.001	<0.2	1.15	16	<10	440	0.5	<2	11.6	<0.5	6	19	16	1.68
CC107336		0.22	0.006	<0.2	0.36	2	<10	210	<0.5	<2	18.0	<0.5	1	5	1	0.38
CC107337		0.22	<0.001	<0.2	0.69	10	<10	380	<0.5	<2	14.1	0.6	4	11	5	0.83
CC107338		0.30	0.009	0.2	1.02	13	<10	330	0.5	<2	11.4	0.5	5	16	12	1.56
CC107339		0.26	0.003	0.2	1.03	13	<10	280	<0.5	<2	10.4	<0.5	6	18	16	1.78
CC107340		0.26	0.008	0.3	0.87	17	<10	300	<0.5	2	12.0	1.3	5	14	21	1.77

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CERTIFICATE OF ANALYSIS VA10111434

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC107301		<10	<1	0.05	10	4.76	628	2	0.03	37	470	11	0.06	2	2	65
CC107302		<10	<1	0.01	10	10.70	484	3	0.02	28	200	13	<0.01	14	1	148
CC107303		<10	<1	0.03	10	7.96	772	1	0.02	27	460	15	0.03	5	2	106
CC107304		<10	1	0.06	10	0.66	460	4	0.03	53	920	33	0.09	5	2	40
CC107305		<10	<1	0.07	10	1.88	539	3	0.03	54	830	28	0.09	7	2	48
CC107306		<10	1	0.07	20	3.05	542	3	0.03	66	1050	58	0.06	14	2	50
CC107307		<10	<1	0.04	10	11.45	420	2	0.02	12	170	2	0.01	4	1	70
CC107308		<10	1	0.06	10	2.15	432	2	0.03	39	810	14	0.08	4	2	41
CC107309		<10	1	0.10	10	0.79	589	7	0.04	61	1070	24	0.04	2	4	33
CC107310		10	<1	0.08	10	0.75	443	4	0.03	60	840	18	0.05	2	2	30
CC107311		<10	<1	0.08	10	0.81	519	4	0.03	106	900	22	0.06	2	3	33
CC107312		<10	<1	0.19	20	2.02	1255	7	0.05	62	1250	25	0.07	3	4	47
CC107313		10	1	0.12	20	0.97	399	8	0.04	59	1040	23	0.05	2	4	41
CC107314		10	<1	0.19	10	1.13	445	7	0.05	69	1020	17	0.04	<2	4	38
CC107315		10	<1	0.15	10	0.97	458	7	0.05	71	970	21	0.06	2	4	45
CC107316		<10	<1	0.11	10	0.76	507	4	0.05	79	840	15	0.11	2	2	62
CC107317		<10	<1	0.06	10	0.57	174	1	0.03	28	870	34	0.05	<2	2	30
CC107318		<10	<1	0.05	10	1.37	297	1	0.04	20	830	26	0.03	<2	2	43
CC107319		<10	<1	0.13	20	1.55	843	4	0.03	60	970	46	0.08	2	3	38
CC107320		<10	<1	0.17	20	2.36	888	3	0.04	43	890	36	0.02	3	4	48
CC107321		<10	1	0.16	20	2.47	466	3	0.04	48	820	45	0.02	<2	3	45
CC107322		<10	1	0.13	20	4.25	490	4	0.03	40	690	36	0.02	2	3	60
CC107323		<10	1	0.17	20	3.11	606	2	0.03	37	800	41	0.03	<2	4	47
CC107324		<10	<1	0.09	10	0.66	758	3	0.02	28	1020	44	0.05	2	2	27
CC107325		<10	<1	0.10	10	0.74	353	2	0.03	30	1050	49	0.06	2	3	32
CC107326		<10	<1	0.07	10	6.96	372	1	0.02	17	490	20	0.02	<2	2	70
CC107327		<10	<1	0.10	20	2.77	411	4	0.04	34	790	52	0.03	2	3	41
CC107328		<10	<1	0.11	10	11.25	212	1	0.02	6	150	<2	0.01	<2	1	79
CC107329		<10	<1	0.06	20	7.54	436	<1	0.02	16	380	11	0.01	<2	3	72
CC107330		<10	1	0.08	20	0.74	498	2	0.03	34	310	28	0.01	3	4	17
CC107331		<10	<1	0.06	10	6.56	289	1	0.03	20	330	13	0.01	<2	2	51
CC107332		10	<1	0.69	10	7.07	551	1	0.03	42	220	20	0.02	<2	6	28
CC107333		<10	1	0.16	<10	11.00	84	3	0.02	18	140	<2	<0.01	<2	1	105
CC107334		<10	<1	0.05	10	8.32	327	2	0.02	29	460	8	0.02	2	2	72
CC107335		<10	<1	0.06	10	7.44	403	2	0.03	32	410	10	0.01	<2	2	53
CC107336		<10	<1	0.02	10	11.25	141	<1	0.02	9	170	<2	<0.01	<2	1	63
CC107337		<10	<1	0.05	10	8.56	253	1	0.01	18	380	3	0.02	<2	1	68
CC107338		<10	<1	0.06	10	7.12	398	1	0.02	26	520	10	0.02	<2	2	59
CC107339		<10	<1	0.06	10	6.39	420	2	0.02	24	590	9	0.02	<2	2	63
CC107340		<10	<1	0.05	10	7.18	389	3	0.02	22	530	11	0.03	<2	1	63

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CERTIFICATE OF ANALYSIS VA10111434

Sample Description	Method Analyte Units LOR	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2
CC107301		<20	0.03	<10	<10	75	<10	120
CC107302		<20	0.01	<10	10	45	<10	128
CC107303		<20	0.02	<10	<10	82	<10	119
CC107304		<20	0.03	<10	<10	92	<10	255
CC107305		<20	0.02	<10	10	82	<10	254
CC107306		<20	0.03	<10	<10	116	<10	752
CC107307		<20	0.01	<10	<10	15	<10	78
CC107308		<20	0.03	<10	10	47	<10	283
CC107309		<20	0.06	<10	<10	70	<10	230
CC107310		<20	0.05	<10	<10	60	<10	270
CC107311		<20	0.04	<10	<10	66	<10	522
CC107312		<20	0.06	<10	<10	79	<10	254
CC107313		<20	0.06	<10	<10	97	<10	258
CC107314		<20	0.08	<10	<10	100	<10	286
CC107315		<20	0.07	<10	<10	99	<10	376
CC107316		<20	0.05	<10	10	80	<10	394
CC107317		<20	0.02	<10	<10	37	<10	250
CC107318		<20	0.02	<10	<10	27	<10	162
CC107319		<20	0.03	<10	<10	47	10	595
CC107320		<20	0.04	<10	<10	50	<10	299
CC107321		<20	0.03	<10	<10	46	<10	574
CC107322		<20	0.03	<10	<10	37	10	621
CC107323		<20	0.03	<10	<10	48	<10	254
CC107324		<20	0.02	<10	<10	54	<10	203
CC107325		<20	0.02	<10	<10	60	<10	201
CC107326		<20	0.02	<10	<10	31	<10	121
CC107327		<20	0.04	<10	<10	55	<10	207
CC107328		<20	0.03	<10	10	12	<10	31
CC107329		<20	0.04	<10	<10	31	<10	83
CC107330		<20	0.05	<10	<10	59	<10	119
CC107331		<20	0.04	<10	<10	29	<10	69
CC107332		<20	0.12	<10	<10	55	<10	128
CC107333		<20	0.01	<10	<10	5	<10	19
CC107334		<20	0.03	<10	<10	35	<10	142
CC107335		<20	0.03	<10	<10	41	<10	109
CC107336		<20	0.01	<10	<10	9	<10	26
CC107337		<20	0.02	<10	<10	20	<10	88
CC107338		<20	0.02	<10	<10	32	<10	131
CC107339		<20	0.03	<10	<10	38	<10	90
CC107340		<20	0.02	<10	<10	28	<10	268

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Sample Description	Method	WEI- 21	Au- ICP21	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC107341		0.26	0.004	0.2	1.50	25	<10	480	0.6	2	5.98	1.5	8	27	31	2.45
CC107342		0.26	0.005	0.6	1.55	31	<10	630	0.7	<2	1.39	2.4	10	31	54	3.04
CC107343		0.24	0.027	0.6	1.44	39	<10	420	0.6	4	4.26	3.3	9	31	49	2.96
CC107344		0.26	0.167	<0.2	0.88	28	<10	170	<0.5	<2	11.7	1.9	6	19	19	1.82
CC107345		0.26	0.005	0.3	2.06	28	<10	280	0.9	<2	0.33	4.8	19	40	50	3.75
CC107346		0.26	0.006	0.3	2.69	39	<10	320	1.6	2	0.47	6.9	41	29	92	4.37
CC107347		0.24	0.003	0.4	1.63	21	<10	330	0.6	<2	1.35	9.7	15	40	54	3.03
CC107348		0.26	0.002	0.4	1.48	17	<10	330	0.5	<2	0.97	6.1	13	44	38	2.86
CC107349		0.30	0.007	0.3	1.76	22	<10	340	0.5	<2	0.67	0.9	16	53	36	3.44
CC107350		0.26	0.004	0.4	1.71	23	<10	430	0.6	<2	1.03	1.7	15	48	63	3.35
CC107351		0.16	0.007	0.2	1.78	13	<10	390	0.6	<2	1.86	1.2	13	48	43	2.70
CC107352		0.16	0.003	0.2	2.00	13	<10	270	0.7	<2	1.50	0.7	16	52	49	3.17
CC107353		0.20	0.006	0.3	2.37	15	<10	330	0.7	<2	0.99	1.6	14	60	47	3.05
CC107354		0.22	0.008	0.3	2.82	18	<10	310	0.9	<2	0.56	0.7	24	62	153	4.45
CC107355		0.22	0.005	0.5	2.63	21	<10	350	1.0	<2	0.98	7.9	18	58	54	3.84
CC107356		0.20	0.005	0.3	1.71	20	<10	330	0.6	<2	1.34	6.6	13	47	51	3.02
CC107357		0.18	0.005	0.5	1.54	18	<10	390	0.5	<2	1.12	9.3	15	48	46	3.23
CC107358		0.28	0.007	0.3	1.39	19	<10	370	<0.5	<2	1.03	6.9	12	48	47	2.81
CC107359		0.24	0.010	0.4	2.17	45	<10	200	0.8	<2	0.13	2.5	17	29	58	3.92
CC107360		0.20	0.004	0.4	3.09	28	<10	320	1.2	<2	0.18	2.2	18	49	58	3.83
CC107361		0.28	0.057	0.2	1.00	58	<10	240	<0.5	18	9.9	2.2	7	24	32	2.48
CC107362		0.24	0.005	0.6	1.70	31	<10	510	0.7	<2	2.98	2.0	9	32	56	3.14
CC107363		0.22	0.010	0.2	1.41	20	<10	420	0.5	<2	5.34	1.4	9	26	32	2.54
CC107364		0.28	0.008	0.2	1.52	23	<10	380	0.6	<2	2.04	1.2	12	35	39	3.16
CC107365		0.26	0.002	<0.2	1.20	14	<10	280	<0.5	<2	8.7	1.1	7	21	22	1.98
CC107366		0.24	0.007	0.2	1.47	17	<10	250	0.6	<2	8.3	0.7	8	28	26	2.30
CC107367		0.20	0.003	<0.2	1.58	13	<10	400	0.6	<2	4.32	1.0	8	26	19	2.30
CC107368		0.22	0.002	<0.2	1.87	19	<10	340	0.7	<2	0.61	<0.5	11	34	26	3.26
CC107369		0.28	0.005	<0.2	0.50	3	<10	420	<0.5	<2	17.8	<0.5	1	7	3	0.54
CC107370		0.20	0.006	0.3	1.85	70	<10	390	1.0	<2	4.23	1.2	9	29	35	2.76
CC107371		0.24	0.001	<0.2	0.66	8	<10	60	<0.5	<2	17.3	<0.5	2	10	5	0.77
CC107372		0.22	0.001	<0.2	1.35	3	<10	70	<0.5	<2	16.2	<0.5	2	13	3	0.74
CC107373		0.18	0.004	0.6	1.70	19	<10	530	0.8	<2	1.67	3.4	8	29	38	2.61
CC107374		0.30	0.001	<0.2	0.82	2	<10	150	<0.5	<2	18.2	<0.5	2	9	4	0.78
CC107375		0.28	0.002	<0.2	0.46	5	<10	40	<0.5	<2	18.3	<0.5	1	6	6	0.48
CC107376		0.26	0.007	<0.2	0.73	15	<10	70	<0.5	<2	16.3	<0.5	2	9	6	0.73
CC107377		0.20	0.006	0.5	1.92	24	<10	310	0.6	<2	1.40	1.4	14	56	46	3.59
CC107378		0.16	<0.001	0.2	0.94	11	<10	420	<0.5	<2	3.39	1.7	8	29	25	2.35
CC107379		0.22	0.012	0.5	1.77	21	<10	410	0.6	<2	1.88	4.0	15	51	55	3.25
CC107380		0.20	0.004	0.6	1.60	20	<10	390	0.5	<2	1.50	7.3	13	46	54	3.18

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 26- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10111434

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC107341		<10	<1	0.09	10	4.17	557	3	0.03	44	700	15	0.03	3	3	44
CC107342		<10	<1	0.09	10	0.79	654	5	0.02	55	920	30	0.05	4	3	34
CC107343		<10	<1	0.09	10	2.61	613	3	0.03	61	1030	41	0.06	13	2	44
CC107344		<10	<1	0.06	10	7.18	630	4	0.03	35	510	9	0.01	4	2	60
CC107345		<10	<1	0.13	20	0.78	647	5	0.02	215	1100	23	0.03	2	5	23
CC107346		<10	<1	0.14	10	0.54	803	11	0.04	206	1170	19	0.18	<2	4	37
CC107347		<10	<1	0.11	10	0.75	615	5	0.03	107	1030	20	0.09	2	3	41
CC107348		<10	<1	0.10	10	0.85	523	5	0.04	77	950	19	0.06	2	3	35
CC107349		10	<1	0.14	10	1.07	487	6	0.04	52	1170	19	0.02	2	4	34
CC107350		10	<1	0.11	10	0.81	869	6	0.03	67	910	19	0.05	2	4	40
CC107351		10	<1	0.12	10	0.95	498	4	0.06	52	870	13	0.09	<2	3	52
CC107352		10	<1	0.11	10	1.11	579	7	0.06	68	860	13	0.08	<2	4	46
CC107353		10	<1	0.12	10	1.22	330	5	0.04	57	950	18	0.08	<2	4	43
CC107354		10	<1	0.18	10	1.35	456	9	0.04	90	1510	18	0.05	<2	5	36
CC107355		10	<1	0.21	20	1.26	483	9	0.07	90	1120	20	0.09	2	5	54
CC107356		<10	<1	0.18	10	0.92	491	11	0.04	81	980	24	0.05	4	3	54
CC107357		<10	<1	0.11	10	0.93	631	5	0.04	97	990	24	0.06	2	3	37
CC107358		<10	<1	0.09	10	0.76	203	3	0.03	80	940	20	0.09	2	3	34
CC107359		<10	<1	0.13	10	0.40	279	12	0.03	104	1060	17	0.14	2	3	35
CC107360		<10	<1	0.09	10	0.68	462	5	0.02	102	630	24	0.03	<2	5	16
CC107361		<10	<1	0.07	10	6.18	739	5	0.03	36	630	10	0.07	5	2	52
CC107362		<10	<1	0.10	10	1.94	386	5	0.03	57	950	26	0.05	4	3	42
CC107363		<10	<1	0.09	10	3.11	508	2	0.03	32	850	16	0.07	2	2	41
CC107364		<10	<1	0.10	10	1.38	596	4	0.04	49	1090	21	0.05	2	3	36
CC107365		<10	1	0.07	10	5.29	409	3	0.03	32	570	11	0.05	2	2	49
CC107366		<10	<1	0.08	10	5.51	408	2	0.03	38	650	17	0.03	<2	3	47
CC107367		<10	<1	0.08	10	2.41	541	2	0.03	30	820	12	0.07	<2	2	29
CC107368		<10	<1	0.09	10	0.79	540	5	0.01	40	560	27	0.03	<2	3	16
CC107369		<10	<1	0.04	10	11.15	132	1	0.01	8	170	2	<0.01	<2	1	71
CC107370		<10	<1	0.10	10	3.30	773	9	0.02	110	840	30	0.07	<2	3	27
CC107371		<10	<1	0.03	10	10.80	251	1	0.01	15	270	4	0.04	<2	1	89
CC107372		<10	<1	0.09	10	11.25	267	<1	0.01	7	190	2	0.05	<2	1	102
CC107373		<10	<1	0.10	10	1.29	642	3	0.01	37	960	45	0.07	2	2	28
CC107374		<10	<1	0.21	10	10.40	156	<1	0.01	8	140	2	<0.01	<2	1	123
CC107375		<10	<1	0.10	10	10.80	184	<1	0.01	6	130	3	<0.01	<2	1	116
CC107376		<10	<1	0.15	10	10.60	243	<1	0.01	9	200	2	<0.01	<2	1	92
CC107377		10	<1	0.19	10	1.16	241	8	0.04	61	1020	27	0.09	<2	4	48
CC107378		<10	<1	0.07	10	0.68	241	2	0.02	29	740	14	0.19	<2	2	69
CC107379		10	<1	0.16	10	1.08	856	5	0.03	79	930	26	0.08	<2	3	48
CC107380		10	<1	0.12	10	0.87	444	6	0.03	79	1010	24	0.12	<2	3	43

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CERTIFICATE OF ANALYSIS VA10111434

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC107341		<20	0.04	<10	<10	58	<10	229
CC107342		<20	0.03	<10	<10	92	<10	281
CC107343		<20	0.04	<10	<10	95	<10	582
CC107344		<20	0.03	<10	<10	34	10	374
CC107345		<20	0.06	<10	<10	95	<10	786
CC107346		<20	0.04	<10	10	60	10	801
CC107347		<20	0.04	<10	<10	74	<10	467
CC107348		<20	0.05	<10	<10	77	<10	357
CC107349		<20	0.09	<10	<10	85	<10	183
CC107350		<20	0.05	<10	<10	92	<10	153
CC107351		<20	0.07	<10	<10	96	<10	140
CC107352		<20	0.08	<10	<10	172	<10	142
CC107353		<20	0.08	<10	<10	122	<10	188
CC107354		<20	0.11	<10	10	202	<10	158
CC107355		<20	0.10	<10	<10	128	<10	438
CC107356		<20	0.07	<10	<10	144	<10	400
CC107357		<20	0.05	<10	<10	76	<10	507
CC107358		<20	0.05	<10	<10	64	<10	402
CC107359		<20	0.04	<10	<10	79	<10	260
CC107360		<20	0.05	<10	<10	92	<10	218
CC107361		<20	0.04	<10	<10	42	10	275
CC107362		<20	0.04	<10	<10	85	<10	315
CC107363		<20	0.03	<10	<10	50	<10	192
CC107364		<20	0.05	<10	<10	67	<10	155
CC107365		<20	0.03	<10	<10	40	<10	207
CC107366		<20	0.04	<10	<10	49	<10	128
CC107367		<20	0.03	<10	<10	48	<10	139
CC107368		<20	0.04	<10	<10	64	<10	128
CC107369		<20	0.01	<10	<10	12	<10	21
CC107370		<20	0.04	<10	<10	51	<10	241
CC107371		<20	0.02	<10	<10	16	<10	39
CC107372		<20	0.04	<10	<10	15	<10	37
CC107373		<20	0.04	<10	<10	65	<10	320
CC107374		<20	0.03	<10	<10	10	<10	25
CC107375		<20	0.01	<10	<10	9	<10	26
CC107376		<20	0.02	<10	<10	11	<10	28
CC107377		<20	0.07	<10	<10	96	<10	229
CC107378		<20	0.03	<10	10	49	<10	70
CC107379		<20	0.05	<10	<10	88	<10	256
CC107380		<20	0.05	<10	<10	78	<10	376

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CERTIFICATE OF ANALYSIS VA10111434

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC107381		0.20	0.002	0.3	1.38	18	<10	430	0.5	<2	1.40	7.8	14	42	44	2.98
CC107382		0.22	0.004	0.3	1.38	17	<10	410	<0.5	<2	1.07	8.8	16	40	44	2.67
CC107383		0.26	0.002	0.3	2.85	36	<10	290	1.4	<2	0.38	11.9	28	35	110	3.87
CC107384		0.28	0.005	0.5	2.00	28	<10	480	1.0	2	0.87	22.1	32	41	83	3.54
CC107385		0.14	0.011	0.4	1.26	33	<10	340	0.5	6	6.11	4.3	9	29	40	2.53
CC107386		0.24	0.003	0.3	1.83	22	<10	400	0.7	<2	3.73	1.4	10	33	33	2.91
CC107387		0.24	<0.001	0.2	1.22	18	<10	240	<0.5	<2	9.0	0.8	7	23	30	2.17
CC107388		0.24	0.004	0.2	1.17	13	<10	250	<0.5	<2	12.8	0.6	4	17	20	1.38
CC107389		0.26	0.002	0.3	1.48	17	<10	490	0.5	<2	6.39	1.1	7	23	26	2.23
CC107390		0.22	<0.001	0.2	1.10	10	<10	160	<0.5	<2	12.0	<0.5	4	16	13	1.32
CC107391		0.22	0.021	0.2	1.90	24	<10	290	0.6	<2	3.26	0.8	9	31	31	3.07
CC107392		0.34	<0.001	<0.2	0.93	5	<10	90	<0.5	<2	17.2	<0.5	2	9	2	0.57
CC107393		0.30	<0.001	<0.2	1.14	9	<10	160	<0.5	<2	11.4	<0.5	5	18	13	1.56
CC107394		0.22	<0.001	<0.2	0.98	4	<10	50	<0.5	<2	16.0	0.5	3	12	4	0.78
CC107395		0.26	0.001	0.3	2.16	18	<10	210	0.6	<2	4.53	0.9	10	33	25	2.81
CC107396		0.20	<0.001	0.3	2.20	15	<10	280	0.8	2	4.81	1.6	8	30	27	2.42
CC107397		0.30	<0.001	0.2	0.67	2	<10	60	<0.5	<2	19.8	<0.5	1	6	9	0.49
CC107398		0.24	<0.001	0.2	2.07	8	<10	110	0.5	<2	11.0	0.5	6	25	19	1.78
CC107399		0.34	0.010	0.2	1.62	17	<10	140	0.5	<2	10.0	<0.5	6	23	22	1.89
CC107400		0.34	0.002	0.5	1.12	28	<10	210	0.6	<2	10.4	2.9	5	17	63	1.99
CC108001		0.32	0.005	0.4	1.44	25	<10	240	0.7	<2	4.32	1.0	10	26	51	2.88
CC108002		0.28	0.001	0.3	1.14	21	<10	180	0.7	<2	10.2	0.6	6	19	33	1.92
CC108003		0.26	0.004	0.3	1.70	24	<10	320	0.8	<2	2.31	1.1	10	29	36	2.95
CC108004		0.24	0.027	<0.2	1.26	32	<10	280	0.7	<2	7.9	1.1	8	22	33	2.23
CC108005		0.38	0.003	0.4	1.40	34	<10	300	0.7	3	5.62	1.7	10	24	48	2.89
CC108006		0.30	0.002	0.6	1.97	33	<10	470	1.0	<2	0.70	2.0	14	37	57	4.07
CC108007		0.18	0.004	0.5	1.83	22	<10	630	0.9	2	1.60	1.8	13	33	40	3.54
CC108008		0.24	0.003	0.7	1.84	27	<10	500	0.8	<2	1.09	2.8	16	34	44	3.62
CC108009		0.34	<0.001	0.5	1.57	25	<10	370	0.7	3	2.59	1.8	11	30	42	3.18
CC108010		0.26	<0.001	0.3	1.15	9	<10	390	0.5	<2	1.51	4.9	6	22	25	1.70
CC108011		0.22	0.010	0.4	1.10	15	<10	450	0.5	<2	2.17	1.2	7	22	28	2.41
CC108012		0.28	<0.001	0.4	1.08	11	<10	350	0.5	<2	3.20	1.3	7	22	26	2.17
CC108013		0.26	0.005	0.7	1.42	21	<10	450	0.7	3	0.84	1.7	9	30	35	2.99
CC108014		0.20	0.002	0.4	1.21	11	<10	310	0.5	2	0.65	2.1	7	23	15	2.19
CC108015		0.30	0.001	0.7	1.12	17	<10	580	0.5	2	1.45	14.7	9	21	41	1.83
CC108016		0.26	0.001	0.8	1.77	23	<10	450	0.9	<2	0.54	1.6	13	32	35	3.52
CC108017		0.22	0.002	0.7	1.51	20	<10	590	0.7	2	1.51	3.0	11	27	37	2.62
CC108018		0.30	0.004	0.4	2.03	31	<10	520	1.0	2	1.22	2.1	13	34	53	3.93
CC108019		0.28	0.003	1.3	1.79	29	<10	420	0.9	2	1.34	2.3	13	33	51	3.68
CC108020		0.30	0.007	0.4	1.72	23	<10	450	0.8	3	0.77	1.2	11	31	35	3.27

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CERTIFICATE OF ANALYSIS VA10111434

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC107381		<10	<1	0.11	10	0.95	801	5	0.03	81	980	24	0.08	<2	3	37
CC107382		<10	<1	0.09	10	0.77	220	4	0.02	86	960	21	0.09	<2	3	34
CC107383		<10	<1	0.17	10	0.70	511	10	0.02	186	1070	29	0.08	<2	4	34
CC107384		10	<1	0.13	10	0.83	498	12	0.02	255	1130	32	0.07	<2	4	39
CC107385		<10	<1	0.09	10	3.65	510	4	0.02	51	810	13	0.10	2	2	50
CC107386		10	<1	0.10	10	2.72	563	3	0.02	41	780	17	0.07	<2	3	36
CC107387		<10	<1	0.10	10	5.73	469	2	0.02	32	680	16	0.05	<2	3	54
CC107388		<10	<1	0.07	10	8.29	251	2	0.02	21	450	8	0.08	<2	2	57
CC107389		<10	<1	0.08	10	4.39	468	2	0.01	27	690	15	0.06	<2	2	31
CC107390		<10	<1	0.05	10	7.76	245	1	0.01	16	360	9	0.05	<2	2	38
CC107391		<10	<1	0.10	10	2.62	499	3	0.02	38	660	24	0.06	<2	3	24
CC107392		<10	<1	0.14	10	11.10	94	1	0.01	8	140	2	<0.01	<2	1	67
CC107393		<10	<1	0.06	10	7.22	296	1	0.02	18	380	7	0.03	<2	2	77
CC107394		<10	<1	0.17	10	10.95	345	1	0.01	10	180	3	0.03	<2	2	92
CC107395		10	<1	0.10	10	4.38	650	1	0.02	34	600	16	0.03	<2	4	39
CC107396		<10	<1	0.11	10	4.60	545	2	0.01	31	630	28	0.03	<2	3	41
CC107397		<10	<1	0.28	10	10.40	118	<1	0.01	11	70	<2	<0.01	<2	1	155
CC107398		<10	<1	0.13	10	8.89	345	<1	0.01	20	370	12	0.04	<2	3	66
CC107399		<10	<1	0.09	10	7.22	367	1	0.01	23	420	12	0.02	<2	3	67
CC107400		<10	<1	0.12	10	6.24	428	2	0.01	31	560	26	0.03	<2	2	77
CC108001		<10	<1	0.13	10	3.35	533	2	0.01	39	880	27	0.02	<2	4	42
CC108002		<10	<1	0.15	10	6.49	410	2	0.01	26	470	21	0.04	<2	3	62
CC108003		<10	<1	0.14	10	1.93	621	2	0.01	34	790	29	0.06	<2	3	29
CC108004		<10	<1	0.11	20	5.46	686	2	0.02	29	610	23	0.02	<2	2	57
CC108005		<10	<1	0.16	20	3.85	583	3	0.03	35	820	33	0.02	2	3	50
CC108006		<10	<1	0.19	20	1.03	875	3	0.02	55	1040	48	0.01	<2	5	28
CC108007		<10	<1	0.15	20	0.99	1110	2	0.03	38	1090	37	0.05	2	3	30
CC108008		<10	<1	0.17	20	1.00	1550	3	0.03	52	1070	38	0.03	2	4	31
CC108009		<10	<1	0.14	20	1.82	648	2	0.03	39	980	42	0.02	<2	4	38
CC108010		<10	<1	0.07	10	0.97	151	2	0.03	27	920	31	0.07	<2	2	30
CC108011		<10	<1	0.08	10	1.00	1515	4	0.03	26	880	36	0.05	2	2	35
CC108012		<10	<1	0.08	10	1.19	367	3	0.03	28	760	34	0.02	<2	2	39
CC108013		<10	<1	0.08	20	0.54	454	4	0.02	35	950	40	0.04	<2	3	28
CC108014		<10	<1	0.06	10	0.46	524	2	0.03	26	960	30	0.04	<2	2	27
CC108015		<10	<1	0.07	10	0.95	144	4	0.03	39	920	42	0.09	<2	2	32
CC108016		<10	<1	0.12	20	0.72	649	3	0.03	42	990	45	0.01	<2	4	25
CC108017		<10	<1	0.11	20	0.80	364	2	0.03	38	970	37	0.08	<2	3	32
CC108018		<10	<1	0.19	20	1.22	780	3	0.03	52	1040	55	0.01	2	5	33
CC108019		<10	<1	0.17	20	1.36	880	3	0.03	52	980	46	0.01	<2	5	33
CC108020		<10	<1	0.10	20	0.81	683	2	0.02	34	920	31	0.02	<2	4	24

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Finalized Date: 26- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10111434

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC107381		<20	0.05	<10	<10	77	<10	323
CC107382		<20	0.05	<10	<10	69	<10	383
CC107383		<20	0.05	<10	<10	86	<10	600
CC107384		<20	0.05	<10	10	96	10	1170
CC107385		<20	0.03	<10	<10	48	<10	367
CC107386		<20	0.04	<10	<10	58	<10	300
CC107387		<20	0.04	<10	<10	48	<10	124
CC107388		<20	0.04	<10	<10	30	<10	72
CC107389		<20	0.03	<10	<10	42	<10	114
CC107390		<20	0.03	<10	<10	26	<10	66
CC107391		<20	0.04	<10	<10	59	<10	184
CC107392		<20	0.02	<10	<10	11	<10	15
CC107393		<20	0.03	<10	<10	32	<10	54
CC107394		<20	0.03	<10	<10	17	<10	42
CC107395		<20	0.07	<10	<10	56	<10	123
CC107396		<20	0.06	<10	<10	52	<10	190
CC107397		<20	0.03	<10	<10	6	<10	10
CC107398		<20	0.07	<10	<10	33	<10	82
CC107399		<20	0.05	<10	<10	36	<10	85
CC107400		<20	0.03	<10	<10	35	<10	181
CC108001		<20	0.04	<10	<10	49	10	165
CC108002		<20	0.03	<10	<10	35	10	111
CC108003		<20	0.04	<10	<10	53	10	165
CC108004		<20	0.03	<10	<10	37	10	147
CC108005		<20	0.03	<10	<10	54	10	197
CC108006		<20	0.03	<10	<10	65	<10	264
CC108007		<20	0.02	<10	<10	59	<10	211
CC108008		<20	0.04	<10	<10	62	<10	227
CC108009		<20	0.04	<10	<10	52	10	227
CC108010		<20	0.02	<10	<10	32	<10	269
CC108011		<20	0.02	<10	<10	34	<10	201
CC108012		<20	0.02	<10	<10	34	<10	200
CC108013		<20	0.03	<10	<10	46	<10	249
CC108014		<20	0.02	<10	<10	31	<10	201
CC108015		<20	0.02	<10	<10	41	<10	425
CC108016		<20	0.03	<10	<10	56	<10	256
CC108017		<20	0.03	<10	<10	47	<10	274
CC108018		<20	0.03	<10	<10	63	<10	299
CC108019		<20	0.04	<10	<10	57	<10	266
CC108020		<20	0.03	<10	<10	57	<10	154

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Finalized Date: 26- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10111434

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC108021		0.32	0.008	0.8	1.69	25	<10	440	0.8	2	0.48	1.5	12	31	30	3.24
CC108022		0.30	<0.001	0.4	1.39	21	<10	250	0.9	<2	8.8	0.9	7	20	35	2.09
CC108023		0.24	0.005	0.3	1.52	29	<10	350	0.7	2	2.65	1.5	10	28	38	2.74
CC108024		0.24	0.010	<0.2	0.91	21	<10	100	<0.5	<2	13.4	0.7	4	13	13	1.08
CC107609		0.22	<0.001	0.4	1.10	16	<10	180	<0.5	<2	4.88	0.6	9	21	28	2.57
CC107610		0.20	0.025	0.4	1.20	21	<10	250	0.5	2	3.96	0.7	9	24	27	2.86
CC107611		0.16	0.003	0.2	1.35	20	<10	380	0.5	2	1.90	0.8	9	25	33	2.96
CC107612		0.24	0.004	0.3	1.09	27	<10	220	<0.5	<2	5.70	0.9	7	19	29	2.34
CC107613		0.16	0.011	0.5	1.35	39	<10	270	0.6	4	1.57	0.8	9	25	43	2.99
CC107614		0.20	0.003	<0.2	1.26	26	<10	270	0.5	2	1.54	0.8	8	24	25	2.80
CC107615		0.18	0.005	0.5	1.34	19	<10	230	0.6	2	1.27	1.0	10	25	21	2.88
CC107616		0.16	0.002	0.5	1.37	22	<10	250	0.5	2	1.38	0.9	9	26	24	2.92
CC107617		0.20	0.002	0.5	1.27	19	<10	230	0.5	<2	0.99	0.7	9	25	21	2.82
CC107618		0.14	0.007	0.4	1.33	21	<10	210	0.5	2	1.65	1.0	9	24	21	2.62
CC107619		0.20	0.002	0.7	1.19	17	<10	200	0.5	<2	4.09	0.8	7	22	20	2.36
CC107620		0.22	0.003	0.3	0.79	29	<10	110	<0.5	<2	8.4	0.5	4	14	14	1.68
CC107621		0.18	0.004	0.2	0.70	37	<10	90	<0.5	<2	10.3	1.1	5	25	23	1.56
CC107622		0.12	0.001	0.6	1.29	33	<10	190	0.5	<2	1.47	1.8	8	23	18	2.76
CC107623		0.16	0.004	0.4	1.09	31	<10	180	<0.5	2	4.80	1.1	6	18	22	2.14
CC107624		0.24	0.008	0.4	0.98	26	<10	140	<0.5	<2	5.67	0.8	6	19	22	2.19
CC107625		0.18	0.006	0.5	1.15	32	<10	180	<0.5	<2	2.69	1.1	7	20	20	2.34
CC107626		0.18	0.010	0.3	0.89	25	<10	130	<0.5	<2	10.0	0.5	5	14	11	1.60
CC107627		0.14	0.004	0.2	1.43	22	<10	180	0.6	<2	2.96	0.8	9	24	22	2.86
CC107628		0.14	0.003	0.2	1.24	21	<10	160	0.5	<2	5.38	1.4	6	18	14	2.22
CC107629		0.20	0.002	0.2	0.14	12	<10	70	<0.5	<2	10.5	2.1	1	2	5	0.45

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Finalized Date: 26- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10111434

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC108021		<10	<1	0.09	20	0.81	681	3	0.02	30	940	35	0.02	<2	3	22
CC108022		<10	<1	0.16	20	6.40	477	2	0.02	26	600	33	0.01	2	3	62
CC108023		<10	<1	0.09	20	2.33	498	2	0.03	34	890	38	0.02	2	3	30
CC108024		<10	<1	0.04	10	9.47	339	<1	0.02	11	480	9	0.01	<2	1	71
CC107609		<10	<1	0.10	20	3.08	570	1	0.02	25	840	25	0.01	<2	3	41
CC107610		<10	1	0.11	20	2.51	582	1	0.02	26	820	29	0.02	<2	3	32
CC107611		<10	<1	0.13	10	1.03	541	1	0.03	28	870	27	0.05	<2	3	24
CC107612		<10	<1	0.08	10	3.58	748	<1	0.02	21	820	26	0.02	<2	3	30
CC107613		<10	<1	0.09	20	0.86	630	<1	0.02	26	1120	47	0.05	4	3	22
CC107614		<10	<1	0.08	10	0.79	629	1	0.02	24	1140	41	0.06	<2	2	20
CC107615		10	<1	0.08	10	0.69	787	1	0.02	23	1120	35	0.05	2	2	19
CC107616		<10	<1	0.09	10	0.69	622	1	0.02	24	1160	32	0.06	<2	2	19
CC107617		<10	<1	0.08	10	0.56	610	1	0.02	25	960	32	0.05	2	2	18
CC107618		<10	<1	0.07	10	0.62	772	1	0.02	20	1170	29	0.08	2	2	17
CC107619		<10	<1	0.07	10	2.34	538	1	0.02	18	1140	24	0.05	<2	2	26
CC107620		<10	<1	0.05	10	5.48	383	<1	0.02	13	720	44	0.01	<2	2	26
CC107621		<10	1	0.04	10	6.67	451	<1	0.02	14	770	97	0.02	6	1	24
CC107622		10	<1	0.06	10	0.58	964	<1	0.02	17	900	40	0.06	<2	2	15
CC107623		<10	<1	0.06	10	2.57	643	<1	0.02	14	880	29	0.06	2	2	22
CC107624		<10	<1	0.07	10	3.70	473	1	0.02	24	850	24	0.03	2	2	30
CC107625		<10	<1	0.06	10	1.25	673	<1	0.02	18	830	35	0.05	2	2	19
CC107626		<10	1	0.05	10	6.08	476	<1	0.02	11	770	11	0.02	2	1	25
CC107627		<10	<1	0.10	10	1.85	801	<1	0.02	23	640	30	0.04	<2	3	21
CC107628		<10	<1	0.06	10	3.48	774	<1	0.02	14	670	23	0.04	2	2	20
CC107629		<10	<1	0.01	<10	6.24	665	<1	0.01	3	410	4	0.02	<2	<1	18

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Finalized Date: 26- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10111434

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC108021		<20	0.03	<10	<10	58	<10	157
CC108022		<20	0.03	<10	<10	40	10	163
CC108023		<20	0.04	<10	<10	52	10	189
CC108024		<20	0.03	<10	<10	18	<10	59
CC107609		<20	0.02	<10	<10	34	<10	137
CC107610		<20	0.02	<10	<10	37	<10	156
CC107611		<20	0.02	<10	<10	41	<10	185
CC107612		<20	0.02	<10	<10	35	<10	202
CC107613		<20	0.02	<10	<10	44	<10	268
CC107614		<20	0.02	<10	<10	42	<10	205
CC107615		<20	0.02	<10	<10	44	<10	200
CC107616		<20	0.02	<10	<10	45	<10	188
CC107617		<20	0.02	<10	<10	43	<10	168
CC107618		<20	0.02	<10	<10	43	<10	170
CC107619		<20	0.02	<10	<10	39	<10	144
CC107620		<20	0.02	<10	<10	26	<10	175
CC107621		<20	0.02	<10	<10	25	<10	270
CC107622		<20	0.02	<10	<10	43	<10	226
CC107623		<20	0.02	<10	<10	36	<10	217
CC107624		<20	0.02	<10	<10	37	<10	156
CC107625		<20	0.02	<10	<10	41	<10	232
CC107626		<20	0.02	<10	<10	27	<10	178
CC107627		<20	0.02	<10	<10	43	<10	175
CC107628		<20	0.02	<10	<10	37	<10	270
CC107629		<20	<0.01	<10	<10	7	<10	225

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1016- 510 W HASTINGS ST
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Finalized Date: 26- AUG- 2010
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CERTIFICATE VA10111436

Project: RAU (OCELOT)

P.O. No.: BATCH 4

This report is for 7 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 12- AUG- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% < 2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS VA10111436

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 5	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
G285458		4.24	0.06	0.11	6.50	136	3550	4.33	7.20	10.55	0.08	11.10	30.2	255	1.30	9.0
G285459		1.78	0.05	0.28	1.28	92	330	0.96	5.63	18.85	0.19	11.00	8.1	58	0.50	3.6
G285460		2.94	0.04	0.53	5.15	147	930	1.25	1.16	12.10	0.30	43.0	43.2	260	1.06	73.2
G285461		2.26	<0.01	0.05	4.85	106	1600	0.98	0.02	10.55	0.21	44.2	50.4	212	0.67	37.3
G285462		3.36	0.01	0.05	5.06	18	890	0.73	0.02	12.65	0.11	46.8	56.0	293	0.67	78.8
G285463		5.14	<0.01	0.02	4.34	5	730	0.59	0.01	16.55	0.12	45.1	42.3	281	1.90	50.2
G285464		4.08	<0.01	<0.01	0.08	<5	20	0.07	0.02	20.8	0.06	1.24	1.4	1	0.17	2.4

***** See Appendix Page for comments regarding this certificate *****

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CERTIFICATE OF ANALYSIS VA10111436

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
G285458		5.97	31.1	0.17	2.1	0.043	3.15	4.7	41.3	6.21	1370	0.20	0.06	7.7	159.0	1630
G285459		2.85	6.42	0.10	0.4	0.032	0.64	5.9	10.6	10.55	1270	0.70	0.03	2.6	55.3	650
G285460		6.52	16.00	0.23	1.5	0.058	2.47	18.5	28.5	3.35	966	0.22	0.05	8.0	205	1540
G285461		7.23	15.00	0.24	0.6	0.062	2.47	20.8	30.7	3.48	1050	0.27	0.05	6.2	230	1570
G285462		5.52	18.65	0.21	1.1	0.063	2.57	20.7	25.1	2.63	1500	0.18	0.04	9.8	270	1400
G285463		5.76	16.05	0.21	0.8	0.052	0.86	21.8	35.1	3.62	1610	0.14	0.47	17.7	244	1200
G285464		0.43	<0.05	0.15	<0.1	0.005	0.03	0.6	1.2	12.30	194	0.07	0.01	0.5	3.3	220

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Project: RAU (OCELOT)

CERTIFICATE OF ANALYSIS VA10111436

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
G285458		12.1	90.1	<0.002	6.67	1.54	22.3	2	6.7	87.5	0.44	0.20	1.9	0.298	0.50	1.9
G285459		15.4	24.7	<0.002	2.67	1.26	5.4	2	2.1	170.0	0.13	0.09	0.7	0.072	0.19	0.7
G285460		9.7	48.8	<0.002	7.80	22.5	22.1	2	1.8	83.0	0.44	<0.05	2.5	0.284	0.98	3.3
G285461		3.6	38.5	<0.002	8.11	2.79	21.4	2	1.0	78.3	0.32	<0.05	2.0	0.242	0.36	1.7
G285462		3.1	43.7	<0.002	4.56	1.31	22.7	2	0.9	117.0	0.54	<0.05	2.6	0.338	0.23	0.8
G285463		3.8	25.6	<0.002	0.13	0.25	20.2	2	0.7	268	0.97	<0.05	2.2	0.548	0.20	0.3
G285464		1.5	1.4	<0.002	<0.01	<0.05	0.3	2	<0.2	45.1	<0.05	<0.05	<0.2	<0.005	<0.02	0.6

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 26- AUG- 2010
Account: RCM

Project: RAU (OCELOT)

CERTIFICATE OF ANALYSIS VA10111436

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5
G285458		202	9.7	9.1	35	89.5
G285459		42	3.3	7.2	44	18.4
G285460		202	1.9	11.5	70	68.5
G285461		104	0.7	9.1	62	21.8
G285462		165	0.3	13.4	45	49.9
G285463		129	0.2	12.3	72	34.2
G285464		2	0.1	0.9	14	0.7

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Project: RAU (OCELOT)

CERTIFICATE OF ANALYSIS VA10111436

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 27- AUG- 2010
Account: RCM

CERTIFICATE VA10112110

Project: RAU

P.O. No.:

This report is for 205 Soil samples submitted to our lab in Vancouver, BC, Canada on 12- AUG- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
PUL- 31	Pulverize split to 85% < 75 um
LOG- 21	Sample logging - ClientBarCode
SCR- 43	Screen to - 500um, discard plus
SCR- 01	Screen - Save plus fraction

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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1016- 510 W HASTINGS ST
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Finalized Date: 27- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10112110

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC107201		0.20	0.003	<0.2	2.51	13	<10	330	<0.5	<2	1.52	<0.5	26	165	63	4.39
CC107202		0.18	0.004	<0.2	2.43	62	<10	300	0.6	<2	0.80	<0.5	29	76	24	4.01
CC107203		0.14	NSS	<0.2	2.00	41	<10	570	<0.5	<2	2.69	<0.5	27	133	75	3.64
CC107204		0.24	0.004	0.2	2.11	82	<10	240	0.5	<2	1.02	<0.5	35	93	79	4.23
CC107205		0.14	NSS	<0.2	2.02	53	<10	350	0.5	<2	2.51	<0.5	30	117	66	3.77
CC107206		0.20	0.002	<0.2	2.40	23	<10	270	0.7	<2	0.97	<0.5	16	64	32	3.48
CC107207		0.24	0.003	0.2	2.14	30	<10	230	0.7	<2	0.81	<0.5	18	68	38	3.42
CC107208		0.16	0.005	<0.2	2.00	39	<10	220	0.6	<2	2.19	<0.5	27	62	94	3.48
CC107209		0.24	0.005	<0.2	2.26	113	<10	210	0.6	<2	0.77	<0.5	28	75	49	4.49
CC107210		0.20	0.005	0.3	1.61	92	<10	260	0.5	<2	1.62	<0.5	26	85	47	5.12
CC107211		0.08	NSS	<0.2	0.47	24	<10	130	<0.5	<2	4.62	<0.5	8	12	33	1.21
CC107212		0.16	NSS	0.2	0.76	35	<10	140	<0.5	<2	4.29	<0.5	11	18	39	1.86
CC107213		0.16	0.030	<0.2	2.19	36	<10	170	0.5	<2	2.13	<0.5	25	106	72	4.21
CC107214		0.16	NSS	<0.2	1.17	38	<10	180	<0.5	<2	3.61	0.5	13	40	42	2.21
CC107215		0.24	0.005	0.2	1.77	46	<10	220	0.5	<2	1.35	<0.5	21	70	61	4.00
CC107216		0.14	0.001	<0.2	2.52	15	<10	110	<0.5	<2	1.66	<0.5	46	163	96	4.63
CC107217		0.14	NSS	<0.2	2.99	111	<10	100	<0.5	<2	1.78	<0.5	28	150	27	5.12
CC107218		0.14	0.003	0.2	2.02	26	<10	210	0.5	<2	1.62	<0.5	23	86	54	4.07
CC107219		0.16	NSS	<0.2	1.65	28	<10	190	<0.5	<2	3.17	<0.5	23	72	52	3.51
CC107220		0.14	<0.001	0.2	2.06	21	<10	320	0.5	<2	0.44	1.1	21	51	32	3.43
CC107221		0.14	NSS	0.2	1.75	53	<10	230	<0.5	<2	1.07	<0.5	19	60	28	3.38
CC107222		0.16	<0.001	0.2	1.22	15	<10	310	<0.5	<2	2.74	<0.5	13	32	37	2.69
CC107223		0.20	0.001	<0.2	1.56	13	<10	160	<0.5	<2	0.24	0.5	8	26	13	2.96
CC107224		0.16	NSS	<0.2	0.29	7	<10	60	<0.5	<2	3.87	0.6	5	5	15	1.36
CC107225		0.18	<0.001	0.4	0.73	6	<10	110	<0.5	<2	2.46	<0.5	11	12	23	2.65
CC107226		0.16	0.010	0.2	1.00	3	<10	100	<0.5	<2	0.16	<0.5	13	11	18	4.43
CC107227		0.12	0.003	0.6	1.28	24	<10	210	0.6	<2	1.15	0.6	16	24	60	4.34
CC107228		0.16	0.002	0.5	1.41	16	<10	190	0.6	<2	1.19	0.7	10	25	28	2.92
CC107229		0.16	0.002	<0.2	1.42	9	<10	190	<0.5	<2	0.99	0.6	11	37	25	2.49
CC107230		0.14	NSS	0.5	1.14	12	<10	270	0.6	<2	2.66	<0.5	10	18	58	2.10
CC107231		0.16	0.001	0.5	1.46	13	<10	230	0.7	<2	1.69	<0.5	13	30	51	2.75
CC107232		0.18	<0.001	0.4	1.32	15	<10	180	0.5	<2	1.25	0.5	11	27	27	2.80
CC107233		0.14	<0.001	0.3	1.85	17	<10	220	0.7	<2	0.78	<0.5	12	32	26	3.17
CC107234		0.18	0.004	0.2	1.81	11	<10	230	0.5	<2	0.70	<0.5	12	43	27	3.02
CC107235		0.18	0.003	0.2	2.23	6	<10	440	0.6	<2	1.32	<0.5	13	61	34	3.47
CC107236		0.18	0.001	<0.2	3.75	7	<10	300	0.9	<2	1.06	<0.5	25	137	49	5.59
CC107237		0.18	0.003	0.3	1.48	10	<10	220	0.5	<2	2.62	0.8	12	40	40	2.87
CC107238		0.16	0.001	0.3	1.40	12	<10	270	<0.5	<2	1.31	1.5	11	35	28	2.59
CC107239		0.16	0.002	<0.2	1.32	11	<10	220	<0.5	<2	1.56	1.0	8	23	17	2.43
CC107240		0.18	0.002	0.2	1.60	14	<10	270	0.5	<2	1.06	0.5	10	38	38	2.98

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VANCOUVER BC V6B 1L8

Finalized Date: 27- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10112110

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC107201		10	1	0.06	10	2.09	751	<1	0.02	129	1250	10	0.03	<2	5	57
CC107202		10	<1	0.06	10	0.73	761	<1	0.02	97	670	14	0.02	<2	5	33
CC107203		10	<1	0.06	10	1.76	618	<1	0.02	109	960	11	0.10	<2	6	83
CC107204		10	1	0.07	20	1.02	734	<1	0.02	188	1000	11	0.03	<2	7	37
CC107205		10	<1	0.06	10	1.56	772	<1	0.02	118	1140	9	0.09	<2	5	81
CC107206		10	<1	0.06	10	0.93	559	<1	0.02	50	590	18	0.03	<2	5	34
CC107207		10	<1	0.06	20	0.87	631	<1	0.02	57	610	15	0.03	<2	5	30
CC107208		10	<1	0.07	10	0.96	724	<1	0.02	91	870	11	0.07	<2	4	60
CC107209		10	<1	0.07	20	0.96	628	<1	0.02	101	1100	15	0.02	2	7	33
CC107210		<10	<1	0.05	10	0.88	1475	1	0.02	92	1730	8	0.05	<2	6	67
CC107211		<10	<1	0.03	<10	0.32	228	<1	0.02	27	710	2	0.19	<2	1	188
CC107212		<10	1	0.03	<10	0.38	432	<1	0.02	33	980	12	0.18	<2	1	179
CC107213		10	<1	0.07	10	1.65	555	<1	0.02	102	1290	10	0.10	<2	6	76
CC107214		<10	<1	0.04	10	0.68	450	<1	0.02	42	930	15	0.18	<2	2	116
CC107215		<10	<1	0.06	10	1.23	714	<1	0.02	81	1110	18	0.04	<2	5	39
CC107216		10	<1	0.04	10	1.77	862	<1	0.02	162	1330	5	0.04	<2	3	63
CC107217		10	1	0.04	10	3.06	770	<1	0.02	67	730	8	0.07	<2	11	71
CC107218		10	<1	0.09	10	1.34	526	1	0.02	69	1110	20	0.08	<2	5	66
CC107219		<10	<1	0.08	10	1.23	787	<1	0.02	74	1110	8	0.11	<2	4	108
CC107220		10	1	0.07	10	0.69	684	1	0.02	42	410	16	0.03	<2	4	26
CC107221		<10	1	0.05	10	0.84	465	<1	0.02	57	700	11	0.05	<2	5	39
CC107222		<10	<1	0.06	10	0.50	628	<1	0.02	38	990	20	0.09	<2	2	91
CC107223		<10	<1	0.06	10	0.36	305	2	0.01	24	360	21	<0.01	<2	2	12
CC107224		<10	1	0.06	<10	0.40	362	1	0.02	10	870	5	0.15	<2	1	54
CC107225		<10	<1	0.20	10	0.31	532	1	0.02	20	1120	16	0.08	<2	2	32
CC107226		<10	1	0.18	30	0.11	332	6	0.01	22	670	19	0.02	<2	2	9
CC107227		<10	<1	0.17	20	0.78	442	3	0.02	45	1120	45	0.04	5	3	49
CC107228		<10	<1	0.09	10	0.61	596	1	0.02	29	590	31	0.04	2	3	26
CC107229		<10	<1	0.07	10	0.55	410	1	0.02	22	500	20	0.04	<2	3	23
CC107230		<10	1	0.10	10	0.60	638	1	0.02	22	810	37	0.08	<2	2	57
CC107231		<10	<1	0.11	10	0.87	679	3	0.01	39	760	55	0.07	<2	3	33
CC107232		<10	<1	0.09	10	0.80	732	1	0.01	29	560	59	0.05	<2	3	25
CC107233		10	<1	0.08	10	0.73	678	1	0.01	30	590	59	0.03	<2	4	17
CC107234		10	<1	0.09	10	0.79	610	1	0.01	25	1180	28	0.02	<2	3	20
CC107235		10	<1	0.07	10	1.53	522	<1	0.01	33	1650	18	0.08	<2	4	33
CC107236		10	<1	0.14	20	3.70	848	<1	0.01	62	2150	18	0.03	<2	9	33
CC107237		<10	<1	0.10	10	1.50	638	1	0.01	30	1840	25	0.06	<2	3	30
CC107238		<10	<1	0.09	10	0.60	621	1	0.01	27	2690	27	0.04	<2	2	24
CC107239		<10	<1	0.07	10	0.65	560	1	0.01	20	1380	28	0.04	<2	2	22
CC107240		<10	<1	0.11	20	0.69	401	1	0.01	29	2930	31	0.02	<2	3	33

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 27- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10112110

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC107201		<20	0.12	<10	<10	90	<10	80
CC107202		<20	0.05	<10	<10	74	<10	86
CC107203		<20	0.06	<10	<10	73	<10	67
CC107204		<20	0.04	<10	<10	65	<10	89
CC107205		<20	0.04	<10	<10	66	<10	64
CC107206		<20	0.05	<10	<10	74	<10	71
CC107207		<20	0.05	<10	<10	66	<10	66
CC107208		<20	0.03	<10	<10	54	<10	70
CC107209		<20	0.07	<10	<10	73	<10	92
CC107210		<20	0.03	<10	<10	70	<10	78
CC107211		<20	0.01	<10	<10	12	<10	19
CC107212		<20	0.01	<10	<10	19	<10	30
CC107213		<20	0.09	<10	<10	66	<10	93
CC107214		<20	0.03	<10	<10	38	<10	48
CC107215		<20	0.06	<10	<10	58	<10	76
CC107216		<20	0.20	<10	<10	71	<10	71
CC107217		<20	0.15	<10	<10	116	<10	95
CC107218		<20	0.06	<10	<10	64	<10	95
CC107219		<20	0.05	<10	<10	53	<10	78
CC107220		<20	0.05	<10	<10	73	<10	67
CC107221		<20	0.04	<10	<10	57	<10	76
CC107222		<20	0.03	<10	<10	37	<10	50
CC107223		<20	0.04	<10	<10	66	<10	134
CC107224		<20	0.01	<10	<10	6	<10	24
CC107225		<20	0.01	<10	<10	18	<10	64
CC107226		<20	0.01	<10	<10	36	<10	90
CC107227		<20	0.02	<10	<10	36	<10	175
CC107228		<20	0.03	<10	<10	46	<10	111
CC107229		<20	0.03	<10	<10	52	<10	71
CC107230		<20	0.01	<10	<10	26	<10	67
CC107231		<20	0.04	<10	<10	39	<10	84
CC107232		<20	0.03	<10	<10	41	<10	100
CC107233		<20	0.03	<10	<10	54	<10	108
CC107234		<20	0.04	<10	<10	63	<10	80
CC107235		<20	0.07	<10	<10	76	<10	71
CC107236		<20	0.23	<10	<10	139	<10	99
CC107237		<20	0.04	<10	<10	55	<10	97
CC107238		<20	0.03	<10	<10	49	<10	113
CC107239		<20	0.02	<10	<10	45	<10	100
CC107240		<20	0.04	<10	<10	60	<10	104

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CERTIFICATE OF ANALYSIS VA10112110

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC107241		0.16	0.002	0.2	1.40	9	<10	200	<0.5	<2	0.94	0.5	8	36	27	2.77
CC107242		0.14	0.005	0.7	1.58	10	<10	340	0.5	<2	1.68	0.6	8	36	68	2.59
CC107243		0.24	0.002	0.4	1.47	15	<10	220	0.6	<2	0.98	0.9	11	27	35	2.87
CC107244		0.18	0.002	0.3	1.46	13	<10	220	0.5	<2	0.85	0.7	9	24	17	2.68
CC107245		0.24	0.001	<0.2	1.88	13	<10	230	0.5	<2	0.50	<0.5	8	28	12	2.94
CC107246		0.16	0.004	<0.2	1.87	14	<10	190	0.6	<2	0.81	<0.5	8	29	11	2.81
CC107247		0.18	0.003	0.2	1.56	9	<10	220	<0.5	<2	0.89	<0.5	9	23	12	2.55
CC107248		0.22	0.002	0.2	1.82	11	<10	230	0.6	<2	0.67	<0.5	8	27	13	2.71
CC107249		0.26	0.002	<0.2	1.32	16	<10	200	0.6	<2	0.74	<0.5	8	23	16	2.70
CC107250		0.16	0.009	0.7	1.37	10	<10	420	0.5	<2	2.95	0.9	11	42	96	2.71
CC107261		0.24	0.002	0.2	4.66	7	<10	150	<0.5	<2	4.39	<0.5	46	270	114	7.22
CC107262		0.22	0.001	<0.2	4.37	7	<10	110	<0.5	<2	1.11	<0.5	37	227	97	6.46
CC107263		0.22	0.001	0.2	1.63	12	<10	240	<0.5	<2	0.68	<0.5	11	43	29	2.90
CC107264		0.22	0.001	<0.2	1.90	13	<10	270	0.6	<2	0.40	<0.5	9	34	15	3.07
CC107265		0.18	0.004	0.3	2.76	9	<10	230	0.5	<2	1.72	0.9	24	108	74	4.67
CC107001		0.18	0.002	1.5	1.14	25	<10	180	0.5	<2	3.74	3.7	7	24	23	2.03
CC107002		0.26	0.012	0.5	0.44	402	<10	50	0.5	<2	0.14	0.7	26	5	349	3.18
CC107003		0.22	0.002	0.2	0.89	23	<10	200	<0.5	<2	1.31	<0.5	5	16	15	1.71
CC107004		0.24	0.003	<0.2	1.47	42	<10	50	0.5	<2	3.32	<0.5	19	34	61	3.75
CC107005		0.26	0.005	0.5	0.87	32	<10	150	<0.5	<2	0.40	0.6	16	14	67	3.77
CC107006		0.24	0.001	<0.2	2.19	14	<10	90	<0.5	<2	0.74	<0.5	83	61	290	5.01
CC107007		0.26	0.003	0.2	2.96	46	<10	70	<0.5	<2	0.65	<0.5	82	116	240	5.26
CC107008		0.18	<0.001	<0.2	2.24	22	<10	70	<0.5	<2	0.41	<0.5	35	48	103	4.55
CC107009		0.24	0.002	0.3	1.00	13	<10	60	<0.5	<2	0.11	<0.5	17	15	58	3.45
CC107010		0.18	0.005	0.3	1.26	21	<10	100	<0.5	<2	0.27	0.5	18	18	73	4.01
CC107011		0.20	0.004	0.3	0.77	35	<10	90	<0.5	<2	0.96	<0.5	13	13	51	3.37
CC107012		0.24	0.004	0.4	0.98	69	<10	140	0.6	<2	0.58	2.3	33	11	119	6.05
CC107013		0.26	0.002	0.3	0.77	49	<10	130	<0.5	<2	0.33	0.6	15	11	59	4.03
CC107014		0.14	0.002	<0.2	0.69	18	<10	120	0.5	<2	1.66	0.7	11	13	24	2.89
CC107015		0.18	0.001	<0.2	0.38	28	<10	40	<0.5	<2	0.45	<0.5	11	8	37	3.73
CC107016		0.16	0.001	<0.2	0.34	30	<10	40	<0.5	<2	0.82	0.5	12	7	34	3.45
CC107017		0.20	0.004	0.4	0.93	67	<10	170	<0.5	<2	0.05	<0.5	8	18	52	4.04
CC107018		0.26	0.003	0.2	1.51	21	<10	140	0.6	<2	0.22	0.5	12	21	25	4.13
CC107019		0.18	0.004	0.2	0.47	82	<10	30	0.6	<2	0.12	<0.5	29	7	64	6.32
CC107020		0.22	0.005	0.2	0.69	49	<10	70	0.8	<2	1.04	0.7	24	12	81	4.78
CC107021		0.16	0.004	0.2	0.67	32	<10	90	0.6	<2	1.13	0.5	16	12	75	3.84
CC107022		0.32	0.001	<0.2	0.69	36	<10	70	0.7	<2	0.36	0.7	16	13	90	4.09
CC107023		0.20	0.006	0.4	1.43	126	<10	180	0.5	<2	0.82	<0.5	27	34	63	4.32
CC107024		0.18	0.004	0.4	1.22	50	<10	140	0.5	<2	0.96	<0.5	14	22	27	3.06
CC107025		0.18	0.009	0.5	1.06	25	<10	220	0.5	<2	1.95	0.6	10	18	34	2.73

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 27- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10112110

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC107241		<10	<1	0.09	10	0.60	469	1	0.01	25	2760	27	0.03	<2	3	26
CC107242		<10	<1	0.14	10	0.96	413	1	0.01	26	2040	22	0.07	<2	3	50
CC107243		<10	<1	0.11	10	0.68	710	1	0.01	33	1340	33	0.02	<2	3	21
CC107244		<10	<1	0.08	10	0.52	624	1	0.01	21	1420	27	0.05	<2	2	19
CC107245		10	<1	0.06	10	0.48	644	1	0.01	20	670	26	0.02	<2	3	15
CC107246		10	<1	0.08	10	0.56	463	1	0.01	20	2270	22	0.03	<2	3	17
CC107247		10	<1	0.06	10	0.49	609	1	0.01	15	830	22	0.03	<2	2	16
CC107248		<10	<1	0.07	10	0.53	483	1	0.01	21	1450	28	0.01	<2	3	17
CC107249		<10	<1	0.07	20	0.59	500	1	0.01	26	1200	45	0.01	<2	3	17
CC107250		<10	<1	0.17	10	2.01	361	2	0.01	45	2110	23	0.02	2	3	40
CC107261		10	<1	0.46	10	4.31	836	<1	0.01	226	1410	14	<0.01	<2	13	179
CC107262		10	<1	0.05	10	4.28	745	1	0.01	161	850	9	0.02	<2	10	36
CC107263		<10	<1	0.06	10	0.75	530	1	0.01	37	610	21	0.01	<2	3	22
CC107264		10	<1	0.06	10	0.57	438	2	0.01	26	450	22	<0.01	<2	3	18
CC107265		10	<1	0.09	10	2.36	830	1	0.01	82	1250	29	0.04	<2	7	38
CC107001		<10	<1	0.07	10	1.74	789	1	0.01	21	3340	737	0.07	15	2	29
CC107002		<10	<1	0.16	20	0.05	101	5	<0.01	93	480	56	0.06	<2	2	47
CC107003		<10	<1	0.06	10	0.37	411	1	<0.01	15	3700	42	0.04	<2	2	17
CC107004		<10	<1	0.11	10	2.82	613	1	<0.01	58	820	23	0.04	<2	5	61
CC107005		<10	<1	0.18	20	0.50	318	6	<0.01	45	1410	42	0.04	<2	2	55
CC107006		10	<1	0.22	10	1.52	996	1	0.02	211	750	3	0.01	<2	4	43
CC107007		10	<1	0.09	10	2.45	1085	<1	0.02	220	770	18	0.01	<2	9	26
CC107008		10	<1	0.16	20	1.83	591	8	0.01	96	700	24	0.04	<2	3	25
CC107009		<10	<1	0.15	30	0.60	256	7	<0.01	46	640	15	0.02	<2	1	22
CC107010		<10	<1	0.18	20	0.77	240	8	<0.01	52	1160	28	0.03	<2	2	52
CC107011		<10	<1	0.16	10	0.52	307	3	<0.01	39	1010	20	0.07	<2	2	31
CC107012		<10	<1	0.24	20	0.33	1030	9	0.02	93	1760	60	0.09	<2	4	58
CC107013		<10	<1	0.20	20	0.20	471	7	0.02	42	1340	40	0.05	<2	1	23
CC107014		<10	<1	0.09	10	0.59	2660	<1	0.02	31	1070	16	0.07	2	2	17
CC107015		<10	<1	0.14	10	0.20	454	1	0.01	39	440	20	0.03	2	4	11
CC107016		<10	<1	0.13	10	0.34	783	1	0.01	41	540	22	0.04	2	3	11
CC107017		<10	<1	0.47	20	0.22	163	9	0.02	20	310	137	0.77	7	3	13
CC107018		<10	<1	0.08	10	0.34	595	2	0.01	23	570	34	0.01	2	2	12
CC107019		<10	<1	0.15	10	0.07	709	4	0.02	66	500	158	0.02	11	3	6
CC107020		<10	<1	0.10	10	0.58	522	8	0.01	55	550	46	0.02	8	4	21
CC107021		<10	<1	0.12	10	0.26	718	3	0.01	53	1010	23	0.07	<2	2	34
CC107022		<10	<1	0.10	20	0.27	697	5	0.01	55	750	26	0.04	<2	3	23
CC107023		<10	<1	0.08	10	0.80	869	1	0.02	104	960	27	0.06	5	5	20
CC107024		<10	<1	0.08	10	0.67	736	1	0.02	25	790	68	0.06	3	3	21
CC107025		<10	<1	0.09	10	0.71	777	1	0.02	25	1090	53	0.07	7	2	30

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 27- AUG- 2010
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Project: RAU

CERTIFICATE OF ANALYSIS VA10112110

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC107241		<20	0.02	<10	<10	43	<10	83
CC107242		<20	0.07	<10	<10	52	<10	93
CC107243		<20	0.03	<10	<10	53	<10	123
CC107244		<20	0.02	<10	<10	49	<10	122
CC107245		<20	0.03	<10	<10	63	<10	102
CC107246		<20	0.03	<10	<10	58	<10	99
CC107247		<20	0.02	<10	<10	57	<10	72
CC107248		<20	0.03	<10	<10	58	<10	79
CC107249		<20	0.03	<10	<10	44	<10	96
CC107250		<20	0.04	<10	<10	53	<10	163
CC107261		<20	0.30	<10	<10	144	<10	222
CC107262		<20	0.17	<10	<10	133	<10	103
CC107263		<20	0.03	<10	<10	63	<10	81
CC107264		<20	0.03	<10	<10	68	<10	100
CC107265		<20	0.08	<10	<10	92	<10	164
CC107001		<20	0.02	<10	<10	63	<10	537
CC107002		<20	<0.01	<10	<10	11	<10	155
CC107003		<20	0.02	<10	<10	38	<10	86
CC107004		<20	0.04	<10	<10	27	<10	89
CC107005		<20	0.01	<10	<10	20	<10	95
CC107006		<20	0.28	<10	<10	49	<10	78
CC107007		<20	0.24	<10	<10	69	<10	79
CC107008		<20	0.09	<10	<10	43	<10	72
CC107009		<20	0.01	<10	<10	17	<10	77
CC107010		<20	<0.01	<10	<10	21	<10	92
CC107011		<20	0.01	<10	<10	18	<10	68
CC107012		<20	0.01	<10	<10	27	<10	180
CC107013		<20	0.01	<10	<10	29	<10	105
CC107014		<20	0.01	<10	<10	40	<10	116
CC107015		<20	<0.01	<10	<10	13	<10	44
CC107016		<20	<0.01	<10	<10	16	<10	80
CC107017		<20	0.04	<10	<10	37	<10	53
CC107018		<20	0.03	<10	<10	47	<10	96
CC107019		<20	<0.01	<10	<10	10	<10	138
CC107020		<20	0.01	<10	<10	23	<10	129
CC107021		<20	0.01	<10	<10	16	<10	111
CC107022		<20	0.01	<10	<10	18	<10	114
CC107023		<20	0.01	<10	<10	33	<10	119
CC107024		<20	0.02	<10	<10	35	<10	95
CC107025		<20	0.02	<10	<10	35	<10	120

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CERTIFICATE OF ANALYSIS VA10112110

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC107026		0.18	0.001	<0.2	1.63	12	<10	170	<0.5	<2	0.10	<0.5	9	26	12	3.80
CC107027		0.24	0.001	<0.2	1.34	13	<10	200	0.5	<2	1.01	<0.5	9	23	17	2.55
CC107028		0.26	0.001	0.4	1.46	41	<10	210	<0.5	<2	0.53	<0.5	8	27	44	2.80
CC107029		0.22	0.004	<0.2	1.62	13	<10	250	0.6	<2	0.57	<0.5	10	28	18	2.85
CC107030		0.22	<0.001	<0.2	2.05	12	<10	210	0.7	<2	0.45	<0.5	10	31	14	3.05
CC107031		0.18	0.001	<0.2	1.62	13	<10	140	0.5	<2	0.52	0.7	8	22	9	2.97
CC107032		0.16	<0.001	0.2	1.78	13	<10	190	0.5	<2	0.98	0.6	9	28	11	2.64
CC107033		0.34	0.001	<0.2	1.08	17	<10	140	0.5	<2	3.81	<0.5	10	17	22	2.64
CC107034		0.24	0.002	<0.2	0.85	21	<10	150	<0.5	<2	3.43	<0.5	9	15	26	2.70
CC107035		0.22	0.001	<0.2	1.40	17	<10	220	0.6	<2	1.33	<0.5	11	28	27	3.23
CC107036		0.18	0.002	<0.2	1.21	14	<10	220	0.5	<2	1.24	<0.5	10	21	22	3.51
CC107037		0.24	0.001	<0.2	1.34	13	<10	180	0.5	<2	3.35	0.8	9	23	20	2.65
CC107038		0.24	0.003	0.3	1.04	13	<10	130	0.5	<2	2.15	<0.5	11	21	32	3.04
CC107039		0.24	0.002	<0.2	1.33	13	<10	230	0.6	<2	1.22	<0.5	10	24	25	2.88
CC107040		0.24	0.001	0.2	1.02	8	<10	120	<0.5	<2	4.67	<0.5	10	17	31	2.68
CC107041		0.20	0.002	0.2	1.06	10	<10	130	0.5	<2	1.91	<0.5	12	17	28	3.01
CC107042		0.22	0.001	<0.2	1.08	17	<10	170	0.5	<2	1.22	<0.5	10	20	28	2.92
CC107043		0.24	0.004	0.2	1.06	17	<10	180	<0.5	<2	1.66	<0.5	10	19	26	2.79
CC107044		0.22	0.001	0.2	1.11	10	<10	170	0.5	<2	1.68	<0.5	10	19	26	2.83
CC107045		0.26	0.002	0.3	0.74	43	<10	170	0.5	<2	2.61	<0.5	11	12	33	3.43
CC107046		0.24	0.003	0.2	1.08	24	<10	190	0.5	<2	0.78	<0.5	12	18	35	3.26
CC107047		0.22	0.002	0.3	1.30	23	<10	250	0.6	<2	1.33	0.5	13	23	38	3.23
CC107048		0.22	0.002	0.3	1.42	18	<10	460	0.6	<2	1.13	0.6	11	26	25	2.87
CC107049		0.26	0.001	0.2	1.48	14	<10	260	0.6	<2	0.99	0.6	10	26	23	2.93
CC107050		0.30	0.002	<0.2	1.33	15	<10	210	0.6	<2	1.37	0.6	11	45	29	2.90
CC107101		0.26	0.002	0.4	1.91	17	<10	520	<0.5	<2	0.62	2.4	16	86	51	3.44
CC107102		0.30	0.002	0.3	1.59	17	<10	290	0.5	<2	1.39	4.2	16	98	48	3.36
CC107103		0.26	<0.001	0.5	1.72	19	<10	350	0.7	<2	2.80	2.2	15	187	52	3.40
CC107104		0.32	0.002	0.6	2.22	18	<10	270	0.9	<2	1.61	2.7	16	62	60	3.65
CC107105		0.30	0.004	1.5	3.09	30	<10	340	1.6	<2	1.36	9.5	16	86	95	3.95
CC107106		0.18	0.003	0.5	2.19	18	<10	270	0.9	<2	1.62	1.6	12	49	47	3.12
CC107107		0.24	0.013	0.3	2.42	24	<10	310	0.8	<2	1.49	0.8	18	37	54	3.97
CC107108		0.16	0.006	0.3	1.72	12	<10	200	0.6	<2	1.86	0.5	16	29	65	3.37
CC107109		0.18	0.002	0.3	1.51	14	<10	230	0.5	2	1.90	1.7	13	30	52	2.90
CC107110		0.18	0.019	0.9	1.76	18	<10	230	0.8	<2	1.54	3.4	11	42	54	3.15
CC107111		0.18	0.004	0.5	1.62	19	<10	270	0.7	<2	0.72	1.3	12	37	45	3.14
CC107112		0.14	0.003	0.7	2.44	22	<10	320	1.1	2	1.10	4.9	13	59	71	3.84
CC107113		0.36	0.002	0.5	2.10	25	<10	340	0.7	<2	0.86	7.5	16	64	45	3.57
CC107114		0.24	0.003	0.5	1.62	19	<10	430	0.6	<2	1.73	2.8	14	44	49	3.26
CC107115		0.14	0.003	0.6	1.73	17	<10	390	0.5	<2	1.23	4.2	16	51	55	3.36

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 27- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10112110

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC107026		10	<1	0.08	10	0.46	497	1	0.02	14	470	24	0.01	<2	2	10
CC107027		<10	<1	0.09	10	0.53	572	<1	0.02	20	1420	39	0.04	2	3	21
CC107028		<10	<1	0.08	10	0.47	470	<1	0.01	26	1460	466	0.01	13	2	17
CC107029		<10	1	0.08	10	0.60	574	<1	0.02	25	950	31	0.01	2	4	21
CC107030		10	<1	0.08	10	0.61	553	<1	0.02	23	650	29	0.01	<2	3	17
CC107031		10	<1	0.05	10	0.36	534	1	0.01	13	720	37	0.02	2	2	13
CC107032		<10	1	0.07	10	0.55	928	<1	0.02	16	1550	30	0.02	<2	3	15
CC107033		<10	<1	0.10	10	2.23	626	<1	0.02	24	2010	78	0.01	3	3	25
CC107034		<10	<1	0.09	10	2.00	704	1	0.02	22	1230	30	0.02	3	2	31
CC107035		10	<1	0.10	20	0.91	352	<1	0.02	25	1140	56	0.01	4	4	19
CC107036		<10	<1	0.09	10	0.53	714	<1	0.02	24	1050	19	0.05	<2	3	23
CC107037		<10	<1	0.08	10	1.95	758	<1	0.02	20	1960	72	0.03	3	3	27
CC107038		<10	<1	0.10	20	1.36	623	1	0.02	26	980	28	0.02	2	3	29
CC107039		<10	<1	0.10	10	0.76	684	<1	0.02	23	1200	32	0.03	<2	3	21
CC107040		<10	<1	0.12	10	2.14	485	<1	0.02	24	790	17	0.01	<2	3	44
CC107041		<10	<1	0.13	10	1.05	454	<1	0.02	22	750	20	0.05	<2	3	27
CC107042		<10	<1	0.09	10	0.59	555	<1	0.02	24	730	22	0.03	2	3	26
CC107043		<10	<1	0.10	10	0.92	561	<1	0.02	25	760	22	0.03	2	3	31
CC107044		<10	<1	0.11	10	0.97	554	<1	0.02	23	880	21	0.03	<2	3	28
CC107045		<10	<1	0.13	10	1.30	566	<1	0.02	23	750	20	0.05	3	3	42
CC107046		<10	<1	0.16	20	0.46	834	1	0.02	27	920	28	0.03	<2	3	21
CC107047		<10	<1	0.15	10	0.79	668	1	0.02	34	1210	30	0.03	5	3	25
CC107048		<10	<1	0.12	10	0.55	674	<1	0.03	26	1550	40	0.08	6	3	23
CC107049		10	<1	0.11	10	0.55	652	<1	0.03	25	1190	34	0.07	4	3	20
CC107050		<10	<1	0.11	10	0.76	558	2	0.03	33	1120	38	0.06	5	3	24
CC107101		10	<1	0.13	10	1.26	358	8	0.05	84	970	24	0.05	4	4	31
CC107102		<10	<1	0.14	10	1.23	648	10	0.04	92	1020	27	0.07	4	3	33
CC107103		10	1	0.19	10	2.14	684	22	0.06	143	1170	29	0.08	5	4	50
CC107104		10	1	0.21	10	1.65	578	7	0.07	96	1160	30	0.07	4	5	48
CC107105		10	1	0.59	10	1.89	486	19	0.08	183	1480	29	0.18	7	6	84
CC107106		10	<1	0.17	10	1.16	479	5	0.05	59	900	21	0.10	2	4	63
CC107107		10	<1	0.24	20	1.25	677	2	0.06	52	1210	20	0.05	<2	6	42
CC107108		10	<1	0.13	10	0.73	495	3	0.03	35	1070	13	0.10	<2	3	42
CC107109		<10	1	0.13	10	0.71	639	3	0.03	54	870	14	0.11	<2	3	48
CC107110		<10	<1	0.17	10	0.83	619	7	0.04	70	1060	17	0.08	2	3	55
CC107111		<10	<1	0.15	10	0.76	784	5	0.02	52	980	18	0.02	<2	4	34
CC107112		10	<1	0.18	10	1.30	842	18	0.04	144	1210	23	0.04	5	4	72
CC107113		10	<1	0.20	20	1.27	794	13	0.04	109	1200	24	0.05	4	5	48
CC107114		10	1	0.14	10	0.94	664	5	0.02	62	1070	23	0.13	3	3	47
CC107115		10	<1	0.13	10	0.94	719	5	0.03	92	1010	20	0.08	4	3	37

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 27- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10112110

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC107026		<20	0.05	<10	<10	67	<10	83
CC107027		<20	0.03	<10	<10	42	<10	93
CC107028		<20	0.02	<10	<10	43	<10	138
CC107029		<20	0.03	<10	<10	49	<10	89
CC107030		<20	0.03	<10	<10	59	<10	85
CC107031		<20	0.03	<10	<10	65	<10	74
CC107032		<20	0.03	<10	<10	107	<10	101
CC107033		<20	0.02	<10	<10	32	<10	101
CC107034		<20	0.02	<10	<10	30	<10	78
CC107035		<20	0.02	<10	<10	44	<10	89
CC107036		<20	0.02	<10	<10	38	<10	115
CC107037		<20	0.03	<10	<10	43	<10	114
CC107038		<20	0.02	<10	<10	34	<10	88
CC107039		<20	0.02	<10	<10	41	<10	82
CC107040		<20	0.03	<10	<10	29	<10	87
CC107041		<20	0.02	<10	<10	28	<10	77
CC107042		<20	0.03	<10	<10	35	<10	85
CC107043		<20	0.03	<10	<10	35	<10	92
CC107044		<20	0.02	<10	<10	32	<10	96
CC107045		<20	0.01	<10	<10	21	<10	92
CC107046		<20	0.02	<10	<10	34	<10	93
CC107047		<20	0.02	<10	<10	41	<10	138
CC107048		<20	0.02	<10	<10	46	<10	129
CC107049		<20	0.03	<10	<10	46	<10	104
CC107050		<20	0.03	<10	<10	43	<10	105
CC107101		<20	0.09	<10	<10	75	<10	198
CC107102		<20	0.05	<10	<10	71	<10	266
CC107103		<20	0.06	<10	<10	130	<10	249
CC107104		<20	0.06	<10	<10	168	<10	341
CC107105		<20	0.09	<10	10	449	<10	764
CC107106		<20	0.06	<10	<10	138	<10	195
CC107107		<20	0.10	<10	<10	98	<10	143
CC107108		<20	0.06	<10	10	82	<10	64
CC107109		<20	0.04	<10	<10	64	<10	167
CC107110		<20	0.04	<10	<10	143	<10	277
CC107111		<20	0.04	<10	<10	94	<10	176
CC107112		<20	0.06	<10	<10	328	<10	700
CC107113		<20	0.07	<10	<10	164	<10	571
CC107114		<20	0.04	<10	<10	76	<10	271
CC107115		<20	0.05	<10	<10	73	<10	283

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 27- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10112110

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC107116		0.20	0.005	0.4	1.51	17	<10	460	0.5	<2	1.12	17.2	15	44	79	2.93
CC107117		0.18	0.016	0.5	2.02	51	<10	380	0.8	14	0.86	4.1	14	43	70	4.00
CC107118		0.18	0.072	0.8	1.72	50	<10	660	0.7	20	2.25	7.8	13	36	151	3.33
CC107119		0.20	0.014	0.5	1.10	66	<10	370	0.5	6	7.9	3.4	7	22	56	2.40
CC107120		0.14	0.011	0.4	0.84	58	<10	370	<0.5	4	13.2	1.8	5	14	19	1.41
CC107121		0.18	0.002	0.7	1.11	42	<10	2470	0.5	5	7.4	5.5	6	29	46	2.09
CC107122		0.28	0.004	0.9	1.65	55	<10	800	0.7	2	3.17	3.7	8	32	76	3.03
CC107123		0.28	0.006	0.9	1.21	51	<10	1070	0.7	3	6.55	3.1	5	25	66	2.67
CC107124		0.28	0.006	1.0	1.57	33	<10	1200	0.7	<2	0.87	2.7	10	33	91	3.17
CC107125		0.20	0.002	0.9	1.63	33	<10	660	0.9	8	7.7	4.4	6	38	54	2.46
CC107126		0.36	0.008	1.5	1.76	71	<10	2340	0.9	9	0.60	17.5	13	35	108	3.77
CC107127		0.28	0.022	0.6	1.74	44	<10	680	0.9	6	1.62	3.6	9	33	95	3.20
CC107128		0.22	0.004	1.5	0.80	11	<10	3660	0.5	8	14.5	2.1	3	27	21	1.11
CC107129		0.18	0.003	0.4	1.27	17	<10	320	0.5	2	11.4	3.8	6	22	15	1.62
CC107130		0.22	0.004	4.2	0.36	17	<10	90	<0.5	9	17.3	2.1	1	5	16	0.63
CC107131		0.24	0.011	0.8	0.53	17	<10	130	0.5	5	17.5	17.7	4	7	28	0.82
CC107132		0.14	0.012	1.0	1.51	31	<10	490	1.1	7	7.6	20.0	8	24	82	2.89
CC107133		0.28	0.025	1.9	2.27	50	<10	710	1.0	2	1.44	3.8	9	35	94	3.36
CC107134		0.18	0.005	0.2	1.92	20	<10	270	0.8	2	1.65	3.0	14	52	64	3.60
CC107135		0.16	0.004	0.5	2.14	20	<10	360	0.8	<2	1.73	3.2	13	56	45	3.41
CC107136		0.14	0.003	0.3	2.12	15	<10	340	0.8	<2	1.30	2.1	15	64	45	3.46
CC107137		0.22	0.003	0.8	2.99	25	<10	410	1.7	2	0.57	2.4	18	64	66	5.05
CC107138		0.16	<0.001	0.6	1.78	21	<10	360	0.7	<2	1.87	5.6	14	47	45	3.23
CC107139		0.26	0.003	0.3	1.57	18	<10	280	0.5	<2	1.17	2.2	12	44	33	3.24
CC107140		0.28	0.003	0.6	1.44	17	<10	520	0.5	<2	0.97	13.0	15	45	62	3.10
CC107141		0.28	0.007	0.6	1.62	21	<10	400	0.6	<2	1.25	4.6	13	39	49	3.26
CC107142		0.22	0.006	0.3	1.43	21	<10	300	0.5	3	5.94	1.8	10	33	39	2.72
CC107143		0.20	0.027	0.5	1.06	38	<10	330	<0.5	3	10.2	2.2	7	23	38	2.07
CC107144		0.24	0.049	0.2	0.95	24	<10	330	<0.5	2	9.8	1.6	7	23	29	1.88
CC107145		0.28	0.011	1.1	1.44	40	<10	980	0.6	5	4.94	5.0	9	34	46	2.91
CC107146		0.16	0.007	1.4	2.23	47	<10	1770	1.1	2	1.04	3.5	9	29	151	3.67
CC107147		0.30	0.002	0.3	1.24	22	<10	950	0.5	<2	8.4	2.0	8	29	37	2.26
CC107148		0.24	0.010	1.0	1.40	42	<10	1570	0.5	2	7.7	3.8	8	32	36	2.71
CC107149		0.26	0.005	0.6	1.24	24	<10	1090	0.6	2	8.4	3.1	7	21	35	2.04
CC107150		0.22	0.019	1.5	1.69	35	<10	410	0.8	8	5.11	2.6	9	31	56	2.78
CC107151		0.24	0.003	0.5	0.32	14	<10	140	<0.5	3	17.8	1.5	2	6	13	0.65
CC107152		0.26	0.003	1.1	0.24	13	<10	440	<0.5	<2	19.3	1.9	1	5	4	0.41
CC107153		0.28	0.038	0.5	0.15	24	<10	170	<0.5	23	20.3	0.9	1	2	340	0.56
CC107154		0.22	0.184	0.9	1.78	37	<10	1010	1.1	9	3.74	11.0	9	30	115	3.52
CC107155		0.30	0.077	0.3	0.75	33	<10	420	0.7	9	15.0	2.3	4	12	43	1.74

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CERTIFICATE OF ANALYSIS VA10112110

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC107116		<10	1	0.10	10	0.74	550	5	0.02	179	870	19	0.07	3	2	41
CC107117		10	<1	0.12	20	0.90	1360	4	0.02	83	670	74	0.05	10	4	28
CC107118		<10	<1	0.10	20	1.44	1230	4	0.03	110	1020	25	0.07	4	3	41
CC107119		<10	<1	0.07	10	4.55	1055	3	0.02	62	830	23	0.06	4	2	75
CC107120		<10	<1	0.06	10	8.15	529	1	0.02	33	500	91	0.05	8	1	113
CC107121		<10	<1	0.10	20	4.40	694	4	0.03	78	1380	39	0.09	5	2	68
CC107122		<10	<1	0.11	20	1.97	447	6	0.02	66	1070	41	0.07	19	3	48
CC107123		<10	<1	0.11	10	4.29	574	7	0.02	67	900	47	0.25	16	2	82
CC107124		<10	<1	0.13	20	0.65	683	10	0.01	83	1010	39	0.09	8	3	46
CC107125		<10	1	0.12	20	5.26	742	4	0.01	97	1590	67	0.06	9	3	119
CC107126		<10	<1	0.16	20	0.66	593	12	0.02	149	1200	80	0.19	11	4	46
CC107127		<10	1	0.16	20	1.21	581	8	0.01	76	890	93	0.08	9	4	47
CC107128		<10	<1	0.07	10	9.25	501	1	0.04	23	770	195	0.04	14	2	159
CC107129		<10	<1	0.06	10	7.58	654	1	0.01	42	510	59	0.07	9	2	94
CC107130		<10	<1	0.04	10	10.95	538	1	<0.01	14	170	432	<0.01	88	1	137
CC107131		<10	<1	0.03	10	11.00	502	1	0.01	37	240	69	<0.01	17	1	118
CC107132		<10	<1	0.12	10	5.24	772	4	0.03	74	840	62	0.04	12	3	72
CC107133		10	<1	0.24	20	1.19	472	6	0.04	65	1260	120	0.05	7	4	52
CC107134		<10	<1	0.21	10	1.26	872	6	0.06	93	1120	23	0.05	2	4	43
CC107135		10	<1	0.17	10	1.07	495	4	0.06	72	1090	19	0.09	2	4	60
CC107136		10	<1	0.18	20	1.08	563	8	0.06	69	1080	19	0.06	2	4	60
CC107137		10	<1	0.19	20	1.39	833	9	0.06	104	940	31	0.02	6	8	34
CC107138		<10	<1	0.16	10	0.95	996	8	0.05	81	1040	24	0.11	4	3	55
CC107139		<10	<1	0.14	10	1.12	606	5	0.05	52	1110	20	0.04	3	3	36
CC107140		<10	<1	0.10	10	0.84	458	5	0.04	134	880	23	0.04	2	3	35
CC107141		<10	<1	0.12	20	0.91	418	4	0.03	68	830	27	0.04	4	4	32
CC107142		<10	<1	0.10	20	3.88	696	2	0.04	40	780	16	0.03	3	3	44
CC107143		<10	<1	0.09	10	6.61	535	2	0.04	39	680	19	0.04	5	2	70
CC107144		<10	1	0.09	10	6.35	428	2	0.04	32	710	22	0.04	11	2	72
CC107145		<10	<1	0.12	20	3.32	580	4	0.05	65	1130	55	0.04	14	3	48
CC107146		<10	<1	0.17	20	0.49	371	10	0.04	121	1160	48	0.10	11	3	61
CC107147		<10	<1	0.10	20	5.49	424	3	0.04	46	720	26	0.03	6	2	75
CC107148		<10	<1	0.10	10	5.28	491	3	0.05	53	540	28	0.07	5	3	80
CC107149		<10	<1	0.08	20	5.46	430	1	0.04	39	770	47	0.03	6	2	129
CC107150		<10	<1	0.10	20	3.55	627	2	0.03	39	640	172	0.02	29	3	58
CC107151		<10	<1	0.03	10	11.50	542	2	0.02	18	260	28	<0.01	10	1	184
CC107152		<10	<1	0.06	10	12.10	361	1	0.02	12	280	41	<0.01	5	<1	207
CC107153		<10	<1	0.05	10	12.30	553	7	0.02	22	130	13	<0.01	5	<1	143
CC107154		<10	<1	0.14	20	2.61	992	3	0.04	66	900	93	0.04	17	3	47
CC107155		<10	<1	0.08	10	9.82	979	4	0.03	35	410	26	0.02	2	1	143

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 27- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10112110

Sample Description	Method Analyte Units LOR	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2
CC107116		<20	0.04	<10	<10	67	<10	875
CC107117		<20	0.05	<10	<10	98	10	473
CC107118		<20	0.04	<10	<10	104	10	583
CC107119		<20	0.02	<10	<10	83	<10	330
CC107120		<20	0.02	<10	<10	80	<10	315
CC107121		<20	0.03	<10	<10	159	<10	696
CC107122		<20	0.03	<10	<10	112	<10	344
CC107123		<20	0.02	<10	<10	191	<10	318
CC107124		<20	0.03	<10	10	120	<10	407
CC107125		<20	0.03	<10	<10	217	<10	1395
CC107126		<20	0.03	<10	<10	331	<10	1005
CC107127		<20	0.04	<10	<10	137	<10	585
CC107128		<20	0.02	<10	<10	335	<10	264
CC107129		<20	0.02	<10	<10	263	<10	491
CC107130		<20	0.01	<10	<10	68	<10	483
CC107131		<20	0.01	<10	<10	63	<10	429
CC107132		<20	0.03	<10	<10	157	<10	730
CC107133		<20	0.03	<10	<10	92	<10	441
CC107134		<20	0.06	<10	<10	198	<10	284
CC107135		<20	0.05	<10	<10	133	<10	322
CC107136		<20	0.07	<10	<10	131	<10	245
CC107137		<20	0.08	<10	<10	229	<10	1065
CC107138		<20	0.04	<10	<10	116	<10	437
CC107139		<20	0.05	<10	<10	102	<10	236
CC107140		<20	0.04	<10	<10	64	<10	668
CC107141		<20	0.05	<10	<10	74	<10	279
CC107142		<20	0.04	<10	<10	70	<10	167
CC107143		<20	0.03	<10	<10	71	<10	240
CC107144		<20	0.03	<10	<10	68	<10	174
CC107145		<20	0.04	<10	<10	126	<10	670
CC107146		<20	0.02	<10	<10	178	<10	556
CC107147		<20	0.04	<10	<10	125	<10	274
CC107148		<20	0.04	<10	<10	187	<10	262
CC107149		<20	0.03	<10	<10	165	<10	268
CC107150		<20	0.04	<10	<10	206	<10	255
CC107151		<20	0.01	<10	<10	107	10	190
CC107152		<20	0.01	<10	<10	121	<10	116
CC107153		<20	<0.01	<10	<10	44	10	112
CC107154		<20	0.03	<10	<10	127	10	838
CC107155		<20	0.02	<10	<10	126	20	259

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 27- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10112110

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC107156		0.24	0.034	0.5	1.05	17	<10	2100	0.6	9	13.8	1.5	4	16	22	1.35
CC107157		0.20	0.002	0.4	1.75	27	<10	600	0.7	3	0.68	0.9	8	35	35	2.80
CC107158		0.14	0.004	1.0	1.96	26	<10	1230	1.7	3	3.55	7.8	13	31	56	3.25
CC107159		0.26	0.006	1.2	1.90	36	<10	790	1.0	2	0.90	3.0	9	35	112	3.08
CC107160		0.18	0.003	1.3	2.09	34	<10	1010	0.9	2	0.96	3.3	10	38	93	3.25
CC107161		0.10	0.003	1.1	1.48	17	<10	1090	0.7	2	1.82	2.1	8	34	45	2.50
CC107162		0.14	0.002	1.5	1.48	34	<10	1470	0.7	2	0.84	3.2	10	36	50	2.84
CC107163		0.20	0.002	1.0	1.86	24	<10	840	0.8	2	0.49	2.6	10	37	69	2.95
CC107164		0.14	0.004	0.6	1.72	37	<10	850	0.9	<2	3.37	3.7	11	27	61	3.14
CC107165		0.24	0.006	0.4	0.64	46	<10	240	0.8	<2	13.8	2.0	7	10	21	2.41
CC107166		0.24	0.025	0.5	0.97	46	<10	590	1.4	3	10.5	4.4	8	13	32	2.77
CC107167		0.24	0.005	0.5	1.20	48	<10	650	0.6	<2	2.13	31.8	14	22	68	2.32
CC107168		0.24	0.002	0.5	1.97	16	<10	290	0.8	3	3.25	2.6	10	34	24	3.04
CC107169		0.28	0.003	<0.2	1.74	28	<10	330	0.5	2	0.50	1.5	8	35	27	4.10
CC107170		0.24	0.009	0.6	1.68	32	<10	580	0.7	<2	0.24	67.5	34	30	88	3.49
CC107171		0.22	0.002	0.5	1.84	18	<10	470	0.7	<2	0.64	7.8	11	32	35	2.91
CC107172		0.22	0.003	0.7	1.51	32	<10	800	0.6	<2	1.26	52.0	20	26	107	3.13
CC107173		0.30	0.026	0.9	1.63	26	<10	1580	0.7	<2	0.56	5.8	8	30	57	2.79
CC107174		0.30	0.005	0.9	2.03	30	<10	630	1.1	<2	3.77	10.3	11	29	50	3.52
CC107175		0.22	0.007	1.1	0.79	45	<10	510	1.4	2	11.9	9.9	9	13	56	2.82
CC107176		0.28	0.004	1.2	1.65	36	<10	990	0.9	<2	2.88	3.9	10	32	129	3.04
CC107177		0.26	0.003	1.0	1.69	37	<10	900	0.6	<2	0.38	1.6	7	37	65	2.88
CC107178		0.32	0.003	0.9	1.54	32	<10	780	0.6	<2	0.26	0.8	8	34	56	2.54
CC107179		0.22	0.003	0.5	1.37	32	<10	480	1.1	<2	0.26	1.7	10	30	51	3.05
CC107180		0.26	0.008	1.0	1.87	35	<10	710	1.2	<2	0.84	5.0	10	37	59	3.25
CC107181		0.16	0.003	0.5	1.35	13	<10	350	0.6	<2	1.26	1.8	7	26	22	1.97
CC107182		0.28	0.003	0.4	1.18	14	<10	410	0.5	<2	4.71	1.5	7	22	29	2.16
CC107183		0.18	0.005	1.0	1.72	28	<10	770	0.8	<2	0.91	32.2	13	30	93	2.60
CC107184		0.20	NSS	<0.2	0.28	846	<10	490	11.3	5	9.1	7.8	176	1	10	21.4
CC107185		0.30	0.012	0.7	0.72	46	<10	290	1.0	3	12.3	3.2	9	11	15	2.89
CC107186		0.30	0.005	0.7	1.77	47	<10	550	1.1	<2	3.01	4.5	13	27	49	3.45
CC107187		0.26	0.005	0.9	1.83	34	<10	570	1.0	<2	0.99	3.6	12	31	70	3.35
CC107188		0.20	0.003	0.7	1.82	25	<10	780	0.8	<2	0.79	3.1	11	34	41	3.03
CC107189		0.30	0.008	1.1	1.60	31	<10	780	0.7	<2	0.58	2.4	9	34	58	2.86
CC107190		0.14	0.003	1.1	1.65	35	<10	640	0.7	<2	0.77	1.1	8	34	50	2.93
CC107191		0.12	0.014	0.8	1.45	24	<10	1320	0.7	<2	3.30	2.2	5	26	55	2.28
CC107192		0.24	0.005	0.4	0.81	35	<10	710	0.6	<2	14.8	0.6	2	11	12	1.04
CC107193		0.22	<0.001	0.2	0.98	4	<10	140	<0.5	<2	15.3	<0.5	2	14	4	0.68
CC107194		0.26	0.004	0.4	1.59	26	<10	470	0.8	<2	0.49	0.9	12	27	43	4.03
CC107195		0.30	0.008	0.8	1.79	26	<10	710	0.8	<2	0.58	1.7	10	33	47	3.07

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 27- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10112110

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC107156		<10	<1	0.09	10	9.29	467	1	0.05	21	330	26	<0.01	2	2	134
CC107157		<10	1	0.16	20	0.68	309	4	0.03	36	1110	63	0.02	3	3	38
CC107158		<10	<1	0.18	20	2.40	1365	3	0.05	71	1120	43	0.05	<2	3	43
CC107159		10	<1	0.21	20	0.78	461	4	0.04	56	1180	70	0.04	4	3	48
CC107160		<10	<1	0.18	20	0.63	1510	6	0.03	54	1280	83	0.04	3	3	46
CC107161		<10	<1	0.13	10	0.59	753	3	0.04	36	1210	54	0.10	2	2	44
CC107162		<10	<1	0.15	20	0.54	479	7	0.04	37	1070	84	0.05	3	3	45
CC107163		<10	<1	0.17	20	0.57	341	4	0.03	50	1080	71	0.02	<2	4	37
CC107164		<10	<1	0.16	20	1.87	795	2	0.04	49	1040	41	0.06	3	3	52
CC107165		<10	<1	0.08	10	8.99	302	8	0.02	64	370	21	0.24	<2	1	98
CC107166		<10	<1	0.10	10	6.83	294	6	0.03	73	540	27	0.19	<2	2	89
CC107167		<10	<1	0.14	10	0.62	257	6	0.03	63	840	60	0.49	3	3	39
CC107168		<10	<1	0.14	20	1.40	604	1	0.07	36	1100	45	0.02	<2	4	53
CC107169		<10	<1	0.15	10	0.51	422	2	0.02	32	790	45	0.02	2	3	20
CC107170		<10	<1	0.15	20	0.55	1620	5	0.02	193	1210	57	0.03	3	4	26
CC107171		<10	1	0.14	10	0.57	590	2	0.02	52	1060	38	0.03	3	3	28
CC107172		<10	1	0.14	10	0.50	1350	4	0.02	89	1110	51	0.08	3	3	37
CC107173		<10	<1	0.15	20	0.51	284	4	0.02	48	1140	67	0.06	4	3	38
CC107174		<10	1	0.21	10	2.57	500	4	0.03	83	1140	52	0.02	5	3	58
CC107175		<10	<1	0.09	10	7.22	1140	6	0.01	97	450	24	0.01	2	1	113
CC107176		<10	1	0.16	10	1.96	693	5	0.03	63	960	64	0.04	5	4	50
CC107177		<10	<1	0.16	20	0.50	291	6	0.01	40	950	94	0.03	4	3	38
CC107178		<10	<1	0.13	20	0.47	301	5	0.01	35	1000	73	0.03	4	3	35
CC107179		<10	1	0.13	10	0.46	280	5	0.01	86	890	60	0.01	3	3	25
CC107180		10	1	0.16	10	0.59	364	4	0.02	73	1020	66	0.04	4	3	36
CC107181		<10	<1	0.11	10	0.64	175	1	0.03	29	820	31	0.08	<2	3	32
CC107182		<10	1	0.13	10	2.06	314	2	0.03	31	880	33	0.08	2	3	54
CC107183		<10	1	0.17	10	0.60	386	3	0.02	73	1050	60	0.13	4	4	36
CC107184		<10	<1	0.04	<10	0.15	25900	30	0.02	1040	640	13	0.13	<2	1	33
CC107185		<10	<1	0.07	10	7.43	679	6	0.02	62	500	30	0.04	<2	1	91
CC107186		<10	<1	0.16	10	2.04	1055	4	0.03	77	890	40	0.03	2	3	40
CC107187		<10	1	0.22	20	0.97	578	4	0.02	57	970	64	0.03	4	4	35
CC107188		<10	<1	0.15	10	0.71	1890	5	0.02	41	930	43	0.04	3	4	29
CC107189		<10	<1	0.13	10	0.57	563	4	0.02	40	1000	66	0.03	4	4	33
CC107190		<10	1	0.18	10	0.46	594	6	0.02	35	1050	69	0.04	3	3	38
CC107191		<10	1	0.16	10	1.09	425	3	0.03	30	1160	44	0.13	3	2	48
CC107192		<10	<1	0.11	10	9.48	625	2	0.02	12	370	11	0.04	<2	1	89
CC107193		<10	1	0.08	10	10.50	195	2	0.02	10	140	<2	<0.01	<2	1	77
CC107194		<10	<1	0.18	20	0.60	1070	4	0.02	37	620	49	0.03	4	5	20
CC107195		<10	<1	0.14	20	0.67	492	4	0.02	41	630	43	0.02	3	4	23

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CERTIFICATE OF ANALYSIS VA10112110

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC107156		<20	0.02	<10	<10	97	<10	185
CC107157		<20	0.04	<10	<10	83	<10	211
CC107158		<20	0.03	<10	<10	66	10	737
CC107159		<20	0.03	<10	<10	69	<10	406
CC107160		<20	0.02	<10	<10	76	<10	296
CC107161		<20	0.02	<10	<10	57	<10	236
CC107162		<20	0.02	<10	<10	75	<10	251
CC107163		<20	0.03	<10	<10	75	<10	359
CC107164		<20	0.02	<10	<10	56	<10	492
CC107165		<20	0.01	<10	<10	22	10	1300
CC107166		<20	0.02	<10	<10	35	10	1260
CC107167		<20	0.03	<10	<10	62	10	601
CC107168		<20	0.04	<10	<10	42	<10	238
CC107169		<20	0.03	<10	<10	75	<10	199
CC107170		<20	0.04	<10	<10	61	<10	2100
CC107171		<20	0.03	<10	<10	57	<10	478
CC107172		<20	0.02	<10	<10	62	<10	935
CC107173		<20	0.02	<10	<10	63	<10	428
CC107174		<20	0.03	<10	<10	59	<10	868
CC107175		<20	0.02	<10	<10	34	10	1825
CC107176		<20	0.03	<10	<10	73	<10	517
CC107177		<20	0.03	<10	<10	82	<10	256
CC107178		<20	0.03	<10	<10	64	<10	172
CC107179		<20	0.04	<10	<10	67	<10	717
CC107180		<20	0.03	<10	<10	85	<10	484
CC107181		<20	0.02	<10	<10	39	<10	259
CC107182		<20	0.03	<10	<10	39	<10	189
CC107183		<20	0.02	<10	<10	69	<10	816
CC107184		<20	0.01	30	10	7	50	9210
CC107185		<20	0.02	<10	<10	23	10	1080
CC107186		<20	0.03	<10	<10	53	<10	727
CC107187		<20	0.03	<10	<10	68	<10	391
CC107188		<20	0.03	<10	<10	66	<10	261
CC107189		<20	0.03	<10	<10	69	<10	231
CC107190		<20	0.02	<10	<10	74	<10	222
CC107191		<20	0.02	<10	<10	52	<10	222
CC107192		<20	0.02	<10	10	19	<10	70
CC107193		<20	0.03	<10	<10	17	<10	21
CC107194		<20	0.03	<10	<10	62	<10	157
CC107195		<20	0.04	<10	<10	76	<10	189

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CERTIFICATE OF ANALYSIS VA10112110

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC107196		0.18	0.004	0.2	0.35	52	<10	960	2.3	<2	14.7	1.4	6	5	15	3.61
CC107197		0.30	0.003	0.2	0.17	6	<10	160	<0.5	<2	18.8	<0.5	3	3	3	0.69
CC107198		0.24	0.006	0.2	0.29	12	<10	50	<0.5	<2	16.7	<0.5	1	4	5	0.78
CC107199		0.22	0.025	<0.2	0.20	10	<10	300	<0.5	<2	18.3	<0.5	1	3	1	0.43
CC107200		0.22	0.005	0.4	1.34	23	<10	250	0.5	<2	6.32	0.5	7	27	27	2.48

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 27- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10112110

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC107196		<10	<1	0.04	10	9.03	744	9	0.01	105	330	5	0.06	5	1	105
CC107197		<10	1	0.04	10	11.45	690	26	0.01	44	140	<2	<0.01	2	<1	110
CC107198		<10	<1	0.02	10	10.30	727	3	0.01	18	250	2	<0.01	2	<1	94
CC107199		<10	1	0.05	10	11.10	454	5	0.01	18	120	<2	<0.01	2	<1	121
CC107200		<10	1	0.10	10	4.35	539	2	0.02	36	460	16	0.02	2	3	46

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CERTIFICATE OF ANALYSIS VA10112110

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC107196		<20	0.01	<10	10	40	10	1040
CC107197		<20	<0.01	<10	10	27	10	63
CC107198		<20	0.01	<10	<10	29	20	34
CC107199		<20	0.01	<10	<10	95	<10	37
CC107200		<20	0.04	<10	<10	76	<10	114

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CERTIFICATE OF ANALYSIS VA10112110

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non- sufficient sample.

ALS Canada Ltd.

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 23- AUG- 2010
Account: RCM

CERTIFICATE VA10112111

Project: RAU

P.O. No.:

This report is for 139 Soil samples submitted to our lab in Vancouver, BC, Canada on 12- AUG- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
PUL- 31	Pulverize split to 85% < 75 um
LOG- 21	Sample logging - ClientBarCode
SCR- 43	Screen to - 500um, discard plus
SCR- 01	Screen - Save plus fraction

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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North Vancouver BC V7H 0A7
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 23- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10112111

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC107824		0.18	0.003	2.4	1.47	12	<10	240	0.5	<2	0.17	1.5	16	26	58	3.62
CC107825		0.20	0.004	0.6	1.79	11	<10	470	0.5	<2	0.21	1.2	11	35	66	3.11
CC107826		0.16	0.002	0.8	1.69	11	<10	310	<0.5	<2	0.15	1.5	11	39	55	3.23
CC107827		0.20	0.003	1.0	1.62	14	<10	330	<0.5	<2	0.15	1.4	9	39	59	2.98
CC107828		0.18	0.001	0.3	1.96	12	<10	500	0.5	<2	0.45	0.6	4	36	32	2.47
CC107829		0.16	0.004	0.6	2.39	14	<10	270	0.6	<2	0.26	0.5	12	37	28	3.28
CC107830		0.18	0.006	1.5	1.25	30	<10	240	<0.5	<2	0.08	0.5	4	35	45	3.77
CC107831		0.18	0.007	1.9	1.02	23	<10	450	<0.5	<2	0.07	1.7	16	47	77	5.32
CC107832		0.22	0.010	2.7	1.43	97	<10	710	<0.5	12	1.88	2.7	22	124	136	4.22
CC107833		0.24	0.002	<0.2	0.32	14	<10	50	<0.5	<2	5.50	<0.5	9	4	34	2.77
CC107834		0.20	0.002	0.3	0.45	18	<10	320	<0.5	<2	1.37	<0.5	8	12	34	2.61
CC107835		0.24	0.005	1.0	0.83	18	<10	2070	<0.5	<2	0.83	1.8	7	26	51	2.61
CC107836		0.22	0.007	1.9	1.01	26	<10	1620	<0.5	<2	1.67	2.5	13	89	96	3.44
CC107837		0.20	0.006	3.5	1.42	49	<10	720	<0.5	<2	0.49	8.3	11	102	147	3.69
CC107838		0.24	0.009	2.3	1.81	37	<10	290	<0.5	<2	0.22	4.4	7	54	126	4.22
CC107839		0.18	0.012	9.2	1.48	99	<10	590	0.5	<2	0.19	1.1	1	90	80	3.76
CC107840		0.16	0.003	1.7	1.45	31	<10	420	<0.5	<2	0.17	1.4	6	43	78	2.85
CC107841		0.20	0.004	0.7	2.04	23	<10	470	0.6	<2	0.10	1.7	11	48	90	3.26
CC107842		0.16	0.004	1.8	1.17	22	<10	990	<0.5	<2	0.28	3.4	7	39	146	2.23
CC107843		0.16	0.007	0.9	1.56	16	<10	330	<0.5	<2	0.28	2.4	12	49	140	3.12
CC107844		0.18	0.005	1.3	1.27	9	<10	220	<0.5	<2	0.17	2.5	10	25	62	3.69
CC107845		0.14	0.002	1.2	1.61	4	<10	350	<0.5	<2	0.31	2.7	9	25	53	3.63
CC107846		0.22	0.004	1.0	1.98	11	<10	380	<0.5	<2	0.54	1.5	13	77	152	3.59
CC107847		0.18	0.004	0.4	1.89	15	<10	380	<0.5	<2	0.31	3.0	14	54	237	3.55
CC107848		0.22	0.003	0.9	1.59	16	<10	620	<0.5	<2	0.18	2.3	6	46	59	2.63
CC107849		0.14	0.004	0.7	1.71	11	<10	420	<0.5	<2	0.26	9.2	14	46	239	3.93
CC107850		0.16	0.006	2.3	0.75	36	<10	680	<0.5	<2	0.12	0.9	2	54	50	1.76
CC107851		0.16	0.005	2.2	1.81	36	<10	410	0.6	<2	0.19	1.3	7	63	63	2.92
CC107852		0.16	0.009	2.6	1.38	19	<10	370	0.5	<2	0.63	4.7	7	30	69	3.74
CC107853		0.16	0.013	2.0	1.24	14	<10	280	<0.5	<2	0.22	4.0	11	25	137	4.36
CC107854		0.20	0.006	2.0	2.60	27	<10	1170	<0.5	<2	1.07	13.1	19	123	104	4.84
CC107855		0.26	0.001	<0.2	0.29	11	<10	180	<0.5	<2	7.7	1.3	7	4	25	2.62
CC107856		0.16	0.004	0.9	0.83	25	<10	1290	<0.5	<2	1.74	2.9	13	63	54	3.17
CC107857		0.18	0.003	0.6	0.76	21	<10	1440	<0.5	<2	1.55	4.0	12	33	51	3.22
CC107858		0.20	0.004	1.1	1.44	23	<10	4290	<0.5	<2	0.75	5.5	17	67	49	4.15
CC107859		0.20	0.009	1.4	1.16	21	<10	930	<0.5	<2	0.28	2.6	8	30	73	4.00
CC107860		0.14	0.012	1.9	1.07	23	<10	990	<0.5	<2	0.88	7.5	5	32	104	2.82
CC107861		0.16	0.012	3.5	1.20	39	<10	490	<0.5	<2	0.21	1.1	4	38	64	3.26
CC107862		0.14	0.007	2.2	0.68	23	<10	410	<0.5	<2	0.07	1.1	2	28	36	2.20
CC107863		0.18	0.004	2.3	1.61	19	<10	400	<0.5	<2	0.24	0.9	7	42	48	2.97

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 23- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10112111

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC107824		10	<1	0.24	10	0.67	905	6	0.02	39	1310	23	0.05	2	1	22
CC107825		<10	<1	0.19	10	0.91	476	8	0.01	49	770	16	0.04	3	3	28
CC107826		10	<1	0.13	10	0.87	519	10	0.01	52	960	20	0.04	3	2	29
CC107827		10	<1	0.10	10	0.72	360	15	0.01	56	1050	17	0.05	4	2	37
CC107828		10	<1	0.08	10	0.54	187	6	0.01	33	1210	23	0.05	<2	1	37
CC107829		<10	<1	0.06	10	0.65	336	3	0.01	42	930	14	0.02	<2	3	27
CC107830		10	<1	0.13	10	0.51	174	9	0.02	24	1260	15	0.22	6	2	50
CC107831		<10	<1	0.18	10	0.37	307	7	0.04	60	2360	12	0.42	8	2	128
CC107832		<10	<1	0.16	10	1.75	370	6	0.01	171	2240	214	0.18	81	4	57
CC107833		<10	<1	0.06	10	2.92	457	<1	0.01	17	600	27	0.02	3	2	66
CC107834		<10	<1	0.06	10	0.74	317	<1	0.01	21	500	26	0.03	2	2	28
CC107835		<10	1	0.08	10	0.47	298	4	0.02	31	1370	18	0.09	5	2	56
CC107836		<10	<1	0.09	10	0.91	385	5	0.01	95	1720	38	0.18	21	3	75
CC107837		<10	1	0.23	10	1.00	164	25	0.01	137	3540	17	0.29	26	4	135
CC107838		<10	<1	0.28	20	0.81	168	36	0.02	110	2880	17	0.51	12	3	119
CC107839		<10	1	0.28	10	0.69	108	58	0.01	53	3730	18	0.46	40	2	200
CC107840		<10	<1	0.10	10	0.52	124	22	0.01	66	1870	13	0.08	10	1	77
CC107841		<10	<1	0.10	10	0.97	261	20	0.01	96	840	14	0.07	3	3	43
CC107842		<10	1	0.13	10	0.60	304	27	0.01	117	1550	12	0.12	6	<1	57
CC107843		<10	<1	0.17	10	1.21	306	13	0.01	97	2080	12	0.13	3	2	77
CC107844		<10	<1	0.19	30	0.67	315	6	0.01	44	1780	16	0.12	<2	1	38
CC107845		10	<1	0.26	30	0.88	265	4	0.01	40	2240	17	0.13	<2	1	65
CC107846		10	1	0.23	10	1.98	433	7	0.01	103	1790	12	0.20	2	3	63
CC107847		<10	<1	0.17	10	1.62	434	10	0.01	148	1590	11	0.13	3	3	67
CC107848		10	<1	0.09	10	0.66	211	20	0.01	69	1420	15	0.06	5	1	39
CC107849		10	<1	0.24	10	1.64	343	5	0.03	156	1620	10	0.32	<2	4	57
CC107850		<10	<1	0.14	10	0.16	107	49	0.01	17	1660	20	0.14	24	<1	58
CC107851		10	<1	0.11	20	0.59	186	17	0.01	46	3040	13	0.06	8	1	85
CC107852		<10	1	0.41	10	1.06	182	19	0.02	58	3940	17	0.44	7	2	138
CC107853		<10	<1	0.26	20	0.54	163	41	0.03	144	2700	13	0.30	3	2	55
CC107854		10	<1	0.29	10	2.33	400	12	0.02	123	1640	7	0.17	12	10	102
CC107855		<10	<1	0.07	10	4.56	572	<1	0.01	15	550	24	0.03	2	2	108
CC107856		<10	1	0.11	10	0.82	529	3	0.01	67	1420	23	0.16	10	2	45
CC107857		<10	<1	0.08	10	0.92	444	4	0.01	43	960	20	0.08	8	3	52
CC107858		<10	<1	0.09	10	1.18	527	20	0.02	73	1620	12	0.11	9	4	73
CC107859		<10	1	0.21	10	0.72	156	17	0.03	72	1860	12	0.32	4	2	99
CC107860		<10	1	0.16	10	0.68	86	13	0.02	94	2870	14	0.20	7	2	118
CC107861		<10	1	0.34	10	0.90	115	24	0.01	40	2340	14	0.48	13	2	142
CC107862		<10	<1	0.17	10	0.25	86	17	0.01	19	1410	17	0.28	6	<1	82
CC107863		<10	<1	0.09	10	0.70	221	8	0.01	40	1860	17	0.06	3	1	68

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Finalized Date: 23- AUG- 2010
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CERTIFICATE OF ANALYSIS VA10112111

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC107824		<20	0.04	<10	<10	66	<10	145
CC107825		<20	0.04	<10	<10	121	<10	222
CC107826		<20	0.05	<10	<10	137	<10	263
CC107827		<20	0.05	<10	<10	155	<10	284
CC107828		<20	0.02	<10	<10	130	<10	115
CC107829		<20	0.04	<10	<10	76	<10	132
CC107830		<20	0.09	<10	<10	137	<10	104
CC107831		<20	0.02	<10	<10	58	<10	202
CC107832		<20	0.04	<10	<10	77	<10	320
CC107833		<20	<0.01	<10	<10	7	<10	73
CC107834		<20	0.01	<10	<10	26	<10	64
CC107835		<20	0.03	<10	<10	103	<10	138
CC107836		<20	0.04	<10	<10	91	<10	259
CC107837		<20	0.07	<10	<10	248	<10	483
CC107838		<20	0.10	<10	<10	335	<10	495
CC107839		<20	0.16	<10	10	559	<10	141
CC107840		<20	0.03	<10	<10	230	<10	263
CC107841		<20	0.06	<10	<10	183	<10	385
CC107842		<20	0.01	<10	<10	239	<10	599
CC107843		<20	0.05	<10	<10	153	<10	383
CC107844		<20	0.03	<10	<10	74	<10	210
CC107845		<20	0.04	<10	<10	67	<10	318
CC107846		<20	0.06	<10	<10	115	<10	408
CC107847		<20	0.06	<10	<10	155	<10	589
CC107848		<20	0.04	<10	<10	282	<10	383
CC107849		<20	0.06	<10	<10	95	<10	642
CC107850		<20	0.05	<10	<10	431	<10	90
CC107851		<20	0.04	<10	<10	214	<10	160
CC107852		<20	0.07	<10	<10	135	<10	262
CC107853		<20	0.03	<10	<10	216	<10	865
CC107854		<20	0.20	<10	<10	214	<10	611
CC107855		<20	<0.01	<10	<10	7	<10	86
CC107856		<20	0.03	<10	<10	61	<10	209
CC107857		<20	0.03	<10	<10	67	<10	219
CC107858		<20	0.06	<10	<10	144	<10	442
CC107859		<20	0.03	<10	<10	107	<10	341
CC107860		<20	0.04	<10	<10	150	<10	454
CC107861		<20	0.11	<10	<10	235	<10	184
CC107862		<20	0.03	<10	<10	197	<10	87
CC107863		<20	0.02	<10	<10	184	<10	141

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2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 23- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10112111

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC107864		0.22	0.003	1.9	1.85	25	<10	410	0.5	<2	0.16	1.4	9	42	57	2.97
CC107865		0.14	0.002	0.5	0.47	4	<10	300	<0.5	<2	0.12	4.2	3	12	63	1.71
CC107866		0.22	0.008	0.5	2.18	2	<10	280	<0.5	<2	0.37	10.6	32	73	138	4.00
CC107867		0.20	0.002	<0.2	1.26	18	<10	150	<0.5	<2	0.11	0.8	9	22	38	2.94
CC107868		0.26	0.006	0.9	0.67	31	<10	540	<0.5	<2	4.11	8.7	9	19	73	2.53
CC107869		0.18	0.003	0.5	0.69	21	<10	400	<0.5	<2	4.29	15.4	8	16	65	1.85
CC107870		0.14	0.006	0.4	0.71	18	<10	660	<0.5	<2	3.02	6.1	8	20	40	2.05
CC107871		0.16	<0.001	0.6	0.89	24	<10	640	<0.5	<2	1.64	2.5	10	22	45	2.59
CC107872		0.14	<0.001	0.4	0.77	20	<10	560	<0.5	<2	2.21	2.8	9	19	37	2.31
CC107873		0.18	<0.001	1.6	0.77	19	<10	640	<0.5	<2	3.62	1.7	6	21	28	1.64
CC107874		0.16	0.002	<0.2	0.29	5	<10	170	<0.5	<2	11.0	0.7	3	4	6	0.52
CC107875		0.18	<0.001	<0.2	0.69	8	<10	170	<0.5	<2	8.3	0.7	5	8	7	1.09
CC107876		0.22	<0.001	0.5	0.69	21	<10	140	<0.5	<2	9.0	0.8	6	11	13	1.43
CC107877		0.20	<0.001	0.6	0.96	20	<10	170	<0.5	<2	8.2	0.6	6	15	14	1.86
CC107878		0.20	0.002	<0.2	1.62	20	<10	180	0.5	<2	0.58	0.8	7	26	13	3.02
CC107879		0.26	0.003	0.5	1.01	17	<10	290	<0.5	<2	4.14	1.4	8	20	38	2.31
CC107880		0.26	0.002	0.9	0.86	23	<10	980	<0.5	<2	5.01	1.1	8	19	35	2.04
CC107881		0.12	0.005	4.4	0.92	40	<10	590	<0.5	<2	3.66	1.4	9	25	40	2.13
CC107882		0.12	0.001	2.3	1.06	19	<10	760	<0.5	<2	2.45	1.8	9	26	57	2.33
CC107883		0.20	0.001	0.5	0.76	20	<10	450	<0.5	<2	2.93	2.1	8	18	33	2.12
CC107884		0.26	0.003	0.6	0.74	20	<10	430	<0.5	<2	2.90	2.4	9	18	34	2.21
CC107885		0.14	0.001	0.9	1.05	37	<10	740	<0.5	<2	1.49	3.6	12	28	51	2.83
CC107886		0.14	<0.001	0.7	0.83	20	<10	430	<0.5	<2	2.46	6.4	8	33	130	1.92
CC107887		0.14	<0.001	0.6	0.89	20	<10	340	<0.5	<2	2.67	58.4	15	29	182	1.52
CC107888		0.22	<0.001	0.4	1.19	20	<10	270	<0.5	<2	2.13	37.4	10	22	51	1.91
CC107889		0.16	0.002	0.9	0.94	17	<10	270	<0.5	<2	2.45	28.8	9	30	56	1.63
CC107890		0.30	<0.001	1.2	0.64	70	<10	460	<0.5	<2	4.16	8.7	10	21	87	2.89
CC107891		0.24	0.003	0.5	0.55	47	<10	230	<0.5	<2	5.62	4.9	9	14	53	2.87
CC107892		0.22	<0.001	0.7	0.85	42	<10	380	<0.5	<2	3.58	5.7	11	25	75	2.81
CC107893		0.12	0.001	0.5	0.97	21	<10	670	<0.5	<2	3.36	1.6	10	20	43	2.62
CC107894		0.32	0.002	0.5	0.69	27	<10	610	<0.5	<2	5.57	1.5	9	16	36	2.29
CC107895		0.20	<0.001	1.1	0.88	20	<10	510	<0.5	<2	3.09	1.6	9	19	38	2.26
CC107896		0.24	0.002	0.5	0.97	20	<10	570	<0.5	<2	3.09	1.7	10	20	50	2.60
CC107897		0.22	0.001	0.4	1.04	23	<10	830	0.5	<2	2.71	1.2	11	20	56	2.92
CC107898		0.22	0.002	<0.2	1.61	23	<10	320	0.6	<2	0.82	0.5	11	28	27	3.16
CC107899		0.20	<0.001	0.4	0.93	23	<10	290	<0.5	<2	1.76	0.9	11	17	26	2.95
CC107900		0.18	0.002	0.8	1.72	73	<10	230	0.7	2	2.75	0.5	15	26	33	4.96
CC107901		0.10	0.024	0.4	1.02	28	<10	220	<0.5	<2	3.93	2.0	7	17	39	2.07
CC107902		0.18	0.012	0.2	0.88	22	<10	200	<0.5	<2	5.05	0.7	6	15	15	1.99
CC107903		0.14	0.001	0.4	1.15	16	<10	400	<0.5	<2	3.58	0.7	9	20	24	2.57

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CERTIFICATE OF ANALYSIS VA10112111

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC107864		10	<1	0.11	10	0.74	208	12	0.01	43	1200	15	0.05	8	2	46
CC107865		<10	<1	0.12	10	0.06	112	5	0.01	17	1140	11	0.19	3	<1	56
CC107866		10	<1	0.30	20	2.17	1080	7	0.01	134	1470	7	0.09	<2	4	44
CC107867		10	<1	0.09	10	0.56	402	4	0.01	31	890	11	0.03	<2	1	15
CC107868		<10	<1	0.09	10	2.02	478	21	0.02	93	1080	26	0.06	8	2	77
CC107869		<10	<1	0.09	10	1.58	413	12	0.02	114	860	14	0.08	4	1	92
CC107870		<10	<1	0.07	10	1.72	446	4	0.02	73	1190	24	0.07	4	2	53
CC107871		<10	<1	0.08	10	0.79	841	5	0.02	41	1150	31	0.09	8	2	43
CC107872		<10	<1	0.08	10	1.15	699	3	0.02	34	1140	37	0.09	4	2	44
CC107873		<10	<1	0.08	10	2.00	252	1	0.02	23	1180	22	0.14	<2	2	50
CC107874		<10	<1	0.02	<10	6.43	346	1	0.02	3	640	25	0.05	<2	<1	21
CC107875		<10	<1	0.02	10	5.00	1205	<1	0.02	5	730	39	0.05	<2	1	15
CC107876		<10	<1	0.04	10	5.49	1330	1	0.02	13	780	40	0.04	3	1	23
CC107877		<10	<1	0.05	10	5.14	878	1	0.02	15	550	35	0.02	2	2	20
CC107878		10	<1	0.05	10	0.49	466	1	0.01	18	440	53	0.02	2	3	11
CC107879		<10	<1	0.09	10	2.67	517	3	0.02	32	1010	28	0.02	2	2	47
CC107880		<10	<1	0.08	10	3.29	396	3	0.02	31	1080	21	0.04	3	2	47
CC107881		<10	1	0.08	10	2.08	779	2	0.02	33	1130	21	0.10	<2	2	57
CC107882		<10	<1	0.09	10	1.18	998	2	0.02	41	1120	24	0.07	2	2	47
CC107883		<10	<1	0.07	10	1.60	539	2	0.02	28	1090	49	0.10	5	2	46
CC107884		<10	<1	0.07	10	1.65	558	2	0.02	30	1120	49	0.10	4	2	42
CC107885		<10	1	0.10	10	0.62	933	9	0.02	42	1510	23	0.11	8	2	55
CC107886		<10	<1	0.09	10	0.77	310	11	0.02	84	2470	14	0.08	6	2	83
CC107887		<10	<1	0.09	10	0.77	568	13	0.02	189	2070	8	0.10	8	1	98
CC107888		<10	1	0.13	10	1.62	351	44	0.02	224	850	10	0.06	6	2	73
CC107889		<10	1	0.10	10	1.08	341	18	0.02	159	1060	10	0.07	7	1	91
CC107890		<10	<1	0.08	10	2.08	533	18	0.02	113	1040	39	0.04	10	2	61
CC107891		<10	1	0.09	10	3.33	623	12	0.02	63	960	61	0.04	7	3	60
CC107892		<10	<1	0.08	10	1.99	530	6	0.02	59	1030	31	0.05	8	2	43
CC107893		<10	<1	0.11	10	1.46	1235	3	0.02	37	1040	39	0.15	7	2	51
CC107894		<10	1	0.09	10	3.10	412	3	0.02	30	1100	25	0.08	6	2	65
CC107895		<10	1	0.10	10	1.63	377	2	0.02	30	1090	25	0.11	5	2	55
CC107896		<10	<1	0.11	10	1.68	554	3	0.02	37	940	32	0.07	3	3	50
CC107897		<10	<1	0.10	10	1.73	551	4	0.02	39	810	37	0.03	4	3	34
CC107898		10	<1	0.07	10	0.76	604	1	0.02	31	500	31	0.02	2	4	20
CC107899		<10	<1	0.11	10	0.91	847	1	0.02	22	770	64	0.05	2	3	21
CC107900		<10	<1	0.04	20	1.82	1460	3	<0.01	39	760	116	0.02	6	4	21
CC107901		<10	<1	0.07	10	1.95	683	2	<0.01	19	1010	23	0.08	3	2	25
CC107902		<10	<1	0.04	10	3.02	533	2	<0.01	14	800	27	0.03	<2	1	25
CC107903		<10	<1	0.10	10	1.68	534	2	0.01	22	960	33	0.08	<2	2	43

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CERTIFICATE OF ANALYSIS VA10112111

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC107864		<20	0.05	<10	<10	212	<10	171
CC107865		<20	0.01	<10	<10	38	<10	82
CC107866		<20	0.07	<10	<10	104	<10	541
CC107867		<20	0.04	<10	<10	53	<10	150
CC107868		<20	0.02	<10	<10	92	<10	545
CC107869		<20	0.02	<10	<10	71	<10	679
CC107870		<20	0.02	<10	<10	60	<10	682
CC107871		<20	0.02	<10	<10	61	<10	257
CC107872		<20	0.02	<10	<10	49	<10	237
CC107873		<20	0.02	<10	<10	41	<10	167
CC107874		<20	0.01	<10	<10	9	<10	118
CC107875		<20	0.01	<10	<10	20	<10	248
CC107876		<20	0.01	<10	<10	22	<10	189
CC107877		<20	0.02	<10	<10	30	<10	202
CC107878		<20	0.02	<10	<10	53	<10	209
CC107879		<20	0.02	<10	<10	53	<10	184
CC107880		<20	0.02	<10	<10	50	<10	171
CC107881		<20	0.02	<10	<10	45	<10	179
CC107882		<20	0.02	<10	<10	59	<10	196
CC107883		<20	0.02	<10	<10	43	<10	222
CC107884		<20	0.02	<10	<10	42	<10	244
CC107885		<20	0.02	<10	<10	117	<10	326
CC107886		<20	0.03	<10	<10	160	<10	620
CC107887		<20	0.03	<10	<10	210	<10	2200
CC107888		<20	0.05	<10	<10	167	<10	1405
CC107889		<20	0.03	<10	<10	148	<10	1285
CC107890		<20	0.01	<10	<10	108	<10	636
CC107891		<20	0.01	<10	<10	61	<10	383
CC107892		<20	0.01	<10	<10	113	<10	330
CC107893		<20	0.02	<10	<10	51	<10	198
CC107894		<20	0.02	10	<10	43	<10	167
CC107895		<20	0.02	10	<10	42	<10	158
CC107896		<20	0.02	<10	<10	55	<10	228
CC107897		<20	0.02	<10	<10	68	<10	189
CC107898		<20	0.03	<10	<10	56	<10	120
CC107899		<20	0.02	<10	<10	32	<10	182
CC107900		<20	0.02	<10	<10	55	<10	356
CC107901		<20	0.02	<10	<10	29	<10	345
CC107902		<20	0.02	<10	<10	28	<10	140
CC107903		<20	0.01	<10	<10	30	<10	170

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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC107904		0.22	0.003	0.5	1.05	21	<10	230	<0.5	<2	4.78	0.6	9	19	30	2.59
CC107905		0.32	0.001	0.4	0.99	33	<10	200	<0.5	<2	5.08	0.6	8	17	25	2.59
CC107906		0.24	<0.001	0.4	1.02	15	<10	290	<0.5	<2	3.37	0.8	9	18	21	2.69
CC107907		0.24	<0.001	0.4	1.30	14	<10	290	0.5	<2	1.55	0.9	10	23	30	2.82
CC107908		0.32	0.001	0.4	1.15	21	<10	260	0.5	<2	4.52	0.9	9	21	32	2.59
CC107909		0.24	0.007	0.4	0.87	29	<10	180	<0.5	<2	9.7	0.8	6	15	21	1.85
CC107910		0.18	0.003	0.5	1.33	8	<10	190	<0.5	<2	0.16	0.9	16	21	57	3.97
CC107911		0.18	<0.001	0.6	1.61	7	<10	290	<0.5	<2	0.25	7.0	15	22	40	3.77
CC107912		0.20	0.002	0.5	3.09	11	<10	260	<0.5	<2	0.10	2.4	28	157	130	5.73
CC107913		0.22	<0.001	1.9	1.43	37	<10	530	<0.5	<2	0.32	0.9	5	50	104	3.19
CC107914		0.22	NSS	4.5	1.99	52	<10	320	0.6	<2	0.14	0.9	5	62	43	3.59
CC107915		0.16	0.003	2.4	1.06	32	<10	200	<0.5	<2	0.06	1.3	2	27	30	2.59
CC107916		0.24	0.005	2.6	1.27	35	<10	270	<0.5	<2	0.27	1.1	6	39	84	3.51
CC107917		0.14	0.004	2.1	1.26	20	<10	300	<0.5	<2	0.59	2.3	17	34	72	3.80
CC107918		0.30	0.005	1.1	0.88	35	<10	2650	<0.5	<2	0.60	2.5	9	24	59	2.97
CC107919		0.18	0.039	1.2	0.48	24	<10	570	<0.5	<2	0.37	1.9	2	15	27	2.33
CC107920		0.14	0.003	1.5	1.08	29	<10	1030	<0.5	<2	0.51	3.5	3	26	36	2.64
CC107921		0.28	0.008	2.1	1.20	30	<10	1650	<0.5	<2	0.73	3.0	10	31	70	4.74
CC107922		0.12	0.002	1.1	0.81	22	<10	930	<0.5	<2	0.65	1.8	6	19	41	2.97
CC107923		0.16	0.003	1.2	0.47	30	<10	680	<0.5	<2	1.42	3.2	6	10	53	2.32
CC107924		0.20	<0.001	2.2	0.64	37	<10	2500	<0.5	<2	0.76	1.7	6	20	62	1.90
CC107925		0.20	<0.001	1.4	1.50	26	<10	1690	0.5	<2	0.36	8.2	11	56	128	2.82
CC107926		0.14	<0.001	1.3	1.49	19	<10	5420	0.7	<2	0.99	35.1	7	55	104	2.41
CC107927		0.16	<0.001	4.1	1.00	23	<10	330	<0.5	<2	0.04	1.6	18	34	112	4.31
CC107928		0.12	0.005	0.9	0.94	22	<10	440	<0.5	<2	0.09	1.1	4	23	30	2.67
CC107929		0.20	0.003	3.5	1.87	23	<10	360	0.5	2	0.31	1.1	9	50	121	3.19
CC107930		0.16	<0.001	1.8	1.66	29	<10	450	<0.5	<2	0.12	2.0	2	27	122	3.02
CC107931		0.18	0.002	<0.2	1.11	15	<10	140	0.5	<2	0.41	<0.5	14	21	29	4.46
CC107932		0.18	<0.001	0.3	1.99	10	<10	180	0.6	<2	0.35	<0.5	8	30	18	3.43
CC107933		0.22	0.001	<0.2	3.58	14	<10	160	0.7	<2	0.63	<0.5	27	34	33	6.41
CC107934		0.20	<0.001	<0.2	3.10	8	<10	100	<0.5	<2	0.27	<0.5	21	30	12	5.09
CC107935		0.22	<0.001	<0.2	2.80	11	<10	150	<0.5	<2	0.46	<0.5	11	64	14	4.59
CC107936		0.16	<0.001	0.2	1.11	8	<10	110	0.5	<2	1.93	0.5	8	16	29	2.65
CC107937		0.22	<0.001	0.2	1.17	9	<10	100	0.5	<2	0.45	<0.5	12	24	23	3.70
CC107938		0.18	<0.001	0.5	1.34	7	<10	100	<0.5	<2	1.10	<0.5	13	33	41	4.26
CC107939		0.24	<0.001	0.2	1.42	18	<10	230	0.6	<2	1.50	<0.5	13	33	33	3.42
CC107940		0.14	<0.001	0.2	1.17	12	<10	160	0.5	<2	1.55	<0.5	11	20	29	3.25
CC107941		0.18	0.005	0.2	1.77	11	<10	160	<0.5	<2	1.31	<0.5	17	91	34	3.84
CC107942		0.28	0.003	0.2	1.35	16	<10	190	0.5	<2	0.80	<0.5	13	28	36	3.35
CC107943		0.22	<0.001	0.3	1.33	20	<10	230	0.6	<2	0.81	0.5	11	25	30	3.08

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 23- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10112111

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC107904		<10	<1	0.10	10	2.82	582	2	0.01	23	840	32	0.01	<2	3	43
CC107905		<10	<1	0.08	10	3.10	663	2	<0.01	22	810	29	0.01	<2	3	39
CC107906		<10	<1	0.08	10	1.73	903	2	<0.01	24	850	35	0.03	<2	2	38
CC107907		<10	<1	0.08	10	0.87	590	2	<0.01	28	860	38	0.04	<2	3	27
CC107908		<10	<1	0.08	10	2.59	648	2	0.01	25	880	29	0.03	2	3	38
CC107909		<10	<1	0.06	10	6.18	547	2	0.01	16	710	24	0.02	<2	2	38
CC107910		<10	<1	0.14	10	0.75	1170	5	<0.01	40	1110	17	0.03	<2	2	14
CC107911		<10	<1	0.17	20	0.79	747	5	<0.01	41	1650	17	0.07	<2	1	34
CC107912		10	<1	0.13	10	3.21	476	5	<0.01	197	800	10	0.16	<2	7	53
CC107913		<10	1	0.10	10	0.77	241	19	<0.01	86	2890	14	0.07	8	1	101
CC107914		10	<1	0.08	10	0.37	185	17	<0.01	24	3330	16	0.04	11	2	90
CC107915		<10	<1	0.08	10	0.20	104	16	<0.01	13	980	17	0.12	4	1	39
CC107916		<10	<1	0.16	10	1.02	86	19	<0.01	60	1770	15	0.26	8	2	187
CC107917		<10	<1	0.13	10	1.05	430	20	<0.01	71	1750	14	0.14	6	2	98
CC107918		<10	<1	0.08	10	0.52	115	20	0.01	54	1850	37	0.11	9	2	75
CC107919		<10	<1	0.05	10	0.13	51	8	<0.01	17	1980	35	0.10	6	1	39
CC107920		<10	<1	0.08	10	0.65	65	10	<0.01	32	1940	21	0.09	5	1	95
CC107921		<10	1	0.11	10	0.84	400	24	0.01	60	2340	20	0.15	9	2	122
CC107922		<10	<1	0.09	10	0.55	241	12	<0.01	39	1190	20	0.09	9	2	52
CC107923		<10	<1	0.07	10	0.29	247	9	<0.01	48	1100	31	0.09	24	2	55
CC107924		<10	1	0.06	10	0.26	174	25	0.01	42	1640	36	0.09	10	1	109
CC107925		<10	<1	0.14	20	0.60	237	45	0.01	232	2800	20	0.09	11	2	125
CC107926		<10	<1	0.12	10	0.31	229	27	0.03	130	2810	19	0.05	11	3	101
CC107927		<10	<1	0.12	10	0.37	285	21	0.01	147	1140	20	0.20	2	1	46
CC107928		<10	<1	0.10	10	0.27	129	17	<0.01	29	900	17	0.14	4	1	29
CC107929		<10	<1	0.14	10	0.77	284	14	<0.01	58	2330	16	0.06	5	4	75
CC107930		<10	<1	0.35	10	1.75	101	54	<0.01	57	1340	14	0.52	7	1	147
CC107931		<10	<1	0.08	30	0.46	526	3	<0.01	42	1050	26	0.03	<2	3	24
CC107932		<10	<1	0.05	10	0.43	261	2	<0.01	25	760	16	0.03	<2	2	18
CC107933		10	<1	0.09	20	2.62	996	2	<0.01	41	1990	20	0.02	<2	5	36
CC107934		10	<1	0.05	10	1.81	857	2	<0.01	24	1420	12	0.02	<2	3	19
CC107935		10	<1	0.05	10	1.42	252	2	<0.01	26	690	12	0.01	<2	3	17
CC107936		<10	1	0.11	20	0.30	650	1	0.02	29	1370	20	0.10	2	2	44
CC107937		<10	<1	0.10	30	0.41	487	1	0.01	41	970	21	0.05	2	3	26
CC107938		<10	<1	0.14	20	0.71	356	<1	0.02	45	1460	26	0.08	3	3	30
CC107939		<10	<1	0.09	20	0.90	600	1	0.02	34	1540	25	0.08	2	3	22
CC107940		<10	<1	0.11	20	0.51	543	<1	0.02	31	1760	21	0.08	<2	2	36
CC107941		<10	1	0.08	20	1.18	491	<1	0.01	67	2090	12	0.07	<2	3	36
CC107942		<10	<1	0.09	20	0.67	509	1	0.02	32	1750	30	0.03	3	4	26
CC107943		<10	<1	0.09	10	0.51	558	<1	0.02	28	1840	49	0.05	5	3	23

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 23- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10112111

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC107904		<20	0.02	<10	<10	31	<10	145
CC107905		<20	0.02	<10	<10	31	<10	175
CC107906		<20	0.02	<10	<10	30	<10	145
CC107907		<20	0.02	<10	<10	36	<10	153
CC107908		<20	0.02	<10	<10	34	<10	147
CC107909		<20	0.02	<10	<10	31	<10	149
CC107910		<20	0.04	<10	<10	41	<10	112
CC107911		<20	0.04	<10	<10	49	<10	371
CC107912		<20	0.11	<10	<10	113	<10	491
CC107913		<20	0.03	<10	<10	271	<10	444
CC107914		<20	0.04	<10	<10	193	<10	107
CC107915		<20	0.03	<10	<10	213	<10	55
CC107916		<20	0.06	<10	<10	131	<10	283
CC107917		<20	0.05	<10	<10	124	<10	332
CC107918		<20	0.03	<10	<10	143	<10	270
CC107919		<20	0.02	<10	<10	35	<10	54
CC107920		<20	0.03	<10	<10	89	<10	167
CC107921		<20	0.05	<10	<10	120	<10	400
CC107922		<20	0.02	<10	<10	63	<10	185
CC107923		<20	0.01	<10	<10	41	<10	241
CC107924		<20	0.02	<10	<10	101	<10	186
CC107925		<20	0.04	<10	<10	463	<10	1440
CC107926		<20	0.05	<10	<10	484	<10	812
CC107927		<20	0.03	<10	<10	94	<10	245
CC107928		<20	0.05	<10	<10	155	<10	144
CC107929		<20	0.05	<10	<10	137	<10	208
CC107930		<20	0.08	<10	10	273	<10	260
CC107931		<20	0.03	<10	<10	29	<10	106
CC107932		<20	0.03	<10	<10	53	<10	62
CC107933		<20	0.04	<10	<10	75	<10	102
CC107934		<20	0.04	<10	<10	74	<10	64
CC107935		<20	0.04	<10	<10	89	<10	50
CC107936		<20	0.01	<10	<10	24	<10	92
CC107937		<20	0.01	<10	<10	24	<10	103
CC107938		<20	0.02	<10	<10	35	<10	121
CC107939		<20	0.02	<10	<10	39	<10	88
CC107940		<20	0.01	<10	<10	26	<10	93
CC107941		<20	0.04	<10	<10	49	<10	88
CC107942		<20	0.03	<10	<10	42	<10	111
CC107943		<20	0.02	<10	<10	39	<10	105

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 23- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10112111

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC107944		0.16	<0.001	0.2	1.22	20	<10	200	0.5	<2	2.32	0.7	12	20	40	3.03
CC107945		0.20	<0.001	0.2	1.01	14	<10	490	<0.5	<2	1.43	<0.5	9	21	29	2.30
CC107946		0.18	<0.001	<0.2	1.02	18	<10	150	<0.5	<2	1.16	<0.5	8	20	22	2.44
CC107947		0.22	<0.001	0.2	1.10	23	<10	110	0.5	<2	4.21	1.5	9	21	23	2.67
CC107948		0.24	<0.001	<0.2	1.63	17	<10	150	0.5	<2	2.81	0.8	10	27	11	2.51
CC107949		0.24	0.003	0.3	0.52	16	<10	60	<0.5	<2	13.8	0.6	4	8	9	0.93
CC107950		0.18	0.002	0.4	1.53	19	<10	210	0.7	<2	1.34	1.0	10	26	21	2.64
CC107951		0.16	<0.001	<0.2	0.90	4	<10	200	<0.5	<2	0.15	2.8	14	14	56	2.64
CC107952		0.22	0.001	0.8	3.32	15	<10	260	<0.5	<2	0.89	11.8	29	185	90	4.39
CC107953		0.22	0.003	1.9	1.78	22	<10	270	0.5	<2	0.10	4.4	10	38	55	2.86
CC107954		0.10	0.011	2.4	0.64	2	<10	420	<0.5	<2	0.14	1.8	1	21	29	0.74
CC107955		0.20	0.014	3.2	1.36	63	<10	500	<0.5	<2	0.10	0.8	3	41	60	3.35
CC107956		0.24	0.001	3.3	0.54	19	<10	380	<0.5	<2	0.04	0.9	3	18	41	2.82
CC107957		0.18	0.001	2.0	0.87	27	<10	1550	<0.5	<2	0.29	10.8	5	40	88	2.86
CC107958		0.16	<0.001	2.0	1.10	26	<10	1320	<0.5	<2	1.49	11.3	13	49	55	2.08
CC107959		0.18	0.001	0.9	0.55	52	<10	1500	<0.5	<2	1.96	6.3	14	15	59	3.33
CC107960		0.16	<0.001	0.7	0.52	49	<10	1400	<0.5	<2	0.98	6.9	13	13	60	3.15
CC107961		0.16	0.010	0.9	0.77	42	<10	830	<0.5	<2	1.18	4.1	11	19	49	2.51
CC107962		0.20	0.001	0.6	0.67	19	<10	460	<0.5	<2	2.91	1.8	7	18	32	2.25

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Finalized Date: 23- AUG- 2010
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Project: RAU

CERTIFICATE OF ANALYSIS VA10112111

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC107944		<10	<1	0.09	10	1.16	750	2	0.02	27	2140	32	0.08	2	4	29
CC107945		<10	<1	0.07	10	0.45	446	<1	0.02	21	1620	35	0.09	<2	2	24
CC107946		<10	<1	0.07	10	0.45	309	<1	0.02	19	2520	74	0.06	6	2	22
CC107947		<10	<1	0.07	10	2.40	929	<1	0.02	22	2000	242	0.07	17	2	30
CC107948		<10	<1	0.05	10	1.70	679	<1	0.02	14	1060	101	0.08	20	2	20
CC107949		<10	<1	0.03	<10	8.92	608	<1	0.02	6	1260	234	0.06	58	1	55
CC107950		<10	1	0.06	10	0.67	927	<1	0.02	22	1940	242	0.09	10	2	20
CC107951		<10	<1	0.16	10	0.32	1065	7	0.01	46	730	17	0.04	4	1	13
CC107952		10	<1	0.17	10	3.83	651	10	0.02	221	1260	9	0.06	7	9	77
CC107953		<10	<1	0.10	20	0.75	235	29	0.01	142	620	18	0.02	4	3	13
CC107954		<10	<1	0.04	10	0.04	38	2	0.02	12	880	11	0.06	<2	<1	20
CC107955		10	<1	0.23	10	0.50	450	7	0.02	11	2060	18	0.47	27	2	114
CC107956		<10	<1	0.25	10	0.21	106	7	0.04	23	1160	22	0.54	3	1	97
CC107957		<10	1	0.25	10	0.25	174	28	0.04	73	3190	20	0.32	12	2	160
CC107958		<10	2	0.14	10	0.77	534	34	0.04	93	2560	16	0.13	11	2	125
CC107959		<10	1	0.09	10	0.78	1100	15	0.04	56	1320	28	0.09	16	2	62
CC107960		<10	1	0.07	10	0.29	852	13	0.03	49	1330	26	0.07	16	2	47
CC107961		<10	1	0.08	10	0.46	763	8	0.03	40	1300	53	0.09	20	2	43
CC107962		<10	<1	0.07	10	1.65	198	1	0.02	23	1090	39	0.08	5	2	44

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Finalized Date: 23- AUG- 2010
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CERTIFICATE OF ANALYSIS VA10112111

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC107944		<20	0.02	<10	<10	59	<10	112
CC107945		<20	0.02	<10	<10	34	<10	89
CC107946		<20	0.02	<10	<10	44	<10	97
CC107947		<20	0.02	<10	<10	40	<10	185
CC107948		<20	0.03	<10	<10	51	<10	108
CC107949		<20	0.01	<10	<10	18	<10	117
CC107950		<20	0.02	<10	<10	50	<10	190
CC107951		<20	0.03	<10	<10	50	<10	213
CC107952		<20	0.07	<10	<10	130	<10	560
CC107953		<20	0.06	<10	<10	178	<10	732
CC107954		<20	0.01	<10	<10	64	<10	28
CC107955		<20	0.06	<10	<10	91	<10	91
CC107956		<20	0.03	<10	<10	41	<10	101
CC107957		<20	0.02	<10	<10	184	<10	638
CC107958		<20	0.03	<10	<10	308	<10	721
CC107959		<20	0.01	<10	<10	61	<10	340
CC107960		<20	0.01	<10	<10	50	<10	381
CC107961		<20	0.02	<10	<10	71	<10	299
CC107962		<20	0.02	<10	<10	42	<10	191

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Finalized Date: 23- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10112111

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non- sufficient sample.

ALS Canada Ltd.

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 27- AUG- 2010
Account: RCM

CERTIFICATE VA10112112

Project: RAU

P.O. No.:

This report is for 97 Soil samples submitted to our lab in Vancouver, BC, Canada on 12- AUG- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
PUL- 31	Pulverize split to 85% < 75 um
LOG- 21	Sample logging - ClientBarCode
SCR- 43	Screen to - 500um, discard plus
SCR- 01	Screen - Save plus fraction

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 27- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10112112

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC107704		0.20	0.004	0.2	0.31	26	<10	50	<0.5	<2	15.4	0.5	1	4	7	0.75
CC107705		0.16	0.001	0.3	0.75	29	<10	150	<0.5	<2	11.6	0.7	3	11	9	1.39
CC107706		0.12	<0.001	0.5	1.67	16	<10	150	0.6	<2	4.28	0.8	7	22	16	2.38
CC107707		0.12	0.003	0.4	1.69	26	<10	230	0.6	<2	1.26	1.4	8	27	14	2.94
CC107708		0.16	0.020	0.9	0.67	166	<10	150	0.5	4	8.7	1.5	3	11	130	3.33
CC107709		0.16	0.003	0.3	1.40	22	<10	180	0.5	3	3.16	0.8	8	23	19	2.54
CC107710		0.22	0.003	0.5	0.90	24	<10	130	<0.5	2	7.1	0.6	7	16	15	1.98
CC107711		0.18	0.007	0.4	1.08	27	<10	150	<0.5	2	4.41	0.7	6	20	20	2.38
CC107712		0.18	0.002	<0.2	1.24	17	<10	180	<0.5	3	4.84	0.6	7	19	13	2.11
CC107713		0.20	0.002	0.2	1.25	25	<10	120	0.5	3	3.95	0.7	6	21	12	2.24
CC107714		0.16	0.002	0.2	1.04	23	<10	140	<0.5	<2	4.91	1.3	6	17	11	1.90
CC107715		0.16	0.002	<0.2	1.98	14	<10	250	0.6	2	1.29	0.7	7	27	10	2.89
CC107716		0.16	0.001	<0.2	1.58	14	<10	140	0.5	2	2.23	0.8	7	21	10	2.40
CC107717		0.18	0.002	0.2	1.37	14	<10	170	0.5	2	2.03	<0.5	9	23	17	2.46
CC107718		0.20	0.002	0.2	0.84	17	<10	130	<0.5	2	6.89	0.8	5	12	9	1.69
CC107719		0.20	0.002	0.5	0.67	24	<10	130	<0.5	<2	10.7	1.3	4	11	13	1.27
CC107720		0.18	0.003	0.4	1.03	39	<10	140	<0.5	<2	7.4	0.7	6	17	13	2.40
CC107721		0.20	0.003	0.4	0.96	27	<10	170	<0.5	2	8.6	1.0	6	15	15	2.08
CC107722		0.26	0.005	0.3	1.03	26	<10	160	<0.5	2	8.4	0.8	6	16	16	2.27
CC107723		0.16	<0.001	<0.2	1.88	12	<10	160	<0.5	<2	0.95	<0.5	7	25	9	2.69
CC107724		0.14	0.002	0.4	1.90	16	<10	180	0.7	<2	1.78	0.7	11	26	13	3.10
CC107725		0.20	0.005	0.5	1.33	17	<10	150	0.5	<2	5.33	0.6	7	19	14	2.15
CC107726		0.14	0.002	0.2	1.50	16	<10	150	0.5	<2	4.81	0.5	8	23	16	2.50
CC107727		0.20	0.002	0.4	0.46	20	<10	100	<0.5	<2	14.4	0.5	3	7	6	1.19
CC107728		0.22	0.010	<0.2	0.49	9	<10	60	<0.5	<2	12.1	0.6	4	8	8	0.97
CC107729		0.22	0.004	0.3	0.32	12	<10	50	<0.5	<2	13.5	0.5	2	6	4	0.61
CC107730		0.16	0.008	0.7	0.95	29	<10	160	<0.5	<2	6.74	1.2	7	15	17	2.18
CC107731		0.16	0.001	0.2	1.20	10	<10	120	0.5	<2	0.99	0.9	7	20	10	2.16
CC107732		0.20	0.003	0.3	0.74	17	<10	130	<0.5	<2	7.9	1.5	5	12	11	1.60
CC107733		0.20	0.004	0.2	1.54	59	<10	180	0.6	3	2.41	0.7	6	24	35	2.82
CC107734		0.18	0.001	<0.2	1.36	18	<10	120	0.5	3	0.52	0.9	8	24	10	2.72
CC107735		0.18	0.002	<0.2	1.74	15	<10	210	0.6	2	0.81	0.7	7	27	13	2.90
CC107736		0.14	0.003	<0.2	1.29	8	<10	140	<0.5	<2	1.13	1.6	6	18	10	1.97
CC107737		0.16	0.002	<0.2	1.03	9	<10	100	<0.5	2	5.28	1.1	5	15	9	1.54
CC107738		0.16	0.005	0.3	1.42	11	<10	160	0.5	<2	2.32	0.6	7	23	12	2.49
CC107739		0.18	0.007	<0.2	1.23	10	<10	180	0.5	2	5.49	<0.5	7	21	16	2.06
CC107740		0.16	0.011	1.1	0.58	95	<10	170	<0.5	5	8.6	9.1	4	9	150	2.41
CC107741		0.16	0.006	0.4	0.88	43	<10	120	<0.5	2	7.21	3.1	5	14	26	2.17
CC107742		0.12	0.003	0.9	2.09	10	<10	320	<0.5	2	1.56	3.4	22	161	89	3.85
CC107743		0.16	0.020	0.6	0.79	17	<10	270	<0.5	2	1.43	5.4	6	21	49	1.82

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CERTIFICATE OF ANALYSIS VA10112112

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC107704		<10	1	0.02	<10	9.43	517	<1	0.01	5	510	8	<0.01	4	<1	34
CC107705		<10	<1	0.03	10	6.95	946	<1	0.02	11	740	13	0.04	2	1	30
CC107706		<10	1	0.05	10	2.67	785	<1	0.01	17	590	19	0.04	2	2	15
CC107707		<10	<1	0.07	10	0.88	635	<1	0.01	22	630	20	0.03	3	3	16
CC107708		<10	1	0.04	10	5.19	1140	<1	0.01	14	940	83	0.03	51	1	22
CC107709		<10	1	0.07	10	1.69	838	<1	0.02	26	710	27	0.04	<2	2	20
CC107710		<10	<1	0.06	10	4.62	630	<1	0.02	20	810	29	0.02	<2	2	30
CC107711		<10	1	0.07	10	2.71	429	1	0.02	23	850	28	0.02	<2	2	28
CC107712		<10	<1	0.05	10	2.97	637	<1	0.02	14	660	28	0.03	2	2	19
CC107713		<10	1	0.06	10	2.51	474	<1	0.02	18	720	27	0.02	2	2	19
CC107714		<10	1	0.05	10	2.78	560	<1	0.02	14	730	35	0.04	<2	2	19
CC107715		<10	1	0.05	10	0.87	435	<1	0.01	17	560	28	0.04	<2	3	14
CC107716		<10	1	0.05	10	1.31	491	<1	0.01	15	680	30	0.04	<2	2	13
CC107717		<10	1	0.08	20	1.50	611	<1	0.02	21	460	23	0.02	<2	3	18
CC107718		<10	<1	0.05	10	4.33	646	<1	0.02	11	790	25	0.03	<2	1	25
CC107719		<10	1	0.04	10	6.91	754	<1	0.03	12	640	26	0.04	<2	1	33
CC107720		<10	<1	0.06	10	4.93	837	<1	0.03	16	850	42	0.04	3	2	28
CC107721		<10	1	0.07	10	5.70	769	<1	0.03	17	820	22	0.03	2	2	37
CC107722		<10	<1	0.07	10	5.55	637	<1	0.03	20	990	27	0.04	<2	2	40
CC107723		10	1	0.05	10	0.70	469	<1	0.02	14	430	14	0.03	<2	2	14
CC107724		10	1	0.06	10	0.97	1050	<1	0.03	15	1160	18	0.07	<2	2	16
CC107725		<10	<1	0.05	10	3.36	668	<1	0.02	13	980	15	0.06	<2	1	20
CC107726		<10	1	0.06	10	3.17	665	<1	0.03	19	790	20	0.05	<2	2	23
CC107727		<10	<1	0.03	10	9.36	824	<1	0.03	6	770	9	0.03	<2	1	38
CC107728		<10	<1	0.04	10	7.89	290	<1	0.02	8	610	12	0.01	<2	1	29
CC107729		<10	1	0.02	10	8.90	316	<1	0.01	6	440	15	0.01	3	1	25
CC107730		<10	1	0.07	10	3.94	788	<1	0.02	16	1050	27	0.06	<2	1	27
CC107731		<10	1	0.04	10	0.59	519	<1	0.01	15	630	49	0.04	<2	2	9
CC107732		<10	2	0.04	10	4.72	583	<1	0.02	12	770	46	0.04	<2	1	22
CC107733		<10	<1	0.05	10	1.55	607	<1	0.01	16	910	27	0.03	<2	2	15
CC107734		<10	1	0.06	10	0.48	672	<1	0.01	19	840	39	0.04	<2	2	10
CC107735		<10	1	0.06	10	0.62	429	<1	0.01	21	450	34	0.03	<2	2	12
CC107736		<10	1	0.04	10	0.53	539	<1	0.01	12	900	27	0.05	<2	1	11
CC107737		<10	1	0.04	10	3.14	480	<1	0.01	11	850	50	0.06	<2	1	15
CC107738		<10	1	0.06	10	1.37	641	<1	0.02	18	750	32	0.04	<2	2	16
CC107739		<10	1	0.05	10	3.61	376	<1	0.02	18	540	17	0.02	<2	3	18
CC107740		<10	1	0.03	10	5.24	1385	<1	0.02	12	940	566	0.05	59	1	40
CC107741		<10	1	0.05	10	4.40	728	<1	0.02	15	860	86	0.04	5	1	24
CC107742		<10	1	0.07	10	2.66	603	18	0.01	160	1540	20	0.08	<2	6	133
CC107743		<10	1	0.09	10	0.33	198	38	0.01	70	610	15	0.06	2	1	62

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CERTIFICATE OF ANALYSIS VA10112112

Sample Description	Method Analyte Units LOR	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2
CC107704		<20	0.01	<10	<10	12	<10	190
CC107705		<20	0.01	<10	<10	25	<10	187
CC107706		<20	0.03	<10	<10	49	<10	155
CC107707		<20	0.03	<10	<10	54	<10	163
CC107708		<20	0.01	<10	<10	33	<10	1080
CC107709		<20	0.03	<10	<10	46	<10	190
CC107710		<20	0.02	<10	<10	33	<10	173
CC107711		<20	0.03	<10	<10	41	<10	189
CC107712		<20	0.02	<10	<10	42	<10	181
CC107713		<20	0.02	<10	<10	39	<10	138
CC107714		<20	0.02	<10	<10	35	<10	169
CC107715		<20	0.03	<10	<10	61	<10	182
CC107716		<20	0.03	<10	<10	47	<10	125
CC107717		<20	0.03	<10	<10	43	<10	84
CC107718		<20	0.02	<10	<10	28	<10	131
CC107719		<20	0.01	<10	<10	24	<10	234
CC107720		<20	0.02	<10	<10	33	<10	264
CC107721		<20	0.02	<10	<10	32	<10	178
CC107722		<20	0.02	<10	<10	33	<10	173
CC107723		<20	0.03	<10	<10	59	<10	118
CC107724		<20	0.03	<10	<10	54	<10	221
CC107725		<20	0.02	<10	<10	37	<10	112
CC107726		<20	0.02	<10	<10	40	<10	137
CC107727		<20	0.01	<10	<10	14	<10	232
CC107728		<20	0.01	<10	<10	15	<10	146
CC107729		<20	0.01	<10	<10	10	<10	107
CC107730		<20	0.01	<10	<10	31	<10	176
CC107731		<20	0.02	<10	<10	37	<10	134
CC107732		<20	0.02	<10	<10	25	<10	218
CC107733		<20	0.02	<10	<10	51	<10	174
CC107734		<20	0.02	<10	<10	44	<10	187
CC107735		<20	0.02	<10	<10	53	<10	106
CC107736		<20	0.02	<10	<10	39	<10	126
CC107737		<20	0.02	<10	<10	29	<10	132
CC107738		<20	0.02	<10	<10	45	<10	103
CC107739		<20	0.02	<10	<10	37	<10	75
CC107740		<20	0.01	<10	<10	28	<10	616
CC107741		<20	0.02	<10	<10	29	<10	312
CC107742		<20	0.04	<10	<10	79	<10	232
CC107743		<20	0.03	<10	<10	85	<10	287

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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC107744		0.22	0.004	0.3	1.76	17	<10	390	0.6	3	0.38	2.1	9	38	44	2.66
CC107745		0.16	0.003	3.4	2.17	23	<10	410	0.8	<2	0.33	2.2	12	42	68	3.50
CC107746		0.16	0.004	2.9	0.83	17	<10	390	<0.5	<2	0.57	2.6	2	33	30	1.54
CC107747		0.08	0.005	1.5	0.39	6	<10	350	<0.5	<2	0.25	0.9	1	19	13	0.58
CC107748		0.24	0.004	0.6	0.79	66	<10	610	<0.5	<2	2.03	4.8	15	28	61	3.46
CC107749		0.32	0.004	0.6	1.01	28	<10	860	<0.5	<2	2.95	3.6	9	25	52	2.82
CC107750		0.14	0.004	0.6	0.93	22	<10	680	<0.5	<2	1.07	2.0	7	24	38	2.46
CC107751		0.26	0.007	0.4	1.04	21	<10	360	<0.5	<2	5.27	1.2	7	23	33	2.51
CC107752		0.16	0.004	0.3	0.83	19	<10	560	<0.5	<2	5.25	1.6	6	19	23	2.13
CC107753		0.18	0.005	0.3	1.03	15	<10	550	<0.5	<2	4.26	2.4	8	25	37	2.40
CC107754		0.12	0.003	0.7	0.98	22	<10	620	<0.5	<2	1.58	3.3	11	25	41	3.09
CC107755		0.18	0.003	0.6	0.77	49	<10	530	<0.5	<2	1.98	3.9	11	23	55	3.22
CC107756		0.18	0.003	0.8	0.45	7	<10	860	<0.5	<2	0.17	0.9	1	26	18	0.48
CC107757		0.20	0.006	2.5	0.96	65	<10	430	<0.5	<2	0.49	0.6	3	40	51	2.60
CC107758		0.16	0.007	4.0	0.57	30	<10	450	<0.5	<2	1.70	2.4	2	32	197	1.80
CC107759		0.12	<0.001	0.8	0.74	18	<10	580	<0.5	<2	3.99	12.0	3	45	119	1.24
CC107760		0.18	0.009	1.3	1.29	29	<10	280	<0.5	<2	2.34	31.6	8	101	237	2.16
CC107761		0.20	<0.001	0.5	1.45	25	<10	400	<0.5	<2	0.53	3.8	10	26	46	2.75
CC107762		0.28	0.017	1.3	1.02	18	<10	410	<0.5	<2	18.1	11.6	4	37	52	1.06
CC107763		0.12	0.003	1.6	1.03	15	<10	420	<0.5	<2	4.18	10.1	6	32	83	1.51
CC107764		0.18	<0.001	0.4	1.06	23	<10	310	<0.5	<2	0.42	8.6	9	21	47	2.12
CC107765		0.12	NSS	0.5	0.53	7	<10	290	<0.5	<2	4.47	45.9	3	18	186	0.70
CC107766		0.16	<0.001	0.8	0.52	10	<10	280	<0.5	<2	4.51	23.8	8	22	277	1.05
CC107767		0.14	<0.001	0.6	0.76	10	<10	650	<0.5	<2	0.62	1.2	1	32	34	1.38
CC107768		0.18	0.004	0.4	1.00	13	<10	810	<0.5	<2	0.85	5.9	5	26	60	1.75
CC107769		0.22	0.003	0.6	0.79	27	<10	430	<0.5	<2	4.35	2.3	6	18	31	2.25
CC107770		0.16	0.006	0.4	0.97	14	<10	1030	<0.5	<2	4.40	1.9	8	22	39	2.04
CC107771		0.16	0.006	0.5	1.14	22	<10	1110	<0.5	<2	3.74	3.3	9	28	50	2.57
CC107772		0.24	0.014	0.4	1.06	20	<10	440	<0.5	<2	4.22	1.7	8	25	45	2.53
CC107773		0.22	0.002	0.5	1.64	23	<10	730	1.7	<2	1.41	32.8	12	29	64	2.92
CC107774		0.32	0.003	0.3	1.77	23	<10	640	0.8	<2	4.85	4.2	10	29	40	3.18
CC107775		0.20	0.002	0.6	1.25	37	<10	1170	0.6	<2	0.61	28.6	13	24	124	2.87
CC107776		0.30	0.002	0.9	1.63	30	<10	850	0.7	<2	0.46	4.5	10	33	78	3.20
CC107777		0.28	0.003	1.0	1.98	28	<10	870	1.1	<2	0.63	6.4	12	35	112	3.31
CC107778		0.10	0.016	1.4	2.32	125	<10	1570	2.8	8	1.25	8.5	12	28	112	2.73
CC107779		0.20	0.006	1.5	2.39	71	<10	1520	2.3	2	0.64	13.5	36	42	140	5.79
CC107780		0.22	0.002	0.9	1.54	34	<10	1070	0.6	<2	0.26	1.4	8	33	72	2.77
CC107781		0.12	0.005	0.6	1.36	26	<10	680	0.6	<2	0.62	1.1	8	30	42	2.82
CC107782		0.18	0.004	0.9	1.56	18	<10	520	0.6	<2	0.51	1.6	9	30	31	2.71
CC107783		0.10	0.006	0.9	1.62	10	<10	910	0.7	<2	1.02	2.2	5	29	45	1.74

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 27- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10112112

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC107744		<10	1	0.07	10	0.65	481	6	0.01	38	540	31	0.01	5	4	25
CC107745		10	<1	0.11	20	0.65	595	7	0.01	46	1280	49	0.01	4	5	31
CC107746		<10	<1	0.08	10	0.51	67	6	0.01	58	1160	24	0.06	10	2	122
CC107747		<10	<1	0.06	10	0.10	64	5	0.01	12	410	13	0.04	3	1	32
CC107748		<10	<1	0.10	10	1.38	548	8	0.01	76	1070	29	0.01	31	3	45
CC107749		<10	<1	0.11	10	1.98	538	7	0.02	59	1390	25	0.01	6	3	42
CC107750		<10	<1	0.09	10	0.60	282	4	0.01	41	1290	33	0.07	6	2	46
CC107751		<10	<1	0.09	10	3.60	402	2	0.02	29	1040	35	<0.01	<2	3	46
CC107752		<10	<1	0.06	10	2.47	642	1	0.02	24	870	66	0.04	<2	1	37
CC107753		<10	<1	0.08	10	2.22	665	3	0.02	38	1090	38	0.04	2	2	43
CC107754		<10	<1	0.10	10	0.95	1180	3	0.02	46	1220	44	0.06	4	3	45
CC107755		<10	<1	0.09	10	1.33	428	7	0.01	63	910	22	0.01	24	3	36
CC107756		<10	<1	0.08	10	0.11	40	2	0.01	10	420	14	0.04	<2	<1	23
CC107757		<10	1	0.09	10	0.56	186	14	0.01	20	1400	23	0.04	19	2	94
CC107758		<10	1	0.07	10	0.29	85	10	0.01	34	1720	15	0.18	32	2	93
CC107759		<10	<1	0.07	<10	0.65	133	6	0.02	215	1420	8	0.22	15	1	147
CC107760		<10	<1	0.08	10	0.77	236	5	0.02	447	1590	14	0.11	11	2	106
CC107761		<10	<1	0.17	10	1.14	354	60	0.01	141	740	14	<0.01	5	2	30
CC107762		<10	<1	0.10	10	1.28	231	13	0.01	119	1890	7	<0.01	5	2	1250
CC107763		<10	<1	0.11	10	0.88	270	13	0.02	127	1140	9	0.13	8	1	194
CC107764		<10	<1	0.13	10	0.73	210	51	0.01	130	610	12	0.02	4	2	29
CC107765		<10	<1	0.04	<10	0.51	212	4	0.01	220	860	6	0.20	10	<1	135
CC107766		<10	<1	0.03	<10	0.33	262	5	0.02	170	1240	8	0.22	8	1	133
CC107767		<10	<1	0.07	10	0.44	63	9	0.02	26	1020	16	0.08	8	2	64
CC107768		<10	<1	0.08	10	0.56	81	6	0.01	37	1220	26	0.05	7	2	36
CC107769		<10	<1	0.08	10	2.63	501	2	0.01	29	1260	80	0.04	4	2	46
CC107770		<10	<1	0.07	10	1.51	2010	2	0.02	35	1080	26	0.10	<2	1	66
CC107771		<10	<1	0.11	10	1.92	2030	7	0.02	50	1150	30	0.06	2	2	64
CC107772		<10	<1	0.10	10	2.90	561	5	0.02	43	1100	27	<0.01	<2	3	47
CC107773		<10	<1	0.14	10	0.72	804	2	0.03	56	1070	41	0.03	2	3	36
CC107774		<10	<1	0.19	10	1.50	525	3	0.03	53	990	52	<0.01	2	4	65
CC107775		<10	<1	0.10	10	0.49	229	5	0.02	65	1100	62	0.04	3	3	33
CC107776		<10	<1	0.14	20	0.53	425	5	0.02	49	1130	82	<0.01	4	4	39
CC107777		<10	<1	0.13	20	0.60	459	4	0.01	58	1310	62	0.01	3	4	36
CC107778		<10	<1	0.11	10	0.51	1270	6	0.02	91	1220	61	0.05	4	2	41
CC107779		<10	<1	0.17	20	0.61	4280	14	0.02	152	1300	109	0.03	8	4	48
CC107780		<10	<1	0.10	20	0.49	374	6	0.01	41	1120	91	0.02	4	3	39
CC107781		<10	<1	0.09	10	0.42	459	5	0.03	35	1140	71	0.06	3	2	31
CC107782		<10	<1	0.10	10	0.54	409	3	0.03	31	1170	66	0.04	2	3	30
CC107783		<10	1	0.12	10	0.48	3040	3	0.03	35	1420	74	0.11	2	2	35

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 27- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10112112

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC107744		<20	0.03	<10	<10	135	<10	150
CC107745		<20	0.03	<10	<10	99	<10	184
CC107746		<20	0.09	<10	<10	73	<10	151
CC107747		<20	0.02	<10	<10	47	<10	41
CC107748		<20	0.01	<10	<10	68	<10	309
CC107749		<20	0.03	<10	<10	74	<10	328
CC107750		<20	0.02	<10	<10	65	<10	281
CC107751		<20	0.04	<10	<10	51	<10	182
CC107752		<20	0.02	<10	<10	39	<10	265
CC107753		<20	0.03	<10	<10	53	<10	253
CC107754		<20	0.02	<10	<10	56	<10	274
CC107755		<20	0.01	<10	<10	61	<10	279
CC107756		<20	0.02	<10	<10	56	<10	30
CC107757		<20	0.06	<10	<10	197	<10	97
CC107758		<20	0.06	<10	10	184	<10	81
CC107759		<20	0.03	<10	10	210	<10	509
CC107760		<20	0.03	<10	10	227	<10	2320
CC107761		<20	0.07	<10	<10	191	<10	505
CC107762		<20	0.04	<10	<10	368	<10	888
CC107763		<20	0.03	<10	10	191	<10	835
CC107764		<20	0.05	<10	<10	131	<10	458
CC107765		<20	0.01	<10	10	183	<10	1510
CC107766		<20	0.01	<10	10	94	<10	561
CC107767		<20	0.05	<10	<10	75	<10	93
CC107768		<20	0.02	<10	<10	70	<10	258
CC107769		<20	0.02	<10	<10	44	<10	284
CC107770		<20	0.02	<10	<10	48	<10	172
CC107771		<20	0.03	<10	<10	77	<10	246
CC107772		<20	0.04	<10	<10	67	<10	244
CC107773		<20	0.03	<10	<10	49	<10	598
CC107774		<20	0.03	<10	<10	51	<10	408
CC107775		<20	0.02	<10	<10	68	<10	770
CC107776		<20	0.03	<10	<10	70	<10	302
CC107777		<20	0.03	<10	<10	69	<10	382
CC107778		<20	0.02	<10	<10	113	<10	533
CC107779		<20	0.02	<10	<10	97	10	2220
CC107780		<20	0.03	<10	<10	66	<10	241
CC107781		<20	0.02	<10	<10	59	<10	199
CC107782		<20	0.03	<10	<10	62	<10	235
CC107783		<20	0.02	<10	<10	65	<10	237

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 27- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10112112

Sample Description	Method	WEI- 21	Au- ICP21	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC107784		0.24	0.021	0.7	1.31	25	<10	670	0.6	2	0.42	3.0	7	26	40	2.57
CC107785		0.24	0.007	1.4	1.50	26	<10	870	0.7	<2	0.46	4.2	9	31	62	3.03
CC107786		0.16	0.007	1.0	1.18	28	<10	780	0.6	3	0.58	3.3	6	24	43	2.11
CC107787		0.24	0.005	0.4	1.41	28	<10	720	0.5	3	0.34	3.3	8	33	69	2.60
CC107788		0.18	0.002	0.5	1.23	19	<10	1090	<0.5	2	0.60	2.6	8	32	28	2.73
CC107789		0.24	0.004	0.7	1.67	23	<10	420	0.9	2	0.40	7.3	9	37	53	2.99
CC107790		0.24	0.001	<0.2	2.40	12	<10	130	1.2	2	0.21	1.2	9	32	15	2.58
CC107791		0.22	0.003	0.7	1.61	37	<10	640	0.8	<2	0.18	2.6	11	34	85	4.06
CC107792		0.22	0.001	0.4	1.89	29	<10	620	0.7	<2	0.10	1.6	10	48	52	3.34
CC107793		0.22	<0.001	0.2	1.15	6	<10	130	0.6	<2	2.31	1.7	2	34	8	1.53
CC107794		0.28	0.009	0.6	1.53	43	<10	710	0.7	<2	1.54	2.7	10	36	78	3.33
CC107795		0.20	0.004	0.6	1.43	21	<10	620	0.6	2	1.05	3.0	9	32	34	2.80
CC107796		0.30	0.021	0.5	1.53	36	<10	620	0.6	4	0.77	3.0	11	43	48	3.24
CC107797		0.16	0.008	0.3	1.45	17	<10	1750	0.8	<2	1.24	3.8	7	38	30	2.26
CC107798		0.30	0.001	0.2	1.25	13	<10	920	0.5	<2	9.6	5.8	6	33	28	1.70
CC107799		0.26	0.005	0.4	1.72	17	<10	410	0.6	<2	0.58	0.8	14	47	41	3.54
CC107800		0.22	0.002	0.4	1.48	20	<10	430	0.5	<2	0.73	12.2	15	45	74	3.05

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CERTIFICATE OF ANALYSIS VA10112112

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC107784		<10	<1	0.10	20	0.42	202	4	0.03	31	1060	79	0.04	3	3	29
CC107785		<10	<1	0.11	20	0.50	372	6	0.03	43	1200	79	0.03	4	4	29
CC107786		<10	<1	0.10	10	0.36	337	5	0.03	34	990	71	0.05	5	2	32
CC107787		<10	<1	0.12	10	0.55	339	5	0.03	45	980	51	0.04	2	3	32
CC107788		<10	<1	0.08	10	0.51	319	3	0.03	45	680	29	0.06	<2	2	24
CC107789		<10	<1	0.11	10	0.57	389	5	0.03	76	790	37	0.04	2	3	25
CC107790		10	<1	0.07	10	0.23	250	1	0.02	38	700	14	0.03	3	2	6
CC107791		<10	<1	0.12	10	0.57	767	9	0.02	70	930	43	0.05	4	5	30
CC107792		10	1	0.07	10	0.44	319	6	0.02	56	430	42	0.04	5	4	19
CC107793		<10	<1	0.11	10	0.45	183	1	0.05	17	430	6	0.02	<2	2	48
CC107794		<10	<1	0.12	20	1.37	484	10	0.03	71	840	49	0.07	6	4	40
CC107795		<10	1	0.07	10	0.58	544	5	0.02	52	980	26	0.07	<2	2	25
CC107796		<10	<1	0.09	20	0.97	522	6	0.03	74	1070	30	0.04	3	3	29
CC107797		<10	<1	0.06	10	0.44	361	3	0.04	66	810	11	0.07	<2	2	47
CC107798		<10	1	0.13	20	6.70	948	2	0.04	62	1960	12	0.03	<2	2	82
CC107799		10	<1	0.08	10	1.01	603	3	0.04	52	650	24	0.03	<2	5	22
CC107800		<10	<1	0.07	10	0.77	496	6	0.03	128	900	24	0.05	5	3	28

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CERTIFICATE OF ANALYSIS VA10112112

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC107784		<20	0.02	<10	<10	72	<10	228
CC107785		<20	0.03	<10	<10	75	<10	287
CC107786		<20	0.02	<10	<10	71	<10	220
CC107787		<20	0.04	<10	<10	82	<10	204
CC107788		<20	0.04	<10	<10	89	<10	352
CC107789		<20	0.04	<10	<10	88	<10	488
CC107790		<20	0.02	<10	<10	56	<10	190
CC107791		<20	0.04	<10	<10	114	<10	315
CC107792		<20	0.04	<10	<10	105	<10	260
CC107793		<20	0.02	<10	<10	45	<10	88
CC107794		<20	0.04	<10	<10	111	<10	361
CC107795		<20	0.03	<10	<10	84	<10	264
CC107796		<20	0.05	<10	<10	108	<10	290
CC107797		<20	0.02	<10	<10	81	<10	261
CC107798		<20	0.04	<10	<10	148	<10	336
CC107799		<20	0.06	<10	<10	78	<10	143
CC107800		<20	0.04	<10	<10	58	<10	604

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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 27- AUG- 2010
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Project: RAU

CERTIFICATE OF ANALYSIS VA10112112

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non- sufficient sample.

ALS Canada Ltd.
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Finalized Date: 27- AUG- 2010
Account: RCM

CERTIFICATE VA10112654

Project: RAU (CHEETAH)

P.O. No.: BATCH 1

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 16- AUG- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- 31	Fine crushing - 70% < 2mm
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
Ag- OG62	Ore Grade Ag - Four Acid	VARIABLE
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Pb- OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn- OG62	Ore Grade Zn - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 27- AUG- 2010
Account: RCM

Project: RAU (CHEETAH)

CERTIFICATE OF ANALYSIS VA10112654

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
J980500		3.70	0.04	0.16	0.72	19	270	0.29	1.30	21.4	0.12	8.61	4.8	13	0.35	5.2
J980501		4.84	2.29	0.54	0.73	79	260	0.32	1.19	20.8	0.29	8.21	6.0	8	0.34	3.7
J980502		5.50	0.01	0.06	0.43	19	100	0.31	0.32	20.3	0.11	6.33	1.7	6	0.43	2.5
J980503		5.36	0.01	0.07	0.28	10	80	0.23	0.12	20.4	0.20	4.18	1.8	4	0.21	2.5
J980504		4.64	0.01	0.09	0.18	18	50	0.21	0.07	20.6	0.11	4.41	1.6	3	0.13	2.6
J980505		5.26	0.01	0.13	0.52	9	150	0.36	0.03	20.7	0.21	8.29	2.2	5	0.78	3.7
J980506		1.64	0.01	0.18	0.47	24	180	0.31	0.15	22.2	0.57	6.18	2.6	5	0.45	3.8
J980507		3.58	0.04	0.73	1.06	29	390	0.47	0.42	21.1	3.25	11.95	4.3	9	1.15	5.7
J980508		4.54	0.05	0.77	0.64	5	280	0.31	0.22	21.0	2.11	8.40	2.5	8	0.66	6.6
J980509		4.46	0.03	1.47	0.61	15	310	0.33	0.73	20.2	5.19	8.60	2.6	7	0.66	19.1
J980510		3.62	0.08	7.72	1.35	64	670	0.71	18.20	18.95	15.85	20.3	10.8	20	2.04	175.5
J980511		0.12	0.23	>100	5.76	4150	320	0.90	0.20	2.31	138.5	31.8	14.9	48	4.74	513
J980512		4.46	0.02	0.92	0.55	21	260	0.46	0.42	19.45	0.82	6.79	1.5	7	0.62	3.9
J980513		5.36	0.01	0.46	0.43	10	200	0.28	0.34	21.2	1.51	6.57	1.6	5	0.44	5.3
J980514		2.92	0.03	1.73	0.98	16	420	0.49	0.49	21.8	2.59	11.50	2.4	10	1.05	5.5
J980515		2.80	0.04	0.90	0.91	15	470	0.60	0.98	22.5	0.99	10.95	3.7	8	1.17	5.1
J980516		4.06	<0.01	0.03	0.07	<5	20	0.05	0.03	20.3	0.08	1.27	1.3	2	0.17	2.3
J980517		3.30	0.01	0.20	0.12	5	80	0.12	0.45	20.8	0.51	3.48	1.0	3	0.18	1.8
J980518		5.28	0.03	1.99	0.12	38	1230	0.20	1.01	21.5	5.00	4.05	13.0	3	0.11	4.3
J980519		2.12	0.02	6.64	0.49	126	3370	0.37	8.43	16.20	9.57	79.7	37.8	10	0.86	21.3
J980520		3.60	0.09	15.40	0.18	174	800	0.19	20.8	24.2	73.2	8.64	2.8	6	0.18	84.0
J980521		4.26	<0.01	0.13	0.08	7	50	0.06	0.23	20.2	0.35	1.78	1.7	2	0.27	3.6
J980522		4.54	0.06	6.07	0.10	61	160	0.19	0.75	24.1	6.46	9.58	1.3	3	0.12	3.6
J980523		2.46	0.03	5.36	0.24	306	430	0.24	2.70	21.2	6.16	15.20	4.5	4	0.29	9.6
J980524		5.34	0.01	0.82	0.20	16	120	0.20	0.27	21.0	1.17	2.74	0.9	3	0.17	1.8
J980525		5.46	0.01	0.45	0.11	14	110	0.17	0.29	21.1	0.72	2.95	0.9	2	0.20	1.5
J980526		2.48	0.01	0.41	0.12	14	110	0.16	0.26	21.9	0.93	3.19	0.9	2	0.21	1.4
J980527		5.06	0.02	0.94	0.16	27	150	0.21	1.00	22.2	1.06	2.94	1.2	2	0.16	2.4
J980528		4.90	0.01	0.52	0.07	9	60	0.10	0.14	22.1	0.28	1.93	0.8	2	0.09	1.3
J980529		4.70	0.01	0.55	0.05	<5	50	0.13	0.23	20.7	0.19	1.91	0.8	2	0.11	1.4
J980530		1.94	0.02	0.62	0.14	18	100	0.18	1.31	23.0	0.25	2.96	1.1	2	0.16	2.3
J980531		3.94	0.02	0.56	0.27	8	100	0.31	1.04	21.3	0.11	5.94	1.4	3	0.27	2.7
J980532		3.32	0.01	0.54	0.24	9	90	0.22	0.75	21.7	0.21	5.02	1.1	3	0.19	2.1
J980533		4.70	0.01	0.61	0.07	<5	60	0.11	0.28	20.5	0.51	3.47	0.8	2	0.08	1.3
J980534		0.14	0.48	>100	4.55	8670	190	1.11	0.20	1.96	261	35.6	17.1	40	7.75	992
J980535		4.32	0.02	1.86	0.36	14	200	0.32	0.87	21.6	0.27	5.23	1.4	4	0.21	3.0

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CERTIFICATE OF ANALYSIS VA10112654

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
J980500		1.06	2.12	<0.05	0.4	0.009	0.34	4.3	4.1	10.20	199	1.06	0.02	2.7	19.3	570
J980501		1.51	2.63	<0.05	0.4	0.011	0.34	4.2	6.0	10.25	225	1.16	0.02	2.7	22.4	710
J980502		0.30	1.42	0.12	0.2	0.006	0.20	3.2	4.1	12.20	139	0.48	0.02	1.9	4.3	630
J980503		0.25	1.11	0.22	0.2	0.007	0.12	2.0	2.8	12.15	140	0.49	0.02	1.3	4.1	620
J980504		0.30	0.75	0.23	0.1	0.005	0.07	2.2	2.6	11.80	173	0.58	0.01	0.9	3.8	580
J980505		0.37	1.72	0.17	0.3	0.008	0.24	4.4	3.8	11.55	174	0.38	0.02	2.5	6.4	1030
J980506		0.46	1.59	0.14	0.3	0.011	0.21	3.0	3.4	12.45	306	0.72	0.02	2.2	10.4	440
J980507		0.68	3.31	0.06	0.7	0.011	0.47	6.3	4.7	10.80	507	2.91	0.02	4.6	19.8	1010
J980508		0.34	1.79	0.05	0.4	0.016	0.29	4.8	3.7	10.90	436	0.97	0.03	2.3	9.6	1490
J980509		0.51	2.03	0.05	0.4	0.114	0.27	4.7	3.9	11.05	672	0.90	0.03	2.1	6.6	1470
J980510		1.98	5.22	0.09	1.0	1.475	0.60	12.3	7.1	9.87	2610	1.39	0.04	5.6	32.1	2130
J980511		7.72	15.50	0.25	1.7	0.393	1.67	15.7	21.6	0.85	1390	7.79	1.15	5.2	28.3	510
J980512		0.37	1.91	0.05	0.4	0.015	0.26	3.6	5.7	10.55	275	2.38	0.03	2.0	4.2	1570
J980513		0.31	1.30	0.07	0.3	0.021	0.19	3.9	5.1	11.60	277	0.32	0.03	1.4	3.9	3570
J980514		0.58	2.90	0.06	0.6	0.017	0.46	5.8	5.4	10.40	404	0.67	0.04	4.0	8.5	1300
J980515		0.49	3.13	0.05	0.6	0.017	0.42	5.7	5.8	8.94	932	1.00	0.03	3.6	14.3	2260
J980516		0.42	0.24	0.06	<0.1	0.005	0.03	0.6	1.1	12.40	197	0.15	0.01	0.2	0.5	230
J980517		0.27	0.55	0.07	0.1	0.009	0.05	1.9	3.9	12.05	366	0.14	0.02	0.4	0.6	890
J980518		0.74	1.05	0.06	0.1	0.010	0.04	2.4	3.2	9.90	6540	3.70	0.06	0.3	9.8	280
J980519		3.35	2.99	0.10	0.3	0.197	0.19	59.6	3.4	3.10	15200	6.99	0.13	3.0	53.0	490
J980520		3.72	2.74	0.08	0.1	7.07	0.06	5.1	2.7	5.69	9930	1.69	0.04	0.5	19.4	2140
J980521		0.47	0.34	0.05	<0.1	0.040	0.04	1.0	1.5	12.40	369	0.20	0.01	0.3	<0.2	190
J980522		0.70	1.35	0.05	0.1	0.295	0.02	6.5	2.7	10.05	1100	0.46	0.02	0.3	1.7	490
J980523		2.72	3.08	0.07	0.1	0.196	0.07	10.8	3.3	10.15	2950	2.05	0.04	1.0	10.8	440
J980524		0.22	1.37	0.05	0.1	0.051	0.07	1.5	3.0	11.40	419	0.13	0.02	0.5	<0.2	410
J980525		0.31	0.61	0.06	0.1	0.038	0.05	1.7	3.6	11.50	508	0.15	0.02	0.3	<0.2	410
J980526		0.29	0.64	0.08	0.1	0.040	0.05	1.9	3.7	11.90	499	0.13	0.02	0.3	<0.2	510
J980527		0.59	0.90	0.05	0.1	0.066	0.07	1.7	3.4	10.60	553	0.50	0.02	0.5	1.9	310
J980528		0.17	0.32	0.09	<0.1	0.018	0.02	1.1	2.2	11.50	322	0.06	0.02	0.1	<0.2	210
J980529		0.21	0.26	0.09	<0.1	0.012	0.01	1.2	2.7	11.65	324	0.11	0.02	0.1	<0.2	40
J980530		0.72	0.69	0.05	0.1	0.014	0.06	1.7	3.8	10.35	402	0.71	0.02	0.3	2.7	270
J980531		0.44	1.03	0.06	0.2	0.011	0.12	3.2	3.9	11.15	212	0.96	0.02	1.1	1.5	2340
J980532		0.28	1.07	0.07	0.1	0.007	0.10	2.7	3.6	11.65	262	0.31	0.02	0.7	1.0	1740
J980533		0.23	0.39	0.08	<0.1	0.008	0.02	1.9	3.3	11.55	387	0.12	0.02	0.2	<0.2	490
J980534		11.40	14.70	0.52	1.9	0.653	2.49	17.6	29.2	0.34	2070	10.10	0.04	5.6	27.4	380
J980535		0.49	1.56	0.06	0.2	0.008	0.15	2.8	5.6	11.30	368	0.81	0.02	0.9	3.6	890

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	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
J980500		7.8	10.2	<0.002	<0.01	1.25	1.9	2	0.4	56.3	0.14	<0.05	1.3	0.046	0.22	3.3
J980501		9.6	11.8	<0.002	<0.01	0.91	1.7	2	0.5	58.0	0.14	<0.05	1.2	0.044	0.17	4.5
J980502		6.9	7.8	<0.002	<0.01	0.47	1.1	2	0.3	62.1	0.09	<0.05	0.8	0.029	0.09	5.3
J980503		10.5	4.7	<0.002	<0.01	0.63	0.8	2	0.2	62.1	0.06	<0.05	0.5	0.018	0.06	4.1
J980504		6.9	2.8	<0.002	<0.01	0.66	0.5	2	0.2	54.3	<0.05	<0.05	0.3	0.011	0.04	3.9
J980505		4.8	10.4	<0.002	<0.01	1.05	1.1	2	0.4	58.7	0.13	<0.05	1.0	0.038	0.12	8.0
J980506		46.3	9.1	<0.002	<0.01	3.36	1.2	2	0.5	69.1	0.11	<0.05	0.9	0.035	0.35	2.9
J980507		116.0	21.2	<0.002	<0.01	3.18	2.2	2	1.0	61.2	0.25	<0.05	2.0	0.076	0.65	6.7
J980508		90.9	11.6	<0.002	0.01	1.53	1.3	2	0.5	72.6	0.15	<0.05	1.2	0.044	0.41	11.0
J980509		354	11.6	<0.002	0.01	57.2	1.4	3	1.1	80.0	0.14	<0.05	1.2	0.039	0.46	10.9
J980510		1135	27.4	<0.002	0.01	171.5	3.4	3	7.6	64.2	0.35	<0.05	2.5	0.101	2.19	16.3
J980511		8990	124.0	0.010	6.04	124.5	12.6	23	12.9	220	0.40	0.06	4.3	0.293	2.24	3.1
J980512		47.4	10.7	<0.002	0.01	1.84	1.3	2	0.6	68.9	0.13	<0.05	1.1	0.035	0.16	13.8
J980513		48.6	7.4	<0.002	0.01	4.28	1.1	3	0.4	71.6	0.09	<0.05	0.8	0.027	0.13	22.5
J980514		132.5	18.4	<0.002	0.01	2.07	2.2	3	0.8	76.8	0.25	<0.05	1.8	0.071	0.49	10.0
J980515		170.5	17.7	<0.002	0.01	1.97	2.0	3	1.0	66.2	0.24	<0.05	1.8	0.066	1.18	15.0
J980516		3.2	1.4	<0.002	0.01	0.09	0.4	1	0.2	51.8	<0.05	<0.05	<0.2	<0.005	<0.02	1.2
J980517		51.8	2.3	<0.002	0.01	0.59	0.6	3	0.2	62.7	<0.05	<0.05	0.2	0.006	0.10	6.1
J980518		1605	1.7	<0.002	0.01	4.32	0.7	2	0.2	60.6	<0.05	<0.05	0.2	0.007	1.93	3.8
J980519		2440	8.5	<0.002	0.01	10.65	2.2	2	0.9	31.0	0.10	<0.05	1.1	0.037	8.74	3.1
J980520		3320	3.2	<0.002	0.01	23.0	0.7	3	23.0	51.3	<0.05	<0.05	0.5	0.008	0.40	7.3
J980521		41.6	2.0	<0.002	0.01	0.30	0.4	4	0.3	53.6	<0.05	<0.05	<0.2	<0.005	0.09	0.6
J980522		348	0.9	<0.002	0.01	3.14	0.7	6	2.3	71.9	<0.05	<0.05	0.4	0.006	0.07	2.6
J980523		1490	3.0	<0.002	0.01	6.89	0.8	4	2.6	73.3	0.06	<0.05	0.3	0.018	1.10	2.1
J980524		42.8	3.2	<0.002	0.01	0.49	0.6	5	1.8	66.2	<0.05	<0.05	0.4	0.011	0.05	1.8
J980525		54.9	2.4	<0.002	<0.01	0.58	0.5	5	2.6	77.2	<0.05	<0.05	0.2	0.005	0.05	2.8
J980526		37.7	2.6	<0.002	0.01	0.56	0.6	7	1.2	80.4	<0.05	<0.05	0.2	0.006	0.05	3.3
J980527		49.0	3.6	<0.002	0.01	0.83	0.6	1	1.1	67.4	<0.05	<0.05	0.3	0.008	0.05	1.9
J980528		9.7	0.9	<0.002	<0.01	0.22	0.4	4	0.3	71.3	<0.05	<0.05	<0.2	<0.005	0.02	0.8
J980529		9.6	0.7	<0.002	0.01	0.33	0.4	5	0.2	71.6	<0.05	<0.05	<0.2	<0.005	0.02	0.4
J980530		13.5	2.7	<0.002	<0.01	0.70	0.7	4	0.3	57.3	<0.05	<0.05	0.2	0.005	0.04	2.0
J980531		8.0	5.4	<0.002	<0.01	0.69	0.8	5	0.5	72.3	0.07	<0.05	0.5	0.015	0.05	17.6
J980532		12.2	4.2	<0.002	<0.01	0.44	0.8	5	0.5	71.8	<0.05	<0.05	0.4	0.012	0.04	9.7
J980533		22.5	1.0	<0.002	<0.01	0.67	0.5	5	0.2	53.7	<0.05	<0.05	<0.2	<0.005	0.02	2.9
J980534		>10000	242	0.017	>10.0	227	8.7	44	21.5	140.0	0.47	<0.05	5.7	0.227	4.47	5.0
J980535		18.0	6.3	<0.002	0.01	0.59	0.9	3	0.4	61.8	0.06	<0.05	0.5	0.018	0.08	6.6

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Project: RAU (CHEETAH)

CERTIFICATE OF ANALYSIS VA10112654

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Ag- OG62 Ag ppm 1	Pb- OG62 Pb % 0.001	Zn- OG62 Zn % 0.001
J980500		19	0.7	3.0	27	14.7			
J980501		23	1.3	3.2	36	15.1			
J980502		16	0.4	2.2	16	9.3			
J980503		17	0.3	1.8	22	6.8			
J980504		14	0.2	2.2	33	4.2			
J980505		20	0.3	3.3	59	13.0			
J980506		22	0.9	2.4	196	11.0			
J980507		36	2.4	4.1	496	24.5			
J980508		23	1.9	3.6	318	15.1			
J980509		26	2.2	3.5	569	16.0			
J980510		49	15.7	8.5	2040	35.3			
J980511		93	3.5	14.7	>10000	63.2	346		1.270
J980512		26	1.6	3.2	228	14.3			
J980513		24	0.9	4.2	174	11.2			
J980514		35	1.8	4.1	403	24.5			
J980515		36	2.9	3.6	353	21.3			
J980516		4	0.1	0.9	20	0.5			
J980517		13	0.7	2.0	118	3.2			
J980518		15	6.2	2.3	1080	4.1			
J980519		34	25.1	7.2	3140	12.2			
J980520		20	27.2	4.4	4860	5.0			
J980521		4	0.6	1.0	66	0.6			
J980522		8	3.1	1.9	942	3.7			
J980523		18	9.4	3.4	2030	5.8			
J980524		13	0.7	1.2	236	3.7			
J980525		9	5.0	1.5	163	2.3			
J980526		9	4.9	1.6	141	3.1			
J980527		12	1.9	1.5	338	3.7			
J980528		9	0.9	1.0	87	1.3			
J980529		8	0.5	1.1	50	0.6			
J980530		18	1.3	1.7	112	2.1			
J980531		21	1.1	3.1	45	6.4			
J980532		18	0.9	2.6	72	5.2			
J980533		11	0.7	1.9	78	2.0			
J980534		73	6.1	11.7	>10000	58.3	693	1.870	2.68
J980535		24	2.8	2.2	97	6.7			

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 27- AUG- 2010
Account: RCM

Project: RAU (CHEETAH)

CERTIFICATE OF ANALYSIS VA10112654

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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Finalized Date: 18- AUG- 2010
This copy reported on 9- SEP- 2010
Account: RCM

CERTIFICATE VA10112693

Project: VA10104815

P.O. No.:

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 13- AUG- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND- 02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 18- AUG- 2010
Account: RCM

Project: VA10104815

CERTIFICATE OF ANALYSIS VA10112693

Sample Description	Method Analyte Units LOR	Au- AA26 Au ppm 0.01
I076553		2.31
I076554		0.09
I076555		0.06
I076556		0.15
I076557		<0.01
I076558		0.13
I076559		0.25
I076560		0.47
I076561		0.17
I076562		0.35
I076563		0.47
I076564		0.63
I076565		5.40
I076566		5.10
I076567		1.32
I076568		1.40
I076569		3.76
I076570		0.09
I076571		0.13
I076572		0.17
I076573		0.55
I076574		0.12
I076575		0.05
I076576		0.08
I076577		0.04
I076578		0.17
I076579		0.92
I076580		1.06
I076581		1.17
I076582		0.87
I076583		0.40
I076584		1.14
I076585		1.84
I076586		<0.01
I076587		0.01
I076588		<0.01

Comments: **RE- ANALYSIS DATA FOR SAMPLES ORIGINALLY REPORTED ON CERTIFICATE VA10104815**

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To: **ATAC RESOURCES LTD.**
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Finalized Date: 26- AUG- 2010
Account: RCM

CERTIFICATE VA10113693

Project: RAU

P.O. No.: BATCH 66

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 14- AUG- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- 31	Fine crushing - 70% <2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% <75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
Ag- OG62	Ore Grade Ag - Four Acid	VARIABLE
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Pb- OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn- OG62	Ore Grade Zn - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 26- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10113693

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
I076831		7.20	<0.01	0.30	6.59	30	850	1.70	0.11	11.45	0.07	87.7	24.8	45	12.40	31.7
I076832		4.86	<0.01	0.11	5.28	33	810	1.30	0.08	11.35	0.06	74.7	24.3	32	9.46	19.2
I076833		4.58	<0.01	0.15	2.32	21	330	0.75	0.43	14.35	0.04	27.8	14.0	23	4.89	17.0
I076834		8.14	0.03	0.32	4.80	29.3	320	1.17	3.02	6.56	0.25	64.0	25.1	46	6.61	51.9
I076835		6.86	<0.01	0.06	8.00	51.9	560	1.61	0.80	4.72	0.11	104.0	45.3	56	10.60	36.4
I076836		5.36	<0.01	0.01	0.08	<5	20	0.08	0.02	20.8	0.06	1.43	1.3	3	0.25	1.9
I076837		7.84	0.01	0.05	6.55	49.2	670	1.13	0.26	9.49	0.05	122.0	52.9	39	21.8	30.3
I076838		7.62	<0.01	0.06	7.65	25	890	1.48	1.20	12.25	0.02	121.0	34.2	43	22.6	44.4
I076839		6.96	<0.01	0.07	5.51	7	540	1.36	1.85	13.00	0.02	96.7	26.0	29	24.3	72.4
I076840		3.86	<0.01	0.15	1.28	27	90	0.57	2.19	17.40	0.05	5.45	14.4	33	16.15	74.6
I076841		8.26	<0.01	0.40	6.59	70	1710	2.12	2.26	10.60	0.87	102.5	32.8	43	17.00	33.5
I076842		4.00	0.01	0.24	6.32	66	1630	1.96	1.97	10.75	0.80	108.5	32.3	44	16.45	20.6
I076843		4.24	<0.01	0.26	1.01	<5	2340	0.36	0.29	20.1	3.41	15.20	3.1	16	0.59	3.5
I076844		5.16	<0.01	0.05	0.76	1.5	160	0.19	0.03	1.08	0.17	18.05	0.7	9	0.55	2.0
I076845		5.36	<0.01	0.95	4.03	21	1850	0.92	0.13	11.40	18.70	47.2	18.4	106	2.36	38.6
I076846		4.14	<0.01	0.04	6.42	38.4	2610	1.86	0.03	8.72	0.70	83.0	34.5	119	4.57	98.4
I076847		3.20	<0.01	0.17	11.40	110.0	5450	3.77	0.16	0.54	0.61	157.5	9.8	114	7.66	35.6
I076848		2.76	0.02	0.43	12.15	79.0	7530	3.30	0.35	0.39	4.16	123.5	47.1	85	7.30	66.5
I076849		3.18	<0.01	1.09	0.30	77	8390	0.64	0.63	18.05	13.00	6.19	60.1	6	0.27	7.5
I076850		4.36	0.01	<0.01	0.07	5	40	0.08	0.03	20.5	0.08	1.21	1.4	2	0.14	1.7
I076851		5.46	<0.01	0.15	0.18	<5	330	0.24	0.03	19.60	1.07	5.45	1.9	4	0.11	4.7
I076852		3.46	<0.01	0.19	0.06	5	150	0.12	0.07	19.25	0.72	1.97	1.7	3	0.22	16.3
I076853		4.56	<0.01	0.15	0.11	17	260	0.13	0.06	10.55	0.89	1.93	1.4	13	0.08	2.3
I076854		0.14	0.43	>100	4.67	8670	220	0.97	0.20	2.04	272	34.7	15.9	39	8.01	950
I076855		2.14	<0.01	0.37	0.03	25	40	0.10	0.04	19.75	2.06	1.13	1.0	2	0.06	1.7
I076856		3.86	<0.01	0.18	0.04	13	8640	0.19	0.24	20.7	3.57	1.75	2.5	3	<0.05	1.5
I076857		1.48	<0.01	0.57	0.02	24	2680	0.30	0.35	19.75	5.69	1.66	1.7	2	<0.05	2.7
I076858		0.12	0.24	>100	5.83	3950	400	0.84	0.14	2.37	137.0	27.9	14.0	47	4.49	492
I076859		5.30	0.01	0.34	0.03	30	180	0.13	0.10	20.9	3.73	1.12	1.1	2	0.05	1.6
I076860		3.22	<0.01	0.33	0.08	10	860	0.17	0.27	21.1	3.98	1.93	1.4	2	0.08	1.5
I076861		5.88	<0.01	0.04	0.28	14	20	0.13	0.45	13.85	0.08	8.43	6.9	3	0.34	8.6
I076862		5.66	<0.01	0.46	8.96	13.5	1640	1.24	0.88	4.17	0.17	98.7	58.8	58	7.97	148.0
I076863		8.38	<0.01	0.25	10.40	17.9	4400	1.94	0.89	3.58	0.39	162.5	36.0	76	10.35	38.9
I076864		7.98	<0.01	0.81	8.47	26.4	2870	1.25	1.27	7.97	1.11	132.0	39.6	61	10.35	45.4
I076865		8.20	<0.01	0.24	3.10	18	560	0.72	1.24	13.70	0.08	42.7	25.1	34	7.49	32.3
I076866		5.50	<0.01	0.05	0.83	10	270	0.28	0.13	18.80	0.50	14.60	5.6	14	2.16	10.2

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 26- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10113693

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I076831		5.06	20.7	0.28	1.1	0.065	3.62	42.4	35.5	5.56	650	5.19	0.04	40.4	77.4	2100
I076832		6.03	15.65	0.27	1.3	0.059	2.95	35.6	26.2	5.90	640	0.45	0.03	34.6	56.5	1970
I076833		4.57	8.10	0.17	0.9	0.013	1.31	17.8	15.4	7.87	382	0.49	0.02	14.4	40.1	660
I076834		9.95	15.60	0.32	0.9	0.025	2.30	32.2	28.2	3.89	280	0.37	0.04	30.6	59.8	2400
I076835		4.91	24.4	0.31	3.3	0.058	4.28	47.6	44.3	2.41	145	0.50	0.13	46.9	104.0	3290
I076836		0.42	0.11	0.12	<0.1	<0.005	0.04	0.7	1.4	12.30	181	0.10	0.01	0.5	3.5	210
I076837		3.38	19.15	0.27	3.7	0.036	3.38	62.3	37.9	4.82	357	0.40	0.26	33.7	98.7	2590
I076838		3.49	20.4	0.27	3.1	0.035	4.06	59.6	37.8	3.45	352	0.39	0.19	36.0	85.6	2610
I076839		3.68	13.65	0.26	1.7	0.015	3.26	48.8	41.5	7.52	554	0.34	0.10	17.7	88.3	1730
I076840		2.79	5.39	0.13	0.7	0.005	1.03	2.8	14.4	10.85	502	57.4	0.01	4.0	109.0	1160
I076841		3.06	18.80	0.24	3.3	0.021	3.22	46.5	41.1	5.81	394	8.28	0.06	33.8	93.4	1760
I076842		2.76	17.45	0.26	3.9	0.025	3.14	51.1	38.8	6.06	324	8.29	0.05	33.2	70.9	2110
I076843		0.96	2.61	0.09	0.6	0.012	0.58	12.9	7.4	2.74	734	0.22	0.02	6.4	9.9	550
I076844		0.33	1.78	0.06	0.2	<0.005	0.36	9.5	4.4	0.15	55	0.10	0.01	1.1	1.8	60
I076845		5.26	12.55	0.19	0.7	0.048	2.05	25.5	8.9	3.37	2670	0.32	0.03	15.2	37.8	1050
I076846		6.13	22.0	0.27	1.1	0.081	3.31	42.5	12.1	1.92	795	0.28	0.05	33.2	59.2	1950
I076847		5.15	33.5	0.43	3.2	0.122	5.90	72.1	11.4	0.58	56	2.39	0.09	26.4	88.6	6080
I076848		7.38	32.9	0.45	1.3	0.146	6.01	51.1	12.4	0.61	624	1.99	0.10	16.3	194.0	4360
I076849		2.74	1.11	0.10	0.2	0.032	0.12	4.8	4.3	10.65	3400	3.37	0.05	1.2	156.5	1310
I076850		0.44	<0.05	0.12	<0.1	<0.005	0.03	0.6	1.2	12.20	197	0.07	0.01	0.4	3.9	180
I076851		0.16	0.40	0.25	0.1	0.008	0.07	4.8	3.2	11.60	280	0.41	0.02	1.2	8.4	290
I076852		0.16	0.34	0.10	<0.1	0.092	0.02	1.4	3.0	11.55	382	0.70	0.02	0.3	5.3	220
I076853		0.15	0.59	0.18	0.1	<0.005	0.05	1.5	1.4	6.20	177	0.34	0.01	1.0	5.1	80
I076854		11.85	14.90	0.38	1.8	0.664	2.54	16.6	30.2	0.34	2090	10.85	0.03	6.5	24.3	400
I076855		0.15	0.19	0.06	<0.1	<0.005	0.01	0.9	1.9	11.95	337	0.62	0.01	0.2	4.3	30
I076856		0.31	0.35	0.17	<0.1	<0.005	0.01	1.4	2.1	12.00	780	1.13	0.03	0.3	9.4	600
I076857		1.06	0.53	<0.05	<0.1	0.006	<0.01	1.2	1.7	8.74	3260	2.63	0.01	0.3	13.3	360
I076858		8.02	15.00	0.21	1.5	0.333	1.70	13.5	22.1	0.84	1400	7.45	1.20	5.6	27.4	510
I076859		0.29	0.27	0.07	<0.1	<0.005	0.01	0.8	2.3	12.15	914	0.18	0.01	0.3	2.0	30
I076860		0.41	0.55	0.15	<0.1	0.007	0.03	1.2	2.6	12.30	1360	0.20	0.01	0.5	3.2	120
I076861		1.20	0.81	<0.05	0.2	0.016	0.07	4.4	1.9	7.32	354	0.66	0.02	1.3	9.8	490
I076862		5.29	20.7	0.25	2.9	0.037	4.54	42.8	52.4	2.93	124	0.69	0.18	40.1	152.0	2590
I076863		1.97	24.7	0.29	2.6	0.042	5.56	71.7	61.4	2.93	112	0.77	0.33	69.4	124.5	1850
I076864		2.95	17.90	0.28	4.7	0.042	4.46	59.9	56.8	4.30	239	0.65	0.24	61.8	110.0	2640
I076865		5.36	10.35	0.14	1.4	0.026	1.71	28.4	19.0	5.85	494	0.54	0.08	17.8	53.7	1370
I076866		0.98	2.71	<0.05	0.5	0.023	0.43	12.2	6.8	11.05	318	0.18	0.03	5.3	10.2	300

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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Finalized Date: 26- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10113693

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I076831		6.0	100.0	0.017	3.46	1.60	14.4	4	3.1	53.1	2.34	<0.05	3.9	1.295	1.45	1.6
I076832		4.8	83.1	0.004	5.82	1.24	12.2	3	2.3	55.3	1.88	<0.05	3.2	1.065	1.07	1.2
I076833		3.9	40.9	0.002	4.06	1.09	5.4	2	0.8	49.4	0.76	0.05	2.0	0.353	0.48	0.6
I076834		20.5	83.5	<0.002	9.45	2.26	10.1	4	2.1	31.9	1.61	0.15	3.1	0.858	0.97	0.9
I076835		9.0	86.0	0.002	4.73	1.53	18.2	4	3.8	57.8	2.64	<0.05	4.6	1.465	1.07	3.3
I076836		1.6	1.7	<0.002	<0.01	<0.05	0.3	2	<0.2	46.6	<0.05	<0.05	<0.2	0.006	0.02	0.5
I076837		3.7	94.8	<0.002	2.98	0.78	15.0	3	2.2	108.5	1.91	<0.05	4.7	1.015	1.25	3.5
I076838		2.5	153.5	<0.002	3.45	1.07	18.4	4	2.9	98.6	2.11	<0.05	5.4	1.125	1.55	1.5
I076839		2.1	329	<0.002	2.14	1.02	11.9	5	2.8	63.8	1.01	0.10	3.8	0.572	2.26	1.4
I076840		2.9	132.0	0.137	2.19	2.45	3.2	7	0.5	60.4	0.23	0.14	1.5	0.094	1.06	15.2
I076841		68.3	212	0.022	3.29	3.66	14.5	6	5.7	62.5	1.88	0.05	4.5	0.976	2.55	6.5
I076842		47.1	201	0.023	2.90	2.54	13.3	5	5.5	54.8	1.87	0.05	4.8	0.986	2.42	6.6
I076843		52.7	16.3	<0.002	0.29	0.67	2.5	2	0.4	156.5	0.34	<0.05	1.2	0.129	0.12	0.7
I076844		4.1	11.6	<0.002	0.02	0.21	1.1	2	0.2	15.1	0.05	<0.05	3.1	0.047	0.08	0.4
I076845		400	49.0	<0.002	0.60	6.18	16.8	2	1.0	127.0	0.82	<0.05	2.9	0.405	0.59	0.6
I076846		24.6	73.0	0.002	0.16	1.24	22.5	3	1.8	246	1.85	0.05	5.5	0.881	0.94	0.9
I076847		14.4	99.5	<0.002	0.32	5.62	23.8	4	4.5	508	1.64	0.07	8.0	0.764	1.49	5.9
I076848		54.3	89.5	<0.002	0.11	6.66	25.2	4	4.1	372	0.93	<0.05	5.8	0.575	2.29	6.5
I076849		288	4.2	<0.002	0.19	22.5	1.4	3	0.7	162.5	0.06	<0.05	0.4	0.021	2.22	4.2
I076850		1.7	1.3	<0.002	<0.01	0.06	0.3	2	<0.2	43.3	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
I076851		15.9	2.1	<0.002	<0.01	2.15	0.5	2	0.3	96.7	0.06	<0.05	0.2	0.020	0.05	1.4
I076852		26.3	1.1	<0.002	<0.01	2.09	0.3	2	67.5	86.6	<0.05	<0.05	<0.2	<0.005	0.10	1.7
I076853		11.5	1.7	<0.002	<0.01	0.66	0.3	2	0.2	40.1	<0.05	<0.05	<0.2	0.015	0.06	0.7
I076854		>10000	229	0.020	>10.0	227	9.2	43	21.0	123.5	0.44	0.06	5.4	0.225	4.53	4.4
I076855		25.4	0.5	<0.002	0.01	0.69	0.2	2	<0.2	56.8	<0.05	<0.05	<0.2	<0.005	0.02	0.3
I076856		53.0	0.7	<0.002	0.26	2.07	0.3	2	<0.2	236	<0.05	<0.05	<0.2	<0.005	0.10	5.2
I076857		83.0	0.3	<0.002	0.13	5.66	0.3	2	<0.2	768	<0.05	<0.05	<0.2	<0.005	0.18	2.7
I076858		8830	126.0	0.012	6.15	116.5	13.0	23	11.4	199.0	0.36	<0.05	3.7	0.297	2.36	2.6
I076859		58.5	0.6	<0.002	0.01	0.43	0.2	2	<0.2	53.9	<0.05	<0.05	<0.2	<0.005	0.02	0.5
I076860		33.7	2.0	<0.002	0.02	0.63	0.4	2	0.2	68.6	<0.05	<0.05	<0.2	<0.005	0.05	1.1
I076861		2.3	3.3	<0.002	0.86	0.67	1.3	2	0.8	59.1	0.07	<0.05	0.3	0.026	0.05	0.2
I076862		9.5	99.6	<0.002	2.65	0.93	17.8	4	7.8	61.8	2.29	0.08	3.8	1.355	1.14	2.4
I076863		22.8	173.5	0.002	1.13	1.14	22.4	4	13.3	85.2	3.95	0.06	5.5	2.11	1.41	1.4
I076864		31.2	184.5	<0.002	1.74	1.61	21.0	4	11.0	82.9	3.52	0.06	5.7	1.875	1.22	5.3
I076865		4.2	65.4	0.003	2.78	1.21	8.0	3	2.0	83.6	0.99	0.07	3.0	0.427	0.66	1.6
I076866		1.9	23.5	<0.002	0.89	0.69	2.5	2	0.5	53.9	0.29	<0.05	1.2	0.103	0.19	0.8

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 26- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10113693

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Ag- OG62 Ag ppm 1	Pb- OG62 Pb % 0.001	Zn- OG62 Zn % 0.001
I076831		234	0.7	19.6	52	47.1			
I076832		112	0.6	16.6	56	61.9			
I076833		61	0.8	14.1	13	41.1			
I076834		162	2.1	18.5	39	43.3			
I076835		251	2.1	24.3	22	163.0			
I076836		2	0.1	0.9	15	1.0			
I076837		173	0.6	23.1	20	186.0			
I076838		168	1.5	25.0	15	183.5			
I076839		131	2.3	21.1	19	91.6			
I076840		477	5.5	10.7	12	33.7			
I076841		220	5.1	21.4	203	171.0			
I076842		211	4.9	22.8	209	193.0			
I076843		22	0.7	9.6	871	29.7			
I076844		7	0.2	2.0	41	7.6			
I076845		136	2.9	10.7	5040	29.2			
I076846		221	0.7	13.3	434	45.9			
I076847		359	1.3	15.8	528	153.5			
I076848		230	4.2	18.8	1780	65.2			
I076849		28	5.2	6.4	2910	18.0			
I076850		2	0.1	0.8	20	0.5			
I076851		12	0.2	2.3	191	5.1			
I076852		12	0.4	2.2	200	1.4			
I076853		9	0.2	0.9	153	2.9			
I076854		73	5.6	10.3	>10000	56.1	713	1.880	2.60
I076855		6	0.1	1.1	268	0.6			
I076856		9	2.2	2.3	544	0.9			
I076857		8	10.5	1.8	1950	0.5			
I076858		95	3.1	13.6	>10000	48.9	354		1.275
I076859		5	0.3	0.8	363	0.5			
I076860		8	0.2	1.6	717	1.6			
I076861		7	0.2	13.4	31	5.4			
I076862		216	2.0	18.9	28	122.0			
I076863		266	3.8	29.4	48	110.5			
I076864		218	3.9	36.5	131	198.0			
I076865		82	0.8	21.9	27	57.5			
I076866		33	0.2	9.9	162	21.7			

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Finalized Date: 26- AUG- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10113693

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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1016- 510 W HASTINGS ST
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Finalized Date: 2- SEP- 2010
Account: RCM

CERTIFICATE VA10114593

Project: RAU

P.O. No.: BATCH 67

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 19- AUG- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- 31	Fine crushing - 70% < 2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
Ag- OG62	Ore Grade Ag - Four Acid	VARIABLE
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Zn- OG62	Ore Grade Zn - Four Acid	VARIABLE
As- OG62	Ore Grade As - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 2- SEP- 2010
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CERTIFICATE OF ANALYSIS VA10114593

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
I076867		1.32	<0.01	0.94	0.02	19	820	0.08	0.55	19.90	34.5	2.74	1.7	1	<0.05	4.1
I076868		2.38	0.01	5.38	0.20	28	2470	0.17	1.74	12.35	122.0	5.95	1.9	3	0.07	47.8
I076869		4.50	<0.01	0.04	0.04	<5	500	0.09	0.13	20.1	1.90	2.13	0.9	2	0.10	1.4
I076870		4.62	<0.01	0.12	0.04	6	200	0.10	0.10	19.50	2.18	3.03	0.8	2	0.06	1.1
I076871		2.90	<0.01	0.41	0.06	10	2270	0.14	0.33	19.25	12.00	1.95	1.2	2	0.06	2.1
I076872		1.84	<0.01	0.66	0.08	20	5360	0.57	1.91	19.05	25.6	2.41	2.2	2	0.07	7.3
I076873		4.12	0.01	<0.01	0.06	<5	50	0.05	0.05	19.70	0.10	1.52	1.2	1	0.13	2.0
I076874		1.46	0.01	7.36	0.02	10.4	300	0.14	0.59	9.16	154.5	1.25	1.8	1	<0.05	43.9
I076875		3.80	<0.01	0.45	0.09	9	5740	0.27	0.23	19.80	19.30	1.87	0.9	3	0.08	2.5
I076876		5.26	<0.01	0.25	0.07	6	260	0.22	0.31	19.50	1.80	2.17	0.9	2	0.08	1.5
I076877		5.24	<0.01	0.21	0.06	6	1290	0.19	0.25	19.70	1.00	1.64	1.0	2	0.08	1.2
I076878		2.40	<0.01	0.33	0.08	9	880	0.20	0.30	20.7	1.10	1.92	1.1	3	0.08	1.3
I076879		5.38	<0.01	0.07	0.05	<5	1060	0.13	0.15	20.9	0.48	1.44	0.9	2	0.07	1.1
I076880		1.72	0.01	0.35	0.08	8	110	0.16	0.82	20.4	0.99	1.79	1.0	3	0.09	1.9
I076881		4.72	<0.01	0.13	0.23	10	330	0.18	0.22	19.95	0.77	3.11	1.1	3	0.11	2.0
I076882		2.06	<0.01	0.40	0.47	14	590	0.28	0.22	18.75	1.13	5.55	1.4	5	0.19	3.6
I076883		1.30	0.01	0.76	1.08	45	1590	0.59	2.62	16.75	1.29	14.50	2.8	20	0.43	13.0
I076884		0.12	0.24	>100	5.52	4300	290	0.68	0.16	2.18	125.5	26.2	13.1	47	4.16	478
I076885		3.00	0.02	0.22	1.38	42	1270	0.25	1.26	17.75	0.64	7.62	7.2	28	0.38	11.9
I076886		4.00	<0.01	0.12	0.69	12	960	0.38	0.15	17.35	0.51	8.90	2.2	10	0.26	6.4
I076887		8.32	<0.01	0.10	10.55	4.5	1010	1.84	0.07	1.27	0.03	74.0	46.5	448	4.06	80.5
I076888		8.40	<0.01	0.08	9.62	4.4	880	1.57	0.06	4.77	0.04	63.5	73.9	487	5.78	30.5
I076889		7.94	0.01	0.05	1.16	60	300	0.23	0.33	30.9	0.24	14.45	3.8	22	0.58	4.1
I076890		6.66	0.01	0.18	0.41	104	180	0.08	1.80	33.7	0.44	9.88	2.4	10	1.10	6.3
I076891		2.96	0.03	0.78	0.98	128	320	0.22	0.88	32.1	0.66	23.7	2.9	11	0.82	5.2
I076892		4.82	0.08	5.78	7.35	3960	3970	1.26	25.6	0.34	2.38	80.1	27.8	266	9.42	95.9
I076893		4.40	0.25	3.15	6.87	4880	3430	1.21	4.76	0.41	1.85	107.5	32.3	217	8.37	83.1
I076894		7.10	<0.01	0.01	0.07	20	30	0.06	0.06	20.3	0.07	1.51	1.2	2	0.17	3.2
I076895		4.76	0.23	1.18	4.46	6460	4410	0.69	17.25	0.35	1.71	70.8	17.2	118	4.52	52.3
I076896		4.34	0.20	2.96	4.29	9660	2560	0.87	34.4	10.70	2.42	56.6	13.0	112	7.80	66.6
I076897		5.48	0.21	4.94	4.97	>10000	2850	0.83	72.5	0.65	2.52	48.8	12.4	171	13.10	79.3
I076898		0.26	1.42	0.57	4.89	84.8	100	0.97	1.31	0.99	0.12	15.25	23.4	162	22.8	459
I076899		4.56	0.27	1.73	0.66	>10000	810	0.20	220	1.37	4.94	26.0	3.7	12	0.63	34.2
I076900		4.22	3.00	1.06	0.29	>10000	470	0.08	597	2.51	1.95	18.20	2.6	1	0.26	17.2
I076901		4.56	9.74	0.91	0.43	>10000	510	0.09	494	1.55	0.83	14.30	0.7	2	0.56	60.4
I076902		1.30	1.14	2.82	0.40	>10000	300	0.27	97.5	1.49	1.61	19.20	2.3	2	0.33	34.8

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 2- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10114593

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I076867		0.41	0.23	0.05	<0.1	0.017	<0.01	1.8	1.6	11.60	1920	1.07	0.01	0.6	6.4	40
I076868		1.75	1.45	0.06	0.1	0.092	0.06	4.5	1.6	5.48	6140	4.15	0.01	1.1	17.4	520
I076869		0.35	0.23	0.08	<0.1	0.012	0.01	1.4	3.6	12.20	1220	0.63	0.01	0.4	3.6	90
I076870		0.12	0.22	0.16	<0.1	<0.005	0.01	2.1	3.5	12.30	408	0.30	0.01	0.3	3.0	30
I076871		0.24	0.36	0.19	<0.1	0.015	0.02	1.3	2.7	11.65	875	0.44	0.01	0.4	5.1	120
I076872		0.58	0.63	0.11	<0.1	0.027	0.02	1.6	1.9	12.00	2320	1.40	0.01	0.4	11.7	180
I076873		0.40	0.29	0.17	<0.1	<0.005	0.02	0.8	1.0	12.45	187	<0.05	0.01	0.4	2.7	220
I076874		2.05	1.31	0.06	<0.1	0.061	0.01	0.7	0.4	2.36	8320	1.78	<0.01	0.1	11.9	50
I076875		0.26	0.53	0.09	<0.1	0.022	0.03	1.1	2.8	12.05	761	0.71	0.01	0.4	4.5	140
I076876		0.17	0.30	0.08	<0.1	<0.005	0.02	1.3	3.9	12.10	347	0.34	0.01	0.3	3.3	140
I076877		0.15	0.34	0.19	<0.1	0.005	0.02	1.0	3.2	11.95	499	0.29	0.01	0.3	4.2	130
I076878		0.16	0.41	0.20	<0.1	<0.005	0.03	1.1	3.3	12.55	612	0.38	0.01	0.4	4.9	240
I076879		0.09	0.20	0.13	<0.1	0.005	0.02	0.8	3.0	13.15	319	0.19	0.01	0.2	3.6	100
I076880		0.15	0.34	0.21	<0.1	<0.005	0.02	1.0	3.2	13.00	317	0.25	0.02	0.3	5.4	70
I076881		0.17	0.78	0.21	0.1	<0.005	0.10	1.6	3.3	12.65	235	9.14	0.01	1.0	6.2	410
I076882		0.48	1.34	0.16	0.2	<0.005	0.21	3.1	4.1	11.95	192	5.88	0.02	1.9	8.6	850
I076883		1.26	3.38	0.18	0.6	0.005	0.49	9.7	5.9	10.40	251	11.15	0.02	4.7	21.9	2420
I076884		7.26	13.10	0.23	1.2	0.322	1.60	14.1	18.2	0.79	1320	6.98	1.11	5.0	26.9	490
I076885		1.28	2.47	0.08	0.3	0.005	0.63	4.0	5.4	11.40	261	2.25	0.02	3.7	35.4	290
I076886		0.67	2.12	0.10	0.4	<0.005	0.31	5.3	4.5	10.75	260	10.80	0.02	2.9	14.8	1760
I076887		11.55	27.0	0.32	0.7	0.106	3.82	33.5	26.2	1.70	530	1.41	0.11	63.3	316	1990
I076888		10.85	23.8	0.29	0.4	0.078	2.91	30.1	38.0	2.64	1160	0.58	0.13	40.7	427	2120
I076889		1.17	2.65	0.07	0.4	0.014	0.59	8.5	2.5	1.44	367	0.36	0.01	6.4	12.4	80
I076890		0.88	0.95	0.07	0.2	0.016	0.16	6.7	1.1	0.37	280	0.46	0.01	2.0	8.6	60
I076891		1.00	2.36	0.08	0.4	0.020	0.43	13.8	1.9	0.65	392	0.43	0.01	6.3	10.0	130
I076892		17.25	20.4	0.38	1.0	0.374	3.20	38.1	16.4	0.99	999	3.85	0.08	8.0	213	2010
I076893		17.40	16.85	0.43	0.9	0.109	2.93	51.7	17.8	1.08	823	2.69	0.06	7.0	229	2720
I076894		0.49	0.23	0.07	<0.1	<0.005	0.03	0.8	0.8	12.75	215	0.18	<0.01	0.3	3.1	190
I076895		13.40	11.95	0.26	0.9	0.101	1.81	49.6	7.8	0.69	379	2.04	0.03	5.5	104.0	1180
I076896		18.00	10.55	0.32	0.6	0.146	1.61	35.4	10.2	0.76	535	2.37	0.04	11.5	87.4	1110
I076897		27.2	15.15	0.46	0.7	0.238	2.29	28.3	12.9	0.62	672	3.63	0.05	7.4	93.2	1140
I076898		1.99	13.05	0.13	1.3	0.041	3.51	9.0	6.3	0.37	294	4.71	1.18	2.5	477	460
I076899		46.9	2.39	0.63	0.2	0.220	0.18	15.2	1.8	0.09	1010	3.03	<0.01	1.2	18.7	600
I076900		43.7	1.25	0.57	0.1	0.186	0.17	10.6	2.6	0.07	1480	2.43	0.01	0.9	10.6	450
I076901		44.1	3.56	0.59	0.2	0.238	0.53	7.3	6.3	0.10	1380	2.01	0.02	1.2	5.0	170
I076902		40.1	2.62	0.54	0.1	0.259	0.13	10.6	2.3	0.26	2380	0.92	0.01	0.9	9.9	320

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 2- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10114593

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I076867		47.9	0.3	<0.002	0.01	1.96	0.2	2	<0.2	62.9	<0.05	<0.05	<0.2	<0.005	0.21	0.5
I076868		311	3.4	<0.002	0.10	23.2	0.5	6	0.7	1420	<0.05	<0.05	0.3	0.010	0.19	3.8
I076869		15.9	0.9	<0.002	0.01	0.32	0.2	2	<0.2	78.0	<0.05	<0.05	<0.2	<0.005	0.02	1.1
I076870		15.3	0.8	<0.002	<0.01	0.24	0.2	2	<0.2	65.0	<0.05	<0.05	0.2	<0.005	0.02	0.6
I076871		34.4	1.3	<0.002	0.06	1.09	0.3	1	<0.2	74.7	<0.05	<0.05	<0.2	<0.005	0.15	1.0
I076872		190.0	1.3	<0.002	0.17	16.50	0.3	2	0.2	270	<0.05	<0.05	0.2	<0.005	0.54	1.6
I076873		2.5	1.2	<0.002	<0.01	0.07	0.2	2	<0.2	46.0	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
I076874		271	0.3	<0.002	0.66	29.1	0.3	4	0.8	1170	<0.05	<0.05	<0.2	<0.005	0.10	1.0
I076875		37.7	1.9	<0.002	0.16	2.10	0.4	3	0.6	134.5	<0.05	<0.05	0.2	<0.005	0.04	1.0
I076876		20.2	1.8	<0.002	<0.01	0.71	0.3	2	<0.2	68.1	<0.05	<0.05	<0.2	<0.005	0.03	0.9
I076877		16.9	1.7	<0.002	0.03	0.95	0.2	1	<0.2	64.3	<0.05	<0.05	<0.2	<0.005	0.05	1.0
I076878		22.6	2.2	<0.002	0.02	0.95	0.2	1	<0.2	69.1	<0.05	<0.05	0.2	<0.005	0.06	1.8
I076879		7.3	1.0	<0.002	0.03	0.15	0.2	2	<0.2	63.4	<0.05	<0.05	<0.2	<0.005	0.02	0.8
I076880		21.7	1.3	<0.002	<0.01	0.68	0.4	2	<0.2	56.2	<0.05	<0.05	<0.2	<0.005	0.02	0.8
I076881		22.7	4.3	<0.002	<0.01	0.38	0.5	3	0.2	63.5	0.05	<0.05	0.5	0.014	0.05	3.7
I076882		53.8	8.4	<0.002	<0.01	0.94	0.9	6	0.3	63.7	0.10	<0.05	0.9	0.032	0.10	7.7
I076883		95.5	19.0	0.002	0.02	2.06	1.8	20	0.9	64.9	0.26	<0.05	1.9	0.102	0.22	20.1
I076884		8440	116.5	0.011	5.90	102.5	11.1	21	10.2	207	0.33	<0.05	3.8	0.272	2.42	2.7
I076885		21.7	18.3	<0.002	0.01	1.81	3.6	4	0.8	53.5	0.20	<0.05	0.7	0.133	0.35	2.2
I076886		13.2	11.2	0.002	0.01	1.09	1.2	4	0.4	62.8	0.16	<0.05	1.4	0.053	0.16	17.1
I076887		2.3	49.6	<0.002	0.02	0.14	30.4	3	2.0	40.1	3.52	<0.05	5.7	1.645	0.33	0.8
I076888		6.7	46.2	<0.002	<0.01	0.21	29.1	2	1.8	93.4	2.50	<0.05	4.3	1.660	0.47	0.6
I076889		4.5	18.6	<0.002	0.01	0.13	2.7	2	0.3	262	0.32	<0.05	1.4	0.114	0.20	0.5
I076890		12.6	8.6	<0.002	0.01	0.28	1.1	2	0.3	299	0.09	<0.05	0.6	0.035	0.15	0.3
I076891		13.0	15.3	<0.002	0.03	0.32	2.0	2	0.4	271	0.33	<0.05	1.4	0.088	0.18	0.4
I076892		280	123.0	<0.002	0.16	4.59	22.0	2	6.7	49.4	0.44	0.08	10.7	0.293	1.55	3.1
I076893		40.9	109.0	<0.002	0.32	2.98	18.8	2	2.8	65.5	0.39	<0.05	10.8	0.240	1.65	3.6
I076894		2.1	1.6	<0.002	0.01	<0.05	0.3	2	<0.2	37.3	<0.05	<0.05	<0.2	<0.005	<0.02	1.0
I076895		35.3	51.6	<0.002	0.04	3.92	10.9	2	1.5	20.7	0.29	0.12	5.6	0.143	0.87	2.8
I076896		95.4	61.7	<0.002	0.08	3.97	10.5	2	2.5	61.8	0.64	0.15	4.0	0.265	0.80	3.0
I076897		164.5	121.0	<0.002	0.21	8.75	12.9	2	3.5	55.2	0.38	0.34	5.4	0.226	1.41	3.6
I076898		169.0	930	<0.002	0.30	2.29	3.1	1	2.9	49.2	2.10	0.15	2.1	0.080	8.99	0.8
I076899		53.2	7.2	<0.002	0.20	22.0	2.4	3	0.6	135.5	<0.05	0.39	1.8	0.020	0.83	5.7
I076900		53.4	13.0	<0.002	0.39	72.9	1.1	6	0.7	399	<0.05	0.74	1.2	0.005	0.93	8.2
I076901		69.3	34.3	<0.002	1.03	102.0	1.4	5	1.8	799	<0.05	0.71	1.8	0.011	1.44	8.5
I076902		12.8	10.7	<0.002	0.18	27.4	2.4	4	0.5	94.8	<0.05	0.13	0.8	0.008	0.58	4.9

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 2- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10114593

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Ag- OG62 Ag ppm 1	Zn- OG62 Zn % 0.001	As- OG62 As % 0.001
I076867		2	0.4	1.0	2350	<0.5			
I076868		8	2.5	2.8	>10000	4.6		2.93	
I076869		3	0.4	1.1	652	0.6			
I076870		4	0.5	0.9	467	0.7			
I076871		5	5.5	1.3	1090	1.6			
I076872		8	34.0	1.3	2590	2.1			
I076873		1	0.1	0.9	26	<0.5			
I076874		2	3.1	1.5	>10000	<0.5		4.47	
I076875		5	4.3	1.1	3690	1.8			
I076876		6	1.8	1.1	417	1.4			
I076877		4	3.0	0.9	379	1.4			
I076878		5	3.6	1.1	388	1.8			
I076879		4	0.5	0.7	187	1.1			
I076880		6	2.6	0.8	329	1.1			
I076881		12	0.7	1.5	234	5.3			
I076882		26	1.4	2.2	484	10.4			
I076883		88	2.8	5.1	816	23.8			
I076884		90	3.1	12.2	>10000	42.2	342	1.300	
I076885		31	1.5	2.5	555	14.6			
I076886		42	1.0	3.5	367	16.3			
I076887		189	0.6	22.5	137	30.7			
I076888		191	1.1	22.0	136	16.2			
I076889		16	0.5	6.6	52	18.3			
I076890		5	1.4	6.6	129	7.1			
I076891		10	1.0	10.4	86	17.2			
I076892		122	18.3	17.6	857	39.3			
I076893		106	6.1	30.6	604	40.7			
I076894		1	0.1	0.9	18	<0.5			
I076895		81	11.1	21.4	679	41.6			
I076896		75	21.1	26.4	967	29.5			
I076897		98	41.6	13.5	825	30.1			1.920
I076898		21	8.7	3.7	142	55.1			
I076899		12	25.3	14.6	610	6.5			5.06
I076900		6	35.7	11.9	373	5.2			8.09
I076901		12	190.0	7.5	103	10.9			6.25
I076902		16	149.5	19.9	261	5.2			4.77

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 2- SEP- 2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10114593

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 27- AUG- 2010
Account: RCM

CERTIFICATE VA10114594

Project: RAU (CHEETAH)

P.O. No.: BATCH 2

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 19- AUG- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- 31	Fine crushing - 70% < 2mm
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
Ag- OG62	Ore Grade Ag - Four Acid	VARIABLE
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Pb- OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn- OG62	Ore Grade Zn - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 27- AUG- 2010
Account: RCM

Project: RAU (CHEETAH)

CERTIFICATE OF ANALYSIS VA10114594

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
J980536		5.06	0.02	1.68	0.39	16	230	0.43	1.46	20.8	0.60	4.24	1.4	6	0.24	4.0
J980537		2.68	0.11	3.67	0.17	25	90	0.25	2.04	21.9	0.27	4.75	1.4	3	0.09	5.2
J980538		3.54	0.04	2.44	0.04	12	60	0.12	0.53	21.1	0.13	2.35	1.1	3	0.05	1.5
J980539		4.24	0.01	0.12	0.02	7	20	0.14	0.14	17.60	0.10	1.07	0.7	2	<0.05	1.4
J980540		4.72	0.01	0.48	0.03	9	30	0.16	0.37	18.80	0.28	1.10	0.9	2	<0.05	1.5
J980541		4.86	0.01	0.44	0.04	34	50	0.16	0.55	18.45	0.30	1.45	1.0	2	<0.05	2.1
J980542		3.84	0.05	2.13	0.59	373	280	0.33	20.5	17.80	2.20	16.60	4.5	13	0.66	9.2
J980543		4.00	<0.01	0.17	0.09	<5	20	0.09	0.16	19.85	0.13	1.55	1.2	2	0.19	1.8
J980544		4.36	0.01	1.37	0.20	26	130	0.25	1.19	15.15	0.68	4.21	1.6	6	0.15	3.5
J980545		5.06	0.02	1.21	0.38	19	280	0.31	0.98	14.95	0.15	5.04	1.7	12	0.15	4.1
J980546		4.92	0.04	0.45	0.84	51	290	0.42	1.21	20.0	0.26	11.65	3.9	9	0.35	2.7
J980547		5.44	<0.01	0.45	0.37	11	80	0.28	0.33	19.80	0.17	5.59	1.3	4	0.33	2.9
J980548		5.02	0.02	0.23	0.92	16	210	0.65	0.42	19.60	0.24	12.45	2.9	8	0.90	5.4
J980549		5.14	0.03	0.30	0.79	10	210	0.51	0.18	20.2	0.13	12.60	2.1	8	0.99	3.9
J980550		4.54	0.08	0.77	1.57	21	490	0.93	0.16	21.0	0.74	23.6	5.3	14	2.18	5.6
J980551		5.04	0.01	0.18	0.25	<5	100	0.20	0.06	20.7	0.36	4.71	1.5	4	0.26	2.3
J980552		0.12	0.24	>100	5.64	4640	250	1.02	0.12	2.18	135.0	26.4	13.0	46	3.96	510
J980553		4.98	0.01	0.36	0.39	16	190	0.27	0.04	20.4	0.57	6.07	1.6	4	0.41	2.5
J980554		5.36	0.01	0.20	0.51	11	220	0.38	0.01	20.6	0.22	7.22	1.6	6	0.62	2.5
J980555		4.56	0.02	0.47	0.57	18	240	0.34	0.28	20.9	1.32	6.52	1.7	7	0.49	3.2
J980556		3.96	<0.01	0.01	0.07	8	20	0.08	0.01	20.9	0.07	1.48	1.3	2	0.20	1.4
J980557		1.40	0.01	1.40	0.25	59	680	0.30	1.02	23.9	60.4	4.30	2.0	3	0.23	12.1
J980558		3.54	0.03	1.12	0.75	15	290	0.44	0.44	20.3	2.78	11.45	1.6	11	0.70	3.0
J980559		5.14	0.01	0.16	0.41	17	240	0.40	0.31	21.5	0.67	6.04	1.3	5	0.30	2.3
J980560		0.14	0.48	>100	4.49	9760	160	1.32	0.24	1.99	282	38.2	16.7	44	8.10	1065
J980561		4.94	<0.01	0.36	0.12	12	60	0.17	0.14	19.45	0.53	2.99	0.9	2	0.12	1.5
J980562		5.44	<0.01	0.10	0.04	<5	20	0.18	0.19	20.4	0.19	1.49	1.0	2	<0.05	1.3
J980563		2.52	<0.01	0.07	0.04	11	20	0.13	0.17	19.75	0.16	1.28	0.9	2	<0.05	1.1
J980564		5.04	<0.01	0.07	0.02	6	20	0.15	0.17	18.10	0.26	1.01	0.8	2	<0.05	1.1
J980565		5.48	<0.01	0.19	0.02	7	50	0.20	0.37	20.8	1.34	1.96	1.2	2	0.05	1.1
J980566		2.80	0.08	4.43	0.07	145	240	0.17	14.95	18.90	6.28	26.8	2.1	3	0.08	7.2
J980567		3.74	0.01	1.89	0.03	14	100	0.18	0.49	21.7	2.64	1.25	1.3	1	<0.05	1.8
J980568		3.52	0.03	3.03	0.06	53	130	0.26	1.01	23.2	3.57	3.27	2.8	1	0.15	7.1
J980569		5.08	0.08	4.65	0.09	218	100	0.19	2.34	22.6	5.67	18.70	1.5	3	0.20	3.9
J980570		4.86	0.06	3.25	0.18	174	130	0.23	2.73	23.6	2.26	5.32	1.1	3	0.15	3.7
J980571		5.10	<0.01	0.68	0.13	17	100	0.20	0.46	21.2	1.72	3.37	1.2	2	0.16	1.4

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 27- AUG- 2010
Account: RCM

Project: RAU (CHEETAH)

CERTIFICATE OF ANALYSIS VA10114594

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
J980536		0.51	1.78	0.07	0.2	0.015	0.17	2.3	4.5	11.95	392	0.40	0.02	1.5	0.8	340
J980537		0.98	0.88	0.09	0.1	0.005	0.06	2.5	3.5	10.85	327	0.84	0.02	0.6	1.1	450
J980538		0.37	0.33	0.21	<0.1	<0.005	0.01	1.4	4.0	12.75	482	0.26	0.01	0.2	<0.2	30
J980539		0.17	0.31	0.23	<0.1	<0.005	<0.01	0.7	2.2	11.00	289	0.24	0.01	0.1	<0.2	10
J980540		0.19	0.38	0.29	<0.1	<0.005	0.01	0.7	2.6	11.55	355	0.25	0.01	0.2	<0.2	30
J980541		0.29	0.39	0.27	<0.1	<0.005	0.01	0.9	2.8	11.05	376	0.39	0.01	0.2	0.3	20
J980542		2.63	1.78	0.10	0.3	0.049	0.24	10.5	4.5	9.19	1050	0.69	0.02	2.7	23.3	310
J980543		0.41	0.47	0.18	<0.1	<0.005	0.04	0.7	1.5	12.35	193	0.07	0.01	0.4	<0.2	200
J980544		0.35	0.84	0.20	0.1	0.007	0.08	2.5	3.2	8.87	314	0.26	0.01	1.0	4.7	60
J980545		0.35	1.38	0.19	0.2	0.006	0.17	2.7	4.0	8.89	289	0.30	0.02	1.8	5.6	90
J980546		1.14	2.96	0.13	0.5	0.009	0.40	6.1	7.0	10.35	219	1.05	0.03	3.1	12.1	680
J980547		0.24	1.32	0.06	0.2	0.007	0.17	2.9	4.3	11.95	146	0.67	0.02	1.3	1.1	570
J980548		0.59	2.89	0.06	0.6	0.009	0.44	6.7	4.6	11.45	135	1.97	0.03	3.3	8.2	940
J980549		0.49	2.42	0.07	0.5	0.012	0.38	6.9	4.3	11.00	146	1.29	0.03	3.3	5.7	1210
J980550		0.83	4.49	0.08	1.1	0.014	0.73	13.7	4.9	9.51	199	0.65	0.04	6.0	20.0	2320
J980551		0.13	0.78	0.09	0.2	<0.005	0.11	3.0	3.1	12.25	166	0.20	0.02	1.0	2.2	1850
J980552		7.42	14.55	0.25	1.7	0.320	1.66	12.9	24.1	0.80	1360	7.33	1.11	5.2	26.2	510
J980553		0.32	1.33	0.12	0.3	0.016	0.17	3.6	3.8	12.15	220	0.51	0.02	1.6	4.3	2190
J980554		0.27	1.74	0.28	0.3	0.006	0.22	4.6	4.6	12.70	186	0.34	0.02	1.9	4.5	2920
J980555		0.51	1.74	0.20	0.3	0.024	0.25	3.8	5.0	11.45	401	0.71	0.02	2.1	6.0	1140
J980556		0.42	0.43	0.28	<0.1	<0.005	0.02	0.7	1.2	12.95	202	0.12	0.01	0.3	0.2	210
J980557		1.51	2.15	0.12	0.2	0.682	0.10	2.6	3.5	9.31	3760	1.31	0.03	1.0	12.2	920
J980558		0.60	2.58	0.14	0.5	0.070	0.34	6.9	6.8	11.70	443	0.49	0.02	3.0	5.4	2930
J980559		0.36	1.50	0.26	0.2	0.006	0.18	3.2	5.0	11.95	290	0.34	0.02	1.5	4.1	1340
J980560		11.65	14.90	0.46	2.0	0.631	2.61	18.3	31.3	0.33	2150	9.96	0.04	6.2	27.5	410
J980561		0.15	0.53	0.17	0.1	<0.005	0.05	1.7	4.1	12.25	302	0.23	0.01	0.4	0.3	240
J980562		0.17	0.42	0.34	<0.1	<0.005	0.01	0.9	3.4	12.90	249	0.36	0.01	0.2	0.8	20
J980563		0.16	0.42	0.33	<0.1	<0.005	0.01	0.8	3.0	12.60	237	0.34	0.01	0.2	1.0	10
J980564		0.17	0.43	0.38	<0.1	<0.005	<0.01	0.7	2.5	11.25	300	0.20	0.01	0.1	0.7	10
J980565		0.36	0.42	0.34	<0.1	0.007	<0.01	1.2	2.9	12.25	547	0.23	0.01	0.2	2.8	30
J980566		2.75	0.98	0.14	<0.1	0.285	0.02	18.9	1.7	6.94	2380	1.04	0.01	0.2	14.5	200
J980567		0.28	0.41	0.19	<0.1	0.035	<0.01	0.9	1.9	11.35	1120	0.42	0.01	0.2	1.4	50
J980568		0.70	0.87	0.21	0.1	0.352	0.01	2.0	2.5	10.60	1900	0.94	0.01	0.3	7.8	240
J980569		2.02	0.96	0.11	0.1	0.097	0.02	13.3	2.8	9.36	607	0.70	0.02	0.6	7.2	870
J980570		1.52	1.58	0.11	0.1	0.075	0.05	3.3	3.0	9.49	526	0.63	0.02	0.7	6.3	640
J980571		0.25	0.73	0.32	0.1	0.032	0.05	1.8	3.2	11.85	423	0.34	0.02	0.6	2.4	630

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 27- AUG- 2010
Account: RCM

Project: RAU (CHEETAH)

CERTIFICATE OF ANALYSIS VA10114594

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
J980536		50.2	6.8	<0.002	0.01	1.09	1.0	2	0.4	62.7	0.08	<0.05	0.6	0.025	0.08	3.1
J980537		6.9	2.9	<0.002	0.02	0.82	0.8	2	0.3	60.2	<0.05	<0.05	0.3	0.009	0.04	3.6
J980538		6.6	0.4	<0.002	0.01	0.34	0.4	2	<0.2	53.0	<0.05	<0.05	<0.2	<0.005	0.04	2.1
J980539		5.0	0.2	<0.002	0.01	0.25	0.1	2	<0.2	55.3	<0.05	<0.05	<0.2	<0.005	0.02	2.1
J980540		16.8	0.4	<0.002	0.01	0.62	0.2	2	<0.2	54.8	<0.05	<0.05	<0.2	<0.005	0.04	1.4
J980541		16.1	0.5	<0.002	0.01	0.51	0.2	2	<0.2	59.9	<0.05	<0.05	<0.2	<0.005	0.03	1.9
J980542		176.5	8.6	<0.002	<0.01	3.26	1.7	1	0.6	44.6	0.14	<0.05	0.5	0.064	0.35	1.0
J980543		4.7	1.8	<0.002	<0.01	0.08	0.3	1	<0.2	48.9	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
J980544		24.4	3.0	<0.002	0.01	0.90	0.8	1	0.3	51.4	0.05	<0.05	0.2	0.019	0.07	1.1
J980545		8.3	5.8	<0.002	0.01	0.77	1.2	2	0.5	50.5	0.08	<0.05	0.3	0.036	0.07	1.0
J980546		10.3	12.6	<0.002	<0.01	0.68	1.6	2	0.5	73.1	0.16	<0.05	1.3	0.052	0.16	3.8
J980547		11.9	6.5	<0.002	0.01	0.53	1.1	6	0.3	73.1	0.08	<0.05	0.7	0.024	0.09	6.1
J980548		13.3	17.2	<0.002	0.01	1.35	2.1	6	0.5	81.4	0.21	<0.05	1.8	0.059	0.19	8.6
J980549		5.4	15.4	<0.002	0.01	1.11	1.9	8	0.5	78.4	0.21	<0.05	1.7	0.058	0.18	11.3
J980550		13.3	28.8	<0.002	0.01	3.82	3.2	7	0.9	68.4	0.38	<0.05	3.3	0.111	0.54	20.1
J980551		26.6	4.3	<0.002	0.01	1.01	0.7	6	0.2	78.7	0.08	<0.05	0.5	0.017	0.07	14.4
J980552		8910	116.5	0.011	6.34	112.0	11.6	24	10.6	209	0.34	<0.05	3.0	0.290	1.96	2.2
J980553		36.4	6.8	<0.002	0.01	1.64	0.9	2	0.2	74.5	0.09	<0.05	0.7	0.025	0.13	13.4
J980554		49.3	8.9	<0.002	<0.01	1.14	1.1	2	0.4	62.7	0.10	<0.05	0.8	0.029	0.12	18.8
J980555		105.0	10.1	<0.002	<0.01	1.55	1.3	1	0.3	53.0	0.11	<0.05	0.7	0.035	0.19	6.2
J980556		1.7	1.3	<0.002	<0.01	0.05	0.3	2	<0.2	48.9	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
J980557		870	3.9	<0.002	<0.01	7.17	0.9	2	8.6	38.4	<0.05	<0.05	0.4	0.014	0.57	4.0
J980558		168.5	13.4	<0.002	<0.01	1.28	1.6	1	0.6	60.6	0.17	<0.05	1.2	0.050	0.18	18.6
J980559		34.3	6.4	<0.002	<0.01	0.66	1.0	2	0.4	52.5	0.08	<0.05	0.6	0.025	0.09	8.2
J980560		>10000	248	0.020	>10.0	250	7.8	45	20.8	131.5	0.42	<0.05	5.5	0.235	3.96	4.5
J980561		29.5	1.9	<0.002	0.02	0.53	0.5	2	0.2	49.1	<0.05	<0.05	0.2	0.006	0.03	2.6
J980562		11.2	0.4	<0.002	0.01	0.30	0.2	2	<0.2	42.3	<0.05	<0.05	<0.2	<0.005	<0.02	2.4
J980563		9.8	0.4	<0.002	0.01	0.33	0.2	1	<0.2	36.6	<0.05	<0.05	<0.2	<0.005	<0.02	2.1
J980564		14.3	0.2	<0.002	0.01	0.29	0.2	2	<0.2	35.8	<0.05	<0.05	<0.2	<0.005	<0.02	2.3
J980565		66.0	0.2	<0.002	0.01	0.55	0.2	2	<0.2	47.5	<0.05	<0.05	<0.2	<0.005	0.05	3.0
J980566		478	1.0	<0.002	<0.01	4.46	0.6	2	0.7	38.0	<0.05	<0.05	0.3	<0.005	0.44	2.0
J980567		341	0.3	0.002	<0.01	1.38	0.2	2	0.3	38.3	<0.05	<0.05	<0.2	<0.005	0.08	1.1
J980568		1370	0.7	<0.002	<0.01	12.75	0.5	2	2.4	44.7	<0.05	<0.05	<0.2	<0.005	0.34	0.9
J980569		350	1.1	<0.002	<0.01	3.46	0.6	2	0.9	40.2	<0.05	<0.05	0.2	0.006	0.08	3.6
J980570		204	2.4	<0.002	<0.01	3.80	0.6	2	1.8	44.1	<0.05	0.06	0.2	0.007	0.05	3.2
J980571		41.0	2.2	<0.002	<0.01	0.79	0.4	1	0.4	54.6	<0.05	<0.05	0.3	0.006	0.04	3.6

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Finalized Date: 27- AUG- 2010
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Project: RAU (CHEETAH)

CERTIFICATE OF ANALYSIS VA10114594

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	Ag- OG62	Pb- OG62	Zn- OG62
	Analyte	V	W	Y	Zn	Zr	Ag	Pb	Zn
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	LOR	1	0.1	0.1	2	0.5	1	0.001	0.001
J980536		22	2.1	2.3	153	8.0			
J980537		21	1.9	2.6	61	4.6			
J980538		13	0.6	1.4	46	0.7			
J980539		9	0.4	0.6	30	0.5			
J980540		6	0.9	0.6	64	1.4			
J980541		11	1.2	0.9	75	0.9			
J980542		22	14.7	4.0	631	13.1			
J980543		3	0.2	1.0	22	<0.5			
J980544		9	2.6	1.7	91	4.1			
J980545		12	2.2	1.7	36	7.9			
J980546		24	1.2	3.0	29	17.7			
J980547		16	0.5	1.9	21	8.9			
J980548		36	0.8	3.6	32	23.4			
J980549		28	0.8	4.7	39	20.9			
J980550		50	1.2	7.6	205	39.2			
J980551		13	0.5	3.4	79	6.4			
J980552		96	3.2	13.7	>10000	50.0	349		1.285
J980553		17	0.6	4.5	156	9.4			
J980554		30	0.7	5.1	111	13.7			
J980555		28	1.3	2.8	282	10.9			
J980556		1	0.1	0.9	17	<0.5			
J980557		47	8.8	2.9	2430	5.5			
J980558		40	1.5	5.1	530	16.5			
J980559		22	1.6	2.7	294	8.4			
J980560		79	6.0	10.6	>10000	55.0	698	1.845	2.60
J980561		9	0.5	1.3	120	2.4			
J980562		13	0.3	0.6	68	1.0			
J980563		13	0.3	0.5	67	1.0			
J980564		10	0.1	0.4	68	0.6			
J980565		13	0.2	1.0	236	0.6			
J980566		19	8.7	3.3	2140	0.6			
J980567		4	2.0	0.6	476	0.8			
J980568		10	7.9	1.7	1020	4.9			
J980569		11	3.5	2.7	1240	2.4			
J980570		14	2.0	2.0	993	2.6			
J980571		9	0.8	1.5	180	2.5			

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Finalized Date: 27- AUG- 2010
Account: RCM

Project: RAU (CHEETAH)

CERTIFICATE OF ANALYSIS VA10114594

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

ALS Canada Ltd.

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Finalized Date: 3- SEP- 2010
Account: RCM

CERTIFICATE VA10114595

Project: RAU

P.O. No.: BATCH 69

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 19- AUG- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- 31	Fine crushing - 70% < 2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 3- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10114595

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
I076939		2.42	0.11	13.15	0.42	1760	190	0.14	124.5	11.90	7.92	11.55	3.5	8	0.43	9.7
I076940		5.48	0.16	3.73	5.07	755	850	1.05	43.6	7.32	4.87	83.4	11.8	89	10.45	19.5
I076941		10.68	0.03	0.69	0.97	146	160	0.25	2.31	17.70	0.69	14.20	3.0	17	2.62	6.5
I076942		11.00	0.02	0.10	1.21	124	170	0.34	2.88	17.65	0.48	15.75	4.0	23	3.77	8.1
I076943		5.26	0.05	0.07	1.08	92	150	0.28	2.49	17.40	0.36	12.10	3.2	20	2.98	5.6
I076944		10.90	0.02	0.07	0.64	149	130	0.27	2.86	18.05	0.94	11.25	2.0	9	1.91	3.4
I076945		9.12	0.02	0.07	0.56	118	170	0.28	15.50	18.25	1.16	10.40	1.8	7	3.48	3.9
I076946		10.58	0.01	0.16	0.58	80	70	0.27	3.27	19.00	2.47	8.83	1.7	6	3.56	4.8
I076947		7.00	<0.01	<0.01	2.33	<5	350	0.51	0.08	26.0	0.10	41.4	11.9	72	1.54	10.6
I076948		6.38	<0.01	0.07	2.93	25	1350	0.66	0.14	21.4	0.24	40.6	13.3	86	1.63	19.2
I076949		6.98	<0.01	<0.01	6.32	7	2280	1.00	0.27	11.85	0.11	78.7	39.5	216	4.32	55.0
I076950		8.06	<0.01	<0.01	6.23	1.0	190	1.21	0.19	5.20	0.09	73.8	43.7	220	7.20	58.5
I076951		5.04	<0.01	0.01	0.10	<5	20	0.05	0.10	22.2	0.06	1.69	1.2	3	0.19	2.5
I076952		7.56	<0.01	<0.01	5.96	<5	1420	1.90	0.06	12.85	0.21	99.1	16.4	73	7.43	22.6
I076953		7.76	<0.01	0.10	1.45	6	240	0.47	0.02	29.9	1.39	25.8	6.0	24	0.37	6.2
I076954		6.96	<0.01	0.74	1.71	56	230	0.47	0.01	29.8	3.28	25.7	8.0	21	0.71	14.8
I076955		7.54	<0.01	0.18	2.61	68	450	0.84	<0.01	25.9	1.46	44.6	11.3	22	1.84	11.1
I076956		7.08	0.01	0.34	2.06	86	430	0.72	0.08	25.6	6.36	45.2	12.5	20	1.82	15.2
I076957		4.50	<0.01	0.01	0.08	<5	20	<0.05	<0.01	20.4	0.06	1.44	1.0	3	0.14	1.6
I076958		0.28	0.37	7.38	5.31	<0.2	70	1.01	1.27	1.38	0.02	22.3	8.5	33	21.2	14.1
I076959		3.36	<0.01	0.02	0.45	<5	130	0.10	0.01	35.6	0.08	5.16	3.0	19	0.17	2.5
I076960		3.82	<0.01	<0.01	7.92	<0.2	380	0.71	<0.01	6.91	0.04	45.0	46.9	235	2.04	58.5
I076961		5.34	<0.01	<0.01	7.20	<0.2	650	0.71	<0.01	5.17	0.03	46.6	49.2	232	3.30	52.2
I076962		3.64	<0.01	<0.01	7.33	<0.2	1400	0.86	<0.01	5.86	0.04	48.5	41.1	227	2.56	94.6
I076963		4.12	<0.01	<0.01	7.55	<0.2	620	0.63	<0.01	3.76	0.03	41.0	50.9	248	0.69	104.0
I076964		4.98	<0.01	<0.01	7.25	<0.2	940	0.73	<0.01	4.84	0.03	44.7	46.5	248	0.97	86.9
I076965		5.48	0.01	<0.01	7.12	<0.2	190	0.59	<0.01	4.37	0.03	45.2	47.1	244	0.69	75.9
I076966		5.46	<0.01	<0.01	7.09	<0.2	110	0.70	<0.01	3.33	0.06	40.3	48.2	254	0.88	74.2
I076967		3.66	<0.01	<0.01	6.90	0.9	100	0.61	<0.01	5.54	0.05	44.9	46.9	228	0.90	69.2
I076968		3.62	<0.01	<0.01	6.50	<0.2	170	0.52	<0.01	7.28	0.03	39.8	42.9	196	1.76	76.1
I076969		3.26	<0.01	<0.01	6.75	<0.2	130	0.51	<0.01	6.81	0.04	44.7	47.6	219	2.87	77.0
I076970		5.22	<0.01	<0.01	5.46	1.5	140	0.76	<0.01	7.24	0.04	36.9	38.8	183	9.99	62.0
I076971		4.72	<0.01	0.69	5.65	105.0	590	0.82	<0.01	8.30	0.67	37.8	42.4	186	1.90	63.5
I076972		4.28	<0.01	8.57	2.07	41	2240	0.38	<0.01	18.20	18.95	24.8	6.7	97	0.88	41.4
I076973		0.28	1.40	0.60	5.04	74.6	90	1.19	1.46	1.02	0.13	16.45	23.6	149	26.5	445
I076974		2.82	<0.01	0.04	2.17	22	1270	0.50	0.03	24.7	0.19	25.7	11.8	60	1.08	17.1

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VANCOUVER BC V6B 1L8

Finalized Date: 3- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10114595

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I076939		15.35	1.85	0.23	0.1	0.085	0.12	4.9	1.0	2.98	2470	2.99	0.02	0.7	13.0	260
I076940		14.60	13.65	0.29	1.0	0.044	2.27	44.9	23.1	6.50	1650	1.54	0.06	31.6	52.9	1280
I076941		2.74	2.65	0.12	0.4	0.009	0.53	8.5	6.5	10.70	651	0.37	0.02	7.0	12.2	340
I076942		2.52	3.59	0.13	0.5	0.007	0.69	9.5	7.3	11.00	528	0.30	0.02	8.7	15.7	480
I076943		2.17	2.87	0.11	0.4	0.007	0.61	7.7	6.0	10.75	506	0.23	0.01	7.1	12.3	430
I076944		2.56	2.37	0.12	0.3	0.012	0.29	7.4	4.8	10.80	908	0.15	0.02	3.5	7.6	370
I076945		3.19	2.25	0.11	0.3	0.036	0.34	5.8	5.2	10.95	1600	0.13	0.01	2.9	7.6	220
I076946		1.85	2.31	0.11	0.3	0.019	0.30	5.1	4.0	11.55	1060	0.16	0.02	2.8	7.3	240
I076947		2.21	5.68	0.13	1.0	0.033	1.05	24.1	13.8	1.49	323	0.24	0.03	13.9	35.3	690
I076948		3.22	7.58	0.12	1.3	0.034	1.57	23.4	12.5	2.22	305	3.08	0.04	15.1	54.2	830
I076949		5.92	15.85	0.20	1.3	0.060	2.92	40.1	24.6	2.21	616	0.82	0.07	33.6	183.0	1580
I076950		6.44	15.25	0.21	1.7	0.060	0.91	38.1	43.7	7.67	1090	0.33	0.41	31.4	214	1830
I076951		0.49	0.33	0.11	<0.1	<0.005	0.04	0.8	1.4	13.25	205	0.10	0.01	0.4	5.2	220
I076952		3.83	15.85	0.18	1.7	0.057	2.25	54.2	33.3	2.29	1460	0.39	0.90	58.9	62.1	1770
I076953		1.43	3.76	0.09	0.7	0.017	0.75	15.5	4.8	0.61	1040	0.82	0.02	10.6	14.7	940
I076954		1.80	5.37	0.11	0.8	0.021	0.82	15.9	1.7	0.57	628	0.22	0.02	10.5	17.8	820
I076955		3.70	9.21	0.13	0.7	0.028	1.19	23.4	3.3	0.80	458	0.29	0.03	18.3	28.9	1670
I076956		4.11	7.47	0.14	0.5	0.026	0.93	23.7	3.3	0.71	971	0.49	0.03	14.3	31.1	1710
I076957		0.43	0.26	0.10	<0.1	<0.005	0.03	0.6	1.1	12.05	186	0.08	0.01	0.4	3.8	200
I076958		2.10	15.25	0.14	1.4	0.020	3.61	11.2	9.5	0.65	299	9.76	1.32	2.5	8.1	470
I076959		0.58	0.99	0.06	0.1	0.012	0.23	3.2	1.3	0.28	312	0.70	0.01	2.1	12.5	20
I076960		6.89	18.10	0.17	1.2	0.052	1.06	21.8	32.4	4.67	767	1.74	3.01	26.3	181.0	1050
I076961		7.03	18.00	0.18	1.1	0.050	1.68	22.5	42.2	5.47	732	0.19	1.91	27.3	195.0	1050
I076962		7.20	18.80	0.18	1.3	0.056	1.97	24.1	39.4	5.24	838	0.21	1.23	29.5	152.0	1120
I076963		7.40	18.65	0.16	1.1	0.049	0.69	18.9	35.6	6.98	768	0.46	2.04	29.0	205	1120
I076964		6.57	16.85	0.16	1.6	0.049	0.92	22.4	30.2	5.92	777	1.10	2.23	27.3	209	1060
I076965		6.78	15.75	0.17	1.7	0.049	0.25	22.2	31.5	6.28	615	0.43	2.56	27.7	200	1090
I076966		7.43	16.95	0.16	1.2	0.049	0.28	19.2	40.1	7.24	517	0.39	1.84	28.5	206	870
I076967		6.21	16.90	0.17	1.6	0.048	0.21	22.1	29.9	5.69	754	0.82	2.44	27.0	195.0	1080
I076968		6.15	17.20	0.16	1.5	0.045	0.57	19.8	32.1	5.74	838	0.50	1.71	24.1	201	1140
I076969		6.07	19.25	0.16	1.7	0.051	0.41	21.3	34.8	5.45	872	0.41	1.94	26.0	206	1090
I076970		5.46	14.65	0.13	1.2	0.037	0.42	17.8	25.9	5.22	857	0.67	0.73	21.0	165.0	1120
I076971		5.73	14.85	0.16	1.0	0.041	0.27	18.6	25.2	3.10	1580	0.34	0.02	22.8	171.5	960
I076972		2.25	4.72	0.09	0.5	0.019	1.04	14.3	10.4	0.37	511	1.11	0.05	10.8	25.9	290
I076973		1.93	13.95	0.16	1.4	0.041	3.57	8.5	8.2	0.36	284	4.89	1.20	2.5	451	450
I076974		2.02	5.71	0.11	0.8	0.025	1.13	14.1	8.8	2.05	338	1.50	0.04	8.6	64.8	400

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Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I076939		126.5	8.7	<0.002	0.04	4.36	1.7	4	0.9	33.8	<0.05	0.15	0.3	0.012	0.15	1.4
I076940		98.5	114.0	<0.002	0.05	2.72	7.9	3	4.5	52.7	1.75	0.17	5.7	0.453	1.06	1.7
I076941		2.4	24.7	<0.002	0.01	1.69	1.8	2	0.7	54.1	0.38	0.05	1.0	0.104	0.21	0.4
I076942		3.5	44.6	<0.002	0.02	2.98	2.3	2	0.8	44.8	0.48	0.05	1.3	0.148	0.31	0.6
I076943		3.3	37.6	<0.002	0.02	2.35	1.9	2	0.6	40.2	0.40	<0.05	1.1	0.132	0.28	0.5
I076944		4.3	27.8	<0.002	0.09	0.70	1.4	2	0.6	58.2	0.21	0.05	0.7	0.073	0.17	0.6
I076945		12.4	34.5	<0.002	0.36	0.87	2.0	3	0.6	72.3	0.18	0.05	0.6	0.060	0.28	0.4
I076946		20.1	52.2	<0.002	0.35	0.60	1.1	2	1.4	56.3	0.17	0.08	0.6	0.062	0.36	0.5
I076947		4.0	38.8	<0.002	0.60	0.09	5.9	2	0.6	676	0.84	0.06	2.4	0.385	0.24	0.9
I076948		10.8	47.9	<0.002	0.08	0.50	6.8	2	0.8	391	0.87	0.05	3.0	0.387	0.54	2.7
I076949		5.9	92.4	<0.002	0.10	0.23	16.9	2	1.5	165.0	2.01	<0.05	5.8	0.745	0.90	1.2
I076950		2.6	50.9	<0.002	0.05	0.15	18.0	2	1.4	187.0	1.87	<0.05	6.2	0.691	0.29	1.3
I076951		2.2	1.9	<0.002	<0.01	<0.05	0.3	2	<0.2	55.2	<0.05	<0.05	<0.2	0.006	<0.02	0.8
I076952		5.1	86.0	<0.002	0.02	0.12	8.2	2	2.2	181.0	3.46	<0.05	10.3	0.482	0.35	1.1
I076953		30.6	22.7	<0.002	0.04	0.66	2.7	2	0.5	439	0.62	<0.05	2.1	0.162	0.14	0.7
I076954		206	27.1	<0.002	0.04	3.05	3.3	2	0.5	177.5	0.64	<0.05	1.7	0.275	0.17	0.9
I076955		90.2	47.5	<0.002	0.03	2.13	4.9	2	0.8	142.0	1.09	<0.05	1.9	0.543	0.33	1.0
I076956		187.0	40.0	<0.002	0.03	2.06	4.3	2	0.6	112.0	0.85	0.05	1.7	0.418	0.36	1.0
I076957		2.0	1.3	<0.002	<0.01	<0.05	0.2	1	<0.2	48.6	<0.05	<0.05	<0.2	0.005	<0.02	0.6
I076958		13.5	800	<0.002	0.01	0.68	7.3	1	1.1	62.2	0.26	<0.05	1.3	0.253	6.10	0.7
I076959		2.6	4.9	<0.002	0.61	0.10	1.3	2	0.2	299	0.10	<0.05	0.3	0.056	0.05	0.3
I076960		3.3	20.3	<0.002	0.13	0.09	23.2	2	1.0	671	1.40	<0.05	3.3	0.863	0.09	0.7
I076961		2.7	33.0	<0.002	0.01	0.09	21.8	2	1.1	435	1.42	<0.05	3.3	0.817	0.10	0.7
I076962		3.5	32.7	<0.002	0.01	0.10	22.5	2	1.1	600	1.54	<0.05	3.4	0.856	0.09	0.7
I076963		1.9	4.0	<0.002	0.01	0.10	21.3	2	1.1	230	1.56	<0.05	2.6	0.878	0.03	0.7
I076964		2.1	13.1	<0.002	0.01	0.08	21.4	2	1.0	223	1.51	<0.05	3.3	0.828	0.05	0.7
I076965		1.8	4.2	<0.002	0.12	0.08	21.6	2	1.1	158.5	1.52	<0.05	3.3	0.842	0.02	0.8
I076966		4.2	3.0	<0.002	0.01	0.13	20.7	2	1.1	110.5	1.57	<0.05	2.7	0.843	0.03	0.7
I076967		2.2	4.7	<0.002	0.02	0.09	20.7	2	1.0	203	1.40	<0.05	3.1	0.792	0.04	0.6
I076968		2.0	12.7	<0.002	0.01	0.05	18.8	2	0.9	277	1.35	<0.05	3.0	0.736	0.07	0.6
I076969		1.9	14.0	<0.002	0.06	0.07	20.8	2	1.0	275	1.37	<0.05	3.1	0.753	0.22	0.6
I076970		2.4	30.3	<0.002	0.05	0.83	16.7	1	0.8	210	1.11	<0.05	2.6	0.615	0.47	0.5
I076971		69.3	16.9	<0.002	0.03	17.85	18.0	2	0.9	221	1.17	<0.05	2.7	0.657	0.30	0.9
I076972		3210	23.6	<0.002	0.62	15.95	6.1	2	0.7	195.0	0.57	<0.05	1.6	0.264	0.52	0.7
I076973		172.5	920	<0.002	0.31	2.36	3.1	1	3.0	55.6	1.81	0.17	2.2	0.080	7.86	0.8
I076974		8.2	35.2	<0.002	0.14	4.67	5.5	2	1.2	266	0.46	<0.05	2.2	0.222	0.44	1.3

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 3- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10114595

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5
I076939		15	26.6	13.8	1180	7.1
I076940		77	20.3	18.6	1220	46.8
I076941		19	2.1	6.9	154	19.8
I076942		23	2.1	7.6	169	27.7
I076943		21	1.5	6.3	135	22.2
I076944		14	64.2	8.1	198	17.4
I076945		16	23.2	9.0	222	14.1
I076946		14	2.8	6.5	394	15.1
I076947		60	0.4	15.6	55	43.8
I076948		77	0.5	14.4	70	63.7
I076949		161	0.5	18.4	84	80.0
I076950		161	0.4	19.3	102	106.0
I076951		5	0.1	1.0	15	0.7
I076952		79	2.3	24.9	81	116.0
I076953		30	1.3	13.3	355	34.6
I076954		50	1.4	10.9	954	41.0
I076955		71	4.1	10.8	641	34.0
I076956		60	2.4	13.7	1640	26.0
I076957		4	0.1	0.9	18	0.5
I076958		54	0.4	11.8	26	59.9
I076959		8	0.2	2.5	18	6.5
I076960		158	0.5	20.0	92	37.1
I076961		160	0.4	19.2	90	41.6
I076962		171	0.6	20.8	89	47.9
I076963		167	0.6	17.5	90	34.1
I076964		159	0.5	18.6	86	59.2
I076965		154	0.4	18.2	86	65.9
I076966		164	0.5	16.5	100	41.6
I076967		152	0.4	18.0	82	67.5
I076968		145	0.4	18.2	89	58.6
I076969		151	0.4	18.5	94	64.8
I076970		121	0.5	16.0	72	42.9
I076971		125	7.4	15.3	305	44.3
I076972		37	4.6	7.2	4000	23.4
I076973		20	8.4	3.8	137	89.7
I076974		43	0.5	9.0	209	39.3

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 3- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10114595

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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Finalized Date: 3- SEP- 2010
Account: RCM

CERTIFICATE VA10114596

Project: RAU

P.O. No.: BATCH 70

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 19- AUG- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- 31	Fine crushing - 70% < 2mm
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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Finalized Date: 3- SEP- 2010
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Project: RAU

CERTIFICATE OF ANALYSIS VA10114596

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
I076975		3.42	<0.01	0.27	7.89	41.8	3060	1.39	1.99	0.55	0.09	110.0	16.4	294	2.33	24.3
I076976		0.26	0.39	7.11	5.14	1.2	80	1.17	1.34	1.32	0.04	17.60	8.6	33	18.75	13.2
I076977		4.62	<0.01	0.26	6.69	4.6	1420	1.13	0.19	5.42	0.10	77.6	33.8	225	10.20	52.4
I076978		5.16	0.01	0.26	6.39	6.7	1470	1.17	0.42	6.34	0.06	68.9	34.4	223	9.28	73.2
I076979		2.60	<0.01	0.29	6.69	27.7	830	1.32	0.35	3.88	0.06	75.3	41.5	252	12.55	44.5
I076980		5.32	<0.01	0.11	1.68	<5	940	0.41	0.11	24.3	0.08	18.90	6.8	36	0.62	14.5
I076981		2.24	<0.01	0.30	5.75	<5	1250	0.96	0.04	13.35	0.08	62.4	23.7	177	8.87	32.8
I076982		3.92	<0.01	0.01	0.08	<5	20	0.06	0.04	20.6	0.08	1.34	1.8	2	0.19	2.2
I076983		5.04	<0.01	0.11	1.29	<5	260	0.35	0.04	27.2	0.11	15.30	6.2	31	0.92	8.7
I076984		6.12	0.02	0.18	1.30	75	230	0.44	0.26	27.9	0.50	15.75	7.1	17	0.68	8.1
I076985		7.22	0.01	0.13	1.07	62	270	0.29	0.47	30.2	0.39	12.85	3.4	23	0.47	7.5
I076986		4.84	<0.01	0.14	1.78	160	290	0.51	0.08	25.5	0.29	21.3	7.4	23	0.70	9.3
I076987		5.56	<0.01	0.11	1.02	198	210	0.40	0.06	26.3	0.73	17.50	7.0	13	0.39	9.2
I076988		1.94	0.90	0.55	3.67	4890	770	1.19	179.0	4.57	4.58	43.4	33.0	34	7.74	253
I076989		0.28	1.42	0.67	4.96	78.5	90	1.19	1.60	1.00	0.17	13.10	21.8	164	25.9	464
I076990		6.48	0.37	0.32	6.80	4040	1670	1.46	12.25	10.05	0.74	62.1	45.6	41	10.50	25.4
I076991		5.94	0.21	0.32	7.73	4960	1610	1.73	3.28	4.91	0.37	66.3	65.9	43	21.0	36.2
I076992		4.26	<0.01	0.31	6.40	1255	1160	1.19	0.72	9.34	0.42	77.6	63.9	32	17.15	31.8
I076993		4.76	<0.01	0.34	8.56	181.0	1810	1.71	0.09	5.78	0.09	120.5	49.6	58	9.78	33.5
I076994		4.28	0.03	0.41	8.14	149.5	780	1.71	0.43	3.73	0.12	123.0	59.3	51	10.65	53.3
I076995		4.76	<0.01	0.01	0.16	5	110	0.08	0.03	20.6	0.08	1.81	1.8	3	0.29	5.9
I076996		7.14	0.04	0.40	1.35	186	280	0.58	2.51	16.45	0.59	18.75	12.2	21	2.36	24.4
I076997		6.94	<0.01	0.07	0.19	101	50	0.17	0.28	20.2	0.53	3.81	2.1	3	0.12	2.2
I076998		8.18	<0.01	0.12	0.14	39	50	0.22	0.35	20.5	0.51	4.04	1.7	5	0.17	1.6
I076999		7.62	<0.01	0.03	0.14	32	40	0.17	0.25	20.4	0.45	3.78	2.0	4	0.17	1.9
I077000		4.28	<0.01	0.10	0.90	64	550	0.56	1.62	11.50	0.09	2.70	0.8	18	0.62	3.8
I077001		7.40	<0.01	0.07	0.28	39	160	0.18	0.31	16.75	0.17	3.68	1.1	4	0.97	3.4
I077002		8.00	<0.01	0.04	0.06	6	20	0.14	0.11	20.7	0.19	1.99	1.2	3	0.17	1.0
I077003		4.86	<0.01	0.13	2.07	11.4	290	0.51	0.03	9.87	0.28	26.8	10.3	53	0.74	22.8
I077004		4.92	<0.01	0.17	7.21	13.9	360	1.12	0.03	6.89	0.31	63.4	35.9	164	4.50	77.8
I077005		5.18	<0.01	0.16	5.77	20.1	210	0.86	0.03	8.12	0.21	51.3	39.1	138	3.57	82.4
I077006		4.96	<0.01	0.21	6.39	17.5	300	1.00	0.03	7.05	0.37	56.6	31.6	149	3.52	85.4
I077007		2.38	<0.01	0.19	6.57	15.6	290	1.02	0.03	7.29	0.48	57.7	30.9	152	3.66	70.3
I077008		4.46	<0.01	0.04	0.74	0.8	40	0.17	0.02	0.09	0.02	17.20	0.7	10	0.47	2.8
I077009		6.26	<0.01	0.51	7.24	35.3	470	1.36	0.12	5.71	0.82	92.1	38.4	118	3.31	119.0
I077010		4.64	0.01	0.65	5.32	19.6	210	0.99	0.33	8.38	0.75	74.5	35.6	137	2.75	85.5

***** See Appendix Page for comments regarding this certificate *****

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 3- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10114596

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I076975		5.34	24.5	0.31	1.9	0.095	4.71	56.7	26.6	1.01	126	2.10	0.05	45.6	100.5	1810
I076976		2.14	16.55	0.18	1.5	0.019	3.51	9.6	9.0	0.61	299	9.57	1.27	2.4	8.6	470
I076977		5.80	18.05	0.34	2.4	0.057	2.84	41.2	29.0	4.37	999	1.42	0.29	34.5	163.5	1780
I076978		5.84	17.90	0.30	1.9	0.056	2.78	36.6	24.2	5.38	1260	1.09	0.08	35.0	195.0	1760
I076979		6.42	18.05	0.34	2.7	0.052	2.19	39.6	35.5	6.47	958	0.72	0.05	38.9	215	1860
I076980		1.41	7.91	0.13	0.9	0.017	0.92	14.3	4.1	0.49	420	0.57	0.01	12.3	25.2	600
I076981		4.45	16.90	0.24	1.6	0.045	3.13	34.4	20.8	1.52	687	0.38	0.56	50.3	111.5	1470
I076982		0.43	0.47	0.33	<0.1	<0.005	0.04	0.6	1.2	12.70	190	0.09	0.01	0.6	1.8	280
I076983		1.17	3.97	0.14	0.8	0.017	0.73	12.2	7.5	0.71	223	0.38	0.01	9.1	19.9	430
I076984		2.16	4.58	0.11	0.7	0.025	0.61	11.6	1.7	0.96	423	0.20	0.01	8.9	15.7	650
I076985		1.02	3.44	0.12	0.7	0.049	0.51	10.8	1.8	1.13	474	0.21	0.01	7.0	7.7	450
I076986		2.16	5.37	0.13	0.9	0.017	0.83	17.6	2.2	0.61	300	0.31	0.02	10.4	22.0	710
I076987		4.51	4.26	0.19	0.3	0.020	0.47	12.0	1.5	1.16	382	0.19	0.01	5.7	18.6	730
I076988		24.0	21.5	0.77	1.9	0.161	1.40	22.3	6.9	1.87	1720	0.33	0.03	8.8	74.4	2760
I076989		2.00	15.10	0.14	1.7	0.041	3.60	7.6	7.0	0.37	293	5.20	1.20	2.7	474	460
I076990		9.88	26.2	0.38	1.0	0.098	3.14	30.2	14.3	1.34	1310	0.20	0.08	40.9	86.1	2730
I076991		12.00	27.5	0.48	0.9	0.109	3.49	32.1	20.3	1.51	1730	0.61	0.08	31.2	146.5	3080
I076992		10.55	19.35	0.47	0.3	0.077	2.90	37.2	13.7	1.40	1640	0.69	0.07	35.6	121.5	2740
I076993		4.82	27.0	0.34	0.6	0.091	3.76	59.0	19.9	1.95	670	0.43	0.08	57.6	95.2	1580
I076994		8.38	27.1	0.49	0.6	0.063	3.97	58.5	18.4	4.57	612	0.91	0.08	38.0	120.5	2460
I076995		0.45	0.59	0.26	<0.1	<0.005	0.07	0.9	1.5	12.75	186	0.14	0.01	0.8	1.5	280
I076996		3.61	4.60	0.16	0.6	0.035	0.52	10.2	4.6	10.25	721	28.9	0.02	5.6	66.9	1200
I076997		0.95	0.45	0.13	<0.1	0.020	0.02	2.3	3.0	12.45	447	1.53	0.01	0.4	8.6	250
I076998		0.64	0.65	0.23	0.1	0.020	0.04	2.5	3.3	12.65	441	0.83	0.01	0.6	3.9	180
I076999		0.72	0.65	0.22	0.1	0.024	0.02	2.3	3.0	12.65	467	0.58	0.02	0.5	4.9	130
I077000		0.75	4.92	0.06	0.2	0.013	0.33	1.5	2.5	7.26	283	1.22	0.03	1.0	1.3	240
I077001		0.53	1.33	0.18	<0.1	0.008	0.11	1.9	3.3	10.55	342	0.41	0.01	0.3	1.7	80
I077002		0.22	0.54	0.39	<0.1	0.017	0.01	1.2	3.5	12.85	317	0.10	0.01	0.3	1.1	60
I077003		4.07	5.62	0.13	0.6	0.031	1.03	17.3	6.1	5.45	497	0.59	0.02	11.4	22.9	720
I077004		5.15	21.1	0.24	0.4	0.078	3.85	30.2	23.1	4.13	514	0.33	0.06	18.5	61.4	1610
I077005		6.92	17.05	0.29	0.3	0.068	3.01	24.9	17.6	4.56	672	0.22	0.05	14.3	66.0	1340
I077006		5.66	18.90	0.24	0.5	0.073	3.29	27.0	15.4	3.93	480	0.22	0.06	15.7	61.2	1430
I077007		5.54	18.50	0.24	0.5	0.069	3.38	27.3	15.1	4.09	518	0.21	0.06	16.3	59.5	1450
I077008		0.40	2.18	0.05	0.3	0.005	0.34	7.8	3.3	0.07	33	0.11	0.01	1.2	1.8	40
I077009		7.66	21.9	0.32	1.6	0.096	3.51	45.7	10.4	2.94	589	0.32	0.09	30.9	68.8	2560
I077010		6.03	16.70	0.25	0.7	0.080	2.49	40.1	8.1	4.29	844	0.27	0.08	25.7	50.3	1610

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Project: RAU

Finalized Date: 3- SEP- 2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10114596

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I076975		5.3	104.0	0.005	0.32	2.32	25.1	3	4.2	69.0	2.32	<0.05	10.3	0.674	1.42	1.5
I076976		12.1	780	<0.002	0.01	0.64	8.2	2	1.0	59.4	0.21	<0.05	1.2	0.248	5.83	0.6
I076977		1.3	149.0	0.004	0.82	0.43	18.3	2	2.5	254	1.78	<0.05	7.5	0.612	1.41	1.4
I076978		1.1	166.0	0.004	1.27	1.57	18.8	3	5.2	192.0	1.80	<0.05	6.7	0.691	1.14	1.3
I076979		0.8	175.0	0.003	0.50	0.62	20.5	3	4.2	104.0	2.10	<0.05	7.5	0.767	1.38	1.6
I076980		3.5	22.9	0.005	0.54	0.11	4.6	3	0.5	456	0.65	<0.05	1.9	0.232	0.10	1.0
I076981		2.2	95.7	0.004	0.58	0.19	15.0	3	1.2	217	2.58	<0.05	7.0	0.746	0.40	1.1
I076982		1.4	1.8	<0.002	<0.01	<0.05	0.4	2	<0.2	50.1	<0.05	<0.05	<0.2	0.005	<0.02	0.5
I076983		3.9	26.5	0.004	0.64	0.50	4.1	3	0.3	369	0.44	<0.05	1.3	0.197	0.15	1.0
I076984		23.1	23.2	0.003	0.04	1.39	3.4	3	0.4	174.5	0.45	<0.05	1.4	0.178	0.20	0.9
I076985		16.8	19.5	0.002	0.04	1.12	2.9	3	0.5	179.5	0.35	<0.05	1.3	0.125	0.12	0.8
I076986		7.2	28.1	0.002	0.03	2.89	4.4	3	0.4	151.5	0.55	0.05	2.0	0.204	0.20	0.9
I076987		12.6	16.9	0.004	0.25	1.60	2.9	4	0.3	131.0	0.28	<0.05	1.0	0.121	0.14	0.7
I076988		9.6	86.9	0.034	0.21	6.13	11.5	10	2.4	128.0	0.47	1.14	5.5	0.233	1.51	5.7
I076989		169.5	930	<0.002	0.30	2.37	3.5	2	2.9	52.0	2.12	0.17	2.0	0.083	7.72	0.7
I076990		2.1	153.5	0.003	0.40	1.65	13.4	5	3.8	114.0	2.11	0.05	3.9	1.270	1.06	2.3
I076991		2.6	195.0	0.004	0.18	1.63	16.2	5	4.4	59.1	1.70	0.05	4.8	1.005	1.56	2.0
I076992		2.6	136.5	0.004	0.37	1.09	13.5	4	1.8	81.9	1.87	<0.05	3.7	1.075	1.21	1.0
I076993		2.6	115.0	0.004	1.22	3.41	19.0	5	2.7	51.9	3.26	<0.05	5.3	1.660	1.29	0.5
I076994		3.4	112.5	0.004	3.48	4.41	18.1	5	3.5	64.3	2.11	<0.05	5.1	1.100	1.43	0.7
I076995		1.3	2.7	<0.002	0.02	<0.05	0.5	2	<0.2	51.7	<0.05	<0.05	0.2	0.009	<0.02	0.7
I076996		8.6	29.7	0.003	0.10	3.49	3.1	5	1.4	80.1	0.32	0.05	1.4	0.156	0.37	8.2
I076997		7.3	2.2	<0.002	0.01	0.13	0.5	3	0.5	71.4	<0.05	<0.05	<0.2	<0.005	0.03	1.6
I076998		13.3	5.1	<0.002	<0.01	0.13	0.6	3	0.9	71.9	<0.05	<0.05	0.2	0.009	0.04	1.5
I076999		4.4	2.6	<0.002	<0.01	0.14	0.6	2	0.3	81.6	<0.05	<0.05	0.2	0.005	0.02	1.4
I077000		3.4	23.6	<0.002	0.02	0.37	0.6	2	2.2	44.3	<0.05	<0.05	0.4	0.018	0.17	1.2
I077001		2.7	17.7	<0.002	0.03	0.23	0.6	2	0.3	66.9	<0.05	<0.05	<0.2	<0.005	0.09	1.2
I077002		4.6	1.6	<0.002	<0.01	0.14	0.3	2	0.3	67.5	<0.05	<0.05	<0.2	<0.005	0.02	0.7
I077003		13.3	21.5	0.002	3.50	0.43	6.5	2	0.5	79.5	0.66	<0.05	1.9	0.288	0.25	0.6
I077004		13.3	87.1	0.005	3.97	0.69	28.3	2	1.3	88.3	1.05	<0.05	2.9	0.693	1.07	1.0
I077005		12.2	71.3	0.004	5.87	0.61	22.4	3	1.0	108.0	0.79	<0.05	2.3	0.529	0.83	0.5
I077006		26.9	81.9	0.003	4.46	0.91	25.7	2	1.2	105.5	0.89	<0.05	2.7	0.573	1.06	0.6
I077007		26.8	81.7	0.003	4.23	0.87	26.4	2	1.2	107.0	0.92	<0.05	2.7	0.606	1.05	0.5
I077008		2.4	12.3	<0.002	0.03	0.20	1.4	2	0.2	9.0	0.07	<0.05	2.6	0.053	0.06	0.4
I077009		70.9	83.5	0.004	6.98	2.69	24.7	3	3.2	120.5	1.68	0.06	6.2	0.773	1.26	2.0
I077010		65.3	60.8	0.003	4.53	2.00	22.1	3	1.2	201	1.41	0.08	4.9	0.556	0.65	0.9

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 3- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10114596

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5
I076975		194	1.4	10.7	107	79.9
I076976		54	0.4	11.0	27	54.0
I076977		155	0.9	14.8	66	113.5
I076978		156	1.6	15.1	38	78.2
I076979		168	1.3	13.6	50	116.0
I076980		37	0.5	11.9	11	39.5
I076981		126	0.7	19.1	86	70.6
I076982		2	0.1	0.9	16	0.5
I076983		30	0.3	11.3	33	33.2
I076984		36	1.5	11.4	352	27.9
I076985		35	1.4	10.8	190	27.3
I076986		49	1.0	14.7	309	36.6
I076987		32	0.9	9.6	277	16.3
I076988		98	3420	34.8	837	74.4
I076989		21	10.1	3.6	141	60.5
I076990		162	31.6	17.7	230	41.3
I076991		175	18.6	19.9	136	33.9
I076992		143	3.7	18.5	210	11.4
I076993		208	4.0	17.2	44	22.6
I076994		183	1.3	19.4	38	25.1
I076995		2	0.2	1.1	15	0.7
I076996		293	3.3	11.9	120	22.3
I076997		19	0.8	3.3	69	1.3
I076998		21	0.9	2.8	52	2.6
I076999		18	0.6	2.9	55	2.3
I077000		34	2.5	1.4	20	6.9
I077001		11	0.6	2.2	24	1.2
I077002		7	0.4	1.2	36	1.2
I077003		60	0.7	9.5	64	23.3
I077004		246	0.8	9.0	164	15.3
I077005		198	0.6	8.3	181	9.8
I077006		213	0.7	8.8	164	21.7
I077007		221	0.8	8.5	190	15.3
I077008		8	0.1	1.9	2	8.7
I077009		234	1.8	11.9	379	67.7
I077010		194	1.4	9.7	218	27.6

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 3- SEP- 2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10114596

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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CERTIFICATE VA10114597

Project: RAU

P.O. No.: BATCH 68

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 19- AUG- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- 31	Fine crushing - 70% < 2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
As- OG62	Ore Grade As - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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North Vancouver BC V7H 0A7
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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 3- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10114597

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
I076903		3.98	16.60	5.81	0.22	>10000	540	0.12	1150	1.52	0.40	7.68	1.3	4	1.63	16.7
I076904		3.88	3.29	0.74	0.26	>10000	100	0.12	400	10.20	1.30	12.60	1.9	1	0.57	14.9
I076905		2.20	1.07	0.56	0.28	>10000	140	0.09	124.5	12.15	0.36	8.66	1.4	3	0.31	7.5
I076906		4.08	6.92	0.47	0.28	>10000	130	0.10	611	4.09	0.42	9.17	2.9	7	0.44	10.3
I076907		4.60	3.17	0.27	0.13	>10000	40	<0.05	728	9.45	0.41	8.45	1.8	<1	0.10	9.6
I076908		4.46	1.58	0.19	0.40	10000	220	0.20	174.0	14.95	0.28	8.16	2.0	2	0.41	4.7
I076909		7.58	0.01	0.01	0.07	52	10	0.06	0.66	21.0	0.05	1.22	1.4	1	0.17	2.6
I076910		3.18	3.51	0.30	0.54	>10000	470	0.22	321	17.90	0.57	10.55	2.4	5	0.48	7.1
I076911		3.54	12.70	0.64	0.83	>10000	290	0.26	466	6.98	0.66	13.35	3.1	7	0.80	11.4
I076912		4.42	9.81	0.54	0.32	>10000	210	<0.05	508	15.60	0.28	9.06	1.8	2	0.45	6.0
I076913		0.26	1.42	0.63	4.80	90.5	90	1.23	1.48	0.98	0.11	13.35	22.1	161	25.7	447
I076914		11.38	0.33	0.05	0.21	1340	140	0.14	9.89	20.4	0.27	6.45	1.3	4	0.27	3.2
I076915		7.68	0.18	0.10	0.16	1360	110	0.06	1830	20.4	0.30	8.59	1.3	3	0.21	6.0
I076916		8.16	0.04	0.05	0.16	743	100	0.10	54.7	19.85	0.25	7.64	1.2	3	0.30	2.1
I076917		6.92	0.31	0.16	0.05	6270	50	0.05	271	17.35	1.13	7.14	1.2	1	0.27	2.5
I076918		10.64	0.10	0.15	0.29	741	260	0.18	18.50	18.60	0.75	6.96	1.6	5	0.35	2.5
I076919		7.14	<0.01	0.01	0.07	16	20	0.06	0.34	20.6	0.06	1.25	1.4	2	0.17	2.0
I076920		8.56	<0.01	0.47	11.10	8.3	1630	2.53	0.31	0.94	0.02	147.5	30.8	214	6.11	53.9
I076921		8.48	<0.01	0.45	10.15	10.6	1510	2.36	0.34	0.88	0.04	147.0	45.7	153	3.55	58.2
I076922		3.72	<0.01	0.50	10.50	10.8	1660	2.57	0.36	0.89	0.03	154.0	46.3	176	3.73	74.8
I076923		8.10	<0.01	0.29	9.94	10.0	1650	2.84	0.96	0.42	0.04	95.5	60.2	362	2.05	69.2
I076924		8.28	0.01	0.38	9.07	2.7	1370	2.09	1.04	0.38	0.06	114.5	65.2	390	1.96	132.5
I076925		8.16	0.01	0.37	10.15	6.0	1780	2.41	1.01	0.54	0.11	154.0	78.7	362	2.05	253
I076926		7.76	<0.01	0.38	9.47	1.9	1910	2.51	0.29	0.49	0.09	128.0	62.2	348	2.00	124.0
I076927		8.62	<0.01	0.35	7.95	1.5	1070	1.59	0.16	5.30	0.25	108.0	40.8	295	2.38	72.8
I076928		7.92	<0.01	0.25	7.06	2.3	680	1.43	0.22	7.13	0.24	87.8	42.1	235	2.14	55.9
I076929		0.28	0.50	1.74	0.15	6370	50	0.07	74.8	16.55	2.21	15.05	1.7	7	0.35	17.9
I076930		8.04	<0.01	0.24	6.76	7.2	820	1.22	0.23	7.77	0.13	88.6	41.6	212	2.08	54.6
I076931		8.18	<0.01	0.32	6.71	2.1	650	1.51	0.17	6.09	0.07	90.4	36.2	266	6.44	40.5
I076932		7.84	<0.01	0.26	6.51	0.2	280	0.97	0.09	6.40	0.07	82.0	40.3	249	3.92	52.0
I076933		6.86	<0.01	0.33	7.26	<0.2	1080	1.73	0.13	6.39	0.14	115.5	29.9	168	6.00	33.6
I076934		7.64	<0.01	0.06	1.43	<5	290	0.47	0.17	31.1	0.16	18.65	6.7	32	0.59	7.9
I076935		9.70	0.12	0.52	0.18	1030	140	0.13	8.29	16.65	1.36	7.53	1.6	3	0.28	3.4
I076936		6.92	0.09	0.16	1.26	405	860	0.39	6.56	17.10	1.64	17.85	3.3	16	2.88	10.9
I076937		3.90	0.11	1.86	0.74	1300	330	0.25	120.0	15.30	4.21	10.10	3.2	9	1.13	104.0
I076938		3.72	0.31	12.45	2.58	4980	770	0.79	2190	4.54	10.15	14.90	8.3	28	2.71	32.3

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 3- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10114597

Sample Description	Method Analyte Units LOR	ME- MS61 Fe % 0.01	ME- MS61 Ga ppm 0.05	ME- MS61 Ge ppm 0.05	ME- MS61 Hf ppm 0.1	ME- MS61 In ppm 0.005	ME- MS61 K % 0.01	ME- MS61 La ppm 0.5	ME- MS61 Li ppm 0.2	ME- MS61 Mg % 0.01	ME- MS61 Mn ppm 5	ME- MS61 Mo ppm 0.05	ME- MS61 Na % 0.01	ME- MS61 Nb ppm 0.1	ME- MS61 Ni ppm 0.2	ME- MS61 P ppm 10
I076903		37.5	2.13	0.59	0.2	0.280	0.27	3.1	5.9	0.13	2300	1.12	0.01	0.6	6.5	180
I076904		32.6	2.43	0.71	0.1	0.226	0.10	5.2	1.0	1.53	5000	0.46	0.01	1.0	4.7	230
I076905		14.45	2.39	0.34	0.2	0.117	0.11	4.0	1.2	5.31	3280	0.24	0.01	1.2	3.1	140
I076906		38.4	2.41	0.69	0.2	0.213	0.11	3.4	1.0	0.80	3350	0.36	0.01	0.8	10.6	230
I076907		35.4	1.27	0.50	0.1	0.173	0.03	3.0	0.6	1.71	4510	0.37	0.01	0.5	3.7	250
I076908		17.00	2.66	0.31	0.3	0.084	0.15	3.9	1.3	4.89	3280	0.40	0.01	1.8	3.8	200
I076909		0.50	0.36	0.19	<0.1	<0.005	0.03	0.6	1.2	12.80	216	0.05	0.01	0.3	1.4	200
I076910		18.90	4.08	0.45	0.3	0.133	0.22	4.2	1.1	2.03	4980	1.01	0.01	2.2	6.3	270
I076911		35.4	6.55	0.64	0.4	0.150	0.33	6.3	1.8	3.07	2360	1.31	0.01	1.8	8.6	420
I076912		21.4	2.39	0.36	0.2	0.156	0.11	3.9	1.2	2.46	3340	1.17	0.01	0.9	3.9	220
I076913		1.95	14.20	0.10	1.4	0.040	3.46	7.7	8.5	0.36	286	4.69	1.15	2.4	468	440
I076914		3.25	1.27	0.05	0.1	0.042	0.08	4.1	2.2	11.10	1260	0.30	0.01	1.1	2.4	160
I076915		5.45	1.27	0.18	0.1	0.055	0.07	4.7	2.0	10.30	2580	0.48	0.01	0.8	3.1	160
I076916		2.03	1.00	<0.05	0.1	0.032	0.07	4.8	2.5	11.45	1610	0.14	0.01	0.9	2.1	100
I076917		7.91	0.55	0.16	<0.1	0.065	0.02	3.3	2.2	9.43	2730	0.39	0.01	0.4	3.4	60
I076918		3.69	1.63	<0.05	0.2	0.025	0.12	4.6	2.8	10.85	1280	0.43	0.01	1.5	2.9	170
I076919		0.47	0.39	0.20	<0.1	<0.005	0.03	0.6	1.3	12.75	217	0.06	<0.01	0.3	1.7	190
I076920		11.20	27.3	0.32	0.8	0.095	4.56	76.9	37.4	1.33	546	2.06	0.11	104.5	160.0	2400
I076921		9.08	26.8	0.32	1.6	0.091	3.81	81.5	41.2	2.21	562	2.29	0.09	107.0	125.5	2800
I076922		9.39	28.9	0.32	1.4	0.097	4.07	85.5	42.3	2.26	590	2.24	0.09	107.5	132.0	2970
I076923		7.50	30.9	0.28	1.8	0.112	3.85	48.0	31.0	3.10	611	1.11	0.08	81.1	311	1970
I076924		8.77	25.9	0.28	3.3	0.108	2.81	55.7	30.1	3.59	674	1.14	0.05	72.1	321	1720
I076925		9.19	28.3	0.32	3.6	0.118	3.36	77.4	30.2	3.50	624	2.15	0.06	83.9	346	2340
I076926		8.31	29.3	0.30	2.5	0.115	3.37	61.9	29.2	3.10	551	2.05	0.06	84.6	291	2340
I076927		8.54	21.4	0.26	3.1	0.081	1.81	55.7	28.5	4.65	1500	1.74	0.04	57.5	258	2220
I076928		7.12	17.65	0.22	1.8	0.067	1.09	46.0	38.1	5.53	1420	0.34	0.05	41.3	219	1980
I076929		11.05	1.44	0.23	0.1	0.120	0.05	6.3	2.1	8.84	4660	2.38	0.01	1.5	6.0	160
I076930		6.52	16.80	0.18	1.7	0.065	1.17	46.7	38.3	5.09	1160	0.46	0.08	44.6	202	1870
I076931		8.07	15.85	0.25	1.0	0.067	1.61	47.0	43.6	4.80	1280	0.12	0.56	53.0	221	1790
I076932		6.82	16.30	0.21	2.6	0.062	0.99	42.8	42.5	6.54	1280	0.26	0.50	40.2	212	1870
I076933		6.12	19.45	0.19	1.7	0.069	2.04	58.4	47.1	4.64	1060	0.47	0.83	65.9	131.0	2140
I076934		1.30	4.25	0.06	0.6	0.016	0.60	11.3	7.2	1.09	766	0.20	0.02	9.6	18.5	260
I076935		4.64	0.97	0.08	0.1	0.035	0.07	4.4	2.3	9.50	1140	0.57	0.01	0.8	3.3	100
I076936		2.31	4.47	<0.05	0.7	0.019	0.63	10.3	10.9	10.80	827	0.26	0.01	12.5	8.3	480
I076937		8.23	3.30	0.14	0.5	0.135	0.31	5.6	3.3	8.27	1100	0.51	0.01	5.2	7.3	320
I076938		33.4	14.35	0.63	1.4	0.218	1.03	7.1	3.5	1.49	1470	1.80	0.02	6.6	24.3	1180

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 3- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10114597

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I076903		18.3	27.9	<0.002	0.45	69.0	1.4	4	0.8	216	<0.05	0.94	0.3	0.008	0.44	4.0
I076904		82.5	12.1	0.003	0.08	23.3	1.5	3	0.9	122.5	<0.05	0.26	0.2	0.008	0.16	1.8
I076905		13.7	7.7	<0.002	0.03	6.92	1.0	2	0.4	74.3	0.05	0.15	0.5	0.012	0.09	1.1
I076906		12.3	6.7	0.004	0.08	31.2	1.4	4	1.5	71.8	<0.05	0.58	0.3	0.013	0.20	2.0
I076907		12.8	1.6	<0.002	0.05	30.1	1.6	4	1.2	53.1	<0.05	0.33	0.2	0.005	0.05	1.4
I076908		8.3	7.8	<0.002	0.02	5.56	1.3	2	0.5	57.1	0.09	0.09	0.8	0.018	0.09	1.3
I076909		1.2	1.3	<0.002	0.01	0.05	0.3	1	<0.2	46.5	<0.05	<0.05	<0.2	<0.005	<0.02	2.0
I076910		42.7	12.8	<0.002	0.02	6.95	2.2	3	0.9	40.1	0.09	0.10	0.3	0.040	0.12	2.1
I076911		57.0	20.1	<0.002	0.06	14.20	2.3	5	1.4	37.8	0.08	0.17	0.5	0.034	0.20	2.6
I076912		11.7	5.8	<0.002	0.04	17.50	1.5	5	1.6	43.9	0.05	0.13	0.2	0.017	0.11	2.3
I076913		163.5	910	<0.002	0.29	2.39	3.3	1	2.9	52.1	2.07	0.15	1.9	0.077	7.99	0.7
I076914		5.8	5.8	<0.002	0.01	1.10	0.9	2	0.4	74.8	0.05	<0.05	0.3	0.018	0.06	0.4
I076915		15.6	4.9	<0.002	0.03	23.6	1.4	4	1.3	76.2	<0.05	0.49	0.2	0.013	0.06	0.6
I076916		6.7	4.2	<0.002	0.03	1.37	0.7	1	0.3	78.4	<0.05	<0.05	0.2	0.015	0.05	0.2
I076917		46.8	1.6	<0.002	0.02	6.23	0.9	2	<0.2	91.0	<0.05	0.10	<0.2	<0.005	0.09	0.9
I076918		37.6	7.8	<0.002	0.01	0.77	0.8	2	0.5	68.4	0.08	<0.05	0.3	0.026	0.06	0.4
I076919		1.2	1.5	<0.002	0.02	<0.05	0.3	1	<0.2	41.3	<0.05	<0.05	<0.2	<0.005	<0.02	0.8
I076920		2.7	93.4	0.002	0.12	0.14	22.2	3	2.4	35.2	5.57	<0.05	10.5	1.770	0.54	1.2
I076921		1.8	74.7	0.002	0.21	0.19	18.4	2	2.6	34.6	5.76	0.05	11.3	1.310	0.47	1.4
I076922		1.7	85.7	0.002	0.21	0.14	20.7	3	2.8	35.5	5.62	0.05	11.3	1.435	0.51	1.4
I076923		2.0	50.1	0.002	0.33	0.29	26.3	3	3.3	28.4	4.58	0.05	9.4	1.325	0.37	1.5
I076924		3.4	46.1	0.002	0.76	0.28	26.8	3	2.8	21.6	3.99	0.05	9.9	1.390	0.28	2.4
I076925		6.4	63.0	0.004	1.14	0.28	28.5	3	2.9	24.3	4.49	0.07	12.3	1.525	0.30	3.2
I076926		5.0	52.2	0.003	0.91	0.28	26.4	3	2.9	23.4	4.54	0.06	10.5	1.505	0.29	2.8
I076927		2.4	39.5	0.003	0.26	0.08	21.6	2	1.9	90.7	3.18	<0.05	8.8	1.100	0.21	2.7
I076928		5.6	29.3	0.002	0.12	0.06	19.5	2	1.7	187.5	2.29	<0.05	7.4	0.791	0.13	1.2
I076929		112.0	5.0	0.002	9.34	3.01	0.6	1	3.3	125.0	<0.05	0.09	0.8	0.011	0.08	0.4
I076930		5.8	28.5	0.002	0.06	0.06	17.2	1	1.5	263	2.49	<0.05	7.3	0.810	0.09	1.3
I076931		5.7	60.2	<0.002	0.14	0.06	19.8	2	1.6	260	2.89	<0.05	6.8	0.977	0.35	0.8
I076932		3.4	37.5	<0.002	0.03	0.07	17.8	1	1.4	195.0	2.27	<0.05	6.6	0.784	0.20	1.4
I076933		7.8	65.3	0.002	0.10	0.08	15.8	2	1.9	215	3.66	<0.05	10.1	0.808	0.34	1.3
I076934		3.5	18.1	<0.002	0.26	0.06	3.7	2	0.4	665	0.50	0.05	1.6	0.213	0.06	0.8
I076935		48.0	4.3	<0.002	0.01	1.16	0.9	2	0.3	76.4	<0.05	<0.05	0.2	0.013	0.05	0.4
I076936		3.5	30.9	<0.002	0.01	1.35	2.4	2	1.1	59.8	0.64	<0.05	1.7	0.127	0.34	0.6
I076937		58.5	18.4	<0.002	0.02	5.33	1.6	3	2.1	44.1	0.26	0.05	1.0	0.058	0.23	0.9
I076938		401	69.6	0.002	0.05	22.0	3.6	6	4.9	23.5	0.38	0.44	2.8	0.093	0.65	3.0

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 3- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10114597

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	As- OG62 As % 0.001
I076903		10	119.0	12.0	91	7.2	6.06
I076904		9	346	19.5	216	5.8	4.35
I076905		10	6.6	11.5	84	6.6	0.991
I076906		34	412	16.6	82	8.6	4.22
I076907		8	61.6	13.3	74	3.3	1.695
I076908		8	17.6	12.5	93	10.2	0.955
I076909		2	0.2	0.9	15	<0.5	
I076910		13	22.5	18.4	90	15.5	1.020
I076911		23	22.6	16.1	169	19.8	1.410
I076912		15	12.8	12.7	84	9.5	1.220
I076913		21	8.5	3.5	136	57.8	
I076914		8	2.4	7.3	53	6.0	
I076915		9	4.2	10.2	73	5.0	
I076916		6	14.1	6.8	68	4.4	
I076917		7	21.1	9.5	240	1.0	
I076918		7	1.7	6.6	235	8.3	
I076919		1	0.3	0.8	15	<0.5	
I076920		198	0.7	32.3	100	35.9	
I076921		165	1.0	32.2	99	77.4	
I076922		179	1.1	33.1	98	66.8	
I076923		215	1.4	20.7	82	85.8	
I076924		243	1.3	24.6	108	151.0	
I076925		306	1.4	33.4	125	163.0	
I076926		303	1.4	31.1	115	123.5	
I076927		274	1.0	25.3	115	150.0	
I076928		170	0.4	20.3	99	83.1	
I076929		6	142.0	6.5	462	4.0	
I076930		161	0.4	20.7	101	79.7	
I076931		125	0.4	19.0	100	49.6	
I076932		166	0.3	19.2	104	118.5	
I076933		140	0.6	23.0	106	80.7	
I076934		28	0.4	9.2	26	28.8	
I076935		7	5.8	6.6	335	4.5	
I076936		19	7.6	8.9	94	30.3	
I076937		15	41.4	8.5	715	23.0	
I076938		48	269	11.9	2180	68.1	

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 3- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10114597

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 3- SEP- 2010
Account: RCM

CERTIFICATE VA10116100

Project: RAU- CENTRAL

P.O. No.: KATHY

This report is for 7 Rock samples submitted to our lab in Vancouver, BC, Canada on 19- AUG- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% < 2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Cu- OG62	Ore Grade Cu - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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Finalized Date: 3- SEP- 2010
Account: RCM

Project: RAU- CENTRAL

CERTIFICATE OF ANALYSIS VA10116100

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
G285195		0.36	<0.01	0.17	1.34	84.0	430	0.79	0.36	0.06	18.65	22.8	220	21	1.32	13.0
G285196		0.38	<0.01	0.20	0.86	5.1	210	0.71	0.05	0.03	24.0	23.7	155.5	8	0.89	10.1
G285197		0.48	<0.01	0.33	2.77	12.0	700	1.46	0.10	0.17	12.25	41.7	85.8	32	1.78	62.3
G285198		0.42	<0.01	0.18	3.39	11.9	80	0.58	0.07	0.11	0.83	17.45	52.9	31	0.30	65.8
G285199		0.92	<0.01	1.88	1.62	21.5	1810	1.22	0.11	0.49	1.54	45.8	27.5	49	3.04	85.6
G284992		0.70	7.37	23.9	0.23	418	100	3.57	2100	5.45	40.5	9.30	9.0	3	0.90	>10000
G284993		0.04	0.09	2.86	0.26	42.2	120	1.67	44.9	6.83	2.95	5.47	5.8	19	0.41	3710

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Finalized Date: 3- SEP- 2010
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Project: RAU- CENTRAL

CERTIFICATE OF ANALYSIS VA10116100

Sample Description	Method Analyte Units LOR	ME- MS61 Fe % 0.01	ME- MS61 Ga ppm 0.05	ME- MS61 Ge ppm 0.05	ME- MS61 Hf ppm 0.1	ME- MS61 In ppm 0.005	ME- MS61 K % 0.01	ME- MS61 La ppm 0.5	ME- MS61 Li ppm 0.2	ME- MS61 Mg % 0.01	ME- MS61 Mn ppm 5	ME- MS61 Mo ppm 0.05	ME- MS61 Na % 0.01	ME- MS61 Nb ppm 0.1	ME- MS61 Ni ppm 0.2	ME- MS61 P ppm 10
G285195		35.0	3.62	0.58	0.6	0.011	0.34	10.4	4.3	0.08	3250	1.06	0.07	2.2	94.9	310
G285196		43.4	2.22	0.80	0.4	0.008	0.18	11.1	1.7	0.03	2630	0.70	0.03	1.9	109.5	330
G285197		15.70	6.98	0.34	1.1	0.028	0.51	16.3	17.0	0.45	2870	3.02	0.14	3.8	82.2	550
G285198		6.41	10.75	0.15	1.0	0.047	0.03	7.4	58.1	1.09	1020	1.58	<0.01	8.2	60.7	760
G285199		2.78	5.30	0.17	0.6	0.015	0.46	28.3	11.1	0.12	346	5.90	0.03	1.5	45.4	2450
G284992		11.00	14.20	0.49	0.1	17.05	0.05	7.0	5.0	9.64	343	46.9	0.02	0.5	170.5	110
G284993		30.9	2.37	0.68	0.1	0.892	0.04	5.4	3.0	6.32	401	31.3	0.01	0.8	221	140

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CERTIFICATE OF ANALYSIS VA10116100

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
G285195		2.8	18.2	<0.002	0.21	1.23	2.5	3	0.3	14.2	0.13	0.06	1.8	0.106	0.33	1.8
G285196		2.3	9.9	<0.002	0.25	0.63	1.3	2	0.2	8.5	0.09	0.08	1.0	0.059	0.23	2.7
G285197		5.4	28.9	0.002	0.06	2.50	7.2	3	0.7	31.5	0.25	0.05	3.0	0.284	0.42	5.1
G285198		2.6	1.8	<0.002	0.01	3.92	13.3	3	1.0	6.2	0.52	<0.05	1.3	0.930	0.03	3.8
G285199		11.8	34.6	0.008	0.03	10.40	3.9	10	0.6	46.4	0.08	<0.05	2.6	0.046	0.57	12.4
G284992		287	18.0	0.011	0.11	461	0.1	39	>500	6.7	<0.05	0.46	0.3	0.008	0.21	24.7
G284993		39.0	3.7	0.012	0.29	42.1	0.5	62	49.7	32.2	<0.05	0.25	0.5	0.015	0.39	19.6

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CERTIFICATE OF ANALYSIS VA10116100

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Cu- OG62 Cu % 0.001
G285195		71	0.5	20.4	3930	18.2	
G285196		31	0.2	31.7	4520	10.1	
G285197		132	0.4	34.9	1520	32.8	
G285198		257	1.5	9.8	347	28.2	
G285199		814	0.5	25.2	417	23.8	
G284992		71	4.1	19.7	8570	3.6	5.90
G284993		165	17.1	7.9	616	3.8	

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2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU- CENTRAL

Finalized Date: 3- SEP- 2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10116100

Method	CERTIFICATE COMMENTS
ME- MS61	REE's may not be totally soluble in this method.

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 9- SEP- 2010
Account: RCM

CERTIFICATE VA10117908

Project: RAU (CHEETAH)

P.O. No.: Batch 3

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 23- AUG- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- 31	Fine crushing - 70% < 2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
Ag- OG62	Ore Grade Ag - Four Acid	VARIABLE
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Pb- OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn- OG62	Ore Grade Zn - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 9- SEP- 2010
Account: RCM

Project: RAU (CHEETAH)

CERTIFICATE OF ANALYSIS VA10117908

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
J980572		5.12	0.01	0.39	0.34	16	150	0.23	0.52	18.25	0.62	5.20	0.9	5	0.22	2.5
J980573		4.10	0.01	0.64	0.20	19	130	0.21	0.52	21.8	1.93	4.15	1.4	3	0.13	2.5
J980574		5.72	0.01	0.07	0.05	<5	40	0.13	0.34	20.3	0.26	1.52	0.7	2	0.05	1.2
J980575		5.30	<0.01	0.04	0.03	7	20	0.11	0.18	15.10	0.08	1.11	0.5	3	0.05	2.7
J980576		5.38	<0.01	0.02	0.74	1.1	30	0.12	0.02	0.62	<0.02	18.90	0.5	10	0.47	5.2
J980577		5.62	<0.01	0.08	0.03	7	10	0.12	0.34	20.1	0.06	0.90	0.5	1	<0.05	1.4
J980578		5.02	0.01	0.08	0.03	<5	20	0.11	0.33	18.35	0.03	1.21	0.5	1	<0.05	1.4
J980579		1.96	<0.01	0.07	0.03	<5	20	0.13	0.30	17.75	0.03	1.32	0.5	1	<0.05	1.2
J980580		2.52	0.10	0.49	2.10	40	450	0.45	2.56	16.55	0.20	11.25	5.7	18	0.61	10.5
J980581		2.16	1.03	1.72	11.30	226	>10000	5.62	21.6	0.23	0.17	18.45	25.1	506	2.96	38.2
J980582		2.42	0.28	2.58	0.62	43	460	0.30	1.20	21.6	0.23	9.54	5.0	9	0.22	6.8
J980583		2.26	0.53	3.33	8.83	142.5	5750	2.15	2.13	3.13	0.90	66.8	47.2	358	3.19	62.5
J980584		1.32	0.08	1.54	0.43	13	260	0.14	0.02	19.95	0.08	9.75	5.9	11	0.11	7.6
J980585		3.06	0.67	2.70	9.59	166.5	7200	2.53	1.40	1.53	0.68	34.0	39.3	402	2.82	70.1
J980586		4.16	<0.01	0.01	0.10	<5	30	0.06	0.02	20.8	0.05	1.74	1.0	3	0.20	1.9
J980587		3.32	0.21	5.32	0.46	23	330	0.33	1.86	23.2	0.35	9.51	8.3	6	0.19	5.3
J980588		3.60	0.09	1.30	0.20	27	130	0.21	3.16	22.1	0.12	5.02	7.7	3	0.07	4.9
J980589		0.28	0.40	6.85	4.97	0.5	70	0.89	1.06	1.27	0.02	20.2	7.1	31	20.2	12.8
J980590		1.56	0.65	5.95	0.26	2090	330	0.17	304	1.85	2.14	419	29.8	10	0.25	13.7
J980591		4.56	0.04	0.97	0.24	118	310	0.22	4.41	17.70	0.28	3.85	2.4	7	0.11	3.4
J980592		4.80	0.08	2.69	0.25	103	190	0.25	3.67	22.3	0.47	4.77	2.3	6	0.10	2.7
J980593		3.14	0.06	3.31	0.40	22	350	0.34	1.13	13.20	0.55	3.29	1.6	13	0.15	4.9
J980594		4.10	<0.01	0.01	0.09	8	20	0.08	0.05	20.5	0.07	1.46	1.1	2	0.17	1.9
J980595		3.94	0.05	2.08	0.53	59	450	0.44	1.94	19.50	0.74	5.57	2.2	13	0.20	4.0
J980596		0.90	0.14	2.12	4.35	232	510	0.53	9.89	12.60	3.48	20.2	9.0	44	0.69	15.2
J980597		5.04	0.14	3.70	1.28	76	1200	0.91	6.80	21.9	2.18	5.60	5.7	32	0.57	9.9
J980598		5.04	0.05	1.62	0.09	52	140	0.18	0.73	25.4	3.07	2.67	1.4	4	0.09	1.7
J980599		4.64	0.06	1.86	0.16	270	110	0.22	4.10	21.2	5.74	3.24	1.4	5	0.14	3.0
J980600		4.62	0.12	3.37	0.51	460	280	0.36	3.04	24.2	14.45	6.18	1.5	8	0.27	4.5
J980601		4.78	0.10	>100	0.72	288	350	0.34	11.00	25.5	9.94	15.15	6.7	25	0.79	527
J980602		0.14	0.48	>100	4.33	9200	190	1.32	0.21	1.96	264	35.2	15.6	43	7.98	1035
J980603		0.86	2.54	13.60	1.24	798	810	0.61	59.7	3.30	10.15	131.0	2.5	42	0.96	14.9
J980604		4.80	0.03	1.78	0.04	14	60	0.14	0.40	22.6	1.88	1.76	1.2	<1	0.11	2.1
J980605		5.48	0.03	0.89	0.06	19	70	0.18	0.70	20.6	0.61	1.86	0.8	4	0.07	2.3
J980606		4.46	0.02	1.63	0.06	21	150	0.15	0.29	21.7	1.30	1.89	0.7	3	0.15	1.5
J980607		5.44	0.06	3.18	0.88	201	440	0.49	9.67	18.60	4.98	15.50	3.8	18	1.29	13.3

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Finalized Date: 9- SEP- 2010
Account: RCM

Project: RAU (CHEETAH)

CERTIFICATE OF ANALYSIS VA10117908

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
J980572		0.35	1.17	<0.05	0.1	0.029	0.15	2.5	3.0	10.25	314	0.81	0.03	1.0	2.8	1310
J980573		0.35	0.73	<0.05	0.1	0.019	0.08	2.2	3.8	12.15	801	0.41	0.02	0.5	2.9	500
J980574		0.26	0.19	<0.05	<0.1	0.012	0.01	0.9	2.3	11.80	408	0.15	0.02	0.1	0.4	20
J980575		0.21	0.16	<0.05	<0.1	0.005	0.01	0.7	1.6	9.15	257	0.38	0.01	0.1	0.3	20
J980576		0.52	2.10	<0.05	0.2	<0.005	0.34	8.7	3.1	0.34	41	0.21	0.01	1.0	1.8	30
J980577		0.22	0.10	<0.05	<0.1	<0.005	<0.01	0.6	2.6	11.90	256	0.40	0.01	0.1	0.2	20
J980578		0.25	0.14	<0.05	<0.1	0.005	0.01	0.7	2.3	10.85	270	0.19	0.01	0.1	0.3	10
J980579		0.24	0.14	<0.05	<0.1	<0.005	0.01	0.8	2.1	10.50	267	0.17	0.01	0.1	<0.2	10
J980580		2.38	4.76	<0.05	0.2	0.030	0.45	5.3	6.6	7.96	632	0.72	0.48	1.3	18.4	350
J980581		4.40	44.7	0.14	2.8	0.029	4.80	7.8	53.7	1.17	116	1.67	0.14	18.0	82.2	580
J980582		1.83	1.72	<0.05	0.3	0.012	0.29	4.9	2.4	4.66	604	0.84	0.02	1.4	32.1	840
J980583		6.45	24.8	0.13	1.6	0.072	4.67	30.7	24.3	1.15	605	1.47	0.16	14.6	196.5	1350
J980584		1.51	0.94	<0.05	0.2	0.011	0.20	5.2	2.4	10.00	872	0.20	0.02	0.7	34.7	1000
J980585		7.65	30.8	0.23	1.2	0.037	5.11	17.1	30.8	0.98	347	1.87	0.09	10.9	148.5	1070
J980586		0.44	0.28	<0.05	<0.1	0.005	0.04	0.8	1.4	12.45	178	0.07	0.01	0.2	0.6	230
J980587		1.61	1.68	<0.05	0.2	0.017	0.20	4.8	2.7	7.20	836	0.90	0.02	1.0	44.1	1250
J980588		1.67	0.91	<0.05	0.1	0.011	0.06	2.7	2.3	9.88	700	0.91	0.02	0.4	39.2	620
J980589		2.03	15.25	0.08	1.3	0.019	3.46	10.4	8.1	0.59	278	8.93	1.25	2.1	8.2	440
J980590		18.05	1.59	0.22	<0.1	0.050	0.09	253	1.2	0.14	1910	2.92	0.02	0.2	127.5	890
J980591		1.29	1.09	<0.05	0.1	0.011	0.10	2.1	2.8	7.58	608	0.32	0.02	0.4	11.6	120
J980592		1.22	1.17	<0.05	0.1	0.008	0.10	2.5	3.4	9.49	405	0.35	0.02	0.6	8.0	200
J980593		0.55	1.54	<0.05	0.2	0.005	0.18	1.6	3.0	5.27	227	0.19	0.02	0.9	7.7	140
J980594		0.48	0.19	<0.05	<0.1	<0.005	0.03	0.7	1.4	12.30	193	0.14	0.01	0.3	0.8	190
J980595		0.82	2.05	<0.05	0.3	0.006	0.23	2.8	4.0	7.34	380	0.31	0.03	1.5	9.3	220
J980596		5.08	10.65	0.06	0.8	0.076	0.57	9.8	8.0	1.22	1960	0.90	1.25	2.9	31.9	900
J980597		1.44	3.85	<0.05	0.5	0.014	0.58	3.0	6.7	7.48	449	2.06	0.04	1.5	26.5	470
J980598		0.68	0.30	<0.05	<0.1	0.009	0.03	1.6	2.3	8.93	632	0.40	0.01	0.2	3.8	90
J980599		1.85	0.56	<0.05	0.1	0.007	0.06	2.2	3.1	10.75	419	1.06	0.01	0.6	6.2	190
J980600		1.85	2.10	<0.05	0.3	0.020	0.16	3.5	4.2	7.77	434	1.90	0.03	1.4	9.5	330
J980601		2.43	2.51	0.07	0.3	0.078	0.32	9.4	4.6	5.16	869	1110	0.01	>500	105.5	370
J980602		11.60	14.25	0.27	1.0	0.678	2.49	16.2	37.6	0.32	2030	10.10	0.04	6.1	28.8	380
J980603		5.65	6.67	0.13	0.6	0.044	0.50	94.1	4.5	0.40	478	3.41	0.02	1.4	19.6	580
J980604		0.18	0.35	0.17	<0.1	0.030	0.02	1.2	2.5	12.80	413	0.53	<0.01	0.5	2.2	50
J980605		0.22	0.18	<0.05	<0.1	0.033	0.02	1.2	2.5	12.15	351	1.20	0.01	0.7	2.0	40
J980606		0.26	0.22	<0.05	<0.1	0.183	0.02	1.2	2.7	11.70	884	0.72	0.01	0.5	2.3	60
J980607		3.24	2.51	<0.05	0.3	0.223	0.36	9.7	6.2	9.15	1440	1.65	0.02	4.5	28.9	420

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Project: RAU (CHEETAH)

CERTIFICATE OF ANALYSIS VA10117908

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
J980572		27.2	5.9	<0.002	<0.01	0.60	0.7	2	0.6	58.4	0.06	<0.05	0.5	0.021	0.07	10.4
J980573		131.5	3.3	<0.002	0.01	2.53	0.6	2	0.4	61.6	<0.05	<0.05	0.3	0.012	0.08	5.8
J980574		15.5	0.5	<0.002	0.01	0.26	0.2	2	<0.2	59.2	<0.05	<0.05	<0.2	<0.005	<0.02	2.4
J980575		4.1	0.4	<0.002	0.01	0.64	0.1	2	<0.2	51.7	<0.05	<0.05	<0.2	<0.005	0.02	1.9
J980576		1.9	11.2	<0.002	<0.01	0.21	0.9	2	0.2	10.3	0.05	<0.05	3.0	0.049	0.07	0.5
J980577		3.8	0.2	<0.002	0.01	0.27	0.1	2	<0.2	56.4	<0.05	<0.05	<0.2	<0.005	0.02	0.9
J980578		2.7	0.4	<0.002	0.01	0.21	0.1	2	<0.2	56.7	<0.05	<0.05	<0.2	<0.005	0.03	1.7
J980579		2.6	0.5	<0.002	0.01	0.21	0.2	2	<0.2	56.2	<0.05	<0.05	<0.2	<0.005	0.02	1.7
J980580		14.0	14.8	<0.002	0.02	0.95	5.5	2	0.7	101.0	0.08	<0.05	0.7	0.091	0.22	1.6
J980581		26.2	127.5	<0.002	0.01	3.16	34.3	2	8.1	7.2	0.88	0.06	3.2	0.613	3.30	2.6
J980582		11.7	9.2	<0.002	<0.01	1.14	1.9	2	0.4	39.5	0.10	<0.05	0.9	0.035	0.26	3.8
J980583		78.6	107.0	<0.002	0.02	5.68	29.6	2	3.8	13.2	0.82	<0.05	3.9	0.510	2.05	5.0
J980584		3.6	4.7	<0.002	0.01	0.95	2.0	2	0.2	61.9	<0.05	<0.05	0.3	0.024	0.14	5.0
J980585		38.5	99.7	<0.002	0.11	5.99	31.5	2	3.6	14.6	0.53	<0.05	3.3	0.407	2.25	3.7
J980586		1.5	1.7	<0.002	<0.01	<0.05	0.3	2	<0.2	48.7	<0.05	<0.05	<0.2	0.005	<0.02	0.6
J980587		15.7	7.6	<0.002	<0.01	1.06	2.1	2	0.6	48.2	0.06	<0.05	0.7	0.023	0.24	5.2
J980588		7.4	2.3	<0.002	<0.01	0.84	1.2	2	0.3	55.5	<0.05	<0.05	0.3	0.008	0.06	3.6
J980589		12.7	790	<0.002	0.01	0.71	6.0	2	1.0	60.2	0.22	<0.05	1.1	0.256	6.00	0.7
J980590		26.5	4.0	<0.002	0.02	14.40	2.1	2	0.3	4.9	<0.05	0.16	2.6	0.005	1.04	5.9
J980591		9.6	4.3	<0.002	0.01	0.86	0.9	2	0.3	59.7	<0.05	<0.05	<0.2	0.009	0.11	1.1
J980592		14.0	4.4	<0.002	0.01	0.88	1.0	2	0.3	64.5	<0.05	<0.05	0.2	0.013	0.11	3.7
J980593		7.5	7.0	<0.002	0.01	0.63	1.2	2	0.5	36.1	0.05	<0.05	0.3	0.024	0.10	1.8
J980594		1.6	1.5	<0.002	0.02	0.06	0.3	1	<0.2	45.4	<0.05	<0.05	<0.2	0.005	<0.02	0.5
J980595		21.4	9.1	<0.002	<0.01	0.67	1.7	2	0.7	60.6	0.08	<0.05	0.5	0.034	0.15	2.2
J980596		83.3	16.7	<0.002	0.01	2.14	10.2	1	1.7	160.0	0.20	<0.05	1.5	0.220	0.27	0.9
J980597		84.4	22.7	<0.002	0.01	1.50	2.8	2	1.5	48.6	0.08	<0.05	0.7	0.050	0.35	2.9
J980598		90.3	1.3	<0.002	<0.01	0.76	0.6	2	<0.2	50.4	<0.05	<0.05	<0.2	<0.005	0.14	2.3
J980599		224	2.7	<0.002	0.01	3.70	0.6	2	0.2	64.5	<0.05	<0.05	0.2	0.014	0.09	3.1
J980600		333	7.3	<0.002	<0.01	3.83	1.8	2	0.9	55.7	0.08	<0.05	0.7	0.033	0.16	1.8
J980601		360	12.4	0.005	<0.01	5.21	2.0	2	1.4	33.2	0.21	0.23	0.8	0.063	0.34	2.2
J980602		>10000	209	0.020	>10.0	236	9.1	43	21.8	129.5	0.45	0.07	5.1	0.236	4.54	4.9
J980603		321	25.9	<0.002	0.01	9.97	2.6	1	2.0	8.4	0.05	0.20	2.0	0.035	0.44	2.3
J980604		14.5	0.8	<0.002	0.01	0.26	0.3	1	<0.2	78.9	<0.05	<0.05	<0.2	<0.005	0.04	4.0
J980605		21.6	0.8	<0.002	<0.01	0.52	0.2	1	0.7	85.7	<0.05	<0.05	<0.2	0.005	0.03	2.0
J980606		36.5	1.1	<0.002	<0.01	0.79	0.2	2	0.3	80.4	<0.05	<0.05	<0.2	0.006	0.04	2.8
J980607		378	15.9	<0.002	<0.01	5.22	2.2	3	1.9	66.0	0.27	0.06	0.9	0.104	0.43	3.0

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 9- SEP- 2010
Account: RCM

Project: RAU (CHEETAH)

CERTIFICATE OF ANALYSIS VA10117908

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Ag- OG62 Ag ppm 1	Pb- OG62 Pb % 0.001	Zn- OG62 Zn % 0.001
J980572		22	1.1	1.9	152	6.1			
J980573		18	1.3	1.7	490	4.6			
J980574		11	0.2	0.6	76	0.6			
J980575		11	0.3	0.5	23	0.7			
J980576		7	0.1	1.9	<2	7.7			
J980577		1	0.4	0.4	23	0.6			
J980578		8	0.3	0.6	23	0.6			
J980579		8	0.3	0.6	16	0.7			
J980580		49	2.3	5.5	63	8.7			
J980581		331	24.6	5.5	56	123.5			
J980582		28	2.6	5.2	50	10.8			
J980583		262	10.5	12.6	394	65.1			
J980584		13	0.5	5.0	20	5.9			
J980585		256	10.9	7.3	195	57.3			
J980586		2	0.1	0.9	15	0.6			
J980587		23	3.4	6.0	53	8.0			
J980588		12	2.6	2.5	38	5.3			
J980589		54	0.3	10.1	25	48.4			
J980590		13	100.0	9.7	606	1.7			
J980591		13	3.6	1.8	117	3.7			
J980592		22	4.6	2.0	134	5.9			
J980593		16	2.7	1.5	82	7.4			
J980594		2	0.1	0.8	16	<0.5			
J980595		21	4.0	2.2	123	11.1			
J980596		85	31.6	13.4	531	28.0			
J980597		42	14.9	2.4	313	16.3			
J980598		14	2.6	1.4	355	1.5			
J980599		20	4.9	1.8	871	3.5			
J980600		24	10.6	2.7	1200	10.8			
J980601		23	96.3	4.2	1090	17.1	1135		
J980602		78	5.6	8.6	>10000	34.7	720	1.910	2.75
J980603		47	46.7	3.3	2120	19.8			
J980604		11	1.1	0.7	105	0.7			
J980605		11	1.6	0.5	84	1.0			
J980606		16	0.7	0.7	134	1.3			
J980607		57	6.6	5.3	1410	13.2			

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 9- SEP- 2010
Account: RCM

Project: RAU (CHEETAH)

CERTIFICATE OF ANALYSIS VA10117908

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	Interference: Mo> 400ppm on ICP- MS Cd,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 28- AUG- 2010
Account: RCM

CERTIFICATE VA10117909

Project: RAU (CHEETAH)

P.O. No.: BATCH 4

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 23- AUG- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- 31	Fine crushing - 70% < 2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
As- OG62	Ore Grade As - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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VANCOUVER BC V6B 1L8

Finalized Date: 28- AUG- 2010
Account: RCM

Project: RAU (CHEETAH)

CERTIFICATE OF ANALYSIS VA10117909

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
J980608		5.44	0.02	0.40	0.13	15	300	0.13	0.35	20.4	2.47	3.19	1.1	5	0.13	2.6
J980609		5.30	0.03	1.48	0.13	46	400	0.16	2.05	20.5	1.89	4.13	1.2	4	0.20	3.6
J980610		4.98	0.02	1.24	0.06	22	150	0.08	1.01	22.1	0.69	2.42	1.2	3	0.11	3.1
J980611		5.40	<0.01	0.25	0.07	<5	70	0.08	0.04	20.1	0.09	1.48	1.3	3	0.06	1.9
J980612		5.40	0.01	0.06	0.13	<5	200	<0.05	0.03	19.65	0.05	3.62	1.2	7	0.06	1.7
J980613		5.48	0.02	0.15	0.09	<5	140	0.06	0.02	20.6	0.07	2.77	1.1	6	<0.05	1.6
J980614		2.44	0.01	0.16	0.11	<5	160	0.11	0.01	21.7	0.07	3.35	1.1	3	0.06	1.9
J980615		5.20	0.01	0.14	0.10	<5	110	0.13	0.04	21.4	0.04	3.42	1.3	5	0.07	2.1
J980616		5.66	0.01	0.14	0.04	<5	40	0.11	0.01	21.9	0.07	1.44	1.0	<1	<0.05	2.0
J980617		3.60	0.02	0.23	0.05	<5	30	0.11	0.18	21.4	0.09	1.07	1.4	<1	0.07	2.4
J980618		0.92	0.13	14.95	2.71	490	1120	1.17	43.3	8.65	7.77	60.7	16.4	67	3.75	65.4
J980619		4.54	0.01	0.02	0.12	<5	20	0.08	0.06	20.7	0.07	1.33	1.5	4	0.18	5.6
J980620		3.98	0.03	0.22	0.09	12	170	0.15	0.12	21.2	0.07	2.46	2.5	6	0.06	4.1
J980621		4.62	0.01	0.43	0.26	16	130	0.20	1.30	19.95	0.51	3.64	1.8	10	0.22	4.7
J980622		3.38	0.06	11.10	1.01	916	1090	0.35	27.5	13.90	11.80	44.9	7.5	30	1.20	59.8
J980623		4.66	0.01	0.87	0.18	32	270	0.10	0.69	21.7	3.59	2.80	1.5	5	0.13	3.3
J980624		4.96	0.03	1.04	0.35	46	310	0.21	1.87	22.4	3.06	4.78	2.2	9	0.34	5.2
J980625		4.88	0.02	1.03	0.64	77	260	0.22	5.78	21.1	2.91	10.70	4.1	12	0.77	13.0
J980626		4.30	0.10	2.36	1.11	94	900	0.33	6.75	22.2	3.39	16.75	8.1	27	0.66	15.2
J980627		4.74	0.11	3.64	1.84	117	1890	0.48	6.89	22.4	5.16	23.6	12.5	50	0.90	24.8
J980628		4.24	0.03	1.59	0.27	48	380	0.13	1.81	22.9	4.49	4.83	4.6	8	0.24	6.6
J980629		5.04	0.02	1.84	0.45	48	460	0.20	3.11	23.0	9.83	6.58	5.2	10	0.42	7.4
J980630		4.20	0.05	5.50	2.51	348	1750	0.74	22.5	19.80	28.7	35.8	17.2	40	2.86	40.6
J980631		4.32	0.68	13.50	2.35	1260	1180	0.60	43.2	15.10	16.15	137.0	10.1	39	2.73	44.0
J980632		4.26	<0.01	0.04	0.07	7	20	<0.05	0.15	21.6	0.10	1.46	1.5	3	0.14	3.3
J980633		2.44	1.93	7.71	0.76	1745	290	0.31	164.5	4.51	8.14	36.5	3.5	24	1.05	18.0
J980634		3.92	0.46	9.31	2.74	1470	940	0.96	78.2	11.55	11.00	63.6	14.8	56	3.12	56.0
J980635		4.32	0.23	10.90	2.63	2230	1070	0.83	53.9	12.50	15.25	69.0	14.0	47	3.05	58.0
J980636		3.48	0.94	31.8	2.51	6810	1350	0.68	149.5	0.51	25.6	189.5	11.5	70	3.34	84.5
J980637		0.28	1.38	0.65	4.97	80.8	90	1.42	1.47	1.03	0.12	13.65	24.9	162	26.6	472
J980638		3.96	0.79	36.0	0.75	>10000	440	0.21	162.0	0.43	22.0	169.5	3.1	47	0.77	314
J980639		4.14	0.50	32.7	0.47	>10000	790	0.19	159.5	0.47	23.5	207	3.3	10	0.26	148.5
J980640		1.48	1.56	19.70	0.66	>10000	280	0.24	21.3	0.48	29.3	21.9	15.4	28	0.33	81.4
J980641		0.28	0.40	7.03	5.24	8.9	70	1.27	1.15	1.36	0.05	19.55	9.0	31	21.1	14.4
J980642		3.54	<0.01	0.33	0.13	47	80	0.09	0.54	21.6	0.15	2.06	0.9	2	0.09	1.4
J980643		5.30	0.03	0.51	0.14	163	100	0.14	1.14	21.9	0.27	4.78	1.3	3	0.12	2.6

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 28- AUG- 2010
Account: RCM

Project: RAU (CHEETAH)

CERTIFICATE OF ANALYSIS VA10117909

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
J980608		0.40	0.59	0.11	0.1	0.082	0.05	1.7	3.0	10.85	1130	0.54	<0.01	0.7	3.1	200
J980609		1.09	1.22	0.09	0.1	0.574	0.04	2.4	2.8	11.05	3020	1.68	<0.01	0.8	4.3	130
J980610		0.41	0.67	0.08	<0.1	0.113	0.02	1.4	1.6	10.65	873	0.92	0.01	0.3	7.7	110
J980611		0.11	0.38	0.18	<0.1	0.009	0.03	0.8	2.0	11.85	180	1.66	0.01	0.3	6.0	50
J980612		0.18	0.56	0.23	0.1	<0.005	0.05	1.8	3.0	11.35	176	0.42	0.01	0.6	6.0	290
J980613		0.19	0.47	0.19	0.1	<0.005	0.03	1.4	2.3	11.75	136	0.33	0.01	0.5	6.7	180
J980614		0.20	0.39	0.11	<0.1	<0.005	0.04	1.7	3.8	12.45	149	0.44	<0.01	0.7	3.6	210
J980615		0.12	0.39	0.18	<0.1	<0.005	0.03	1.8	3.4	12.65	154	0.55	<0.01	0.6	4.5	150
J980616		0.08	0.23	0.20	<0.1	<0.005	0.01	0.8	2.0	12.75	125	0.28	<0.01	0.4	3.5	50
J980617		0.26	0.27	0.21	<0.1	0.005	0.01	0.6	1.4	12.60	105	0.72	<0.01	0.4	4.3	40
J980618		8.89	9.27	0.21	0.8	0.611	1.11	37.6	14.5	3.36	3410	6.05	0.02	12.8	93.1	1290
J980619		0.45	0.48	0.13	<0.1	0.005	0.05	0.6	0.9	12.85	208	0.07	0.01	0.3	4.5	210
J980620		0.54	0.54	0.16	0.1	<0.005	0.04	1.3	1.7	12.05	131	4.00	0.01	0.5	13.3	110
J980621		0.33	0.96	0.19	0.1	0.040	0.12	2.1	3.4	11.45	443	0.57	0.01	1.6	9.4	110
J980622		8.01	4.74	0.18	0.4	1.600	0.42	31.5	6.1	4.93	8660	3.64	0.02	5.0	36.0	730
J980623		0.56	0.93	0.06	0.1	0.066	0.08	1.7	3.8	11.15	1580	0.75	0.01	0.9	8.8	140
J980624		0.78	1.39	0.10	0.2	0.069	0.16	3.0	3.4	11.35	1370	0.94	0.01	1.7	10.8	180
J980625		1.12	2.09	0.08	0.4	0.096	0.28	6.4	6.0	11.05	778	0.98	0.01	3.4	18.7	540
J980626		1.81	3.09	0.10	0.7	0.120	0.50	10.5	5.3	9.19	1260	1.20	0.02	4.7	28.9	800
J980627		2.62	4.25	0.10	1.2	0.189	0.84	13.1	6.3	7.75	1220	1.53	0.03	6.4	43.2	1900
J980628		0.79	1.02	0.09	0.2	0.100	0.11	2.8	3.7	10.90	1220	0.93	0.02	1.3	19.0	230
J980629		0.85	1.50	0.07	0.3	0.094	0.19	3.8	5.1	11.05	1160	0.68	0.02	2.3	19.6	250
J980630		5.50	7.64	0.16	0.9	0.683	1.09	21.2	12.1	6.15	3700	2.33	0.03	10.5	68.0	1220
J980631		12.05	11.75	0.31	0.8	1.065	0.89	88.9	8.9	0.93	5220	3.32	0.05	10.0	51.8	3140
J980632		0.49	0.33	0.10	<0.1	0.006	0.03	0.7	1.0	12.80	217	0.12	0.01	0.4	6.1	240
J980633		9.51	3.98	0.20	0.3	0.123	0.30	25.9	4.3	2.17	505	4.04	0.02	2.5	17.4	730
J980634		10.45	9.10	0.23	0.9	0.611	1.14	37.6	13.3	5.62	3100	3.79	0.03	10.7	65.0	1460
J980635		13.10	9.43	0.29	0.9	0.813	1.09	42.6	11.4	5.73	4170	6.43	0.03	10.0	63.2	1380
J980636		34.4	9.75	0.74	0.6	1.880	1.02	125.5	9.6	0.58	5330	11.20	0.03	4.5	59.7	2220
J980637		2.05	14.90	0.09	1.6	0.039	3.68	7.6	8.5	0.38	315	5.48	1.22	2.6	470	470
J980638		>50	5.65	1.33	0.2	6.32	0.23	119.0	1.4	0.25	1550	15.00	0.01	2.3	19.8	2040
J980639		>50	6.36	1.29	0.2	5.79	0.08	143.5	0.8	0.21	6720	10.55	0.01	1.4	20.1	2070
J980640		42.9	13.70	0.65	0.4	1.270	0.08	13.9	1.8	0.31	1900	9.62	0.04	1.2	63.3	1850
J980641		2.18	16.75	0.10	1.6	0.022	3.57	10.5	11.2	0.63	312	11.15	1.31	2.6	8.5	470
J980642		0.26	0.56	0.05	0.1	0.019	0.06	1.3	3.3	12.65	288	0.41	0.01	0.5	3.8	40
J980643		0.41	0.67	0.08	0.1	0.018	0.07	2.9	3.1	12.00	284	0.77	0.01	0.6	7.6	90

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Finalized Date: 28- AUG- 2010
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Project: RAU (CHEETAH)

CERTIFICATE OF ANALYSIS VA10117909

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
J980608		75.9	2.3	<0.002	<0.01	1.62	0.4	2	0.5	56.9	<0.05	<0.05	0.3	0.010	0.07	3.6
J980609		86.5	2.4	<0.002	<0.01	1.03	0.5	2	1.6	63.7	<0.05	<0.05	0.3	0.013	0.09	3.4
J980610		30.8	0.6	<0.002	<0.01	0.42	0.3	3	1.6	59.1	<0.05	<0.05	<0.2	<0.005	0.17	4.9
J980611		6.1	0.9	<0.002	0.01	0.20	0.3	2	0.3	58.8	<0.05	<0.05	<0.2	0.006	0.03	5.8
J980612		2.7	1.3	<0.002	<0.01	0.14	0.5	3	0.6	56.9	<0.05	<0.05	0.3	0.011	0.06	5.0
J980613		2.1	0.9	<0.002	0.01	0.11	0.4	3	<0.2	59.7	<0.05	<0.05	0.2	0.008	0.04	4.0
J980614		2.4	1.4	<0.002	0.01	0.13	0.5	2	<0.2	65.9	<0.05	<0.05	0.2	0.009	0.06	4.5
J980615		2.5	1.4	<0.002	0.01	0.13	0.5	2	<0.2	61.4	<0.05	<0.05	0.2	0.009	0.05	4.5
J980616		3.2	0.5	<0.002	0.01	0.14	0.2	2	<0.2	63.2	<0.05	<0.05	<0.2	<0.005	0.03	4.3
J980617		8.6	0.8	<0.002	0.01	0.34	0.2	2	0.9	57.4	<0.05	<0.05	<0.2	<0.005	0.04	3.0
J980618		1335	44.3	<0.002	0.01	15.70	7.8	3	5.7	27.3	0.71	0.10	2.7	0.262	1.44	4.2
J980619		2.6	2.1	<0.002	0.01	<0.05	0.5	2	<0.2	46.7	<0.05	<0.05	0.4	<0.005	<0.02	0.8
J980620		7.6	1.2	<0.002	0.01	0.45	0.5	3	<0.2	65.0	<0.05	<0.05	0.2	0.009	0.15	3.6
J980621		42.5	3.9	<0.002	0.01	0.89	0.9	2	0.8	78.0	0.08	<0.05	0.3	0.026	0.13	2.8
J980622		1460	14.2	<0.002	0.01	14.80	3.1	2	10.9	44.9	0.28	0.12	1.1	0.105	0.65	3.3
J980623		153.5	2.9	<0.002	<0.01	0.67	0.6	3	0.8	99.5	<0.05	<0.05	0.2	0.017	0.09	2.8
J980624		131.0	5.6	<0.002	<0.01	1.15	1.1	3	1.3	99.1	0.10	<0.05	0.3	0.037	0.12	2.6
J980625		191.5	9.7	<0.002	<0.01	2.98	1.9	3	2.7	60.6	0.18	<0.05	0.6	0.067	0.23	3.8
J980626		269	16.5	<0.002	0.01	4.49	3.6	3	3.6	60.2	0.26	<0.05	0.9	0.114	0.37	5.9
J980627		291	27.0	<0.002	0.01	8.04	6.4	3	4.8	50.7	0.36	<0.05	1.5	0.165	0.56	11.1
J980628		235	4.0	<0.002	<0.01	1.68	1.3	3	1.1	64.9	0.07	<0.05	0.3	0.028	0.22	2.6
J980629		299	6.8	<0.002	0.01	1.75	1.5	3	1.3	67.9	0.11	<0.05	0.5	0.047	0.30	2.1
J980630		1270	39.5	0.002	0.01	10.35	6.1	3	5.1	58.1	0.59	0.07	2.2	0.225	0.95	3.4
J980631		610	34.6	0.003	0.01	16.50	5.6	3	16.2	20.2	0.52	0.20	2.2	0.202	0.68	3.9
J980632		4.3	1.2	<0.002	0.02	0.08	0.3	3	<0.2	48.6	<0.05	<0.05	<0.2	<0.005	<0.02	0.4
J980633		461	12.0	0.002	0.02	22.9	1.8	4	3.7	19.6	0.13	0.51	0.9	0.058	0.28	2.3
J980634		1155	40.8	<0.002	0.02	21.3	6.5	3	6.1	41.9	0.61	0.13	2.7	0.236	0.98	5.2
J980635		1160	37.1	<0.002	0.02	25.0	5.9	4	9.0	40.1	0.60	0.20	2.5	0.218	0.95	4.9
J980636		1455	40.4	0.002	0.03	47.0	5.8	5	10.1	11.2	0.21	0.95	2.3	0.092	0.91	4.6
J980637		177.5	960	<0.002	0.31	2.33	3.2	2	3.3	51.2	1.98	0.15	1.9	0.083	7.94	0.7
J980638		2740	9.0	0.002	0.03	83.9	2.9	7	32.1	6.0	0.07	1.77	0.8	0.035	0.29	4.3
J980639		3490	3.1	0.002	0.06	53.6	1.7	4	12.3	6.5	<0.05	0.92	0.7	0.016	0.46	5.2
J980640		2320	3.1	0.002	0.04	33.5	1.7	4	7.6	8.9	<0.05	0.58	1.0	0.017	0.54	3.5
J980641		14.6	790	<0.002	0.01	0.70	7.3	2	1.2	60.4	0.27	<0.05	1.2	0.254	6.42	0.6
J980642		11.2	2.2	<0.002	<0.01	0.27	0.4	2	0.3	70.5	<0.05	<0.05	<0.2	0.008	0.03	0.9
J980643		7.2	2.5	<0.002	<0.01	0.54	0.4	3	0.3	67.0	<0.05	<0.05	0.3	0.009	0.08	3.3

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 28- AUG- 2010
Account: RCM

Project: RAU (CHEETAH)

CERTIFICATE OF ANALYSIS VA10117909

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	As- OG62 As % 0.001
J980608		26	1.0	1.7	195	3.1	
J980609		30	1.1	2.2	262	4.6	
J980610		41	0.6	1.6	152	1.2	
J980611		30	0.1	0.8	24	1.6	
J980612		59	0.1	1.9	11	3.0	
J980613		43	0.1	1.4	16	2.3	
J980614		49	0.1	1.9	17	3.2	
J980615		47	0.1	1.8	7	3.1	
J980616		29	0.1	0.8	19	1.2	
J980617		9	0.2	0.5	20	1.1	
J980618		129	55.0	15.4	3520	36.4	
J980619		3	0.1	0.8	23	0.5	
J980620		37	0.4	1.2	16	2.9	
J980621		40	1.4	1.9	101	5.2	
J980622		54	13.6	8.0	1980	16.9	
J980623		29	1.7	1.3	342	4.0	
J980624		22	2.3	2.2	355	7.5	
J980625		35	4.1	4.2	397	11.6	
J980626		58	6.5	6.9	522	25.6	
J980627		86	6.7	10.1	855	46.5	
J980628		30	2.2	2.7	444	6.1	
J980629		25	2.5	2.8	522	9.8	
J980630		94	18.4	13.9	2250	34.8	
J980631		80	128.0	19.6	2190	33.1	
J980632		2	0.4	0.9	27	0.6	
J980633		33	162.5	5.4	1400	10.4	
J980634		96	34.3	15.4	2850	32.9	
J980635		103	46.8	14.1	3100	29.1	
J980636		95	70.2	18.3	3270	23.6	
J980637		22	9.0	3.7	145	64.3	
J980638		43	46.3	13.4	5410	8.7	1.095
J980639		39	26.3	12.3	6800	6.6	1.160
J980640		71	96.1	10.6	4560	13.1	1.135
J980641		54	0.5	11.4	37	53.9	
J980642		9	0.9	0.8	60	2.2	
J980643		25	2.1	1.3	56	3.2	

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 28- AUG- 2010
Account: RCM

Project: RAU (CHEETAH)

CERTIFICATE OF ANALYSIS VA10117909

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 9- SEP- 2010
Account: RCM

CERTIFICATE VA10119665

Project: RAU (WEST)

P.O. No.:

This report is for 261 Soil samples submitted to our lab in Vancouver, BC, Canada on 26- AUG- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
PUL- 31	Pulverize split to 85% < 75 um
LOG- 21	Sample logging - ClientBarCode
PUL- QC	Pulverizing QC Test
SCR- 43	Screen to - 500um, discard plus
SCR- 01	Screen - Save plus fraction

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 9- SEP- 2010
Account: RCM

Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10119665

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC33936		0.26	0.001	0.4	1.32	11	<10	260	0.5	<2	5.59	0.6	11	31	48	2.83
CC33937		0.22	0.002	<0.2	1.15	15	<10	240	<0.5	<2	5.28	0.8	10	33	32	2.55
CC33938		0.20	0.003	<0.2	1.28	14	<10	230	0.5	<2	5.20	0.6	9	24	35	2.58
CC33939		0.24	0.001	0.4	1.14	12	<10	190	0.5	<2	6.9	0.6	8	25	32	2.52
CC33940		0.30	0.002	0.3	1.57	14	<10	240	0.6	<2	7.3	0.7	11	26	44	2.97
CC33941		0.30	0.002	0.2	1.60	12	<10	290	0.6	<2	7.3	0.7	10	29	44	2.97
CC33942		0.22	0.003	0.2	1.62	11	<10	160	0.6	<2	4.12	<0.5	10	28	38	3.25
CC33943		0.24	0.001	0.2	1.62	14	<10	260	0.7	<2	5.26	<0.5	10	29	36	2.96
CC33944		0.34	0.029	0.5	0.97	15	<10	290	<0.5	<2	8.0	0.6	8	20	39	2.46
CC33945		0.28	0.002	<0.2	1.18	16	<10	320	0.5	<2	8.5	0.7	8	20	33	2.44
CC33946		0.32	<0.001	<0.2	0.79	12	<10	160	<0.5	<2	8.3	<0.5	7	16	19	1.97
CC33947		0.36	0.002	<0.2	0.78	9	<10	170	<0.5	<2	9.0	0.5	6	18	21	1.71
CC33948		0.34	0.002	0.3	1.68	19	<10	330	0.7	<2	7.25	0.7	10	29	45	3.12
CC33949		0.18	0.002	<0.2	1.40	15	<10	150	0.7	<2	3.88	<0.5	8	25	38	3.00
CC33950		0.28	0.001	<0.2	2.12	12	<10	270	0.9	<2	0.62	<0.5	12	38	31	3.73
CC44191		0.30	0.001	<0.2	0.78	8	<10	160	<0.5	<2	8.7	<0.5	6	16	23	2.01
CC44192		0.36	0.002	0.3	1.22	14	<10	240	0.6	<2	5.28	0.7	10	22	35	2.81
CC44193		0.28	0.002	<0.2	1.52	18	<10	290	0.7	<2	6.74	0.8	11	26	44	3.03
CC44194		0.28	0.001	<0.2	1.28	16	<10	270	0.6	<2	7.3	0.8	10	23	42	2.82
CC44195		0.30	0.003	0.2	1.45	15	<10	330	0.7	<2	5.51	1.1	12	26	48	3.09
CC44196		0.24	0.002	<0.2	1.17	10	<10	340	0.6	<2	8.7	0.7	10	22	39	2.67
CC44197		0.22	0.003	0.4	1.64	14	<10	290	0.7	<2	4.88	0.8	13	28	55	3.41
CC44198		0.26	0.003	0.2	1.66	15	<10	280	0.7	<2	4.30	0.7	13	30	52	3.47
CC44199		0.24	0.002	<0.2	1.16	18	<10	290	<0.5	<2	5.02	0.9	12	37	37	2.77
CC44200		0.18	0.004	<0.2	1.09	24	<10	170	<0.5	<2	6.02	<0.5	16	21	43	3.12
CC44202		0.14	0.002	<0.2	1.07	16	<10	190	0.5	<2	4.78	0.7	9	19	40	2.53
CC44203		0.24	0.015	0.2	1.24	19	<10	310	0.6	<2	3.97	0.9	12	21	34	3.13
CC44204		0.28	0.003	0.2	1.09	31	<10	250	0.5	<2	4.67	0.9	10	19	33	2.71
CC44205		0.28	0.002	0.2	1.27	16	<10	240	0.6	<2	3.88	0.7	10	21	36	2.90
CC44206		0.20	0.003	<0.2	1.57	17	<10	260	0.7	<2	2.07	0.6	13	25	40	3.44
CC44207		0.28	0.002	0.3	1.17	23	<10	210	0.5	<2	5.75	0.7	9	20	31	2.80
CC44208		0.30	0.002	0.2	0.94	13	<10	200	0.5	<2	5.54	0.8	9	18	28	2.42
CC44209		0.38	0.002	<0.2	1.00	13	<10	250	0.5	<2	8.9	0.7	9	17	31	2.25
CC44210		0.22	0.002	<0.2	0.91	12	<10	150	<0.5	<2	8.7	0.5	7	16	29	2.19
CC44211		0.28	0.001	<0.2	1.07	13	<10	140	<0.5	2	5.15	<0.5	9	18	25	2.61
CC44212		0.22	0.001	<0.2	0.67	6	<10	110	<0.5	<2	8.8	0.5	8	14	23	1.50
CC44213		0.26	0.002	0.2	1.16	15	<10	190	0.5	<2	7.8	0.5	9	19	35	2.55
CC44214		0.30	0.003	0.2	1.16	13	<10	220	0.5	<2	7.1	0.5	10	27	43	2.56
CC44215		0.32	0.001	0.2	1.23	13	<10	270	0.6	<2	5.30	0.7	10	22	37	2.72
CC44216		0.24	0.002	0.2	1.17	11	<10	230	0.5	<2	2.19	0.7	10	22	33	2.48

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 9- SEP- 2010
Account: RCM

Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10119665

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC33936		<10	<1	0.18	10	3.07	888	1	0.02	36	810	29	0.03	<2	4	58
CC33937		<10	<1	0.16	10	3.20	528	2	0.02	38	820	25	0.04	<2	3	50
CC33938		<10	<1	0.21	10	3.10	575	1	0.02	26	780	30	0.04	<2	4	45
CC33939		<10	<1	0.17	10	3.51	685	1	0.02	26	660	24	0.02	<2	3	68
CC33940		10	1	0.26	10	3.24	820	1	0.02	31	700	35	0.01	<2	5	81
CC33941		<10	<1	0.29	20	3.31	798	1	0.02	32	810	35	0.01	<2	4	80
CC33942		10	<1	0.23	20	2.85	906	1	0.02	30	580	34	0.02	<2	5	33
CC33943		<10	<1	0.23	10	2.46	699	1	0.02	29	540	33	0.02	<2	4	61
CC33944		<10	<1	0.11	10	3.63	738	1	0.01	26	640	30	0.03	<2	3	86
CC33945		10	1	0.25	10	3.80	743	1	0.02	24	670	31	0.02	<2	3	95
CC33946		<10	<1	0.13	10	4.33	761	<1	0.02	17	640	18	0.10	<2	2	77
CC33947		<10	1	0.10	10	4.34	467	1	0.02	19	630	19	0.37	<2	2	96
CC33948		<10	1	0.31	20	3.16	811	1	0.02	32	740	34	0.02	<2	5	88
CC33949		10	1	0.13	20	2.48	536	<1	0.01	28	720	29	0.03	<2	5	30
CC33950		10	1	0.14	20	0.84	755	1	0.01	32	240	36	0.01	<2	6	16
CC44191		<10	<1	0.10	10	4.46	597	<1	0.01	18	630	22	0.01	<2	3	74
CC44192		<10	1	0.14	10	3.02	880	1	0.01	29	740	33	0.02	<2	4	47
CC44193		<10	<1	0.23	10	3.00	855	1	0.01	34	680	39	0.01	<2	4	74
CC44194		10	<1	0.15	10	3.27	806	1	0.01	29	700	33	0.01	<2	4	79
CC44195		<10	<1	0.19	10	2.42	876	1	0.02	36	780	40	0.03	<2	4	70
CC44196		10	<1	0.15	10	3.50	757	1	0.02	29	690	32	0.02	<2	4	99
CC44197		<10	1	0.20	10	2.45	946	2	0.01	36	740	40	0.03	<2	4	59
CC44198		10	1	0.19	10	2.40	1005	1	0.01	38	760	40	0.03	<2	5	48
CC44199		<10	<1	0.12	10	3.12	605	2	0.01	36	1110	26	0.05	<2	4	59
CC44200		<10	1	0.12	10	2.80	754	1	0.01	50	1170	35	0.05	<2	3	59
CC44202		<10	<1	0.13	10	2.85	767	<1	0.02	35	760	27	0.01	<2	3	36
CC44203		<10	<1	0.14	10	2.31	1155	<1	0.02	31	790	32	0.01	<2	3	34
CC44204		<10	<1	0.10	10	2.81	1130	<1	0.01	29	760	32	0.01	<2	3	34
CC44205		<10	<1	0.13	10	2.24	663	<1	0.01	29	740	31	0.01	<2	3	36
CC44206		<10	<1	0.14	10	1.57	932	<1	0.01	36	640	39	<0.01	<2	4	25
CC44207		<10	<1	0.13	10	3.08	753	<1	0.01	26	700	27	<0.01	<2	3	51
CC44208		<10	<1	0.10	10	3.35	1010	<1	0.01	25	730	25	<0.01	<2	3	40
CC44209		<10	<1	0.15	10	3.58	1265	<1	0.01	26	620	23	<0.01	<2	3	93
CC44210		<10	<1	0.10	10	3.86	628	<1	0.02	22	680	21	<0.01	<2	3	85
CC44211		<10	<1	0.10	10	2.81	624	<1	0.01	23	570	25	<0.01	<2	3	46
CC44212		<10	<1	0.09	10	3.80	576	<1	0.01	20	560	16	<0.01	<2	2	83
CC44213		<10	<1	0.13	10	3.63	703	<1	0.02	26	670	26	<0.01	<2	3	79
CC44214		<10	<1	0.12	10	3.26	699	<1	0.01	30	670	26	<0.01	<2	3	76
CC44215		<10	<1	0.14	10	2.81	693	<1	0.01	30	760	25	<0.01	<2	3	52
CC44216		<10	<1	0.10	10	0.99	615	<1	0.01	28	830	28	0.03	<2	3	31

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 9- SEP- 2010
Account: RCM

Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10119665

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC33936		<20	0.04	<10	<10	46	<10	143
CC33937		<20	0.04	<10	<10	47	<10	166
CC33938		<20	0.03	<10	<10	43	<10	143
CC33939		<20	0.03	<10	<10	41	<10	112
CC33940		<20	0.03	<10	<10	49	<10	139
CC33941		<20	0.03	<10	<10	50	<10	150
CC33942		<20	0.04	<10	<10	56	<10	131
CC33943		<20	0.03	<10	<10	50	<10	126
CC33944		<20	0.03	<10	<10	35	<10	130
CC33945		<20	0.03	<10	<10	43	<10	135
CC33946		<20	0.02	<10	<10	30	<10	84
CC33947		<20	0.02	<10	<10	30	<10	90
CC33948		<20	0.04	<10	<10	55	<10	154
CC33949		<20	0.02	<10	<10	45	<10	97
CC33950		<20	0.05	<10	<10	71	<10	104
CC44191		<20	0.02	<10	<10	29	<10	97
CC44192		<20	0.02	<10	<10	41	<10	133
CC44193		<20	0.03	<10	<10	48	<10	157
CC44194		<20	0.03	<10	<10	43	<10	147
CC44195		<20	0.03	<10	<10	48	<10	173
CC44196		<20	0.03	<10	<10	39	<10	137
CC44197		<20	0.03	<10	<10	52	<10	167
CC44198		<20	0.03	<10	<10	53	<10	172
CC44199		<20	0.09	<10	<10	50	<10	134
CC44200		<20	0.02	<10	<10	35	<10	117
CC44202		<20	0.02	<10	<10	36	<10	149
CC44203		<20	0.01	<10	<10	42	<10	144
CC44204		<20	0.01	<10	<10	36	<10	137
CC44205		<20	0.01	<10	<10	41	<10	143
CC44206		<20	0.02	<10	<10	50	<10	157
CC44207		<20	0.02	<10	<10	39	<10	130
CC44208		<20	0.01	<10	<10	33	<10	124
CC44209		<20	0.02	<10	<10	34	<10	119
CC44210		<20	0.02	<10	<10	31	<10	105
CC44211		<20	0.02	<10	<10	38	<10	105
CC44212		<20	0.02	<10	<10	28	<10	98
CC44213		<20	0.02	<10	<10	38	<10	113
CC44214		<20	0.02	<10	<10	41	<10	122
CC44215		<20	0.02	<10	<10	43	<10	128
CC44216		<20	0.02	<10	<10	40	<10	178

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1016- 510 W HASTINGS ST
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Finalized Date: 9- SEP- 2010
Account: RCM

Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10119665

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC44217		0.24	0.002	0.3	1.47	16	<10	280	0.6	<2	6.02	0.7	11	23	41	2.95
CC44218		0.42	0.003	0.2	1.16	13	<10	220	0.5	<2	7.3	0.7	10	20	36	2.63
CC44219		0.32	0.001	0.2	1.18	15	<10	210	0.5	<2	7.6	0.7	10	20	37	2.66
CC44220		0.18	<0.001	<0.2	0.87	11	<10	130	<0.5	2	8.6	0.5	8	16	31	2.15
CC44221		0.30	0.002	0.2	1.10	11	<10	190	0.5	<2	9.0	0.6	8	18	31	2.41
CC44222		0.26	0.003	0.2	1.08	16	<10	230	0.5	<2	7.4	0.6	9	19	34	2.60
CC44223		0.34	0.001	<0.2	0.89	10	<10	170	<0.5	<2	9.5	0.6	7	16	25	2.06
CC44224		0.24	0.001	<0.2	0.76	9	<10	120	<0.5	2	9.8	0.5	7	14	26	1.99
CC44225		0.30	0.001	<0.2	1.18	11	<10	110	<0.5	<2	1.92	<0.5	8	19	19	2.70
CC44226		0.32	0.002	0.3	1.38	16	<10	280	0.6	<2	3.76	0.9	10	23	42	3.08
CC44227		0.26	0.002	0.2	1.44	18	<10	280	0.7	<2	3.90	0.9	10	25	42	3.15
CC44228		0.24	0.006	0.4	1.04	12	<10	190	0.5	<2	5.12	0.8	8	21	30	2.50
CC44229		0.18	0.001	0.3	1.29	14	<10	310	0.7	<2	2.63	0.6	10	22	38	2.96
CC44230		0.26	0.002	0.2	0.79	10	<10	130	<0.5	<2	9.4	0.5	6	14	27	2.00
CC44231		0.26	0.002	<0.2	1.40	17	<10	270	0.7	<2	4.29	0.6	10	23	38	3.06
CC44232		0.28	0.002	0.4	1.29	14	<10	250	0.6	<2	3.79	0.7	10	22	37	2.91
CC44233		0.34	0.002	0.3	1.42	13	<10	270	0.7	<2	5.48	0.6	11	24	43	3.05
CC44234		0.24	0.002	0.3	1.84	16	<10	360	0.8	<2	1.12	<0.5	12	31	45	3.68
CC44235		0.24	0.002	0.2	1.05	11	<10	180	0.5	<2	7.5	0.5	11	45	50	2.39
CC44236		0.22	0.003	0.3	1.61	14	<10	240	0.7	<2	4.62	0.8	12	28	49	3.31
CC44237		0.30	0.002	0.4	1.51	13	<10	330	0.7	<2	1.69	1.0	13	28	44	3.35
CC44238		0.26	0.003	0.3	1.52	13	<10	300	0.7	<2	1.82	0.5	12	27	50	3.29
CC44239		0.28	0.002	<0.2	1.11	11	<10	270	0.5	<2	8.8	0.6	9	19	37	2.47
CC44240		0.22	0.002	<0.2	0.98	13	<10	150	0.5	<2	7.9	0.6	8	18	37	2.36
CC44241		0.24	0.001	0.4	0.79	13	<10	220	<0.5	<2	7.4	0.6	7	15	27	1.97
CC44242		0.30	0.001	<0.2	0.75	7	<10	290	<0.5	<2	8.9	0.6	7	15	27	2.01
CC44243		0.24	0.004	0.2	0.70	9	<10	100	<0.5	<2	9.2	0.5	6	13	25	1.85
CC44244		0.30	0.002	<0.2	0.59	9	<10	130	<0.5	<2	9.2	<0.5	5	12	22	1.70
CC44245		0.28	0.003	<0.2	0.83	14	<10	430	<0.5	<2	10.0	0.7	7	16	29	2.14
CC44246		0.26	<0.001	<0.2	0.91	15	<10	230	0.5	<2	5.62	0.7	8	18	30	2.40
CC44250		0.18	0.003	0.2	1.18	12	<10	270	0.5	<2	4.17	0.8	8	21	35	2.95
CC44251		0.16	0.002	0.3	1.04	19	<10	210	0.5	<2	4.57	0.5	9	19	32	2.59
CC44252		0.26	0.002	0.2	1.25	8	<10	470	0.6	<2	4.25	0.8	10	23	39	2.89
CC44253		0.22	0.004	0.2	1.16	14	<10	350	0.5	<2	3.60	0.7	9	22	35	2.68
CC44254		0.28	0.002	0.2	0.95	12	<10	260	<0.5	<2	7.6	0.6	8	18	36	2.34
CC44255		0.30	0.002	<0.2	1.40	9	<10	250	0.5	<2	4.46	<0.5	10	22	38	3.23
CC44256		0.28	0.002	<0.2	1.07	13	<10	240	0.5	<2	5.59	0.5	9	19	31	2.62
CC44257		0.16	0.002	0.2	1.11	9	<10	460	0.5	<2	2.62	0.6	9	19	30	2.46
CC44258		0.30	0.003	0.3	1.22	11	<10	220	0.5	<2	4.96	0.5	9	20	38	2.81
CC44259		0.26	0.114	0.3	1.42	14	<10	290	0.6	<2	2.15	<0.5	11	24	36	3.17

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Finalized Date: 9- SEP- 2010
Account: RCM

Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10119665

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC44217		10	<1	0.19	10	2.81	816	<1	0.02	31	720	35	<0.01	<2	4	72
CC44218		<10	<1	0.14	10	3.20	760	<1	0.02	29	670	31	<0.01	<2	3	80
CC44219		<10	<1	0.16	10	3.42	874	<1	0.02	29	690	28	<0.01	<2	4	83
CC44220		<10	<1	0.11	10	3.93	621	<1	0.01	24	680	24	<0.01	<2	3	83
CC44221		<10	<1	0.16	10	3.83	656	<1	0.02	25	600	25	<0.01	<2	3	92
CC44222		<10	<1	0.12	10	3.54	767	<1	0.01	28	690	29	<0.01	<2	3	69
CC44223		<10	<1	0.12	10	4.12	613	<1	0.02	22	600	21	<0.01	<2	3	93
CC44224		<10	<1	0.09	10	4.15	557	<1	0.02	20	620	20	<0.01	<2	2	100
CC44225		<10	<1	0.08	10	1.30	427	<1	0.01	21	400	20	<0.01	<2	3	18
CC44226		<10	<1	0.14	10	2.30	903	<1	0.01	33	810	34	<0.01	<2	4	34
CC44227		<10	<1	0.16	10	2.45	809	1	0.01	32	810	32	0.03	<2	4	35
CC44228		<10	<1	0.11	10	3.05	692	1	0.01	26	740	27	0.02	<2	3	39
CC44229		<10	1	0.12	10	1.30	713	1	0.01	29	790	32	0.04	<2	3	31
CC44230		<10	1	0.09	10	4.05	581	1	0.01	20	640	23	0.02	<2	3	91
CC44231		<10	<1	0.14	10	2.57	879	1	0.01	29	700	35	0.02	<2	4	40
CC44232		<10	<1	0.14	10	2.41	932	1	0.01	30	790	33	0.02	<2	4	33
CC44233		<10	<1	0.17	10	2.75	862	1	0.01	32	760	41	0.02	<2	4	59
CC44234		10	<1	0.16	10	0.80	604	1	0.01	35	690	41	0.03	<2	5	26
CC44235		<10	<1	0.11	10	3.48	692	<1	0.01	31	690	27	0.02	<2	4	77
CC44236		10	<1	0.19	10	2.73	932	1	0.01	38	740	41	0.01	<2	5	50
CC44237		<10	<1	0.15	10	1.19	849	1	0.01	38	820	40	0.02	<2	4	27
CC44238		10	1	0.13	10	1.25	775	2	0.01	41	800	40	0.02	<2	4	30
CC44239		<10	<1	0.14	10	3.55	698	1	0.01	27	650	31	0.01	<2	4	96
CC44240		<10	1	0.10	10	3.51	630	1	0.01	28	630	28	0.02	<2	3	79
CC44241		<10	1	0.09	10	3.62	615	1	0.01	21	670	22	0.13	<2	3	74
CC44242		<10	<1	0.09	10	3.96	562	2	0.01	21	620	25	0.02	<2	3	94
CC44243		<10	<1	0.07	10	4.06	555	1	0.01	18	600	20	0.01	<2	2	94
CC44244		<10	<1	0.06	10	4.28	556	<1	0.01	19	590	18	0.01	<2	2	87
CC44245		<10	1	0.11	10	3.97	625	1	0.01	22	640	25	0.02	<2	3	110
CC44246		<10	<1	0.09	10	3.36	1000	<1	0.01	24	720	28	0.02	<2	3	41
CC44250		<10	<1	0.12	10	2.54	622	1	0.01	27	790	30	0.03	<2	4	36
CC44251		<10	<1	0.10	10	2.83	458	<1	0.01	25	750	29	0.02	<2	3	35
CC44252		<10	<1	0.13	10	2.04	1015	1	0.01	31	860	32	0.03	<2	3	46
CC44253		<10	1	0.11	10	2.00	749	1	0.01	27	820	30	0.03	<2	3	37
CC44254		<10	<1	0.10	10	3.61	622	1	0.01	27	670	26	0.01	<2	3	70
CC44255		<10	<1	0.14	10	2.55	825	<1	0.01	26	650	26	0.02	<2	4	46
CC44256		<10	1	0.10	10	2.78	767	1	0.01	24	640	29	0.02	<2	3	55
CC44257		<10	<1	0.08	10	0.68	922	<1	0.01	22	810	25	0.07	<2	2	38
CC44258		<10	<1	0.11	10	2.70	758	1	0.01	28	620	29	0.01	<2	4	46
CC44259		<10	<1	0.09	10	1.39	812	<1	0.01	28	680	29	0.02	<2	4	29

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CERTIFICATE OF ANALYSIS VA10119665

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC44217		<20	0.02	<10	<10	45	<10	152
CC44218		<20	0.02	<10	<10	38	<10	134
CC44219		<20	0.02	<10	<10	39	<10	131
CC44220		<20	0.01	<10	<10	31	<10	110
CC44221		<20	0.02	<10	<10	37	<10	121
CC44222		<20	0.02	<10	<10	38	<10	131
CC44223		<20	0.02	<10	<10	33	<10	106
CC44224		<20	0.02	<10	<10	29	<10	101
CC44225		<20	0.02	<10	<10	46	<10	102
CC44226		<20	0.01	<10	<10	45	<10	180
CC44227		<20	0.02	<10	<10	45	<10	177
CC44228		<20	0.02	<10	<10	36	<10	123
CC44229		<20	0.01	<10	<10	42	<10	141
CC44230		<20	0.02	<10	<10	28	<10	94
CC44231		<20	0.02	<10	<10	45	<10	139
CC44232		<20	0.02	<10	<10	43	<10	137
CC44233		<20	0.02	<10	<10	47	<10	151
CC44234		<20	0.02	<10	<10	58	<10	159
CC44235		<20	0.03	<10	<10	41	<10	115
CC44236		<20	0.03	<10	<10	52	<10	178
CC44237		<20	0.02	<10	<10	52	<10	159
CC44238		<20	0.03	<10	<10	51	<10	151
CC44239		<20	0.02	<10	<10	37	<10	132
CC44240		<20	0.02	<10	<10	33	<10	115
CC44241		<20	0.02	<10	<10	28	<10	115
CC44242		<20	0.02	<10	<10	28	<10	105
CC44243		<20	0.02	<10	<10	26	<10	95
CC44244		<20	0.02	<10	<10	23	<10	90
CC44245		<20	0.02	<10	<10	29	<10	117
CC44246		<20	0.02	<10	<10	34	<10	118
CC44250		<20	0.02	<10	<10	40	<10	142
CC44251		<20	0.02	<10	<10	37	<10	121
CC44252		<20	0.02	<10	<10	42	<10	151
CC44253		<20	0.02	<10	<10	40	<10	130
CC44254		<20	0.02	<10	<10	34	<10	112
CC44255		<20	0.03	<10	<10	42	<10	106
CC44256		<20	0.02	<10	<10	37	<10	110
CC44257		<20	0.01	<10	<10	34	<10	102
CC44258		<20	0.02	<10	<10	40	<10	114
CC44259		<20	0.02	<10	<10	45	<10	108

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 9- SEP- 2010
Account: RCM

Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10119665

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC44260		0.28	0.002	0.4	1.11	16	<10	240	0.5	<2	8.6	0.8	9	21	37	2.50
CC44261		0.38	0.001	0.3	0.86	9	<10	130	<0.5	<2	8.9	<0.5	6	16	20	1.82
CC44262		0.40	<0.001	0.3	0.75	14	<10	200	<0.5	<2	10.1	0.5	8	14	22	1.79
CC44263		0.24	<0.001	<0.2	0.74	11	<10	120	<0.5	<2	8.3	<0.5	6	14	17	1.76
CC44264		0.34	0.002	0.6	1.57	11	<10	430	0.6	<2	8.9	0.7	8	24	39	2.74
CC44265		0.28	0.001	0.2	1.04	14	<10	180	0.5	<2	6.90	<0.5	7	19	27	2.15
CC44266		0.22	0.002	<0.2	1.26	12	<10	320	0.6	<2	3.77	0.8	9	22	33	2.65
CC44267		0.26	0.003	0.2	1.66	15	<10	330	0.8	<2	2.95	0.7	13	28	46	3.44
CC44268		0.22	0.001	<0.2	0.69	11	<10	90	<0.5	<2	7.8	<0.5	6	13	25	1.87
CC44269		0.30	0.002	0.2	1.25	13	<10	300	0.6	<2	2.12	0.7	10	23	32	2.96
CC44270		0.32	0.002	<0.2	1.21	11	<10	340	0.5	<2	4.13	0.6	9	22	35	2.70
CC44271		0.24	0.001	<0.2	1.23	13	<10	310	0.5	<2	3.98	0.5	9	22	33	2.84
CC44272		0.30	0.001	0.2	1.09	14	<10	190	0.5	<2	7.8	0.5	9	18	35	2.48
CC44273		0.26	0.003	0.2	1.28	13	<10	290	0.6	<2	3.65	0.5	11	23	34	2.95
CC44274		0.32	0.002	0.2	1.01	13	<10	190	0.5	<2	9.0	0.6	8	17	35	2.49
CC44275		0.26	0.002	0.4	1.57	15	<10	330	0.7	<2	2.38	0.8	13	28	43	3.29
CC44276		0.30	0.002	0.3	1.22	14	<10	270	0.6	<2	7.9	0.6	9	20	39	2.68
CC44277		0.24	0.003	0.2	1.60	18	<10	330	0.7	<2	1.65	0.6	14	28	48	3.36
CC44278		0.28	0.002	0.2	1.07	12	<10	240	0.5	<2	8.3	0.7	10	18	35	2.45
CC44279		0.30	0.002	0.3	1.03	14	<10	190	0.5	<2	7.5	0.6	10	17	34	2.49
CC44280		0.20	0.003	0.2	1.27	11	<10	360	0.6	<2	2.17	0.7	11	22	31	2.70
CC44281		0.34	0.002	<0.2	1.04	13	<10	310	0.5	<2	7.6	0.7	10	18	31	2.54
CC44282		0.28	0.002	<0.2	0.84	10	<10	170	<0.5	<2	6.50	0.7	8	16	26	2.02
CC44283		0.28	0.002	<0.2	0.81	11	<10	270	<0.5	<2	7.9	0.8	7	15	26	1.88
CC44284		0.28	0.002	<0.2	0.97	15	<10	280	<0.5	<2	6.24	0.9	9	18	30	2.20
CC44285		0.24	0.003	0.4	1.13	16	<10	290	0.5	<2	3.57	1.0	11	21	37	2.76
CC44286		0.28	0.002	0.2	1.21	14	<10	280	0.5	<2	3.73	0.8	12	24	37	2.90
CC44287		0.30	0.003	0.2	1.35	17	<10	320	0.6	<2	3.81	0.9	12	25	42	2.99
CC44288		0.30	0.002	<0.2	1.21	15	<10	320	0.5	<2	2.40	0.8	13	26	43	3.17
CC44289		0.26	0.002	0.3	1.22	12	<10	310	0.5	<2	3.91	1.0	14	30	41	2.90
CC44290		0.26	0.003	0.2	1.61	11	<10	390	0.6	<2	1.80	1.0	18	45	61	3.62
CC44291		0.24	0.003	0.3	1.84	17	<10	410	0.6	<2	3.98	0.9	18	50	62	3.75
CC44292		0.12	0.002	<0.2	1.33	15	<10	270	0.5	<2	4.03	0.8	14	36	50	3.02
CC44293		0.20	0.003	0.2	2.11	9	<10	410	<0.5	<2	3.60	0.5	34	97	125	4.43
CC44294		0.28	0.001	<0.2	1.16	20	<10	370	<0.5	<2	5.43	1.2	14	41	41	2.83
CC44295		0.16	0.003	0.5	0.65	50	<10	810	<0.5	<2	1.56	1.3	14	21	54	3.13
CC44296		0.20	0.008	<0.2	1.18	36	<10	220	<0.5	<2	1.38	0.8	14	23	41	3.20
CC44297		0.34	0.005	0.2	1.36	48	<10	240	0.5	<2	1.93	0.9	16	27	57	3.71
CC44298		0.26	0.006	0.2	1.45	39	<10	230	0.5	<2	2.34	0.9	17	30	62	3.73
CC44299		0.34	0.008	<0.2	1.43	61	<10	270	0.5	<2	3.04	1.1	16	28	62	3.74

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VANCOUVER BC V6B 1L8

Finalized Date: 9- SEP- 2010
Account: RCM

Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10119665

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC44260		<10	1	0.13	10	3.70	713	1	0.01	25	650	37	0.02	<2	4	90
CC44261		<10	<1	0.16	10	4.11	444	1	0.01	17	590	17	0.56	<2	3	91
CC44262		<10	1	0.10	10	4.25	481	2	0.01	19	610	18	0.44	<2	2	108
CC44263		<10	<1	0.13	10	4.25	515	<1	0.01	16	630	15	0.06	<2	2	76
CC44264		10	1	0.35	10	3.74	734	1	0.02	28	710	30	0.04	<2	4	114
CC44265		<10	<1	0.17	10	3.74	446	1	0.02	22	670	20	0.02	<2	3	59
CC44266		10	<1	0.13	10	2.08	764	1	0.01	29	800	28	0.03	<2	4	40
CC44267		<10	<1	0.18	10	1.89	910	1	0.01	40	760	43	0.02	<2	4	37
CC44268		<10	1	0.07	10	4.39	578	<1	0.01	19	660	20	0.01	<2	2	58
CC44269		<10	1	0.11	10	1.35	725	1	0.01	27	830	33	0.03	<2	4	27
CC44270		<10	<1	0.11	10	2.24	735	<1	0.01	28	770	28	0.03	<2	3	42
CC44271		<10	<1	0.11	10	2.57	580	<1	0.01	24	640	30	0.02	<2	4	33
CC44272		<10	2	0.13	10	3.64	729	1	0.01	25	660	31	0.01	<2	3	81
CC44273		10	<1	0.12	10	2.35	758	<1	0.01	27	660	33	0.02	<2	4	34
CC44274		<10	1	0.13	10	3.94	738	1	0.01	23	650	23	0.01	<2	3	93
CC44275		<10	<1	0.16	20	1.71	975	1	0.01	34	820	36	0.02	<2	4	32
CC44276		10	<1	0.16	10	3.43	762	1	0.01	27	670	30	0.01	<2	4	88
CC44277		<10	<1	0.16	10	1.25	787	1	0.01	38	750	40	0.02	3	4	27
CC44278		<10	<1	0.13	10	3.39	672	1	0.01	23	610	27	<0.01	2	3	90
CC44279		<10	<1	0.10	10	3.31	673	1	0.01	22	620	29	0.01	<2	3	79
CC44280		<10	<1	0.10	10	0.76	877	1	0.01	24	900	26	0.05	2	3	37
CC44281		<10	<1	0.15	10	3.38	870	1	0.02	23	660	26	0.02	<2	3	76
CC44282		<10	<1	0.10	10	3.79	528	<1	0.01	19	660	24	0.11	<2	3	55
CC44283		<10	<1	0.11	10	3.89	557	1	0.02	16	690	25	0.04	<2	3	75
CC44284		<10	<1	0.12	10	3.45	704	1	0.02	22	720	29	0.04	2	3	52
CC44285		<10	<1	0.15	10	2.06	865	2	0.02	29	800	31	0.04	<2	3	37
CC44286		<10	<1	0.12	10	2.34	730	2	0.01	29	780	32	0.01	2	4	37
CC44287		<10	<1	0.19	10	2.08	797	2	0.02	31	760	30	0.03	2	4	45
CC44288		<10	<1	0.11	10	1.26	850	2	0.01	38	690	27	0.05	<2	3	41
CC44289		<10	1	0.18	10	1.93	548	2	0.02	42	700	22	0.03	<2	3	59
CC44290		<10	<1	0.13	10	1.17	1070	2	0.01	61	830	27	0.04	4	5	35
CC44291		<10	1	0.20	10	2.05	662	3	0.02	59	730	29	0.02	2	5	60
CC44292		<10	<1	0.16	10	2.17	520	2	0.02	44	830	26	0.05	<2	3	56
CC44293		10	1	0.25	10	2.28	630	2	0.03	122	920	20	0.04	<2	7	71
CC44294		<10	<1	0.10	10	2.99	751	4	0.01	46	940	24	0.04	<2	4	82
CC44295		<10	<1	0.11	10	0.47	511	6	0.01	57	610	30	0.09	4	2	39
CC44296		10	<1	0.10	20	0.80	570	2	0.01	36	840	42	0.04	6	3	36
CC44297		<10	<1	0.14	20	1.23	698	3	0.01	50	850	60	0.03	13	4	32
CC44298		<10	<1	0.14	20	1.75	698	3	0.01	51	900	36	0.01	6	4	36
CC44299		<10	<1	0.14	20	1.75	721	3	0.01	50	880	47	0.03	12	4	49

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Finalized Date: 9- SEP- 2010
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Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10119665

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC44260		<20	0.02	<10	<10	36	<10	147
CC44261		<20	0.02	<10	<10	31	<10	94
CC44262		<20	0.02	<10	<10	27	<10	93
CC44263		<20	0.02	<10	<10	27	<10	79
CC44264		<20	0.03	<10	<10	48	<10	144
CC44265		<20	0.03	<10	<10	38	<10	106
CC44266		<20	0.02	<10	<10	42	<10	138
CC44267		<20	0.02	<10	<10	52	<10	161
CC44268		<20	0.02	<10	<10	26	<10	86
CC44269		<20	0.02	<10	<10	44	<10	141
CC44270		<20	0.02	<10	<10	40	<10	123
CC44271		<20	0.03	<10	<10	42	<10	118
CC44272		<20	0.02	<10	<10	36	<10	117
CC44273		<20	0.02	<10	<10	43	<10	129
CC44274		<20	0.03	<10	<10	35	<10	117
CC44275		<20	0.03	<10	<10	53	<10	151
CC44276		<20	0.02	<10	<10	40	<10	128
CC44277		<20	0.02	<10	<10	54	<10	157
CC44278		<20	0.02	<10	<10	37	<10	118
CC44279		<20	0.02	<10	<10	36	<10	111
CC44280		<20	0.02	<10	<10	41	<10	90
CC44281		<20	0.02	<10	<10	37	<10	122
CC44282		<20	0.02	<10	<10	29	<10	113
CC44283		<20	0.02	<10	<10	29	<10	105
CC44284		<20	0.02	<10	<10	35	<10	127
CC44285		<20	0.02	<10	<10	39	<10	151
CC44286		<20	0.03	<10	<10	42	<10	141
CC44287		<20	0.03	<10	<10	45	<10	135
CC44288		<20	0.02	<10	<10	41	<10	134
CC44289		<20	0.04	<10	<10	44	<10	139
CC44290		<20	0.04	<10	<10	57	<10	173
CC44291		<20	0.05	<10	<10	69	<10	171
CC44292		<20	0.03	<10	<10	48	<10	151
CC44293		<20	0.13	<10	<10	77	<10	159
CC44294		<20	0.06	<10	<10	51	<10	140
CC44295		<20	0.01	<10	<10	24	<10	194
CC44296		<20	0.02	<10	<10	37	<10	147
CC44297		<20	0.03	<10	<10	45	<10	183
CC44298		<20	0.03	<10	<10	45	<10	165
CC44299		<20	0.02	<10	<10	46	<10	183

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CERTIFICATE OF ANALYSIS VA10119665

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC44300		0.14	0.023	0.2	0.95	103	<10	230	<0.5	<2	1.62	0.8	19	20	43	3.67
CC44301		0.26	0.005	0.2	1.33	54	<10	290	0.5	<2	1.49	0.8	15	26	57	3.55
CC44302		0.28	0.005	0.4	1.04	34	<10	300	<0.5	<2	1.68	6.8	14	22	59	3.22
CC44303		0.28	0.003	<0.2	1.11	17	<10	290	<0.5	<2	6.28	0.9	11	30	33	2.57
CC44304		0.28	0.002	<0.2	3.45	9	<10	910	<0.5	<2	2.17	0.7	30	118	112	5.92
CC44305		0.20	0.003	<0.2	2.73	9	<10	450	<0.5	<2	4.28	<0.5	24	91	79	4.91
CC44306		0.26	0.003	0.2	1.51	16	<10	320	0.6	<2	3.92	0.9	15	35	49	3.21
CC44307		0.28	0.003	0.2	1.45	16	<10	290	0.6	<2	3.49	0.5	14	35	42	3.10
CC44308		0.22	0.002	<0.2	1.17	13	<10	250	<0.5	<2	5.39	0.6	12	27	45	2.79
CC44309		0.36	0.003	0.2	1.29	12	<10	180	0.5	<2	4.61	0.7	12	24	44	3.01
CC44310		0.24	0.003	0.3	1.23	14	<10	320	0.5	<2	2.50	0.8	16	66	70	2.90
CC44311		0.20	0.003	0.2	1.00	14	<10	330	<0.5	<2	3.79	0.8	11	25	37	2.49
CC44312		0.12	0.004	0.2	1.12	10	<10	310	0.5	<2	2.33	1.1	13	22	36	2.79
CC44313		0.24	0.005	<0.2	1.03	14	<10	340	0.5	<2	6.15	0.9	8	21	39	2.40
CC44314		0.28	0.002	<0.2	0.74	15	<10	380	<0.5	<2	9.3	0.6	6	15	24	2.09
CC44315		0.24	0.003	<0.2	0.89	8	<10	180	<0.5	<2	7.5	0.9	8	18	26	1.93
CC44316		0.16	0.005	0.2	1.02	13	<10	210	0.5	<2	3.52	0.9	9	20	28	2.60
CC44317		0.28	0.003	0.2	1.49	16	<10	350	0.7	<2	3.43	0.9	12	27	41	3.12
CC44318		0.28	0.003	0.3	1.52	17	<10	280	0.7	<2	5.21	0.9	12	26	46	3.05
CC44319		0.26	0.004	0.2	1.46	16	<10	270	0.7	<2	5.43	0.5	11	26	40	2.89
CC44320		0.26	0.002	<0.2	0.79	10	<10	180	<0.5	<2	6.9	0.6	7	18	25	1.91
CC44321		0.22	0.004	<0.2	0.73	10	<10	170	<0.5	<2	8.2	0.7	10	17	20	1.64
CC44322		0.30	0.002	<0.2	0.74	16	<10	170	<0.5	<2	7.9	0.5	6	15	20	1.89
CC44323		0.26	0.004	<0.2	0.88	15	<10	200	<0.5	<2	7.5	0.7	9	17	22	2.14
CC44324		0.24	0.002	<0.2	1.30	11	<10	160	0.5	<2	0.93	<0.5	9	25	20	2.93
CC44325		0.22	0.003	<0.2	1.02	16	<10	150	0.5	<2	6.82	<0.5	8	20	29	2.23
CC44326		0.26	0.002	0.2	1.68	16	<10	400	0.7	2	2.49	1.0	12	30	46	3.11
CC44327		0.24	0.003	0.2	1.25	15	<10	250	0.5	<2	8.2	0.6	8	20	30	2.32
CC44328		0.36	0.002	0.2	0.96	12	<10	140	<0.5	<2	8.6	0.6	7	17	28	2.15
CC44329		0.28	0.004	<0.2	1.29	13	<10	240	0.5	<2	3.59	0.6	8	21	25	2.62
CC44330		0.24	0.002	0.2	1.28	13	<10	310	0.5	<2	8.2	0.6	8	20	30	2.49
CC44331		0.24	0.002	<0.2	0.92	13	<10	200	<0.5	<2	9.1	0.7	7	17	27	1.98
CC44332		0.34	0.004	<0.2	1.45	16	<10	270	0.7	<2	8.7	0.8	10	23	36	2.71
CC44333		0.30	0.002	<0.2	1.62	15	<10	280	0.7	<2	8.8	0.7	9	23	35	2.58
CC44334		0.22	0.003	0.2	1.59	15	<10	300	0.7	<2	3.02	<0.5	10	27	36	3.12
CC44335		0.28	0.003	<0.2	1.49	14	<10	280	0.6	<2	5.05	0.5	10	25	36	2.80
CC44336		0.22	0.003	<0.2	1.01	12	<10	210	0.5	<2	9.4	0.7	8	17	30	2.25
CC44337		0.32	0.002	0.3	1.29	14	<10	250	0.6	<2	7.5	0.7	10	21	51	2.70
CC44338		0.28	0.003	<0.2	0.91	14	<10	200	0.5	<2	8.4	0.6	8	17	31	2.07
CC44339		0.22	0.002	0.3	1.27	16	<10	300	0.6	<2	2.42	0.6	10	22	28	2.82

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
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Finalized Date: 9- SEP- 2010
Account: RCM

Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10119665

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC44300		<10	<1	0.08	10	0.58	891	6	0.02	52	730	58	0.06	10	3	38
CC44301		10	<1	0.15	20	0.86	667	3	0.02	51	930	46	0.03	11	4	30
CC44302		<10	1	0.11	10	0.79	571	3	0.01	52	860	166	0.05	7	3	37
CC44303		<10	<1	0.15	10	3.20	647	2	0.02	28	850	24	0.04	<2	3	82
CC44304		10	<1	0.23	10	3.34	650	4	0.01	85	660	12	0.04	<2	13	66
CC44305		10	<1	0.20	10	3.53	665	2	0.01	65	800	17	0.02	<2	11	75
CC44306		<10	<1	0.16	10	1.96	868	2	0.01	39	710	30	0.02	<2	4	56
CC44307		<10	<1	0.11	10	1.94	690	1	0.01	37	610	34	0.02	<2	3	43
CC44308		<10	<1	0.11	10	2.76	747	1	0.01	33	750	33	0.02	2	3	53
CC44309		10	<1	0.17	20	2.90	746	2	0.01	30	730	38	0.01	<2	4	41
CC44310		<10	<1	0.10	10	1.50	658	2	0.01	48	800	25	0.03	2	4	32
CC44311		<10	<1	0.10	10	1.86	707	2	0.01	30	760	26	0.04	<2	3	43
CC44312		<10	1	0.11	10	1.09	796	2	0.01	33	770	30	0.06	2	3	37
CC44313		<10	1	0.13	10	3.47	578	<1	0.02	32	820	39	0.04	<2	3	57
CC44314		<10	<1	0.09	10	4.46	521	<1	0.02	21	690	25	0.01	<2	3	90
CC44315		<10	<1	0.12	10	3.95	429	<1	0.03	23	730	26	0.12	<2	3	68
CC44316		<10	<1	0.10	10	2.03	630	<1	0.02	27	820	30	0.03	<2	3	32
CC44317		10	<1	0.16	10	2.08	870	<1	0.02	38	760	41	0.01	<2	4	38
CC44318		10	<1	0.17	10	2.80	907	<1	0.02	37	740	43	<0.01	<2	4	57
CC44319		<10	1	0.17	10	2.76	778	<1	0.02	36	640	34	<0.01	<2	4	62
CC44320		<10	<1	0.09	10	3.71	557	<1	0.02	22	670	21	0.04	<2	2	58
CC44321		<10	<1	0.13	10	3.64	615	<1	0.01	22	550	21	0.04	<2	2	75
CC44322		<10	<1	0.09	10	4.07	573	<1	0.03	19	660	19	0.02	<2	2	64
CC44323		<10	<1	0.13	10	4.08	860	<1	0.03	25	680	24	0.01	<2	3	61
CC44324		<10	<1	0.13	10	0.92	555	<1	0.02	27	550	22	<0.01	<2	3	16
CC44325		<10	<1	0.16	10	3.95	617	<1	0.02	26	770	19	0.01	<2	3	68
CC44326		<10	<1	0.21	10	1.47	835	<1	0.03	37	920	33	0.02	<2	4	35
CC44327		<10	<1	0.21	10	3.77	664	<1	0.03	25	670	26	0.01	<2	3	86
CC44328		<10	<1	0.14	10	4.11	661	<1	0.03	24	660	23	<0.01	<2	3	84
CC44329		10	<1	0.15	10	1.83	649	<1	0.03	23	740	27	0.02	<2	3	41
CC44330		<10	<1	0.20	10	3.81	756	<1	0.03	26	650	28	<0.01	<2	4	82
CC44331		<10	<1	0.17	10	4.05	628	<1	0.02	22	580	22	<0.01	<2	3	90
CC44332		10	<1	0.22	10	3.80	840	<1	0.02	32	700	33	<0.01	<2	4	95
CC44333		<10	<1	0.34	10	3.71	771	<1	0.04	30	660	30	<0.01	<2	4	99
CC44334		10	<1	0.19	10	1.96	826	<1	0.02	32	720	33	<0.01	<2	4	35
CC44335		<10	<1	0.17	10	2.83	853	<1	0.03	30	740	30	<0.01	<2	4	52
CC44336		<10	<1	0.13	10	4.00	681	<1	0.03	24	680	26	<0.01	<2	3	96
CC44337		<10	1	0.17	10	3.25	793	<1	0.03	42	720	31	<0.01	<2	4	83
CC44338		<10	<1	0.13	10	3.61	639	<1	0.02	25	580	24	<0.01	<2	3	84
CC44339		<10	<1	0.11	10	1.16	910	<1	0.02	29	810	30	0.03	<2	3	33

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Finalized Date: 9- SEP- 2010
Account: RCM

Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10119665

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC44300		<20	0.01	<10	<10	33	<10	168
CC44301		<20	0.02	<10	<10	43	<10	168
CC44302		<20	0.02	<10	<10	36	<10	864
CC44303		<20	0.06	<10	<10	44	<10	141
CC44304		<20	0.16	<10	<10	133	<10	201
CC44305		<20	0.15	<10	<10	104	<10	148
CC44306		<20	0.03	<10	<10	54	<10	146
CC44307		<20	0.03	<10	<10	48	<10	120
CC44308		<20	0.03	<10	<10	40	<10	139
CC44309		<20	0.03	<10	<10	44	<10	155
CC44310		<20	0.04	<10	<10	52	<10	131
CC44311		<20	0.02	<10	<10	38	<10	128
CC44312		<20	0.02	<10	<10	41	<10	151
CC44313		<20	0.02	<10	<10	36	<10	152
CC44314		<20	0.02	<10	<10	28	<10	107
CC44315		<20	0.02	<10	<10	33	<10	128
CC44316		<20	0.02	<10	<10	37	<10	127
CC44317		<20	0.02	<10	<10	49	<10	160
CC44318		<20	0.02	<10	<10	49	<10	174
CC44319		<20	0.02	<10	<10	50	<10	141
CC44320		<20	0.02	<10	<10	32	<10	102
CC44321		<20	0.02	<10	<10	32	<10	93
CC44322		<20	0.02	<10	<10	28	<10	92
CC44323		<20	0.03	<10	<10	34	<10	98
CC44324		<20	0.02	<10	<10	47	<10	102
CC44325		<20	0.02	<10	<10	38	<10	91
CC44326		<20	0.02	<10	<10	56	<10	155
CC44327		<20	0.02	<10	<10	40	<10	110
CC44328		<20	0.02	<10	<10	34	<10	102
CC44329		<20	0.02	<10	<10	41	<10	115
CC44330		<20	0.02	<10	<10	40	<10	115
CC44331		<20	0.02	<10	<10	35	<10	111
CC44332		<20	0.02	<10	<10	46	<10	141
CC44333		<20	0.02	<10	<10	50	<10	133
CC44334		<20	0.02	<10	<10	53	<10	122
CC44335		<20	0.02	<10	<10	49	<10	121
CC44336		<20	0.02	<10	<10	35	<10	117
CC44337		<20	0.02	<10	<10	43	<10	140
CC44338		<20	0.02	<10	<10	34	<10	119
CC44339		<20	0.01	<10	<10	42	<10	119

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CERTIFICATE OF ANALYSIS VA10119665

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC44340		0.22	0.002	<0.2	0.76	10	<10	190	<0.5	<2	8.9	0.6	6	14	20	2.05
CC44341		0.26	0.002	<0.2	0.99	13	<10	240	<0.5	<2	7.8	0.6	8	18	31	2.21
CC44342		0.32	0.002	<0.2	1.39	15	<10	290	0.6	<2	4.26	0.6	11	25	38	2.78
CC44343		0.24	0.002	<0.2	1.27	16	<10	200	0.6	<2	7.0	0.7	10	21	40	2.68
CC44344		0.26	0.003	0.2	1.23	15	<10	320	0.6	<2	5.44	0.6	10	22	35	2.72
CC44345		0.28	0.003	0.2	1.34	14	<10	270	0.6	<2	4.16	0.5	10	24	35	2.84
CC44346		0.32	0.003	<0.2	1.11	15	<10	230	0.5	<2	5.15	0.6	10	21	31	2.56
CC44347		0.20	0.004	0.2	1.20	14	<10	450	0.5	<2	4.60	0.8	10	22	33	2.71
CC44348		0.28	0.002	0.2	1.15	15	<10	310	0.5	<2	7.4	0.7	9	20	33	2.56
CC44349		0.28	0.007	<0.2	0.80	9	<10	140	<0.5	<2	8.4	0.6	9	16	35	2.04
CC44350		0.18	0.002	<0.2	1.03	13	<10	240	0.5	<2	5.51	0.9	10	18	33	2.39
CC44351		0.32	0.003	<0.2	1.08	8	<10	260	0.5	<2	6.9	0.7	10	19	31	2.48
CC44352		0.22	0.002	<0.2	0.69	15	<10	130	<0.5	<2	8.5	0.6	9	13	23	2.13
CC44353		0.24	0.002	<0.2	1.20	10	<10	270	0.5	<2	4.88	<0.5	9	20	25	2.60
CC44354		0.24	0.003	<0.2	0.68	4	<10	140	<0.5	<2	8.5	<0.5	6	13	17	1.44
CC44355		0.32	0.001	0.2	0.61	19	<10	90	<0.5	<2	9.8	0.5	8	11	16	1.64
CC44356		0.26	0.002	<0.2	0.54	12	<10	90	<0.5	<2	11.4	<0.5	8	10	13	1.74
CC44357		0.26	0.001	<0.2	0.80	14	<10	110	<0.5	<2	7.7	0.7	8	14	21	1.91
CC44358		0.20	0.002	<0.2	0.61	13	<10	110	<0.5	<2	11.4	0.5	7	12	14	1.62
CC44359		0.24	<0.001	<0.2	0.95	13	<10	180	<0.5	<2	7.2	0.7	9	17	28	2.52
CC44360		0.28	0.002	0.2	1.20	14	<10	310	0.5	<2	6.31	0.8	11	21	35	2.80
CC44361		0.28	0.001	0.2	1.27	11	<10	310	0.6	<2	7.7	0.9	11	21	40	2.83
CC44362		0.26	0.003	0.2	1.30	15	<10	340	0.6	<2	5.89	0.9	11	23	39	2.85
CC44363		0.22	0.002	<0.2	1.28	11	<10	270	0.6	<2	5.28	0.9	11	23	39	2.73
CC44364		0.24	0.003	<0.2	1.46	15	<10	320	0.6	<2	3.29	1.1	13	27	45	3.28
CC44365		0.26	0.002	0.2	1.50	15	<10	320	0.6	<2	7.1	0.9	12	24	46	3.09
CC44366		0.28	0.006	0.3	1.59	17	<10	390	0.7	<2	3.61	1.0	13	27	50	3.32
CC44367		0.24	0.002	0.2	1.37	18	<10	350	0.6	<2	3.24	1.0	13	25	45	3.12
CC44368		0.14	0.001	0.2	1.73	18	<10	390	0.8	<2	1.87	1.1	14	28	43	3.34
CC44369		0.18	0.003	0.5	1.38	11	<10	430	0.5	<2	3.63	1.7	18	41	57	3.44
CC44370		0.26	0.001	<0.2	1.31	22	<10	410	<0.5	<2	5.78	1.1	16	44	36	3.01
CC44371		0.22	0.004	<0.2	1.21	21	<10	310	<0.5	<2	1.74	1.7	18	54	75	3.33
CC44372		0.24	0.003	0.3	1.36	24	<10	380	0.5	<2	1.42	1.3	14	27	57	3.56
CC44373		0.26	0.002	0.5	1.02	12	<10	390	0.5	<2	3.25	7.6	12	24	69	2.68
CC44374		0.24	0.023	0.3	1.38	14	<10	250	0.5	<2	1.74	0.8	15	24	52	3.25
CC44375		0.28	0.004	0.2	1.49	14	<10	220	0.5	<2	1.02	0.6	15	25	49	3.53
CC44376		0.28	0.003	<0.2	1.65	16	<10	250	0.5	<2	1.64	0.7	16	32	61	3.89
CC44377		0.18	0.003	<0.2	1.31	6	<10	250	<0.5	<2	2.52	0.7	14	28	59	3.13
CC44378		0.22	0.004	0.2	1.54	10	<10	270	0.5	<2	1.80	0.7	14	30	51	3.43
CC44379		0.26	0.011	0.2	1.22	13	<10	240	0.5	<2	2.60	1.3	13	24	49	3.11

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CERTIFICATE OF ANALYSIS VA10119665

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC44340		<10	<1	0.08	10	4.00	782	<1	0.02	20	580	20	<0.01	<2	2	82
CC44341		<10	<1	0.11	10	3.54	654	<1	0.02	24	590	24	<0.01	<2	3	79
CC44342		<10	<1	0.14	10	2.65	798	<1	0.03	32	720	29	<0.01	<2	4	45
CC44343		<10	1	0.16	10	3.47	814	<1	0.02	31	690	32	<0.01	<2	4	73
CC44344		<10	<1	0.12	10	2.89	824	<1	0.03	29	700	30	<0.01	<2	4	56
CC44345		<10	<1	0.13	10	2.57	825	<1	0.03	29	720	29	0.01	<2	4	42
CC44346		<10	<1	0.11	10	2.87	683	<1	0.02	28	710	29	0.01	<2	3	47
CC44347		10	<1	0.12	10	2.50	988	<1	0.03	28	760	31	0.03	<2	3	53
CC44348		<10	<1	0.13	10	3.39	739	<1	0.02	29	710	30	<0.01	<2	3	75
CC44349		10	<1	0.10	10	3.84	578	1	0.02	26	630	23	0.01	<2	3	80
CC44350		<10	1	0.12	10	2.96	634	1	0.02	23	680	27	0.02	<2	3	49
CC44351		<10	<1	0.11	10	3.43	621	1	0.02	22	660	28	0.01	<2	3	63
CC44352		<10	<1	0.07	10	4.12	740	1	0.01	18	560	18	0.01	<2	2	75
CC44353		<10	1	0.09	10	2.61	642	1	0.02	21	540	24	0.01	<2	3	46
CC44354		<10	<1	0.08	10	4.07	396	<1	0.02	12	570	17	0.09	<2	2	80
CC44355		<10	<1	0.07	<10	4.11	430	1	0.02	13	550	15	0.93	<2	2	105
CC44356		<10	<1	0.07	<10	3.99	410	2	0.02	12	500	14	1.18	<2	2	122
CC44357		<10	1	0.09	10	3.97	552	1	0.02	16	650	21	0.05	2	3	69
CC44358		<10	1	0.08	10	4.01	592	1	0.02	12	520	15	0.09	2	2	124
CC44359		<10	1	0.12	10	3.40	623	1	0.02	18	660	26	0.13	<2	3	75
CC44360		<10	<1	0.15	10	3.31	725	1	0.02	24	720	31	0.02	2	4	63
CC44361		<10	<1	0.17	10	3.23	836	1	0.02	28	710	35	0.02	2	4	84
CC44362		<10	1	0.15	10	3.01	782	1	0.02	28	730	34	0.02	2	4	67
CC44363		<10	1	0.15	10	2.68	744	1	0.02	27	760	31	0.04	<2	4	56
CC44364		<10	<1	0.16	10	2.13	786	2	0.02	34	800	33	0.02	<2	4	36
CC44365		<10	1	0.21	10	2.91	822	2	0.02	31	680	37	0.01	2	5	84
CC44366		<10	1	0.17	10	1.96	861	2	0.01	37	740	36	0.02	<2	4	44
CC44367		<10	<1	0.16	10	2.01	797	2	0.01	34	800	31	0.02	4	4	39
CC44368		<10	<1	0.21	10	0.95	799	3	0.02	37	700	39	0.04	2	4	40
CC44369		<10	<1	0.14	10	1.56	626	5	0.02	70	900	25	0.06	3	4	80
CC44370		<10	<1	0.13	10	3.23	1150	2	0.02	44	1020	22	0.05	2	4	83
CC44371		<10	<1	0.10	20	1.00	861	3	0.01	57	970	39	0.05	5	3	32
CC44372		<10	<1	0.17	20	0.83	656	5	0.02	50	840	30	0.04	5	4	32
CC44373		<10	1	0.11	10	1.52	641	9	0.02	71	930	27	0.07	6	3	50
CC44374		<10	<1	0.15	20	0.86	672	2	0.02	37	930	23	0.06	<2	3	38
CC44375		<10	<1	0.11	20	0.82	707	2	0.01	35	800	25	0.03	<2	3	30
CC44376		10	<1	0.17	20	1.46	606	2	0.01	44	890	25	0.02	<2	4	30
CC44377		<10	1	0.11	20	1.14	735	2	0.01	39	930	20	0.07	<2	3	47
CC44378		<10	<1	0.17	20	1.15	897	2	0.02	39	880	25	0.04	3	3	34
CC44379		<10	<1	0.12	20	1.57	591	2	0.01	42	860	24	0.03	<2	3	36

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 9- SEP- 2010
Account: RCM

Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10119665

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC44340		<20	0.01	<10	<10	28	<10	90
CC44341		<20	0.02	<10	<10	36	<10	109
CC44342		<20	0.03	<10	<10	47	<10	133
CC44343		<20	0.03	<10	<10	44	<10	147
CC44344		<20	0.02	<10	<10	43	<10	130
CC44345		<20	0.03	<10	<10	47	<10	121
CC44346		<20	0.02	<10	<10	41	<10	121
CC44347		<20	0.02	<10	<10	41	<10	129
CC44348		<20	0.02	<10	<10	39	<10	133
CC44349		<20	0.03	<10	<10	32	<10	112
CC44350		<20	0.02	<10	<10	37	<10	128
CC44351		<20	0.02	<10	<10	38	<10	122
CC44352		<20	0.02	<10	<10	28	<10	94
CC44353		<20	0.02	<10	<10	42	<10	104
CC44354		<20	0.02	<10	<10	26	<10	88
CC44355		<20	0.02	<10	<10	24	<10	69
CC44356		<20	0.02	<10	<10	20	<10	61
CC44357		<20	0.02	<10	<10	30	<10	97
CC44358		<20	0.02	<10	<10	26	<10	64
CC44359		<20	0.02	<10	<10	33	<10	129
CC44360		<20	0.03	<10	<10	41	<10	138
CC44361		<20	0.03	<10	<10	44	<10	149
CC44362		<20	0.03	<10	<10	44	<10	145
CC44363		<20	0.02	<10	<10	44	<10	142
CC44364		<20	0.03	<10	<10	51	<10	165
CC44365		<20	0.03	<10	<10	49	<10	160
CC44366		<20	0.02	<10	<10	54	<10	161
CC44367		<20	0.02	<10	<10	49	<10	166
CC44368		<20	0.02	<10	<10	58	<10	182
CC44369		<20	0.03	<10	<10	55	<10	200
CC44370		<20	0.08	<10	<10	58	<10	131
CC44371		<20	0.03	<10	<10	49	<10	196
CC44372		<20	0.02	<10	<10	49	<10	196
CC44373		<20	0.02	<10	<10	55	<10	404
CC44374		<20	0.02	<10	<10	43	<10	124
CC44375		<20	0.03	<10	<10	45	<10	120
CC44376		<20	0.04	<10	<10	50	<10	145
CC44377		<20	0.02	<10	<10	40	<10	118
CC44378		<20	0.02	<10	<10	49	<10	139
CC44379		<20	0.02	<10	<10	43	<10	171

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 9- SEP- 2010
Account: RCM

Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10119665

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC44380		0.30	0.004	0.3	1.38	12	<10	280	0.5	<2	2.74	3.0	13	29	57	3.08
CC44381		0.20	0.002	0.2	1.22	10	<10	340	0.5	<2	5.75	0.9	12	37	41	2.64
CC44382		0.26	0.001	0.3	0.96	12	<10	220	<0.5	<2	6.11	1.4	10	19	36	2.58
CC44383		0.24	0.002	0.2	0.95	11	<10	220	<0.5	<2	7.4	1.2	10	18	33	2.34
CC44384		0.18	0.001	0.2	1.55	13	<10	310	0.6	<2	1.93	1.3	13	30	45	3.24
CC44385		0.30	0.003	0.3	1.61	15	<10	300	0.8	<2	3.20	0.9	13	32	57	3.11
CC44386		0.24	0.002	0.3	1.24	12	<10	340	0.6	<2	5.19	0.8	12	25	49	3.02
CC44387		0.26	0.002	0.3	1.32	11	<10	340	0.6	<2	6.19	0.8	11	24	43	2.86
CC44388		0.28	0.003	0.2	1.35	13	<10	270	0.6	<2	6.78	0.7	10	23	43	2.95
CC44389		0.26	0.004	0.2	1.23	11	<10	240	0.6	<2	5.65	0.8	11	22	37	2.88
CC44390		0.36	0.001	<0.2	0.80	9	<10	170	<0.5	<2	8.6	0.5	7	16	26	1.94
CC44391		0.24	0.001	0.2	0.85	11	<10	120	<0.5	<2	6.58	0.5	7	16	25	2.38
CC44392		0.26	0.002	0.2	0.56	6	<10	70	<0.5	<2	10.3	<0.5	6	11	16	1.85
CC44393		0.24	<0.001	<0.2	0.70	7	<10	90	<0.5	<2	9.2	<0.5	4	14	11	1.66
CC44394		0.22	0.001	<0.2	0.81	8	<10	110	<0.5	<2	8.6	<0.5	6	16	25	1.87
CC44395		0.32	0.002	<0.2	1.16	8	<10	250	0.5	<2	3.83	<0.5	10	20	36	2.79
CC44396		0.22	0.009	0.2	1.25	12	<10	250	0.6	<2	3.48	<0.5	10	23	35	2.89
CC44397		0.24	0.001	<0.2	0.91	10	<10	160	<0.5	<2	10.1	<0.5	8	16	33	2.28
CC44398		0.22	0.003	0.3	1.38	12	<10	280	0.6	<2	6.27	0.5	10	23	43	2.92
CC44399		0.26	0.002	0.2	1.44	13	<10	310	0.6	<2	4.28	<0.5	10	25	39	3.01
CC44400		0.26	0.001	0.3	0.95	10	<10	170	<0.5	2	8.3	0.5	8	17	35	2.39
CC44401		0.28	0.002	<0.2	0.98	8	<10	210	<0.5	<2	8.2	<0.5	8	17	33	2.42
CC44402		0.26	0.005	0.3	1.37	15	<10	320	0.7	<2	1.68	0.5	12	26	43	3.26
CC44403		0.28	0.002	0.3	1.36	11	<10	340	0.6	<2	1.91	0.6	11	24	36	3.03
CC44404		0.32	0.003	<0.2	1.15	10	<10	270	0.5	<2	4.14	0.6	10	21	33	2.73
CC44405		0.28	0.002	0.2	1.12	11	<10	240	0.5	<2	5.47	0.5	9	20	33	2.59
CC44406		0.32	0.001	0.3	0.89	8	<10	190	<0.5	<2	8.7	<0.5	6	16	28	2.12
CC44407		0.24	0.001	0.2	0.95	12	<10	190	<0.5	<2	4.11	0.7	9	19	26	2.54
CC44408		0.28	0.001	0.2	1.05	9	<10	210	0.5	<2	6.41	0.5	7	19	29	2.45
CC44409		0.28	0.001	<0.2	0.64	6	<10	70	<0.5	<2	8.5	<0.5	5	13	20	1.89
CC44410		0.26	0.003	0.2	0.81	9	<10	170	<0.5	<2	9.0	<0.5	7	15	26	2.01
CC44411		0.30	0.001	<0.2	0.65	10	<10	120	<0.5	<2	7.49	<0.5	6	13	17	1.99
CC44412		0.24	0.001	<0.2	0.89	6	<10	130	<0.5	<2	7.1	<0.5	7	17	25	2.07
CC44413		0.30	0.003	<0.2	1.21	12	<10	330	0.6	<2	4.72	<0.5	10	21	34	2.87
CC44414		0.18	0.001	0.2	1.33	10	<10	380	0.6	<2	3.20	0.5	10	23	36	2.94
CC44415		0.26	0.008	<0.2	1.29	12	<10	260	0.6	<2	4.76	<0.5	10	23	37	2.97
CC44416		0.28	0.002	<0.2	1.14	8	<10	130	<0.5	<2	7.9	<0.5	8	18	30	2.34
CC44417		0.26	0.004	0.3	1.09	9	<10	190	0.5	<2	7.29	<0.5	9	18	34	2.51
CC44418		0.30	0.001	<0.2	1.01	10	<10	210	<0.5	<2	9.4	<0.5	8	18	32	2.37
CC44419		0.24	0.001	<0.2	1.30	8	<10	160	0.5	<2	5.59	<0.5	10	21	35	2.98

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Finalized Date: 9- SEP- 2010
Account: RCM

Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10119665

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC44380		<10	1	0.12	20	2.01	566	5	0.01	69	980	30	0.02	<2	4	30
CC44381		10	<1	0.16	10	3.17	616	2	0.02	34	970	26	0.04	<2	4	76
CC44382		<10	<1	0.11	10	2.72	636	4	0.02	36	750	26	0.03	3	3	86
CC44383		<10	<1	0.11	10	3.30	622	2	0.02	28	680	24	0.01	<2	3	81
CC44384		<10	<1	0.20	10	1.13	821	3	0.02	40	840	34	0.03	<2	4	37
CC44385		10	<1	0.44	10	1.88	906	3	0.03	48	610	47	0.03	2	4	37
CC44386		<10	<1	0.15	10	2.64	725	1	0.02	43	800	32	0.03	<2	4	56
CC44387		<10	1	0.22	10	2.73	823	1	0.02	34	700	33	0.03	2	4	76
CC44388		<10	<1	0.20	10	2.98	818	<1	0.02	33	670	35	0.02	2	4	78
CC44389		<10	<1	0.19	10	3.04	1005	<1	0.02	32	710	32	0.03	2	4	58
CC44390		<10	<1	0.10	10	3.75	562	<1	0.02	22	630	27	0.09	3	2	91
CC44391		<10	<1	0.13	10	3.37	510	<1	0.02	20	640	25	0.25	<2	3	72
CC44392		<10	<1	0.07	<10	3.94	417	1	0.02	16	500	16	1.13	<2	2	102
CC44393		<10	<1	0.12	10	4.30	396	<1	0.02	13	570	11	0.03	<2	2	90
CC44394		<10	<1	0.11	10	3.60	594	<1	0.02	19	600	25	0.57	<2	3	92
CC44395		<10	<1	0.13	10	2.06	704	<1	0.02	29	690	28	0.03	<2	3	39
CC44396		<10	<1	0.12	10	2.26	720	<1	0.02	30	680	28	0.02	<2	4	30
CC44397		<10	<1	0.12	10	4.05	673	<1	0.03	23	630	22	0.02	2	3	94
CC44398		<10	<1	0.17	10	3.07	794	<1	0.02	32	650	37	0.02	2	4	69
CC44399		<10	<1	0.18	10	2.40	774	<1	0.02	31	700	32	0.02	<2	4	44
CC44400		<10	<1	0.12	10	3.54	677	<1	0.02	26	650	27	0.02	<2	3	84
CC44401		<10	1	0.14	10	3.64	675	<1	0.02	25	620	23	0.01	2	3	79
CC44402		<10	<1	0.14	10	1.17	904	<1	0.02	33	710	38	0.03	<2	4	24
CC44403		<10	<1	0.14	10	1.18	791	<1	0.02	30	710	32	0.04	<2	4	27
CC44404		<10	<1	0.11	10	2.41	726	<1	0.02	28	710	27	0.02	2	4	37
CC44405		<10	<1	0.12	10	3.08	674	<1	0.02	27	660	29	0.02	<2	3	47
CC44406		<10	<1	0.14	10	3.88	608	<1	0.03	22	620	21	0.01	<2	3	87
CC44407		<10	<1	0.09	10	2.47	737	<1	0.02	25	760	26	0.03	<2	3	31
CC44408		<10	<1	0.13	10	3.57	687	<1	0.02	24	660	24	0.02	2	3	56
CC44409		<10	<1	0.07	10	4.17	543	<1	0.02	18	590	16	0.03	<2	2	73
CC44410		<10	<1	0.13	10	3.76	605	<1	0.02	22	600	21	0.02	<2	3	90
CC44411		<10	<1	0.08	10	4.20	488	<1	0.02	19	590	17	0.04	<2	2	61
CC44412		<10	<1	0.13	10	3.90	517	<1	0.03	20	640	21	0.04	<2	3	62
CC44413		<10	1	0.11	10	2.29	809	<1	0.02	28	680	29	0.02	2	3	49
CC44414		<10	<1	0.16	10	1.63	894	<1	0.03	27	690	28	0.04	2	3	37
CC44415		<10	<1	0.13	10	2.85	853	<1	0.02	30	680	31	0.02	2	4	42
CC44416		<10	<1	0.18	10	3.90	720	<1	0.03	21	600	20	0.01	<2	3	66
CC44417		<10	<1	0.14	10	3.31	701	<1	0.02	26	650	27	0.02	<2	3	83
CC44418		<10	<1	0.14	10	3.88	681	<1	0.03	24	650	23	0.02	<2	3	95
CC44419		<10	<1	0.15	10	3.18	834	<1	0.02	27	560	24	0.03	<2	3	49

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CERTIFICATE OF ANALYSIS VA10119665

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC44380		<20	0.03	<10	<10	55	<10	354
CC44381		<20	0.08	<10	<10	52	<10	127
CC44382		<20	0.02	<10	<10	42	<10	181
CC44383		<20	0.02	<10	<10	37	<10	157
CC44384		<20	0.02	<10	<10	55	<10	183
CC44385		<20	0.06	<10	<10	60	<10	158
CC44386		<20	0.02	<10	<10	44	<10	162
CC44387		<20	0.02	<10	<10	44	<10	154
CC44388		<20	0.02	<10	<10	45	<10	157
CC44389		<20	0.02	<10	<10	43	<10	142
CC44390		<20	0.02	<10	<10	31	<10	115
CC44391		<20	0.02	<10	<10	29	<10	114
CC44392		<20	0.02	<10	<10	20	<10	81
CC44393		<20	0.02	<10	<10	28	<10	64
CC44394		<20	0.02	<10	<10	28	<10	116
CC44395		<20	0.02	<10	<10	38	<10	116
CC44396		<20	0.02	<10	<10	42	<10	112
CC44397		<20	0.02	<10	<10	32	<10	99
CC44398		<20	0.02	<10	<10	45	<10	150
CC44399		<20	0.03	<10	<10	48	<10	136
CC44400		<20	0.02	<10	<10	34	<10	122
CC44401		<20	0.02	<10	<10	33	<10	106
CC44402		<20	0.02	<10	<10	47	<10	142
CC44403		<20	0.02	<10	<10	45	<10	145
CC44404		<20	0.02	<10	<10	40	<10	122
CC44405		<20	0.02	<10	<10	39	<10	127
CC44406		<20	0.02	<10	<10	33	<10	106
CC44407		<20	0.02	<10	<10	35	<10	125
CC44408		<20	0.02	<10	<10	37	<10	122
CC44409		<20	0.02	<10	<10	26	<10	87
CC44410		<20	0.02	<10	<10	30	<10	105
CC44411		<20	0.02	<10	<10	25	<10	79
CC44412		<20	0.02	<10	<10	31	<10	101
CC44413		<20	0.02	<10	<10	39	<10	110
CC44414		<20	0.02	<10	<10	42	<10	129
CC44415		<20	0.02	<10	<10	43	<10	123
CC44416		<20	0.03	<10	<10	38	<10	98
CC44417		<20	0.02	<10	<10	37	<10	114
CC44418		<20	0.03	<10	<10	35	<10	104
CC44419		<20	0.02	<10	<10	41	<10	106

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 9- SEP- 2010
Account: RCM

Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10119665

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC44420		0.30	0.002	<0.2	1.04	10	<10	190	<0.5	<2	6.69	<0.5	8	18	31	2.44
CC44421		0.18	0.013	0.2	1.16	9	<10	260	0.5	<2	3.74	0.5	9	22	36	2.56
CC44422		0.24	0.001	0.2	1.31	8	<10	210	0.6	<2	5.39	<0.5	9	23	35	2.97
CC44423		0.24	0.003	0.3	1.25	13	<10	350	0.6	<2	4.79	0.6	10	23	36	3.00
CC44424		0.26	0.002	0.2	1.34	11	<10	260	0.6	<2	6.11	0.7	10	24	37	2.89
CC44425		0.24	0.002	0.2	1.14	13	<10	250	0.5	<2	7.3	0.5	10	21	36	2.67
CC44426		0.24	0.002	0.2	1.43	13	<10	290	0.6	<2	4.10	0.6	10	25	40	2.90
CC44427		0.24	0.001	0.2	0.95	9	<10	180	<0.5	<2	6.54	<0.5	9	18	30	2.30
CC44428		0.30	0.001	0.3	0.97	9	<10	270	<0.5	<2	7.9	0.6	9	19	30	2.37
CC44429		0.28	0.001	0.2	1.03	8	<10	250	0.5	<2	5.46	0.5	8	19	31	2.46
CC44430		0.26	<0.001	0.2	0.87	7	<10	220	<0.5	<2	6.32	<0.5	7	17	25	2.29
CC44431		0.26	0.001	0.2	0.77	8	<10	190	<0.5	<2	9.2	<0.5	6	15	24	2.01
CC44432		0.26	0.001	0.2	0.86	5	<10	210	<0.5	<2	8.3	0.5	8	17	27	2.04
CC44433		0.28	0.004	0.2	1.90	18	<10	290	0.8	<2	4.72	0.6	13	30	53	3.47
CC44434		0.28	0.002	<0.2	1.24	11	<10	190	0.6	<2	7.35	<0.5	9	26	36	2.74
CC44435		0.26	0.003	0.2	1.18	11	<10	240	0.5	<2	8.8	0.5	9	21	36	2.59
CC44436		0.24	0.002	<0.2	1.07	17	<10	260	0.5	<2	5.98	0.5	9	20	34	2.59
CC44437		0.22	0.001	<0.2	0.74	9	<10	110	<0.5	<2	9.2	<0.5	6	15	20	1.85
CC44438		0.24	0.003	0.2	0.81	19	<10	190	<0.5	<2	7.7	0.5	7	16	21	2.39
CC44439		0.28	0.004	0.2	1.33	12	<10	270	0.6	<2	6.21	0.7	11	24	41	2.95
CC44440		0.28	0.003	<0.2	1.16	11	<10	230	0.5	<2	4.02	<0.5	10	22	32	2.73

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1016- 510 W HASTINGS ST
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Finalized Date: 9- SEP- 2010
Account: RCM

Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10119665

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC44420		<10	<1	0.13	10	3.33	652	<1	0.03	24	650	22	0.03	<2	3	69
CC44421		<10	<1	0.13	10	1.79	705	<1	0.03	29	780	24	0.06	3	3	37
CC44422		<10	<1	0.17	10	2.79	824	<1	0.03	29	680	26	0.03	<2	4	57
CC44423		<10	<1	0.15	10	2.99	1010	<1	0.03	31	740	30	0.03	2	4	39
CC44424		<10	<1	0.21	10	3.05	806	<1	0.03	30	740	31	0.02	<2	4	67
CC44425		<10	<1	0.14	10	3.42	866	<1	0.02	30	720	31	0.02	2	3	72
CC44426		<10	<1	0.20	10	2.28	817	<1	0.03	31	810	31	0.04	<2	4	43
CC44427		<10	<1	0.12	10	3.56	789	<1	0.03	25	700	27	0.02	<2	3	64
CC44428		<10	<1	0.14	10	3.69	818	<1	0.02	26	660	27	0.02	2	3	78
CC44429		<10	<1	0.12	10	3.21	654	<1	0.02	25	710	24	0.05	<2	3	52
CC44430		<10	<1	0.09	10	3.69	581	<1	0.02	23	700	19	0.02	<2	3	52
CC44431		<10	<1	0.12	10	4.28	589	<1	0.03	20	630	17	0.02	<2	3	83
CC44432		<10	<1	0.09	10	3.49	643	<1	0.03	23	690	18	0.03	2	3	84
CC44433		<10	<1	0.27	10	2.42	951	<1	0.03	41	720	42	0.02	3	5	57
CC44434		<10	<1	0.15	10	3.39	773	<1	0.03	29	710	25	0.02	<2	3	88
CC44435		<10	<1	0.18	10	3.76	718	<1	0.03	27	670	26	0.02	<2	4	92
CC44436		<10	<1	0.14	10	3.18	755	<1	0.02	27	780	26	0.04	2	3	62
CC44437		<10	<1	0.12	10	4.14	777	<1	0.03	18	570	17	0.29	<2	2	89
CC44438		<10	<1	0.10	10	3.69	1315	<1	0.02	20	660	18	0.06	<2	2	77
CC44439		<10	<1	0.22	10	3.09	1040	<1	0.03	34	740	35	0.03	2	4	69
CC44440		<10	1	0.12	10	2.54	747	<1	0.02	28	720	28	0.03	<2	3	34

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Finalized Date: 9- SEP- 2010
Account: RCM

Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10119665

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC44420		<20	0.02	<10	<10	36	<10	103
CC44421		<20	0.02	<10	<10	38	<10	109
CC44422		<20	0.02	<10	<10	44	<10	122
CC44423		<20	0.02	<10	<10	43	<10	138
CC44424		<20	0.03	<10	<10	46	<10	143
CC44425		<20	0.02	<10	<10	41	<10	133
CC44426		<20	0.02	<10	<10	47	<10	142
CC44427		<20	0.02	<10	<10	35	<10	108
CC44428		<20	0.02	<10	<10	35	<10	118
CC44429		<20	0.02	<10	<10	37	<10	130
CC44430		<20	0.02	<10	<10	32	<10	103
CC44431		<20	0.02	<10	<10	30	<10	97
CC44432		<20	0.03	<10	<10	31	<10	104
CC44433		<20	0.03	<10	<10	59	<10	182
CC44434		<20	0.04	<10	<10	45	<10	123
CC44435		<20	0.03	<10	<10	40	<10	129
CC44436		<20	0.02	<10	<10	37	<10	133
CC44437		<20	0.02	<10	<10	28	<10	92
CC44438		<20	0.02	<10	<10	31	<10	94
CC44439		<20	0.02	<10	<10	45	<10	157
CC44440		<20	0.02	<10	<10	41	<10	118

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1016- 510 W HASTINGS ST
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Finalized Date: 7- SEP- 2010
Account: RCM

CERTIFICATE VA10119666

Project: RAU (WEST)

P.O. No.:

This report is for 243 Soil samples submitted to our lab in Vancouver, BC, Canada on 26- AUG- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
PUL- 31	Pulverize split to 85% < 75 um
LOG- 21	Sample logging - ClientBarCode
PUL- QC	Pulverizing QC Test
SCR- 43	Screen to - 500um, discard plus
SCR- 01	Screen - Save plus fraction

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 7- SEP- 2010
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Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10119666

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC44455		0.26	0.004	0.7	1.22	10	<10	190	0.5	<2	5.23	1.4	9	23	37	2.63
CC44456		0.28	0.005	0.4	1.08	13	<10	180	<0.5	<2	8.8	0.5	9	20	39	2.46
CC44457		0.24	0.006	0.5	1.78	17	<10	540	0.8	<2	2.01	0.6	13	32	48	3.56
CC44458		0.30	0.005	0.6	1.46	16	<10	330	0.5	<2	6.17	0.6	11	29	46	3.22
CC44459		0.30	0.005	0.4	1.36	14	<10	220	0.5	<2	7.4	0.6	11	25	47	2.90
CC44460		0.24	0.005	0.6	2.41	10	<10	200	<0.5	<2	5.84	<0.5	31	117	73	4.87
CC70631		0.26	0.004	0.4	1.22	13	<10	250	0.5	<2	6.48	0.5	10	24	38	2.69
CC70632		0.32	0.005	0.5	0.98	14	<10	270	<0.5	<2	9.4	0.6	8	19	32	2.28
CC70633		0.38	0.006	0.4	1.31	14	<10	330	0.6	<2	8.1	0.7	10	29	45	2.77
CC70634		0.28	0.012	0.4	1.01	10	<10	300	0.5	<2	6.27	0.7	8	20	32	2.32
CC70635		0.28	0.005	0.4	1.27	13	<10	290	0.6	<2	5.02	0.8	9	23	36	2.88
CC70636		0.28	0.005	0.5	1.19	13	<10	380	0.5	<2	8.8	0.7	9	22	38	2.61
CC70637		0.26	0.005	0.4	1.26	14	<10	230	0.5	<2	8.1	0.6	10	22	38	2.69
CC70638		0.24	0.006	0.5	1.62	20	<10	340	0.7	<2	4.14	0.8	11	29	46	3.38
CC70639		0.32	0.004	0.4	1.09	15	<10	210	0.5	<2	6.57	0.7	9	20	32	2.52
CC70640		0.28	0.005	0.4	1.36	15	<10	230	0.6	<2	7.1	0.6	10	23	42	2.79
CC70641		0.24	0.005	0.5	1.33	17	<10	300	0.6	<2	6.31	0.7	10	23	40	2.81
CC70642		0.22	0.006	0.4	1.59	14	<10	310	0.7	<2	6.9	0.7	11	27	46	3.08
CC70643		0.26	0.005	0.4	1.52	15	<10	360	0.7	<2	4.49	0.7	11	28	43	3.14
CC70644		0.24	0.006	0.4	1.51	15	<10	430	0.7	<2	2.78	0.5	11	29	38	3.13
CC70645		0.24	0.003	0.4	1.12	14	<10	170	0.5	<2	8.8	0.6	8	19	33	2.51
CC70646		0.26	0.004	0.4	1.39	16	<10	230	0.6	<2	5.00	0.5	10	25	37	3.04
CC70647		0.30	0.005	0.4	1.46	15	<10	310	0.6	<2	4.68	0.6	11	25	39	3.08
CC70648		0.24	0.006	0.5	1.55	15	<10	430	0.7	<2	2.51	0.6	12	27	41	3.33
CC70649		0.22	0.007	0.4	1.57	13	<10	360	0.7	<2	3.94	0.5	12	28	42	3.30
CC70650		0.24	0.005	0.4	1.39	11	<10	310	0.6	<2	8.6	0.7	10	22	43	2.82
CC72717		0.16	0.006	0.4	1.12	14	<10	250	0.5	<2	6.39	0.7	9	20	33	2.53
CC72718		0.20	0.005	0.4	1.00	11	<10	230	0.5	<2	6.68	0.6	8	19	30	2.27
CC72719		0.24	0.005	0.4	1.26	11	<10	320	0.6	<2	5.38	1.0	9	22	36	2.73
CC72720		0.24	0.005	0.5	1.53	14	<10	340	0.7	<2	4.01	0.8	10	27	41	3.22
CC72721		0.20	0.004	0.4	0.72	7	<10	120	<0.5	<2	9.3	<0.5	5	15	18	1.78
CC72722		0.26	0.004	0.4	1.15	13	<10	230	0.5	<2	6.6	<0.5	8	20	31	2.56
CC72723		0.28	0.006	0.4	0.99	12	<10	160	0.5	<2	6.20	<0.5	6	19	26	2.20
CC72724		0.28	0.005	0.3	1.35	14	<10	250	0.6	<2	3.91	0.5	9	24	34	2.97
CC72725		0.20	0.004	0.3	1.15	12	<10	230	0.5	<2	3.43	0.8	8	21	31	2.58
CC72726		0.16	0.004	0.4	1.08	11	<10	190	0.5	<2	3.07	0.7	8	22	25	2.45
CC72727		0.22	0.005	0.5	1.20	12	<10	280	0.6	<2	6.40	0.7	11	22	36	2.74
CC72728		0.26	0.005	0.3	1.19	13	<10	230	0.6	<2	3.96	0.5	11	22	31	2.95
CC72729		0.28	0.005	0.4	0.96	13	<10	140	<0.5	<2	8.9	0.7	10	19	36	2.46
CC72731		0.26	0.005	0.6	1.20	14	<10	250	0.6	<2	5.66	0.6	10	21	34	2.75

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Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10119666

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC44455		10	<1	0.12	10	3.00	837	15	0.01	28	780	42	0.03	<2	3	45
CC44456		<10	<1	0.12	10	4.07	742	<1	0.02	25	710	26	0.02	<2	3	89
CC44457		<10	<1	0.13	10	1.11	978	1	0.01	36	670	35	0.05	<2	3	31
CC44458		<10	<1	0.15	10	3.55	1055	1	0.01	34	850	33	0.01	<2	4	56
CC44459		<10	<1	0.17	10	3.50	816	1	0.02	33	740	32	0.01	<2	4	80
CC44460		10	<1	0.12	20	4.19	697	1	0.02	129	1640	17	0.02	<2	7	92
CC70631		<10	<1	0.12	10	3.25	728	<1	0.01	31	770	27	0.01	<2	4	66
CC70632		<10	<1	0.13	10	4.05	677	1	0.01	23	680	25	0.01	<2	3	100
CC70633		<10	<1	0.17	10	3.46	785	1	0.02	32	670	32	0.01	<2	4	90
CC70634		<10	<1	0.11	10	3.26	722	<1	0.02	25	720	27	0.04	<2	3	59
CC70635		<10	<1	0.14	10	3.14	565	<1	0.01	28	750	29	0.07	<2	4	45
CC70636		<10	<1	0.17	10	3.69	746	1	0.02	30	680	32	0.02	<2	4	99
CC70637		<10	<1	0.16	10	3.65	760	1	0.02	27	690	30	0.01	<2	4	89
CC70638		<10	<1	0.19	10	2.67	744	<1	0.02	35	790	37	0.03	<2	5	41
CC70639		<10	<1	0.11	10	3.49	712	2	0.02	27	680	31	0.02	<2	3	59
CC70640		<10	<1	0.17	10	3.42	826	<1	0.02	31	710	33	0.01	2	4	78
CC70641		<10	<1	0.16	10	3.02	843	<1	0.02	31	730	35	0.02	<2	4	67
CC70642		<10	<1	0.22	10	3.06	847	1	0.02	35	710	37	0.01	<2	5	80
CC70643		<10	1	0.16	10	2.45	822	1	0.02	34	780	33	0.02	<2	5	51
CC70644		<10	<1	0.13	10	1.91	745	2	0.02	32	700	31	0.02	<2	4	31
CC70645		<10	<1	0.14	10	3.99	753	<1	0.02	26	680	28	0.02	<2	4	94
CC70646		<10	<1	0.14	10	2.70	825	1	0.02	31	690	31	0.02	<2	4	52
CC70647		<10	<1	0.15	10	2.40	907	<1	0.02	30	680	30	0.03	<2	4	52
CC70648		<10	<1	0.16	10	1.59	810	<1	0.02	33	830	37	0.04	<2	4	31
CC70649		<10	<1	0.16	10	2.02	949	<1	0.01	33	740	35	0.04	<2	4	47
CC70650		<10	<1	0.19	10	3.55	817	1	0.02	31	660	38	0.02	<2	4	93
CC72717		<10	<1	0.13	10	3.48	809	1	0.01	27	740	33	0.03	<2	3	56
CC72718		<10	<1	0.11	10	3.43	733	<1	0.02	24	680	28	0.02	<2	3	61
CC72719		<10	<1	0.14	10	2.92	714	<1	0.02	27	730	30	0.03	<2	4	52
CC72720		<10	<1	0.18	10	2.22	731	1	0.01	32	800	32	0.03	<2	4	43
CC72721		<10	<1	0.09	10	4.78	579	<1	0.02	19	630	19	0.01	<2	2	81
CC72722		<10	<1	0.12	10	3.50	682	<1	0.01	27	590	26	0.01	<2	4	64
CC72723		<10	<1	0.11	10	3.88	459	1	0.02	22	780	23	0.01	<2	3	42
CC72724		<10	<1	0.13	10	2.49	630	<1	0.01	29	830	29	0.03	<2	4	34
CC72725		<10	<1	0.10	10	1.86	337	<1	0.02	25	860	27	0.05	<2	3	34
CC72726		<10	<1	0.11	10	1.51	612	<1	0.01	24	810	23	0.06	<2	3	31
CC72727		<10	<1	0.14	10	3.06	777	1	0.02	26	730	31	0.01	<2	4	68
CC72728		<10	<1	0.11	10	2.59	842	2	0.02	26	780	30	0.01	<2	4	35
CC72729		<10	<1	0.11	10	3.65	740	2	0.02	22	680	28	<0.01	<2	3	91
CC72731		<10	<1	0.12	10	3.02	736	1	0.02	26	770	31	0.01	<2	4	56

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7- SEP- 2010
Account: RCM

Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10119666

Sample Description	Method Analyte Units LOR	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2
CC44455		<20	0.03	<10	<10	43	<10	133
CC44456		<20	0.04	<10	<10	39	<10	117
CC44457		<20	0.02	<10	<10	55	<10	133
CC44458		<20	0.04	<10	<10	52	<10	155
CC44459		<20	0.04	<10	<10	48	<10	148
CC44460		<20	0.04	<10	<10	78	<10	149
CC70631		<20	0.03	<10	<10	43	<10	123
CC70632		<20	0.03	<10	<10	36	<10	121
CC70633		<20	0.03	<10	<10	45	<10	153
CC70634		<20	0.02	<10	<10	37	<10	135
CC70635		<20	0.02	<10	<10	43	<10	164
CC70636		<20	0.03	<10	<10	41	<10	149
CC70637		<20	0.03	<10	<10	43	<10	138
CC70638		<20	0.02	<10	<10	53	<10	175
CC70639		<20	0.02	<10	<10	39	<10	131
CC70640		<20	0.03	<10	<10	46	<10	147
CC70641		<20	0.02	<10	<10	45	<10	150
CC70642		<20	0.03	<10	<10	52	<10	164
CC70643		<20	0.03	<10	<10	52	<10	153
CC70644		<20	0.03	<10	<10	53	<10	128
CC70645		<20	0.02	<10	<10	38	<10	125
CC70646		<20	0.02	<10	<10	46	<10	130
CC70647		<20	0.02	<10	<10	48	<10	137
CC70648		<20	0.02	<10	<10	52	<10	167
CC70649		<20	0.02	<10	<10	52	<10	144
CC70650		<20	0.03	<10	<10	46	<10	164
CC72717		<20	0.02	<10	<10	39	<10	136
CC72718		<20	0.02	<10	<10	36	<10	114
CC72719		<20	0.02	<10	<10	41	<10	170
CC72720		<20	0.02	<10	<10	51	<10	184
CC72721		<20	0.02	<10	<10	29	<10	89
CC72722		<20	0.02	<10	<10	40	<10	114
CC72723		<20	0.02	<10	<10	36	<10	109
CC72724		<20	0.02	<10	<10	46	<10	161
CC72725		<20	0.02	<10	<10	39	<10	143
CC72726		<20	0.01	<10	<10	37	<10	137
CC72727		<20	0.02	<10	<10	40	<10	135
CC72728		<20	0.02	<10	<10	41	<10	126
CC72729		<20	0.03	<10	<10	34	<10	119
CC72731		<20	0.02	<10	<10	40	<10	128

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7- SEP- 2010
Account: RCM

Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10119666

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC72732		0.30	0.004	0.6	1.28	12	<10	270	0.6	<2	4.98	0.7	11	22	37	2.92
CC72733		0.30	0.007	0.6	1.33	15	<10	280	0.6	<2	6.36	0.6	13	23	40	2.94
CC72734		0.30	0.005	0.4	1.26	16	<10	320	0.6	<2	7.7	0.7	11	22	38	2.75
CC72735		0.26	0.005	0.3	1.10	13	<10	260	0.5	<2	7.6	0.6	10	19	32	2.54
CC72736		0.24	0.002	0.4	1.20	14	<10	230	0.5	<2	7.3	0.8	11	20	36	2.71
CC72737		0.24	0.005	0.5	1.12	13	<10	260	0.5	<2	6.6	0.5	10	20	32	2.54
CC72738		0.30	0.008	0.4	0.95	8	<10	140	<0.5	<2	9.2	<0.5	9	16	30	2.26
CC72739		0.30	0.005	0.4	1.22	12	<10	310	0.6	<2	6.23	0.6	10	21	32	2.67
CC72740		0.28	0.005	0.4	1.15	14	<10	280	0.5	<2	8.9	0.7	10	20	33	2.60
CC72741		0.24	0.005	0.5	1.12	14	<10	350	0.5	<2	9.3	0.8	10	20	33	2.57
CC72742		0.28	0.005	0.5	1.25	16	<10	270	0.6	<2	8.1	0.6	11	23	35	2.77
CC72743		0.26	0.004	0.5	1.13	15	<10	290	0.5	<2	9.6	0.8	10	20	32	2.57
CC72744		0.24	0.003	0.4	0.74	8	<10	200	<0.5	<2	7.7	0.5	8	15	17	1.85
CC72745		0.34	0.005	0.6	1.18	10	<10	380	0.6	<2	9.0	0.7	10	20	31	2.59
CC72746		0.30	0.003	0.4	0.82	9	<10	220	<0.5	<2	8.7	0.5	8	16	24	2.10
CC72747		0.24	0.005	0.4	1.33	12	<10	230	0.6	<2	5.03	0.6	12	24	36	2.93
CC72748		0.24	0.004	0.3	1.15	7	<10	350	0.5	<2	2.51	0.7	10	22	24	2.72
CC108141		0.30	0.004	0.3	1.47	10	<10	370	0.7	<2	3.04	1.0	10	26	37	3.13
CC108142		0.28	0.004	0.4	1.22	14	<10	240	0.6	<2	4.83	1.1	10	23	36	2.87
CC108143		0.18	0.005	0.4	1.17	13	<10	630	0.6	<2	3.07	2.1	11	21	35	2.88
CC108144		0.28	0.004	0.4	1.26	9	<10	290	0.6	<2	3.20	0.9	11	24	31	2.88
CC108145		0.28	0.004	0.4	1.39	15	<10	260	0.6	<2	3.52	0.7	11	25	34	3.06
CC108307		0.28	0.016	0.3	1.19	14	<10	200	0.5	<2	1.53	0.8	14	25	34	3.21
CC108308		0.20	0.005	0.3	1.12	12	<10	240	0.5	<2	2.78	1.1	11	28	40	2.79
CC108309		0.32	0.009	0.5	0.95	9	<10	220	<0.5	<2	4.20	1.0	10	25	30	2.43
CC108310		0.26	0.008	0.4	1.00	11	<10	190	<0.5	<2	3.69	0.8	11	26	34	2.58
CC108311		0.24	0.008	0.5	0.94	12	<10	190	<0.5	<2	4.79	0.7	10	24	28	2.53
CC108312		0.30	0.005	0.3	0.91	10	<10	270	<0.5	<2	7.1	1.5	9	19	34	2.39
CC108313		0.32	0.004	0.5	1.07	12	<10	230	0.5	<2	8.8	0.8	10	33	39	2.45
CC108314		0.26	0.003	0.4	0.93	13	<10	140	<0.5	<2	6.01	1.8	9	20	42	2.47
CC108315		0.36	0.004	0.3	0.84	13	<10	140	<0.5	<2	5.86	1.5	7	17	25	2.18
CC108316		0.32	0.006	0.2	1.38	15	<10	360	0.6	<2	0.96	0.9	11	26	31	3.14
CC108317		0.32	0.004	<0.2	1.04	14	<10	280	0.5	<2	9.4	0.6	8	18	34	2.30
CC108318		0.30	0.005	<0.2	1.18	14	<10	280	0.5	<2	8.9	0.8	9	19	32	2.49
CC108319		0.30	0.005	<0.2	1.05	20	<10	290	0.5	<2	5.45	0.9	10	19	28	2.53
CC108320		0.20	0.005	0.2	1.06	13	<10	360	0.5	<2	5.69	0.8	8	19	29	2.08
CC108321		0.28	0.003	<0.2	1.01	19	<10	270	<0.5	<2	7.3	0.8	9	18	29	2.64
CC108322		0.42	0.004	0.2	1.44	16	<10	310	0.6	<2	3.83	1.0	10	24	36	3.01
CC108323		0.30	0.004	0.2	1.67	14	<10	320	0.7	<2	4.04	1.1	10	27	41	3.16
CC108324		0.26	0.004	<0.2	1.12	11	<10	270	0.5	<2	8.5	0.8	8	20	32	2.20

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7- SEP- 2010
Account: RCM

Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10119666

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC72732		<10	<1	0.12	10	2.69	762	1	0.02	26	790	32	0.01	<2	4	52
CC72733		10	<1	0.15	10	2.89	804	1	0.02	27	710	32	0.01	<2	4	75
CC72734		<10	<1	0.16	10	3.35	743	2	0.02	26	680	31	0.01	2	4	87
CC72735		<10	<1	0.12	10	3.45	696	2	0.02	23	650	32	<0.01	<2	4	80
CC72736		<10	<1	0.13	10	3.36	740	2	0.02	25	700	31	0.01	<2	4	79
CC72737		<10	<1	0.10	10	3.29	682	1	0.02	22	680	27	0.01	<2	3	66
CC72738		<10	<1	0.10	10	4.25	766	1	0.02	15	610	24	<0.01	<2	3	81
CC72739		<10	<1	0.14	10	3.13	692	1	0.02	24	730	26	0.01	<2	4	67
CC72740		<10	<1	0.14	10	3.70	704	2	0.02	24	680	30	<0.01	<2	4	98
CC72741		<10	<1	0.15	10	3.84	712	2	0.02	24	700	29	0.01	<2	4	103
CC72742		<10	<1	0.18	10	3.57	774	2	0.02	26	690	33	<0.01	<2	4	88
CC72743		<10	<1	0.16	10	3.80	704	2	0.02	23	680	27	<0.01	<2	4	111
CC72744		<10	<1	0.09	10	4.25	735	1	0.02	14	680	20	0.01	<2	2	63
CC72745		<10	<1	0.18	10	3.53	718	2	0.02	24	650	29	<0.01	<2	4	99
CC72746		<10	<1	0.10	10	4.02	596	1	0.02	17	640	20	<0.01	<2	3	88
CC72747		<10	<1	0.14	10	2.82	762	2	0.02	27	740	29	0.01	<2	4	55
CC72748		<10	<1	0.09	10	1.36	789	1	0.02	22	880	20	0.03	<2	3	32
CC108141		<10	<1	0.16	10	1.84	956	1	0.02	28	860	36	0.04	<2	4	35
CC108142		<10	<1	0.14	10	3.15	695	2	0.02	29	840	30	0.01	2	4	46
CC108143		<10	<1	0.12	10	1.10	2510	3	0.02	31	980	21	0.10	<2	2	50
CC108144		<10	<1	0.14	10	1.96	802	1	0.02	26	910	33	0.03	<2	3	37
CC108145		<10	<1	0.15	10	2.29	764	1	0.02	27	870	35	0.02	<2	4	35
CC108307		<10	<1	0.11	10	1.30	1315	3	0.01	52	830	29	0.01	<2	4	23
CC108308		<10	<1	0.13	10	1.76	790	2	0.02	34	990	28	0.04	<2	3	38
CC108309		<10	<1	0.12	10	2.83	635	2	0.02	28	1030	21	0.02	<2	3	46
CC108310		<10	<1	0.11	10	2.49	483	2	0.02	28	1110	20	0.03	<2	3	44
CC108311		<10	<1	0.10	10	3.02	622	3	0.02	28	1040	19	0.03	<2	3	48
CC108312		<10	<1	0.12	10	3.66	619	3	0.02	30	730	21	0.01	3	3	68
CC108313		<10	<1	0.16	10	3.83	695	3	0.02	28	690	25	<0.01	<2	4	97
CC108314		<10	<1	0.12	10	3.24	568	4	0.02	38	800	21	0.01	2	3	65
CC108315		<10	<1	0.11	10	3.58	451	3	0.02	29	750	17	0.01	<2	2	51
CC108316		<10	<1	0.11	10	0.60	648	2	0.01	30	940	27	0.02	<2	4	25
CC108317		<10	<1	0.14	10	3.88	696	1	0.02	30	680	28	0.02	<2	3	101
CC108318		<10	1	0.17	20	3.53	713	<1	0.03	29	660	30	0.02	<2	4	100
CC108319		10	1	0.11	10	3.27	932	1	0.02	28	780	29	0.03	<2	3	49
CC108320		<10	1	0.13	10	3.27	467	<1	0.03	27	740	25	0.05	<2	3	57
CC108321		<10	1	0.13	10	3.68	644	1	0.03	27	710	26	0.04	<2	3	77
CC108322		<10	<1	0.16	20	2.49	642	<1	0.02	32	830	34	0.04	<2	4	38
CC108323		10	<1	0.21	10	2.57	568	<1	0.02	34	790	31	0.04	<2	5	40
CC108324		<10	<1	0.14	10	3.57	730	<1	0.03	29	680	27	0.02	2	4	94

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CERTIFICATE OF ANALYSIS VA10119666

Sample Description	Method Analyte Units LOR	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2
CC72732		<20	0.02	<10	<10	43	<10	133
CC72733		<20	0.02	<10	<10	44	<10	140
CC72734		<20	0.03	<10	<10	42	<10	136
CC72735		<20	0.02	<10	<10	37	<10	127
CC72736		<20	0.02	<10	<10	39	<10	134
CC72737		<20	0.02	<10	<10	37	<10	114
CC72738		<20	0.03	<10	<10	33	<10	106
CC72739		<20	0.02	<10	<10	41	<10	113
CC72740		<20	0.02	<10	<10	39	<10	129
CC72741		<20	0.02	<10	<10	38	<10	132
CC72742		<20	0.02	<10	<10	42	<10	147
CC72743		<20	0.02	<10	<10	39	<10	134
CC72744		<20	0.02	<10	<10	30	<10	81
CC72745		<20	0.02	<10	<10	39	<10	130
CC72746		<20	0.02	<10	<10	30	<10	101
CC72747		<20	0.03	<10	<10	45	<10	130
CC72748		<20	0.02	<10	<10	41	<10	108
CC108141		<20	0.02	<10	<10	48	<10	168
CC108142		<20	0.02	<10	<10	45	<10	168
CC108143		<20	0.01	<10	<10	40	<10	164
CC108144		<20	0.02	<10	<10	43	<10	152
CC108145		<20	0.02	<10	<10	45	<10	159
CC108307		<20	0.03	<10	<10	50	<10	195
CC108308		<20	0.05	<10	<10	46	<10	153
CC108309		<20	0.07	<10	<10	43	<10	133
CC108310		<20	0.06	<10	<10	42	<10	138
CC108311		<20	0.07	<10	<10	41	<10	129
CC108312		<20	0.03	<10	<10	43	<10	191
CC108313		<20	0.03	<10	<10	40	<10	138
CC108314		<20	0.04	<10	<10	54	<10	248
CC108315		<20	0.03	<10	<10	44	<10	174
CC108316		<20	0.02	<10	<10	51	<10	140
CC108317		<20	0.02	<10	<10	35	<10	123
CC108318		<20	0.02	<10	<10	39	<10	127
CC108319		<20	0.02	<10	<10	38	<10	131
CC108320		<20	0.02	<10	<10	38	<10	131
CC108321		<20	0.02	<10	<10	36	<10	124
CC108322		<20	0.02	<10	<10	46	<10	169
CC108323		<20	0.02	<10	<10	49	<10	196
CC108324		<20	0.02	<10	<10	37	<10	134

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Finalized Date: 7- SEP- 2010
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Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10119666

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC108325		0.22	0.004	0.3	1.27	10	<10	290	0.5	<2	2.48	1.2	10	31	36	2.32
CC108326		0.24	0.015	<0.2	1.21	9	<10	280	0.5	<2	3.29	1.2	10	28	33	2.30
CC108327		0.28	0.006	<0.2	1.03	13	<10	190	<0.5	<2	4.00	0.9	11	25	34	2.63
CC108328		0.26	0.010	<0.2	0.92	14	<10	230	<0.5	<2	5.36	0.9	9	23	30	2.30
CC108329		0.18	0.004	0.2	1.21	8	<10	340	0.5	<2	2.75	1.0	10	28	29	2.52
CC108330		0.28	0.003	0.2	1.12	14	<10	320	0.5	<2	2.31	2.0	9	23	38	2.76
CC108331		0.20	0.001	<0.2	1.00	13	<10	160	<0.5	<2	4.58	1.5	8	19	28	2.43
CC108332		0.22	0.004	<0.2	1.07	15	<10	180	<0.5	<2	4.75	1.5	9	20	36	2.52
CC108333		0.28	0.003	<0.2	1.06	11	<10	180	<0.5	<2	3.32	1.1	9	21	30	2.43
CC108334		0.26	0.002	0.2	0.91	13	<10	170	<0.5	<2	4.35	1.6	8	19	31	2.23
CC108335		0.30	0.011	0.2	1.17	15	<10	290	0.5	<2	2.94	1.3	9	23	36	2.68
CC108336		0.26	0.003	<0.2	1.65	13	<10	270	0.6	<2	1.58	0.5	10	25	24	3.00
CC108337		0.36	0.003	0.4	1.37	14	<10	360	0.6	<2	3.77	0.7	10	23	32	2.87
CC108338		0.24	0.003	<0.2	1.00	11	<10	200	0.5	<2	7.7	0.6	7	17	24	2.25
CC108339		0.18	0.007	<0.2	1.16	24	<10	260	0.5	<2	6.18	0.9	10	20	29	2.87
CC108340		0.46	0.003	<0.2	0.91	16	<10	230	<0.5	<2	9.0	0.7	8	16	26	2.09
CC108341		0.22	0.001	<0.2	0.74	11	<10	250	<0.5	<2	10.2	0.5	7	14	21	1.85
CC108342		0.36	0.004	0.2	1.03	13	<10	250	0.5	<2	9.2	0.8	9	18	29	2.30
CC108343		0.30	0.003	<0.2	0.90	10	<10	210	<0.5	<2	7.7	0.5	7	16	21	2.08
CC108344		0.36	0.003	0.2	1.08	14	<10	290	0.5	<2	8.8	0.8	9	19	35	2.39
CC108345		0.28	0.003	<0.2	1.18	16	<10	250	0.5	<2	7.06	0.9	10	21	34	2.57
CC108346		0.26	0.003	<0.2	1.15	14	<10	240	0.5	<2	6.03	0.6	9	20	28	2.47
CC108347		0.34	0.003	<0.2	1.18	14	<10	240	0.5	<2	8.0	0.8	9	20	31	2.46
CC108348		0.44	0.003	<0.2	1.36	13	<10	260	0.6	<2	7.3	0.8	10	23	37	2.70
CC108349		0.18	0.008	<0.2	0.72	13	<10	100	<0.5	<2	9.4	0.6	6	13	20	1.79
CC108350		0.18	0.003	<0.2	0.98	11	<10	190	<0.5	<2	5.66	0.6	7	17	21	2.15
CC108351		0.28	0.004	0.2	1.70	16	<10	310	0.8	<2	0.90	0.5	13	32	36	3.30
CC108352		0.16	0.005	0.3	1.63	18	<10	340	0.7	<2	1.71	1.0	14	32	38	3.58
CC108353		0.32	0.004	0.3	1.36	16	<10	330	0.6	<2	6.9	0.8	11	26	41	2.93
CC108354		0.18	0.004	0.5	1.37	32	<10	390	0.6	<2	1.59	1.6	12	27	63	3.40
CC108355		0.26	0.005	0.4	1.39	31	<10	310	0.6	<2	5.03	0.9	12	27	46	3.09
CC108356		0.28	0.004	0.4	1.22	23	<10	230	0.5	<2	8.3	0.8	11	23	39	2.82
CC108357		0.46	0.002	0.4	1.22	15	<10	280	0.5	2	6.53	0.7	10	24	37	2.74
CC108358		0.28	0.004	0.4	1.25	13	<10	300	0.5	<2	5.95	0.6	10	26	35	2.74
CC108359		0.20	0.002	0.3	1.44	12	<10	280	0.6	<2	3.85	0.5	12	39	37	2.82
CC108360		0.22	0.003	0.2	1.24	13	<10	320	0.5	<2	6.34	1.0	9	31	41	2.55
CC108361		0.22	0.003	0.4	1.23	15	<10	300	0.5	<2	4.14	0.9	10	24	34	2.74
CC108362		0.24	0.005	0.5	1.75	16	<10	380	0.8	<2	2.46	0.9	14	32	41	3.45
CC108363		0.36	0.005	0.4	1.33	14	<10	330	0.6	<2	6.13	0.8	11	27	39	2.78
CC108364		0.16	0.004	0.3	1.53	12	<10	310	0.7	<2	3.49	0.7	12	29	34	2.92

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7- SEP- 2010
Account: RCM

Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10119666

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC108325		<10	<1	0.10	20	1.56	279	<1	0.02	33	1030	27	0.12	<2	4	38
CC108326		<10	<1	0.11	20	2.20	911	<1	0.03	36	950	27	0.04	<2	4	36
CC108327		<10	<1	0.11	20	2.58	871	2	0.02	38	1090	20	0.02	<2	3	45
CC108328		<10	1	0.10	10	2.96	768	<1	0.02	32	980	18	0.04	<2	2	65
CC108329		<10	<1	0.12	20	1.72	540	<1	0.03	29	1030	24	0.05	<2	4	37
CC108330		<10	1	0.09	10	1.45	708	3	0.02	45	790	21	0.03	2	3	29
CC108331		<10	1	0.10	10	2.53	570	1	0.02	36	690	20	0.03	<2	3	47
CC108332		<10	1	0.10	10	2.62	657	1	0.02	38	870	24	0.03	<2	3	49
CC108333		<10	<1	0.10	20	2.07	549	1	0.03	34	790	21	0.02	<2	3	30
CC108334		<10	<1	0.09	10	2.79	500	2	0.02	39	740	18	0.02	<2	3	32
CC108335		<10	1	0.12	20	1.95	603	1	0.01	41	960	25	0.01	<2	4	31
CC108336		<10	<1	0.10	20	1.19	631	<1	0.02	28	340	28	0.02	<2	4	17
CC108337		<10	<1	0.13	20	2.14	819	<1	0.03	30	770	31	0.04	<2	3	39
CC108338		<10	1	0.12	10	3.69	678	<1	0.03	24	630	24	0.02	<2	3	76
CC108339		<10	<1	0.18	20	3.56	630	<1	0.03	27	740	28	0.06	<2	4	65
CC108340		<10	1	0.14	10	3.90	607	<1	0.03	24	630	22	0.08	<2	3	97
CC108341		<10	1	0.12	10	4.45	605	<1	0.03	21	600	17	0.02	<2	3	101
CC108342		<10	<1	0.15	20	3.82	716	<1	0.03	26	690	27	0.02	<2	3	99
CC108343		<10	<1	0.12	10	3.97	707	<1	0.03	21	630	16	0.02	<2	3	72
CC108344		<10	1	0.16	20	3.64	738	<1	0.03	31	670	26	0.02	<2	3	97
CC108345		<10	<1	0.17	20	3.47	853	<1	0.03	32	730	32	0.02	<2	4	80
CC108346		<10	<1	0.15	20	3.49	704	<1	0.03	28	710	26	0.02	<2	3	58
CC108347		<10	<1	0.16	20	3.54	731	<1	0.03	30	690	28	0.02	<2	4	85
CC108348		<10	1	0.18	20	3.24	801	1	0.03	33	730	30	0.02	<2	4	85
CC108349		<10	<1	0.10	10	4.42	584	<1	0.03	21	640	15	0.02	2	3	92
CC108350		<10	<1	0.11	10	3.26	1020	<1	0.03	22	630	19	0.03	<2	3	52
CC108351		10	<1	0.15	20	0.68	256	<1	0.02	31	870	37	0.03	<2	5	27
CC108352		<10	1	0.17	20	1.22	1185	<1	0.03	40	940	40	0.04	<2	5	32
CC108353		<10	<1	0.19	10	3.07	844	1	0.02	34	760	34	0.03	<2	4	78
CC108354		<10	<1	0.14	10	0.74	620	3	0.02	36	1030	34	0.08	2	4	33
CC108355		<10	<1	0.17	10	2.79	802	2	0.02	40	910	32	0.03	2	4	59
CC108356		<10	<1	0.15	10	3.47	773	1	0.02	34	790	30	0.02	<2	4	94
CC108357		<10	<1	0.16	10	3.08	711	1	0.03	29	840	28	0.03	<2	4	81
CC108358		<10	<1	0.14	10	3.01	752	1	0.02	30	830	26	0.02	<2	4	72
CC108359		<10	1	0.18	20	2.56	597	2	0.03	31	1190	26	0.04	<2	4	49
CC108360		<10	<1	0.20	10	2.96	538	2	0.03	32	740	27	0.05	<2	4	81
CC108361		<10	<1	0.17	10	2.39	733	1	0.02	30	800	27	0.05	<2	3	47
CC108362		<10	1	0.25	20	1.70	827	1	0.03	38	920	39	0.04	<2	5	32
CC108363		<10	<1	0.18	10	3.28	847	1	0.03	33	790	31	0.04	<2	4	79
CC108364		<10	1	0.16	10	1.89	622	1	0.02	32	570	34	0.05	<2	4	37

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CERTIFICATE OF ANALYSIS VA10119666

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC108325		<20	0.05	<10	<10	47	<10	182
CC108326		<20	0.06	<10	<10	47	<10	141
CC108327		<20	0.08	<10	<10	45	<10	153
CC108328		<20	0.06	<10	<10	40	<10	135
CC108329		<20	0.06	<10	<10	47	<10	161
CC108330		<20	0.03	<10	<10	53	<10	251
CC108331		<20	0.03	<10	<10	47	<10	183
CC108332		<20	0.03	<10	<10	45	<10	195
CC108333		<20	0.03	<10	<10	47	<10	143
CC108334		<20	0.03	<10	<10	46	<10	181
CC108335		<20	0.03	<10	<10	55	<10	195
CC108336		<20	0.02	<10	<10	59	<10	128
CC108337		<20	0.02	<10	<10	45	<10	131
CC108338		<20	0.02	<10	<10	33	<10	108
CC108339		<20	0.02	<10	<10	39	<10	134
CC108340		<20	0.02	<10	<10	32	<10	112
CC108341		<20	0.02	<10	<10	29	<10	97
CC108342		<20	0.02	<10	<10	35	<10	121
CC108343		<20	0.02	<10	<10	32	<10	91
CC108344		<20	0.02	<10	<10	36	<10	127
CC108345		<20	0.02	<10	<10	40	<10	137
CC108346		<20	0.02	<10	<10	38	<10	117
CC108347		<20	0.02	<10	<10	39	<10	128
CC108348		<20	0.03	<10	<10	45	<10	143
CC108349		<20	0.02	<10	<10	28	<10	90
CC108350		<20	0.02	<10	<10	34	<10	98
CC108351		<20	0.02	<10	<10	58	<10	145
CC108352		<20	0.03	<10	<10	55	<10	181
CC108353		<20	0.02	<10	<10	45	<10	156
CC108354		<20	0.02	<10	<10	55	<10	218
CC108355		<20	0.03	<10	<10	49	<10	170
CC108356		<20	0.03	<10	<10	43	<10	144
CC108357		<20	0.04	<10	<10	44	<10	135
CC108358		<20	0.04	<10	<10	44	<10	134
CC108359		<20	0.12	<10	<10	59	<10	120
CC108360		<20	0.03	<10	<10	44	<10	145
CC108361		<20	0.02	<10	<10	44	<10	160
CC108362		<20	0.03	<10	<10	60	<10	181
CC108363		<20	0.03	<10	<10	47	<10	140
CC108364		<20	0.02	<10	<10	52	<10	134

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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC108365		0.24	0.004	0.3	1.43	12	<10	410	0.6	<2	4.56	0.8	12	30	42	3.00
CC108366		0.28	0.002	0.3	1.46	14	<10	320	0.6	<2	6.48	0.7	12	29	42	3.06
CC108367		0.26	0.004	0.3	1.51	14	<10	390	0.6	<2	5.67	0.5	11	26	39	3.03
CC108368		0.30	0.002	0.3	1.14	12	<10	200	0.5	<2	9.8	0.6	9	18	31	2.50
CC108369		0.34	0.005	0.3	1.40	14	<10	260	0.6	<2	6.25	0.5	10	23	37	2.93
CC108370		0.34	0.003	0.4	1.04	15	<10	230	0.5	<2	8.2	1.3	9	19	39	2.65
CC108371		0.30	0.003	0.3	0.91	12	<10	190	<0.5	<2	8.9	0.8	8	16	30	2.31
CC108372		0.32	0.004	0.4	1.23	14	<10	270	0.5	<2	6.28	0.7	10	21	38	2.76
CC108373		0.26	0.004	0.4	1.21	13	<10	230	0.5	<2	7.2	0.6	9	20	33	2.67
CC108374		0.22	0.005	0.3	1.44	14	<10	310	0.6	<2	3.77	0.7	11	24	38	3.04
CC108375		0.30	0.003	0.3	1.07	13	<10	180	0.5	<2	6.95	0.5	8	19	28	2.52
CC108376		0.28	0.003	0.3	1.06	14	<10	220	0.5	<2	9.0	0.6	8	19	30	2.55
CC108377		0.22	0.002	0.3	0.94	13	<10	180	<0.5	<2	9.2	0.6	8	17	27	2.23
CC108378		0.26	0.001	0.3	0.84	10	<10	290	<0.5	<2	10.4	0.5	8	15	26	1.96
CC108379		0.24	0.003	0.3	1.04	13	<10	340	0.5	<2	10.1	0.6	8	17	29	2.36
CC108380		0.34	0.004	0.4	1.21	14	<10	300	0.5	<2	9.0	0.7	9	21	35	2.67
CC108381		0.32	0.003	0.3	1.38	15	<10	300	0.6	<2	6.46	0.8	11	24	39	2.86
CC108382		0.32	0.004	0.3	1.15	13	<10	200	0.5	<2	7.1	0.6	9	20	33	2.64
CC108383		0.28	0.002	0.3	1.03	11	<10	160	<0.5	<2	9.3	0.5	8	17	28	2.36
CC108384		0.22	0.001	0.2	0.75	8	<10	110	<0.5	<2	9.3	<0.5	6	14	20	2.00
CC108385		0.38	0.002	0.5	1.42	17	<10	320	0.6	<2	6.49	1.0	12	28	44	3.11
CC108386		0.34	0.003	0.4	1.27	14	<10	340	0.5	<2	8.8	0.9	11	26	38	2.87
CC108387		0.30	0.003	0.5	1.25	13	<10	320	0.5	<2	7.1	1.0	11	23	39	2.75
CC108388		0.30	0.003	0.4	1.32	18	<10	240	0.5	<2	6.67	0.9	11	25	40	2.87
CC108389		0.32	0.002	<0.2	1.20	18	<10	260	0.5	2	8.4	0.8	10	23	41	2.64
CC108390		0.30	0.004	0.3	1.24	24	<10	290	0.5	2	5.76	0.9	11	25	39	2.78
CC108391		0.32	0.003	0.2	1.18	11	<10	270	0.5	3	6.94	0.9	10	23	36	2.60
CC108392		0.30	0.003	0.3	1.04	12	<10	290	0.5	3	6.35	1.0	11	22	35	2.49
CC108393		0.40	0.003	<0.2	1.20	16	<10	290	0.5	<2	5.04	0.9	11	25	37	2.76
CC108394		0.30	0.003	0.3	1.30	16	<10	290	0.6	2	4.87	1.0	12	28	42	2.92
CC108395		0.36	0.003	0.3	1.10	11	<10	350	0.5	3	8.9	0.8	9	20	32	2.45
CC108396		0.24	0.002	0.3	1.17	17	<10	280	0.5	2	3.51	1.2	11	23	37	2.87
CC108397		0.26	0.003	0.3	1.54	14	<10	350	0.7	3	2.75	0.9	12	30	39	3.16
CC108398		0.32	0.005	0.2	1.28	12	<10	310	0.6	<2	7.6	0.7	10	24	36	2.80
CC108399		0.30	0.004	0.3	1.14	14	<10	290	0.5	2	8.7	0.8	9	22	34	2.45
CC108400		0.36	0.004	<0.2	1.19	11	<10	290	0.5	3	8.3	0.8	11	27	39	2.61
CC108401		0.30	0.005	0.3	1.40	15	<10	200	0.5	2	7.9	0.7	12	31	44	2.88
CC108402		0.24	0.005	0.4	1.50	16	<10	310	0.7	2	3.76	0.8	12	28	41	3.17
CC108403		0.32	0.005	0.3	1.22	10	<10	240	0.5	2	8.1	0.7	9	22	34	2.60
CC108404		0.28	0.005	0.2	1.19	13	<10	270	0.6	2	8.9	0.7	10	20	35	2.59

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7- SEP- 2010
Account: RCM

Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10119666

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC108365		<10	<1	0.16	10	2.62	850	1	0.02	37	830	31	0.05	<2	4	52
CC108366		<10	<1	0.17	10	3.12	820	1	0.03	36	790	32	0.03	<2	4	75
CC108367		<10	1	0.17	10	2.82	817	1	0.03	33	790	32	0.03	<2	4	68
CC108368		<10	<1	0.15	10	3.81	735	1	0.02	25	680	28	0.02	<2	4	106
CC108369		<10	<1	0.16	10	3.29	846	1	0.02	31	730	33	0.02	<2	4	67
CC108370		<10	<1	0.13	10	3.26	686	2	0.02	36	750	27	0.03	2	3	95
CC108371		<10	<1	0.11	10	3.64	629	2	0.02	27	650	25	0.02	<2	3	91
CC108372		<10	1	0.13	10	3.07	740	1	0.02	32	780	30	0.02	<2	4	73
CC108373		<10	<1	0.15	10	3.35	758	1	0.02	27	720	32	0.02	<2	4	74
CC108374		<10	<1	0.16	10	2.13	905	1	0.03	31	840	35	0.04	<2	4	41
CC108375		<10	<1	0.13	10	3.52	683	1	0.02	24	680	25	0.03	<2	3	68
CC108376		<10	<1	0.16	10	3.80	697	1	0.03	24	680	27	0.15	<2	3	94
CC108377		<10	<1	0.14	10	3.79	662	1	0.03	22	650	23	0.14	<2	3	94
CC108378		<10	<1	0.13	10	4.23	644	2	0.03	20	670	24	0.12	<2	3	110
CC108379		<10	<1	0.19	10	3.99	736	1	0.03	23	650	27	0.03	<2	3	113
CC108380		<10	<1	0.18	10	3.50	784	1	0.02	29	690	31	0.02	<2	4	100
CC108381		<10	<1	0.18	10	2.96	795	1	0.02	30	780	32	0.02	<2	4	76
CC108382		<10	<1	0.14	10	3.33	754	1	0.02	28	700	29	0.02	<2	4	70
CC108383		<10	<1	0.15	10	3.81	683	1	0.02	23	650	24	0.02	<2	3	94
CC108384		<10	<1	0.10	10	4.21	609	1	0.02	17	610	16	0.02	<2	2	87
CC108385		<10	<1	0.19	10	3.45	790	2	0.03	39	820	33	0.03	<2	4	73
CC108386		<10	<1	0.15	10	3.61	768	2	0.03	33	760	29	0.02	<2	4	98
CC108387		<10	<1	0.13	10	3.23	870	1	0.02	34	790	30	0.03	<2	4	74
CC108388		<10	<1	0.16	10	3.18	833	2	0.02	35	840	31	0.02	<2	4	73
CC108389		<10	<1	0.15	10	3.36	739	2	0.02	36	740	33	0.01	<2	4	96
CC108390		<10	<1	0.14	20	2.93	750	1	0.02	34	830	29	0.01	<2	4	69
CC108391		<10	<1	0.15	20	3.14	737	1	0.02	33	740	30	0.01	<2	4	81
CC108392		<10	<1	0.13	10	3.03	993	2	0.02	30	760	27	0.01	<2	3	78
CC108393		<10	<1	0.13	20	2.83	752	1	0.02	33	800	29	0.02	<2	4	67
CC108394		<10	<1	0.14	10	2.44	736	1	0.02	37	840	29	0.02	<2	4	60
CC108395		<10	<1	0.19	10	3.63	731	1	0.02	28	670	30	0.01	<2	4	99
CC108396		<10	<1	0.12	10	2.15	890	1	0.02	35	840	31	0.03	<2	3	37
CC108397		10	<1	0.18	20	1.81	616	1	0.02	35	810	36	0.03	<2	5	37
CC108398		<10	<1	0.15	20	3.46	774	1	0.02	31	730	33	0.01	<2	4	87
CC108399		<10	<1	0.17	10	3.64	710	1	0.03	30	690	28	0.01	<2	4	96
CC108400		<10	<1	0.15	10	3.32	695	1	0.02	35	690	27	0.01	<2	4	97
CC108401		<10	<1	0.17	20	3.30	746	1	0.02	38	770	28	0.01	<2	5	100
CC108402		<10	<1	0.15	20	2.15	752	1	0.02	35	800	35	0.02	<2	4	43
CC108403		<10	<1	0.16	20	3.44	753	1	0.02	29	700	32	0.01	<2	4	88
CC108404		<10	<1	0.15	10	3.56	735	1	0.02	30	670	34	0.01	<2	4	97

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Account: RCM

Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10119666

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC108365		<20	0.03	<10	<10	48	<10	150
CC108366		<20	0.03	<10	<10	49	<10	146
CC108367		<20	0.03	<10	<10	49	<10	136
CC108368		<20	0.02	<10	<10	36	<10	118
CC108369		<20	0.02	<10	<10	45	<10	131
CC108370		<20	0.02	<10	<10	37	<10	168
CC108371		<20	0.02	<10	<10	33	<10	131
CC108372		<20	0.02	<10	<10	42	<10	144
CC108373		<20	0.02	<10	<10	40	<10	126
CC108374		<20	0.02	<10	<10	46	<10	140
CC108375		<20	0.02	<10	<10	37	<10	115
CC108376		<20	0.02	<10	<10	36	<10	128
CC108377		<20	0.02	<10	<10	34	<10	113
CC108378		<20	0.02	<10	<10	31	<10	105
CC108379		<20	0.02	<10	<10	35	<10	120
CC108380		<20	0.03	<10	<10	41	<10	141
CC108381		<20	0.02	<10	<10	46	<10	151
CC108382		<20	0.02	<10	<10	40	<10	132
CC108383		<20	0.02	<10	<10	36	<10	115
CC108384		<20	0.02	<10	<10	29	<10	89
CC108385		<20	0.03	<10	<10	49	<10	173
CC108386		<20	0.03	<10	<10	45	<10	151
CC108387		<20	0.02	<10	<10	45	<10	174
CC108388		<20	0.04	<10	<10	47	<10	156
CC108389		<20	0.03	<10	<10	42	<10	144
CC108390		<20	0.03	<10	<10	46	<10	144
CC108391		<20	0.03	<10	<10	43	<10	140
CC108392		<20	0.03	<10	<10	41	<10	140
CC108393		<20	0.03	<10	<10	43	<10	140
CC108394		<20	0.03	<10	<10	47	<10	152
CC108395		<20	0.03	<10	<10	39	<10	136
CC108396		<20	0.02	<10	<10	44	<10	156
CC108397		<20	0.02	<10	<10	51	<10	170
CC108398		<20	0.02	<10	<10	42	<10	137
CC108399		<20	0.03	<10	<10	41	<10	133
CC108400		<20	0.04	<10	<10	44	<10	141
CC108401		<20	0.04	<10	<10	49	<10	140
CC108402		<20	0.02	<10	<10	50	<10	151
CC108403		<20	0.02	<10	<10	41	<10	132
CC108404		<20	0.02	<10	<10	40	<10	137

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Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10119666

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC108405		0.36	0.005	0.2	1.09	9	<10	220	0.5	4	9.3	0.7	8	18	30	2.37
CC108406		0.36	0.003	<0.2	0.66	8	<10	90	<0.5	3	9.5	<0.5	5	12	17	1.74
CC108407		0.42	0.004	<0.2	0.91	10	<10	190	<0.5	2	8.1	0.5	7	16	24	2.11
CC108408		0.24	0.003	0.2	0.99	14	<10	190	<0.5	4	6.49	0.6	8	17	25	2.22
CC108409		0.28	0.002	0.3	0.96	13	<10	230	<0.5	3	9.7	0.7	8	16	26	2.17
CC108410		0.30	0.003	<0.2	1.00	9	<10	240	<0.5	2	10.1	0.6	8	17	28	2.25
CC108411		0.28	0.004	<0.2	0.87	8	<10	120	<0.5	2	7.8	<0.5	6	15	19	1.97
CC108416		0.32	0.004	<0.2	0.65	14	<10	210	<0.5	3	11.2	<0.5	11	12	15	2.23
CC108417		0.30	0.006	<0.2	0.64	20	<10	110	<0.5	2	12.1	<0.5	8	12	16	2.28
CC108418		0.22	0.004	0.2	1.03	19	<10	210	0.5	2	5.46	0.8	9	19	29	3.18
CC108419		0.34	0.004	0.2	1.23	13	<10	320	0.5	3	7.2	0.7	10	21	35	2.68
CC108420		0.32	0.004	0.4	1.27	13	<10	330	0.5	3	4.61	0.8	11	24	38	2.78
CC108421		0.36	0.004	0.4	1.43	13	<10	320	0.6	2	5.75	0.9	12	25	47	2.99
CC108422		0.28	0.007	0.3	1.23	12	<10	440	0.5	2	4.38	1.1	11	24	42	2.82
CC108423		0.30	0.004	0.4	1.20	12	<10	270	0.5	2	5.15	0.9	10	24	37	2.74
CC108424		0.24	0.003	0.3	1.46	12	<10	240	0.5	4	5.31	0.6	14	40	45	2.94
CC108425		0.32	0.004	0.3	1.31	12	<10	260	0.5	<2	3.83	1.2	12	27	45	3.10
CC108426		0.28	0.004	0.2	1.09	13	<10	270	0.5	2	5.76	1.0	10	21	40	2.77
CC108427		0.20	0.002	0.5	1.63	16	<10	870	0.8	<2	0.33	0.9	9	31	49	3.24
CC108428		0.22	0.016	1.0	0.47	22	<10	450	<0.5	2	4.55	2.4	10	12	88	3.08
CC108429		0.38	0.006	0.2	1.30	12	<10	390	0.5	<2	5.88	0.8	12	40	44	2.88
CC108430		0.16	0.008	0.4	1.01	23	<10	320	0.5	<2	1.80	6.0	11	24	66	2.65
CC108431		0.18	0.012	0.4	1.16	33	<10	310	0.5	<2	2.15	1.8	12	23	51	2.90
CC108432		0.24	0.005	0.2	1.64	16	<10	230	0.5	<2	1.80	0.8	16	37	57	3.83
CC108433		0.16	0.005	<0.2	1.51	14	<10	260	0.5	<2	1.87	0.7	13	30	53	3.43
CC108434		0.30	0.009	0.3	1.61	20	<10	230	0.5	<2	2.20	1.1	16	33	70	4.32
CC108435		0.24	0.009	0.4	1.78	32	<10	260	0.5	<2	2.54	0.7	17	43	64	4.24
CC108436		0.26	0.006	<0.2	1.78	32	<10	230	0.5	<2	1.27	0.6	17	45	57	4.15
CC108437		0.20	0.007	0.2	1.21	21	<10	210	<0.5	<2	2.80	1.0	16	44	69	3.38
CC108438		0.22	0.005	0.3	1.28	49	<10	380	0.5	<2	2.70	2.4	15	29	76	3.86
CC108439		0.28	0.004	1.0	0.66	34	<10	270	0.5	<2	1.85	11.1	9	47	129	2.52
CC108440		0.12	0.003	0.9	1.02	16	<10	270	<0.5	<2	2.37	2.6	11	26	51	3.17
CC108441		0.16	0.007	0.5	1.21	11	<10	420	0.5	<2	2.62	1.8	11	27	38	2.83
CC108442		0.30	0.004	0.4	0.92	12	<10	280	<0.5	<2	9.4	1.0	12	31	45	3.05
CC108443		0.28	0.004	<0.2	1.44	16	<10	340	0.5	<2	3.50	0.9	13	32	51	3.49
CC108444		0.20	0.004	0.3	1.65	8	<10	280	0.5	<2	4.39	0.9	16	45	61	3.56
CC108445		0.36	0.004	0.2	0.93	11	<10	180	<0.5	<2	7.8	0.6	10	18	37	2.54
CC108446		0.28	0.004	0.3	1.21	13	<10	180	0.5	2	5.16	0.7	10	22	36	2.89
CC108447		0.30	0.004	0.3	1.35	8	<10	330	0.6	<2	3.86	0.9	10	25	40	2.77
CC108448		0.20	0.004	0.2	1.24	9	<10	490	0.6	<2	4.08	1.2	8	24	43	2.51

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CERTIFICATE OF ANALYSIS VA10119666

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC108405		<10	<1	0.16	10	3.81	695	1	0.02	25	650	26	0.01	<2	4	100
CC108406		<10	<1	0.10	10	4.65	531	<1	0.02	17	570	15	0.01	<2	2	86
CC108407		<10	<1	0.12	10	3.87	636	<1	0.02	23	660	23	0.01	<2	3	76
CC108408		<10	<1	0.13	10	3.28	643	<1	0.02	23	690	26	0.01	<2	3	65
CC108409		<10	<1	0.14	10	4.09	656	<1	0.03	23	640	26	0.01	<2	3	101
CC108410		<10	<1	0.16	10	4.05	669	1	0.02	24	650	29	0.01	<2	3	106
CC108411		<10	<1	0.11	10	4.10	545	<1	0.02	20	560	17	0.01	<2	3	68
CC108416		<10	<1	0.11	10	4.22	797	2	0.03	21	540	17	0.50	<2	2	123
CC108417		<10	<1	0.10	10	4.56	495	4	0.01	19	590	19	1.66	<2	2	127
CC108418		<10	<1	0.14	10	3.20	528	<1	0.02	24	730	29	0.17	<2	3	59
CC108419		<10	<1	0.17	10	3.33	754	1	0.03	30	750	33	0.03	<2	4	83
CC108420		<10	<1	0.13	10	2.69	820	1	0.02	31	800	33	0.03	<2	4	54
CC108421		<10	<1	0.20	20	2.92	953	1	0.02	39	790	37	0.02	<2	4	72
CC108422		<10	<1	0.14	10	2.34	1060	1	0.03	36	900	30	0.06	<2	3	54
CC108423		<10	<1	0.16	20	3.10	642	1	0.03	33	750	30	0.02	<2	4	55
CC108424		<10	<1	0.13	20	3.40	657	<1	0.02	53	760	30	0.02	<2	4	57
CC108425		<10	<1	0.14	20	2.50	763	2	0.02	44	870	32	0.02	<2	4	41
CC108426		<10	<1	0.12	20	2.81	659	2	0.02	39	800	27	0.01	<2	3	72
CC108427		<10	<1	0.10	20	0.34	196	9	0.02	46	310	19	0.01	<2	3	14
CC108428		<10	<1	0.14	20	0.25	241	17	0.02	86	1040	15	0.05	2	2	214
CC108429		<10	<1	0.16	20	3.25	743	2	0.02	38	1060	28	0.02	2	5	82
CC108430		<10	<1	0.12	10	0.70	627	6	0.01	72	930	55	0.07	10	3	38
CC108431		<10	1	0.12	10	0.81	638	4	0.01	48	910	46	0.09	12	3	43
CC108432		<10	1	0.14	20	1.48	686	3	0.01	47	920	27	0.03	3	4	32
CC108433		<10	<1	0.14	20	0.99	699	2	0.01	41	840	25	0.06	<2	3	39
CC108434		<10	<1	0.16	20	1.80	713	4	0.01	55	990	30	0.02	<2	4	36
CC108435		10	<1	0.14	20	2.06	662	3	0.01	59	940	36	0.02	7	5	41
CC108436		10	<1	0.12	20	1.48	731	3	<0.01	59	890	42	0.02	5	5	29
CC108437		<10	<1	0.12	20	1.49	672	4	0.01	53	1000	48	0.05	10	3	45
CC108438		<10	1	0.14	20	1.80	586	14	0.01	82	1100	84	0.03	19	4	44
CC108439		<10	1	0.14	20	0.82	321	56	<0.01	265	1820	61	0.05	16	3	44
CC108440		<10	<1	0.19	10	0.77	376	12	0.01	80	870	16	0.09	4	2	77
CC108441		<10	<1	0.11	10	0.58	270	7	0.01	53	550	15	0.09	5	3	85
CC108442		<10	<1	0.12	10	3.72	540	8	0.02	50	1520	19	0.05	<2	3	124
CC108443		<10	<1	0.15	20	1.87	627	4	0.01	45	850	26	0.02	<2	4	58
CC108444		<10	<1	0.16	10	2.44	752	3	0.01	58	840	31	0.02	<2	4	69
CC108445		<10	<1	0.13	10	4.34	668	2	0.01	25	870	34	0.02	3	3	53
CC108446		10	<1	0.15	20	2.91	629	2	0.01	28	900	33	0.01	<2	4	49
CC108447		<10	<1	0.17	10	2.27	556	2	0.01	31	840	33	0.04	2	4	43
CC108448		<10	<1	0.14	10	1.93	900	2	0.01	28	910	32	0.11	2	3	53

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7- SEP- 2010
Account: RCM

Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10119666

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC108405		<20	0.02	<10	<10	37	<10	122
CC108406		<20	0.02	<10	<10	25	<10	84
CC108407		<20	0.02	<10	<10	32	<10	103
CC108408		<20	0.02	<10	<10	35	<10	109
CC108409		<20	0.02	<10	<10	33	<10	111
CC108410		<20	0.02	<10	<10	34	<10	117
CC108411		<20	0.02	<10	<10	31	<10	84
CC108416		<20	0.02	<10	<10	25	<10	95
CC108417		<20	0.02	<10	<10	25	<10	83
CC108418		<20	0.02	<10	<10	35	<10	138
CC108419		<20	0.02	<10	<10	41	<10	140
CC108420		<20	0.03	<10	<10	44	<10	150
CC108421		<20	0.03	<10	<10	47	<10	155
CC108422		<20	0.02	<10	<10	42	<10	161
CC108423		<20	0.02	<10	<10	42	<10	152
CC108424		<20	0.04	<10	<10	47	<10	138
CC108425		<20	0.03	<10	<10	47	<10	178
CC108426		<20	0.02	<10	<10	40	<10	161
CC108427		<20	0.02	<10	<10	92	<10	202
CC108428		<20	<0.01	<10	<10	43	<10	287
CC108429		<20	0.10	<10	<10	56	<10	141
CC108430		<20	0.02	<10	<10	62	<10	500
CC108431		<20	0.02	<10	<10	40	<10	259
CC108432		<20	0.03	<10	<10	49	<10	159
CC108433		<20	0.02	<10	<10	42	<10	131
CC108434		<20	0.04	<10	<10	50	<10	195
CC108435		<20	0.04	<10	<10	51	<10	167
CC108436		<20	0.04	<10	<10	50	<10	155
CC108437		<20	0.03	<10	<10	44	<10	157
CC108438		<20	0.03	<10	<10	56	<10	306
CC108439		<20	0.01	<10	<10	224	10	1350
CC108440		<20	0.02	<10	<10	73	<10	314
CC108441		<20	0.02	<10	<10	65	<10	151
CC108442		<20	0.04	<10	<10	44	<10	162
CC108443		<20	0.04	<10	<10	53	<10	167
CC108444		<20	0.05	<10	<10	54	<10	154
CC108445		<20	0.02	<10	<10	33	<10	137
CC108446		<20	0.03	<10	<10	42	<10	143
CC108447		<20	0.02	<10	<10	45	<10	157
CC108448		<20	0.02	<10	<10	42	<10	167

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1016- 510 W HASTINGS ST
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Finalized Date: 7- SEP- 2010
Account: RCM

Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10119666

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC108449		0.26	0.004	0.4	1.36	15	<10	370	0.6	<2	4.79	1.0	10	25	39	2.90
CC108450		0.36	0.005	0.3	1.14	15	<10	340	0.5	<2	8.1	0.8	10	21	35	2.79
CC108451		0.16	0.004	<0.2	0.90	12	<10	300	<0.5	<2	9.8	1.0	7	16	32	2.28
CC108452		0.24	0.004	<0.2	0.93	15	<10	210	<0.5	<2	8.8	0.7	8	17	29	2.43
CC108453		0.34	0.004	0.2	1.10	18	<10	350	0.5	<2	9.9	0.7	10	19	34	2.46
CC108454		0.28	0.003	<0.2	0.71	11	<10	320	<0.5	<2	10.1	0.6	8	14	23	2.04
CC108455		0.34	0.006	0.2	0.80	7	<10	330	<0.5	<2	10.1	0.6	8	15	25	2.06
CC108456		0.28	0.004	0.2	0.83	8	<10	150	<0.5	<2	7.9	0.7	7	15	26	1.85
CC108457		0.24	0.004	<0.2	0.75	10	<10	140	<0.5	<2	8.5	0.7	7	14	19	1.71
CC108458		0.28	0.003	<0.2	1.02	10	<10	220	0.5	<2	8.7	0.6	8	17	28	2.42
CC108459		0.26	0.003	<0.2	1.18	12	<10	230	0.5	<2	5.12	<0.5	9	21	29	2.69
CC108460		0.28	0.003	0.2	1.00	15	<10	150	<0.5	<2	8.7	0.6	8	17	27	2.41
CC108461		0.22	0.005	<0.2	1.15	14	<10	210	0.5	<2	7.6	0.6	9	20	32	2.67
CC108462		0.24	0.004	<0.2	1.41	11	<10	280	0.6	<2	3.64	0.7	10	24	33	2.91
CC108463		0.24	0.005	<0.2	1.25	11	<10	270	0.6	<2	6.26	0.7	9	21	38	2.66
CC108464		0.32	0.004	0.2	1.25	10	<10	300	0.6	<2	5.89	0.8	10	21	36	2.75
CC108465		0.24	0.008	0.4	1.29	13	<10	320	0.6	<2	5.16	0.6	11	22	39	2.95
CC108466		Not Recvd														
CC108467		0.40	0.005	0.3	1.07	9	<10	160	<0.5	<2	9.0	<0.5	10	17	30	2.63
CC108468		0.32	0.004	0.4	1.34	10	<10	220	0.6	<2	8.5	0.5	11	21	39	2.83
CC108469		0.32	0.005	0.5	1.17	14	<10	250	0.5	<2	7.6	0.5	11	20	32	2.60
CC108470		0.36	0.005	0.5	1.42	15	<10	300	0.6	<2	5.49	0.6	12	24	37	3.04
CC108471		0.32	0.006	0.4	1.57	13	<10	340	0.7	<2	3.58	0.8	13	27	40	3.34
CC108472		0.36	0.004	0.5	1.22	11	<10	240	0.6	<2	5.35	<0.5	11	21	31	2.77
CC108473		0.30	0.004	0.5	1.24	13	<10	280	0.6	<2	7.2	0.5	11	22	34	2.76
CC108474		0.28	0.005	0.4	1.54	14	<10	380	0.7	<2	2.96	0.7	12	26	40	3.23
CC108475		0.34	0.003	0.3	1.16	10	<10	300	0.5	<2	8.0	0.6	10	21	34	2.62
CC108476		0.36	0.005	0.3	1.06	9	<10	290	0.5	<2	8.2	0.5	10	19	30	2.42
CC108477		0.30	0.004	0.3	1.16	13	<10	270	0.6	<2	6.45	0.5	11	20	32	2.73
CC108478		0.22	0.005	0.5	1.25	12	<10	270	0.6	<2	6.07	0.5	11	21	33	2.81
CC108479		0.24	0.008	0.4	1.22	11	<10	270	0.5	<2	6.06	0.5	10	21	32	2.78
CC108480		0.26	0.005	0.4	1.28	12	<10	290	0.6	<2	4.70	0.7	11	22	34	2.93
CC108481		0.32	0.005	0.3	1.32	12	<10	280	0.6	<2	3.52	0.7	11	23	34	3.04
CC108482		0.30	0.007	0.5	1.29	10	<10	340	0.6	<2	3.23	0.6	11	24	32	2.88
CC108483		0.34	0.004	0.6	1.08	9	<10	310	0.5	<2	10.0	0.7	9	18	29	2.41
CC108484		0.36	0.007	0.3	1.05	9	<10	200	0.5	<2	8.6	0.5	9	19	31	2.41
CC108485		0.28	0.004	0.3	0.77	8	<10	180	<0.5	<2	10.1	0.5	8	14	23	1.93
CC108486		0.34	0.004	0.4	0.83	10	<10	150	<0.5	<2	7.6	0.6	9	16	23	2.09
CC108487		0.36	0.004	0.4	0.90	12	<10	140	<0.5	<2	7.6	0.7	8	17	22	2.08
CC108488		0.30	0.004	0.4	0.89	8	<10	190	<0.5	<2	8.3	0.6	8	16	27	2.32

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Finalized Date: 7- SEP- 2010
Account: RCM

Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10119666

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC108449		<10	<1	0.18	10	2.81	813	2	0.01	29	830	33	0.05	4	4	48
CC108450		<10	<1	0.15	10	3.48	1020	2	0.01	25	760	28	0.03	<2	4	83
CC108451		<10	<1	0.15	10	2.36	1285	1	0.02	20	770	21	0.20	3	2	98
CC108452		<10	<1	0.14	10	3.88	531	1	0.02	19	660	24	0.09	<2	3	89
CC108453		<10	<1	0.21	10	3.90	680	2	0.02	22	670	24	0.02	2	4	107
CC108454		<10	<1	0.11	10	4.40	538	2	0.01	16	610	22	0.02	2	3	99
CC108455		<10	<1	0.12	10	4.16	627	1	0.01	18	640	22	0.03	<2	3	104
CC108456		<10	1	0.11	10	3.82	631	1	0.01	18	610	23	0.15	<2	3	75
CC108457		<10	1	0.10	10	4.38	502	1	0.01	16	660	19	0.10	<2	2	69
CC108458		<10	<1	0.14	10	3.72	690	2	0.01	20	610	26	0.01	<2	3	82
CC108459		<10	<1	0.12	10	2.96	623	2	0.01	25	620	22	0.01	2	4	49
CC108460		<10	<1	0.12	10	3.92	632	2	0.01	20	650	19	0.01	<2	3	89
CC108461		<10	<1	0.13	10	3.66	703	1	0.01	24	690	27	0.01	<2	4	73
CC108462		<10	<1	0.17	10	2.38	566	2	0.02	26	830	30	0.03	2	4	34
CC108463		<10	<1	0.17	10	3.01	636	2	0.02	26	700	30	0.03	<2	4	71
CC108464		<10	<1	0.15	10	3.17	801	2	0.01	25	730	29	0.02	<2	4	60
CC108465		<10	<1	0.14	10	2.61	785	2	0.02	28	730	33	0.03	<2	3	57
CC108466																
CC108467		<10	<1	0.13	10	3.97	717	1	0.02	19	620	27	0.02	<2	3	89
CC108468		<10	<1	0.16	10	3.79	763	2	0.02	26	720	33	0.01	<2	4	92
CC108469		<10	<1	0.12	10	3.63	689	1	0.02	22	680	27	0.02	<2	4	79
CC108470		<10	<1	0.16	10	2.83	792	2	0.02	28	710	32	0.02	<2	4	61
CC108471		<10	<1	0.16	10	2.33	885	1	0.02	30	750	37	0.02	<2	4	39
CC108472		<10	<1	0.12	10	3.11	727	1	0.02	24	670	29	0.02	<2	4	49
CC108473		<10	<1	0.15	10	3.40	693	2	0.02	26	740	30	0.02	<2	4	74
CC108474		<10	<1	0.16	10	1.78	674	1	0.02	29	850	35	0.03	<2	4	38
CC108475		<10	<1	0.15	10	3.63	724	2	0.02	24	680	30	0.01	<2	4	82
CC108476		<10	<1	0.12	10	3.65	666	1	0.02	22	690	25	0.01	<2	4	85
CC108477		<10	<1	0.13	10	3.44	824	1	0.02	24	720	30	0.02	2	4	62
CC108478		<10	<1	0.16	10	3.27	795	1	0.02	24	720	30	0.03	<2	4	59
CC108479		<10	<1	0.13	10	3.06	673	1	0.03	22	710	27	0.02	<2	4	62
CC108480		<10	<1	0.15	10	2.93	907	1	0.03	25	800	31	0.03	3	4	39
CC108481		<10	<1	0.13	10	2.23	705	1	0.02	24	810	28	0.03	<2	4	35
CC108482		<10	<1	0.12	10	1.84	801	1	0.02	26	890	26	0.04	<2	3	38
CC108483		<10	<1	0.14	10	3.90	667	1	0.02	21	650	26	0.01	<2	3	105
CC108484		<10	<1	0.14	10	3.96	636	1	0.02	22	710	22	0.02	<2	3	93
CC108485		<10	<1	0.09	10	4.42	574	1	0.02	15	610	20	0.01	<2	3	101
CC108486		<10	<1	0.10	10	4.21	500	1	0.02	18	660	22	0.11	<2	3	63
CC108487		<10	<1	0.13	10	4.13	494	1	0.03	17	700	21	0.14	<2	3	70
CC108488		<10	<1	0.11	10	3.97	608	1	0.02	18	650	25	0.09	<2	3	84

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CERTIFICATE OF ANALYSIS VA10119666

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC108449		<20	0.02	<10	<10	47	<10	171
CC108450		<20	0.03	<10	<10	42	<10	142
CC108451		<20	0.01	<10	<10	28	<10	104
CC108452		<20	0.02	<10	<10	33	<10	122
CC108453		<20	0.03	<10	<10	39	10	125
CC108454		<20	0.02	<10	<10	29	<10	98
CC108455		<20	0.02	<10	<10	30	<10	99
CC108456		<20	0.02	<10	<10	31	<10	108
CC108457		<20	0.02	<10	<10	30	<10	88
CC108458		<20	0.02	<10	<10	36	<10	108
CC108459		<20	0.03	<10	<10	41	<10	96
CC108460		<20	0.02	<10	<10	36	<10	96
CC108461		<20	0.02	<10	<10	41	<10	113
CC108462		<20	0.02	<10	<10	49	<10	134
CC108463		<20	0.02	<10	<10	43	<10	133
CC108464		<20	0.02	<10	<10	42	<10	125
CC108465		<20	0.02	<10	<10	41	<10	123
CC108466								
CC108467		<20	0.02	<10	<10	35	<10	110
CC108468		<20	0.02	<10	<10	43	<10	134
CC108469		<20	0.02	<10	<10	38	<10	110
CC108470		<20	0.02	<10	<10	46	<10	135
CC108471		<20	0.02	<10	<10	50	<10	149
CC108472		<20	0.02	<10	<10	41	<10	116
CC108473		<20	0.02	<10	<10	41	<10	137
CC108474		<20	0.01	<10	<10	50	<10	153
CC108475		<20	0.02	<10	<10	39	<10	132
CC108476		<20	0.02	<10	<10	37	<10	110
CC108477		<20	0.02	<10	<10	40	<10	122
CC108478		<20	0.01	<10	<10	40	<10	130
CC108479		<20	0.02	<10	<10	41	<10	114
CC108480		<20	0.01	<10	<10	42	<10	134
CC108481		<20	0.02	<10	<10	44	<10	143
CC108482		<20	0.02	<10	<10	43	<10	128
CC108483		<20	0.02	<10	<10	35	<10	118
CC108484		<20	0.02	<10	<10	38	<10	106
CC108485		<20	0.02	<10	<10	29	<10	92
CC108486		<20	0.02	<10	<10	32	<10	102
CC108487		<20	0.02	<10	<10	33	<10	103
CC108488		<20	0.02	<10	<10	31	<10	120

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CERTIFICATE OF ANALYSIS VA10119666

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC108489		0.38	0.004	0.5	1.28	12	<10	260	0.6	<2	8.5	0.6	10	21	34	2.78
CC108490		0.34	0.004	0.5	0.91	13	<10	160	<0.5	<2	9.8	0.7	9	16	29	2.24
CC108491		0.30	0.004	0.4	1.14	14	<10	200	0.5	<2	9.6	0.6	10	19	33	2.54

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7- SEP- 2010
Account: RCM

Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10119666

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC108489		<10	<1	0.18	10	3.50	762	2	0.03	25	720	29	0.02	<2	4	96
CC108490		<10	<1	0.12	10	4.34	643	1	0.03	19	660	25	0.01	<2	3	101
CC108491		<10	<1	0.18	10	4.02	724	2	0.03	25	710	28	0.01	<2	4	107

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Finalized Date: 7- SEP- 2010
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Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10119666

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC108489		<20	0.02	<10	<10	42	<10	133
CC108490		<20	0.02	<10	<10	33	<10	111
CC108491		<20	0.02	<10	<10	39	<10	129

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To: **ATAC RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 9- SEP- 2010
Account: RCM

CERTIFICATE VA10119669

Project: RAU (Kathy, Beaver)

P.O. No.:

This report is for 173 Soil samples submitted to our lab in Vancouver, BC, Canada on 26- AUG- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
PUL- 31	Pulverize split to 85% < 75 um
LOG- 21	Sample logging - ClientBarCode
SCR- 43	Screen to - 500um, discard plus
SCR- 01	Screen - Save plus fraction

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 9- SEP- 2010
Account: RCM

Project: RAU (Kathy, Beaver)

CERTIFICATE OF ANALYSIS VA10119669

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC44151		0.18	0.013	0.6	1.40	35	<10	340	0.6	<2	1.53	2.1	10	24	42	2.56
CC44152		0.24	0.013	0.5	1.49	32	<10	390	0.6	<2	1.18	1.4	11	27	46	3.00
CC44153		0.34	0.011	0.6	1.56	36	<10	350	0.7	<2	0.62	1.5	12	30	44	3.03
CC44154		0.38	0.007	0.5	1.47	49	<10	320	0.6	2	0.61	1.4	11	32	44	3.06
CC44155		0.34	0.008	0.5	1.55	45	<10	390	0.7	2	0.89	1.6	11	33	52	3.24
CC44156		0.22	0.009	0.5	1.50	28	<10	470	0.6	<2	1.48	2.9	12	32	58	2.34
CC44157		0.58	0.009	0.6	1.53	38	<10	410	0.6	<2	3.08	2.2	13	30	64	3.58
CC44158		0.38	0.008	0.5	1.70	38	<10	510	0.7	2	1.32	1.4	14	34	59	3.63
CC44159		0.20	0.006	0.5	1.45	29	<10	490	0.6	<2	1.58	0.8	11	29	45	2.86
CC44160		0.30	0.009	0.5	1.55	46	<10	410	0.7	<2	1.31	1.5	11	33	55	3.34
CC44161		0.26	0.010	0.5	1.56	38	<10	360	0.7	2	0.87	1.4	12	35	52	2.99
CC44162		0.18	0.007	0.5	1.40	23	<10	510	0.6	<2	1.59	2.4	10	26	46	2.43
CC44163		0.24	0.008	0.6	1.49	36	<10	390	0.6	<2	0.78	2.5	12	25	42	2.33
CC44164		0.20	0.011	0.7	1.65	42	<10	420	0.8	2	1.29	2.5	16	26	64	3.05
CC44165		0.22	0.007	0.3	1.79	58	<10	280	0.8	3	0.21	0.9	11	27	60	3.52
CC44166		0.20	0.005	0.6	1.45	47	<10	170	<0.5	<2	0.09	0.8	6	25	30	2.86
CC44167		0.26	0.009	1.0	1.50	32	<10	180	0.6	3	0.14	0.6	9	26	42	2.70
CC44168		0.22	0.011	0.4	1.35	34	<10	490	0.5	<2	0.97	1.3	20	38	44	3.91
CC44169		0.24	0.007	0.3	1.02	23	<10	320	<0.5	<2	2.62	1.1	11	23	39	2.91
CC44170		0.18	NSS	0.3	0.81	11	<10	790	<0.5	<2	2.91	0.9	6	14	27	1.88
CC44171		0.24	0.005	0.3	1.07	24	<10	330	<0.5	<2	3.14	2.6	10	24	37	2.70
CC44172		0.12	NSS	0.8	1.15	23	<10	260	0.5	<2	2.70	6.8	9	21	43	2.65
CC44173		0.22	0.043	0.4	1.07	16	<10	310	<0.5	<2	2.91	2.0	9	21	38	2.06
CC44174		0.34	0.006	0.5	1.66	23	<10	310	0.7	2	1.70	1.7	12	33	49	2.95
CC44175		0.20	0.018	0.4	0.86	27	<10	520	<0.5	<2	3.41	3.3	11	15	49	2.25
CC44176		0.28	0.007	0.8	1.71	39	<10	350	0.8	2	0.81	3.8	12	32	59	3.25
CC44177		0.18	0.004	1.1	1.68	25	<10	240	0.5	2	0.40	1.1	10	31	26	3.16
CC44178		0.24	0.006	<0.2	1.24	20	<10	130	<0.5	2	0.09	<0.5	6	23	19	2.87
CC44179		0.24	0.006	0.5	1.42	25	<10	270	0.6	<2	1.36	0.7	11	27	42	2.99
CC44180		0.10	NSS	0.6	0.73	18	<10	260	<0.5	2	3.27	2.9	6	14	32	1.88
CC44181		0.14	0.006	0.6	1.47	29	<10	270	0.5	2	3.29	6.6	10	24	45	2.69
CC44182		0.18	0.038	0.3	0.98	15	<10	270	<0.5	<2	3.71	4.6	7	18	43	1.79
CC44183		0.18	NSS	0.4	0.97	19	<10	320	<0.5	<2	3.39	5.6	6	17	48	2.12
CC44184		0.22	0.005	0.4	1.11	22	<10	340	0.5	<2	4.15	2.6	10	20	25	3.18
CC44185		0.36	0.008	0.4	1.14	25	<10	320	0.5	<2	3.36	1.6	12	24	51	3.04
CC44186		0.36	0.009	0.4	2.16	24	<10	310	0.7	<2	0.72	0.5	14	57	48	4.02
CC44187		0.28	0.013	0.3	1.50	29	<10	180	0.6	<2	0.64	0.6	12	31	43	3.79
CC44441		0.24	0.021	0.7	1.43	70	<10	330	0.7	3	0.82	16.4	10	29	74	2.87
CC44442		0.26	0.007	0.4	1.50	29	<10	300	0.6	2	1.17	4.6	10	30	37	2.82
CC44443		0.24	0.011	0.4	1.36	32	<10	250	0.6	4	5.08	1.5	8	25	38	2.43

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 9- SEP- 2010
Account: RCM

Project: RAU (Kathy, Beaver)

CERTIFICATE OF ANALYSIS VA10119669

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC44151		<10	<1	0.07	10	0.61	469	6	0.04	38	890	17	0.11	<2	2	48
CC44152		<10	<1	0.07	10	0.61	398	7	0.03	37	840	19	0.09	<2	3	35
CC44153		<10	<1	0.08	10	0.62	462	5	0.02	50	930	24	0.04	2	3	24
CC44154		<10	<1	0.10	10	0.70	371	5	0.03	47	940	33	0.02	<2	3	28
CC44155		<10	<1	0.11	10	0.79	492	5	0.03	50	800	32	0.04	2	4	29
CC44156		<10	<1	0.11	10	0.76	658	4	0.03	48	1000	29	0.10	<2	3	35
CC44157		<10	<1	0.21	10	1.98	970	6	0.03	54	1120	34	0.03	3	4	47
CC44158		10	<1	0.16	10	0.88	729	5	0.03	52	970	34	0.04	<2	4	34
CC44159		<10	<1	0.09	10	0.62	791	4	0.03	41	860	27	0.08	2	3	37
CC44160		<10	<1	0.14	10	0.97	550	5	0.03	51	800	34	0.05	<2	4	34
CC44161		<10	1	0.11	10	0.68	499	5	0.04	53	1070	35	0.04	2	4	32
CC44162		<10	<1	0.08	10	0.54	1190	5	0.03	37	1100	26	0.16	<2	3	43
CC44163		<10	1	0.08	10	0.53	1220	7	0.03	40	950	21	0.10	<2	3	31
CC44164		<10	<1	0.08	10	0.58	1370	9	0.04	55	1070	20	0.11	2	3	49
CC44165		<10	<1	0.10	10	0.60	233	8	0.03	66	790	23	0.04	2	2	27
CC44166		10	<1	0.07	10	0.34	176	5	0.02	28	460	22	0.01	<2	2	12
CC44167		<10	<1	0.05	10	0.48	297	5	0.02	38	630	25	0.01	2	3	15
CC44168		<10	1	0.09	10	0.64	2780	5	0.03	57	860	27	0.07	<2	3	29
CC44169		<10	<1	0.09	10	1.62	2350	4	0.03	43	1240	25	0.04	2	3	33
CC44170		<10	<1	0.05	10	0.45	3040	2	0.03	21	1140	18	0.15	2	1	51
CC44171		<10	1	0.10	10	1.93	806	4	0.04	41	1200	25	0.03	2	2	44
CC44172		<10	<1	0.10	10	0.49	648	3	0.04	44	880	132	0.12	<2	2	48
CC44173		<10	<1	0.10	10	0.51	440	2	0.04	38	910	21	0.13	2	2	51
CC44174		<10	<1	0.10	10	0.73	524	4	0.05	54	1250	26	0.08	<2	3	44
CC44175		<10	<1	0.05	<10	0.46	769	4	0.05	46	1320	15	0.21	3	1	62
CC44176		<10	<1	0.13	10	0.70	446	5	0.04	60	840	33	0.04	3	4	32
CC44177		10	<1	0.10	10	0.45	365	4	0.02	33	390	25	0.01	2	3	17
CC44178		<10	<1	0.06	10	0.27	212	4	0.02	23	190	23	<0.01	<2	2	9
CC44179		<10	<1	0.13	10	0.57	539	3	0.03	44	870	22	0.04	<2	3	33
CC44180		<10	<1	0.07	10	0.40	404	4	0.03	33	690	31	0.12	<2	1	43
CC44181		<10	<1	0.12	10	0.80	504	7	0.06	57	1620	41	0.08	2	2	105
CC44182		<10	<1	0.08	10	0.51	321	2	0.04	40	1000	23	0.15	<2	1	63
CC44183		<10	<1	0.07	<10	0.41	1875	12	0.04	41	1030	26	0.37	2	1	59
CC44184		<10	<1	0.08	10	2.18	1600	4	0.04	33	980	26	0.11	<2	2	51
CC44185		<10	<1	0.12	10	2.08	363	4	0.04	44	1300	27	0.11	3	3	54
CC44186		10	<1	0.10	10	1.03	822	3	0.05	51	1330	28	0.02	<2	6	30
CC44187		<10	<1	0.09	10	0.85	742	4	0.03	40	1090	28	0.02	2	4	20
CC44441		<10	<1	0.09	10	0.66	447	13	0.04	329	720	41	0.03	6	3	33
CC44442		<10	1	0.07	10	0.67	632	8	0.03	120	530	33	0.03	<2	3	27
CC44443		<10	<1	0.09	10	3.63	461	4	0.04	40	720	31	0.01	<2	3	47

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 9- SEP- 2010
Account: RCM

Project: RAU (Kathy, Beaver)

CERTIFICATE OF ANALYSIS VA10119669

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC44151		<20	0.03	<10	<10	53	<10	176
CC44152		<20	0.03	<10	<10	59	<10	144
CC44153		<20	0.03	<10	<10	64	<10	314
CC44154		<20	0.04	<10	<10	71	<10	260
CC44155		<20	0.04	<10	<10	75	<10	244
CC44156		<20	0.03	<10	<10	66	<10	228
CC44157		<20	0.04	<10	<10	59	<10	240
CC44158		<20	0.03	<10	<10	67	<10	220
CC44159		<20	0.03	<10	<10	66	<10	146
CC44160		<20	0.03	<10	<10	74	<10	245
CC44161		<20	0.04	<10	<10	71	<10	223
CC44162		<20	0.02	<10	<10	54	<10	154
CC44163		<20	0.03	<10	<10	53	<10	156
CC44164		<20	0.03	<10	<10	55	<10	166
CC44165		<20	0.04	<10	<10	68	<10	175
CC44166		<20	0.03	<10	<10	68	<10	119
CC44167		<20	0.04	<10	<10	58	<10	147
CC44168		<20	0.03	<10	<10	56	<10	186
CC44169		<20	0.03	<10	<10	43	<10	149
CC44170		<20	0.01	<10	10	28	<10	64
CC44171		<20	0.03	<10	<10	49	<10	192
CC44172		<20	0.02	<10	<10	40	<10	1020
CC44173		<20	0.02	<10	<10	38	<10	153
CC44174		<20	0.03	<10	<10	68	<10	261
CC44175		<20	0.02	<10	20	38	<10	128
CC44176		<20	0.04	<10	<10	75	<10	308
CC44177		<20	0.03	<10	<10	68	<10	171
CC44178		<20	0.04	<10	<10	70	<10	99
CC44179		<20	0.03	<10	<10	52	<10	118
CC44180		<20	0.01	<10	10	28	<10	216
CC44181		<20	0.02	<10	<10	51	<10	381
CC44182		<20	0.02	<10	<10	36	<10	244
CC44183		<20	0.02	<10	<10	35	<10	234
CC44184		<20	0.03	<10	<10	35	<10	269
CC44185		<20	0.03	<10	<10	46	<10	181
CC44186		<20	0.07	<10	<10	85	<10	145
CC44187		<20	0.04	<10	<10	64	<10	181
CC44441		<20	0.04	<10	<10	142	<10	2990
CC44442		<20	0.03	<10	<10	77	<10	937
CC44443		<20	0.04	<10	<10	60	10	199

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Project: RAU (Kathy, Beaver)

CERTIFICATE OF ANALYSIS VA10119669

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC44444		0.30	0.008	0.5	1.44	37	<10	440	0.6	3	4.84	2.3	8	26	51	2.72
CC44445		0.18	0.014	0.5	1.20	90	<10	310	1.1	92	3.88	2.1	8	25	66	4.48
CC44446		0.28	0.007	0.4	1.67	42	<10	410	0.7	4	1.77	1.3	10	36	48	3.11
CC44447		0.20	0.009	1.1	1.50	22	<10	400	0.8	3	2.33	5.5	7	32	51	2.24
CC44448		0.26	0.007	0.5	1.76	38	<10	420	0.7	4	1.96	2.9	10	34	47	3.00
CC44449		0.32	0.010	0.7	1.39	36	<10	330	0.6	3	2.65	4.7	8	29	68	2.72
CC44450		0.26	0.007	0.4	1.30	28	<10	390	0.6	4	1.89	3.5	9	28	49	2.55
CC44451		0.32	0.011	0.5	1.32	29	<10	290	0.6	5	1.99	3.1	10	29	43	2.91
CC44452		0.28	0.008	0.5	1.38	33	<10	380	0.7	5	1.80	4.1	10	31	53	3.07
CC44453		0.28	0.008	0.4	1.15	45	<10	360	0.6	3	2.73	2.5	12	26	39	3.19
CC44454		0.36	0.017	0.3	1.14	33	<10	330	0.5	2	3.44	1.4	10	24	43	2.93
CC44461		0.36	0.006	0.4	1.10	23	<10	280	0.5	3	1.85	9.1	9	25	42	1.98
CC44462		0.22	0.007	0.3	0.96	23	<10	240	<0.5	2	1.63	4.7	8	23	30	1.86
CC44463		0.38	0.008	0.4	1.09	31	<10	380	0.5	5	4.51	1.7	10	23	45	2.71
CC44464		0.32	0.007	0.2	1.16	31	<10	410	0.5	2	4.30	1.8	10	24	46	2.88
CC44465		0.34	0.006	0.3	1.02	20	<10	310	<0.5	3	3.45	1.9	10	25	31	2.35
CC44466		0.24	0.005	0.4	0.99	20	<10	310	0.5	2	2.31	2.7	8	23	30	1.93
CC44467		0.32	0.007	0.5	1.38	33	<10	510	0.6	3	3.30	2.5	10	34	50	3.13
CC44468		0.26	0.012	0.6	1.37	28	<10	440	0.6	4	1.49	3.4	10	30	51	2.83
CC44469		0.18	0.012	0.6	1.15	45	<10	360	0.6	4	1.79	7.3	7	25	53	2.45
CC72867		0.50	0.004	0.4	1.06	17	<10	450	0.5	<2	2.93	1.5	8	24	27	2.31
CC72868		0.22	0.007	0.5	0.93	13	<10	480	0.5	2	2.47	1.4	6	19	17	1.88
CC72869		0.16	0.008	1.0	1.17	18	<10	460	0.6	<2	1.63	1.5	9	27	27	1.89
CC72870		0.22	0.006	0.5	1.17	19	<10	410	0.6	3	1.35	16.8	9	23	47	2.32
CC72871		0.24	0.007	0.6	1.41	22	<10	460	0.7	2	1.40	1.7	10	29	49	2.78
CC72872		0.36	0.017	0.7	1.48	30	<10	560	0.8	4	1.66	1.7	11	28	39	2.92
CC72873		0.32	0.018	0.5	1.63	61	<10	440	0.8	5	0.87	1.3	12	31	41	3.36
CC72874		0.28	0.041	0.6	1.44	117	<10	390	0.8	9	0.87	1.2	12	29	46	3.54
CC72875		0.18	0.016	0.5	1.42	712	<10	530	0.7	30	1.81	1.2	9	26	40	3.66
CC72876		0.22	0.008	0.5	1.46	42	<10	310	0.9	<2	1.37	1.6	10	26	28	2.71
CC72877		0.20	0.007	0.2	1.39	21	<10	210	0.8	2	3.08	1.3	8	23	26	2.34
CC72878		0.32	0.006	0.3	1.45	23	<10	300	0.9	2	1.71	1.4	10	26	40	2.70
CC72879		0.34	0.021	0.2	0.64	79	<10	50	<0.5	<2	14.5	<0.5	3	10	13	1.01
CC72880		0.34	0.012	0.2	1.59	20	<10	230	0.6	2	5.20	1.0	9	26	28	2.20
CC72881		0.32	0.004	0.3	2.06	17	<10	250	0.7	3	3.34	0.8	10	32	27	2.84
CC72882		0.20	0.004	0.4	1.58	18	<10	330	0.6	2	2.03	0.8	9	29	27	2.56
CC72883		0.28	<0.001	<0.2	1.03	3	<10	60	<0.5	<2	15.4	<0.5	3	11	4	0.85
CC72884		0.22	0.026	0.4	1.77	14	<10	240	0.7	3	4.49	1.6	8	26	35	2.35
CC72885		0.30	0.001	<0.2	1.80	5	<10	90	<0.5	3	11.4	0.5	5	21	8	1.33
CC72886		0.26	0.004	<0.2	1.42	13	<10	190	<0.5	3	8.7	0.8	6	20	16	1.52

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 9- SEP- 2010
Account: RCM

Project: RAU (Kathy, Beaver)

CERTIFICATE OF ANALYSIS VA10119669

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC44444		<10	<1	0.12	10	2.32	482	5	0.04	49	820	35	0.03	3	3	57
CC44445		<10	<1	0.09	10	0.83	470	12	0.04	88	980	30	0.11	3	2	57
CC44446		<10	<1	0.09	10	0.84	556	7	0.04	67	470	34	0.04	2	4	48
CC44447		<10	<1	0.06	10	0.51	441	3	0.03	83	690	28	0.04	2	2	48
CC44448		<10	1	0.09	10	1.48	585	5	0.04	62	780	36	0.03	2	3	36
CC44449		<10	<1	0.10	10	1.67	467	12	0.04	89	1090	31	0.04	3	3	52
CC44450		<10	1	0.08	10	1.10	381	8	0.02	99	800	30	0.03	2	2	34
CC44451		<10	<1	0.11	10	1.54	487	6	0.03	58	930	34	<0.01	2	3	32
CC44452		<10	<1	0.10	10	1.23	569	7	0.02	74	920	33	0.02	3	3	30
CC44453		<10	<1	0.10	10	1.37	768	5	0.03	68	860	24	0.04	3	2	46
CC44454		<10	1	0.14	20	1.96	553	3	0.02	42	1020	26	<0.01	3	4	52
CC44461		<10	1	0.06	10	0.68	379	4	0.03	76	620	18	0.05	3	2	39
CC44462		<10	<1	0.05	10	0.52	358	3	0.02	46	620	18	0.06	2	2	35
CC44463		<10	1	0.14	10	2.16	550	3	0.02	45	980	28	<0.01	2	3	68
CC44464		<10	1	0.17	10	2.16	602	3	0.02	46	1010	29	<0.01	4	4	72
CC44465		<10	1	0.08	10	2.36	637	3	0.03	40	980	20	0.02	2	2	40
CC44466		<10	<1	0.07	10	0.98	477	4	0.02	48	660	18	0.03	<2	2	37
CC44467		10	<1	0.15	10	2.32	412	7	0.03	59	960	33	<0.01	3	4	44
CC44468		<10	1	0.11	10	1.07	300	6	0.03	63	910	27	0.02	4	3	37
CC44469		<10	1	0.07	10	0.68	464	4	0.02	80	710	29	0.05	4	2	35
CC72867		<10	1	0.09	10	1.15	355	1	0.02	34	790	30	0.01	2	3	43
CC72868		<10	1	0.06	10	0.68	2200	3	0.02	23	860	27	0.06	<2	2	36
CC72869		<10	<1	0.07	10	0.97	146	7	0.02	36	760	36	0.06	<2	3	27
CC72870		<10	1	0.07	10	0.69	388	1	0.02	49	950	37	0.06	<2	2	32
CC72871		<10	1	0.12	10	0.86	651	1	0.02	52	970	33	0.03	2	3	29
CC72872		<10	1	0.11	10	1.10	715	1	0.02	40	930	35	0.02	2	3	28
CC72873		<10	1	0.13	20	0.74	679	2	0.02	43	900	45	0.02	2	4	26
CC72874		<10	<1	0.12	20	0.94	770	2	0.02	48	710	44	<0.01	3	4	22
CC72875		<10	<1	0.12	10	0.73	661	1	0.02	29	1080	26	0.08	3	2	31
CC72876		<10	<1	0.11	10	1.35	843	1	0.02	32	910	24	0.03	<2	3	23
CC72877		10	<1	0.11	10	2.41	536	1	0.02	29	750	21	0.04	2	2	30
CC72878		10	1	0.11	10	1.52	491	1	0.02	34	820	26	0.03	2	2	22
CC72879		<10	1	0.04	10	9.47	405	<1	0.01	14	350	4	<0.01	<2	1	78
CC72880		<10	<1	0.09	10	4.59	499	<1	0.02	32	600	19	<0.01	3	3	41
CC72881		10	<1	0.10	20	3.24	778	<1	0.03	37	710	22	<0.01	2	4	39
CC72882		10	1	0.08	10	1.40	610	<1	0.02	32	750	21	0.06	2	2	26
CC72883		<10	1	0.24	10	9.67	209	<1	0.02	15	190	2	0.01	<2	1	101
CC72884		<10	1	0.17	10	4.17	540	1	0.02	31	670	23	0.03	2	2	40
CC72885		<10	<1	0.29	10	7.66	166	<1	0.02	20	120	5	<0.01	<2	2	49
CC72886		<10	1	0.19	10	5.46	317	1	0.02	27	420	11	0.02	2	2	53

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VANCOUVER BC V6B 1L8

Finalized Date: 9- SEP- 2010
Account: RCM

Project: RAU (Kathy, Beaver)

CERTIFICATE OF ANALYSIS VA10119669

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC44444		<20	0.04	<10	<10	69	<10	296
CC44445		<20	0.03	<10	<10	56	10	318
CC44446		<20	0.04	<10	<10	71	<10	228
CC44447		<20	0.03	<10	<10	109	<10	293
CC44448		<20	0.04	<10	<10	77	10	359
CC44449		<20	0.04	<10	<10	90	<10	487
CC44450		<20	0.03	<10	<10	66	<10	487
CC44451		<20	0.04	<10	<10	63	<10	264
CC44452		<20	0.03	<10	<10	63	<10	364
CC44453		<20	0.03	<10	<10	52	<10	420
CC44454		<20	0.03	<10	<10	46	<10	173
CC44461		<20	0.03	<10	<10	67	<10	688
CC44462		<20	0.02	<10	<10	53	<10	353
CC44463		<20	0.03	<10	<10	48	<10	194
CC44464		<20	0.03	<10	<10	48	<10	192
CC44465		<20	0.03	<10	<10	44	<10	177
CC44466		<20	0.02	<10	<10	47	<10	267
CC44467		<20	0.05	<10	<10	62	<10	242
CC44468		<20	0.04	<10	<10	70	<10	317
CC44469		<20	0.03	<10	<10	83	<10	711
CC72867		<20	0.03	<10	<10	40	<10	254
CC72868		<20	0.02	<10	<10	30	<10	218
CC72869		<20	0.03	<10	10	40	<10	412
CC72870		<20	0.02	<10	<10	40	<10	499
CC72871		<20	0.03	<10	<10	51	<10	219
CC72872		<20	0.03	<10	<10	51	<10	211
CC72873		<20	0.03	<10	<10	56	10	229
CC72874		<20	0.03	<10	<10	52	50	224
CC72875		<20	0.02	<10	<10	45	<10	198
CC72876		<20	0.03	<10	<10	47	30	182
CC72877		<20	0.03	<10	<10	39	10	182
CC72878		<20	0.03	<10	<10	45	80	180
CC72879		<20	0.02	<10	<10	13	<10	31
CC72880		<20	0.05	<10	<10	39	10	147
CC72881		<20	0.06	<10	<10	51	<10	123
CC72882		<20	0.04	<10	<10	45	<10	112
CC72883		<20	0.03	<10	<10	12	<10	29
CC72884		<20	0.05	<10	<10	45	10	192
CC72885		<20	0.06	<10	<10	31	<10	57
CC72886		<20	0.05	<10	<10	33	<10	132

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 9- SEP- 2010
Account: RCM

Project: RAU (Kathy, Beaver)

CERTIFICATE OF ANALYSIS VA10119669

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC72887		0.26	0.003	<0.2	0.69	7	<10	130	<0.5	2	14.3	0.7	3	11	8	0.84
CC72888		0.24	0.010	<0.2	1.12	7	<10	170	<0.5	2	11.4	<0.5	4	18	12	1.44
CC72889		0.38	0.003	0.2	0.55	3	<10	70	<0.5	<2	15.7	0.9	1	7	8	0.53
CC72890		0.42	0.003	0.2	0.85	4	<10	80	<0.5	<2	15.6	<0.5	2	10	3	0.71
CC72903		0.26	0.004	0.4	0.82	9	<10	210	<0.5	<2	13.0	0.8	3	12	14	1.09
CC72904		0.44	0.004	0.2	0.15	<2	<10	50	<0.5	<2	19.9	<0.5	<1	2	<1	0.14
CC72905		0.22	0.010	0.6	1.25	23	<10	320	0.5	8	3.86	2.6	8	28	36	2.40
CC72906		0.26	0.006	0.7	1.78	20	<10	490	0.8	<2	0.83	13.6	12	40	64	2.75
CC72907		0.26	0.004	0.5	1.24	15	<10	420	0.5	<2	2.03	12.9	10	34	54	2.34
CC72908		0.24	0.003	0.6	1.36	19	<10	490	<0.5	<2	1.38	8.3	13	40	42	2.74
CC72909		0.18	0.003	0.6	1.42	21	<10	320	0.5	<2	1.57	5.5	13	39	44	3.07
CC72910		0.14	0.005	0.8	1.61	21	<10	460	0.6	<2	1.69	8.3	14	45	69	3.20
CC72911		0.18	0.005	0.6	1.13	15	<10	200	<0.5	<2	2.09	5.0	9	33	35	2.36
CC72912		0.20	0.006	0.5	1.56	20	<10	380	0.5	<2	1.42	5.8	13	46	48	2.99
CC72913		0.24	0.005	0.5	1.43	16	<10	280	0.5	<2	1.95	5.0	11	43	43	2.68
CC72914		0.20	0.005	0.6	1.67	16	<10	300	0.5	<2	1.74	3.9	14	52	49	3.06
CC72915		0.24	0.006	0.5	0.80	23	<10	160	<0.5	<2	4.98	0.6	8	18	41	2.74
CC72916		0.36	0.009	0.3	1.77	52	<10	180	0.6	<2	0.66	1.0	13	35	57	4.06
CC72917		0.28	0.006	0.4	1.98	24	<10	280	0.5	<2	0.61	1.8	28	74	62	4.06
CC72918		0.28	0.007	0.4	1.81	23	<10	240	0.7	<2	0.21	1.7	13	37	44	3.57
CC72919		0.24	0.006	0.5	1.82	29	<10	350	0.7	<2	0.64	3.7	16	59	61	3.82
CC72920		0.16	0.003	0.6	1.61	20	<10	340	0.6	<2	1.78	9.4	13	42	59	2.98
CC72921		0.24	0.004	0.8	1.71	25	<10	470	0.8	<2	1.59	4.7	14	33	64	3.33
CC72922		0.30	0.007	0.5	1.54	26	<10	340	0.6	<2	0.87	2.6	13	32	44	3.68
CC72923		0.18	0.007	0.7	1.32	17	<10	470	0.5	<2	1.74	6.1	8	37	67	2.32
CC72924		0.12	0.004	0.5	1.29	21	<10	600	0.6	<2	1.59	14.3	16	36	80	2.88
CC72927		0.14	0.007	0.8	1.59	25	<10	400	0.9	<2	2.17	71.9	12	28	126	2.52
CC72928		0.24	0.008	0.6	1.50	60	<10	600	0.7	<2	3.49	7.9	9	31	65	2.90
CC72929		0.22	0.011	0.7	1.52	85	<10	480	0.7	2	1.53	3.1	9	31	74	3.05
CC72930		0.22	0.008	0.6	1.23	42	<10	430	0.6	<2	2.29	2.1	9	38	57	2.55
CC72931		0.18	0.010	0.6	1.45	36	<10	400	0.6	2	2.24	1.9	10	29	51	2.73
CC72932		0.16	0.008	0.4	1.10	25	<10	320	0.5	<2	5.75	1.7	7	25	32	2.05
CC72933		0.26	0.005	0.5	1.74	29	<10	520	0.7	<2	2.40	1.8	12	45	51	3.12
CC72934		0.30	0.007	0.7	1.60	34	<10	360	0.9	<2	3.07	1.5	15	29	59	3.87
CC72935		0.18	0.005	0.5	1.20	33	<10	360	0.5	<2	1.92	1.6	9	28	33	2.57
CC72936		0.20	0.005	0.5	1.18	25	<10	320	0.5	<2	2.59	4.2	8	26	43	2.16
CC72937		0.30	0.006	0.5	0.93	33	<10	340	<0.5	<2	2.37	3.2	7	22	34	2.26
CC72938		0.24	0.006	0.5	1.27	25	<10	390	0.6	<2	1.76	6.3	10	27	50	2.33
CC72939		0.24	0.005	0.6	1.21	35	<10	460	0.6	<2	2.08	18.7	9	28	52	2.53
CC72940		0.28	0.019	0.7	1.45	108	<10	820	0.7	3	1.58	27.4	9	28	77	3.01

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CERTIFICATE OF ANALYSIS VA10119669

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC72887		<10	<1	0.08	10	9.21	200	1	0.02	17	260	7	0.01	<2	1	94
CC72888		<10	1	0.05	10	7.49	271	<1	0.02	22	340	11	0.01	<2	2	45
CC72889		<10	<1	0.02	<10	10.25	172	1	0.01	9	270	7	0.04	<2	1	57
CC72890		<10	<1	0.04	<10	10.95	153	<1	0.01	7	250	6	0.02	<2	1	80
CC72903		<10	<1	0.04	<10	8.45	242	1	0.01	16	440	12	0.03	<2	1	62
CC72904		<10	<1	0.03	<10	12.50	74	<1	<0.01	1	90	2	<0.01	<2	<1	121
CC72905		<10	<1	0.07	10	2.44	497	2	0.02	46	770	18	0.06	4	2	37
CC72906		10	<1	0.11	10	0.74	225	5	0.01	132	940	30	0.06	2	3	35
CC72907		<10	<1	0.07	10	0.64	469	3	0.02	91	900	19	0.15	<2	2	48
CC72908		10	<1	0.09	10	0.78	1660	6	0.02	87	880	23	0.08	2	3	40
CC72909		<10	1	0.09	10	0.73	629	6	0.02	74	920	23	0.07	<2	2	40
CC72910		<10	<1	0.13	10	0.83	662	5	0.02	99	960	31	0.08	2	3	43
CC72911		<10	<1	0.08	10	0.61	486	6	0.01	53	640	22	0.08	<2	2	44
CC72912		<10	<1	0.11	10	0.85	493	5	0.02	80	950	23	0.08	<2	3	43
CC72913		<10	<1	0.11	10	0.83	470	3	0.02	70	880	22	0.11	<2	3	45
CC72914		<10	<1	0.14	10	0.99	539	4	0.03	73	990	24	0.09	<2	3	48
CC72915		<10	<1	0.08	10	2.98	702	3	0.01	33	1200	23	0.01	<2	2	47
CC72916		<10	<1	0.10	10	1.14	1090	4	0.01	54	1440	28	0.03	<2	4	25
CC72917		<10	<1	0.22	20	1.60	800	5	0.01	136	1250	25	0.02	<2	6	27
CC72918		10	<1	0.08	20	0.58	645	5	<0.01	54	670	51	0.01	<2	4	16
CC72919		10	<1	0.13	20	1.06	783	6	0.02	84	1360	133	0.03	<2	5	32
CC72920		<10	<1	0.12	10	0.82	685	5	0.03	93	1080	25	0.09	2	3	49
CC72921		<10	<1	0.11	10	0.58	523	4	0.01	104	1000	28	0.08	<2	3	43
CC72922		<10	<1	0.11	10	0.56	453	8	0.01	68	930	31	0.08	<2	3	33
CC72923		<10	<1	0.09	10	0.65	380	3	0.02	80	990	26	0.15	2	3	47
CC72924		10	<1	0.10	10	0.60	2590	7	0.01	143	880	23	0.11	<2	2	49
CC72927		<10	1	0.09	10	0.58	566	9	0.01	276	890	25	0.09	<2	2	46
CC72928		<10	1	0.12	10	2.45	457	8	0.02	72	900	36	0.02	2	3	39
CC72929		<10	<1	0.10	10	0.95	434	5	0.01	59	890	46	0.04	<2	3	32
CC72930		<10	<1	0.09	10	1.18	418	3	0.02	49	830	30	0.05	2	2	44
CC72931		<10	<1	0.10	10	0.91	581	3	0.02	49	800	30	0.07	<2	2	43
CC72932		<10	<1	0.08	<10	0.72	464	2	0.02	37	670	19	0.07	<2	2	64
CC72933		<10	<1	0.16	10	1.26	535	4	0.04	55	1080	25	0.08	2	3	51
CC72934		<10	<1	0.22	10	1.81	855	3	0.01	47	1020	47	0.01	<2	5	52
CC72935		<10	<1	0.08	10	0.56	430	3	0.02	39	710	23	0.09	<2	2	40
CC72936		<10	<1	0.08	10	0.73	486	2	0.02	45	790	23	0.09	<2	2	48
CC72937		<10	<1	0.10	10	1.13	503	4	0.02	43	700	55	0.04	<2	3	33
CC72938		<10	<1	0.08	10	0.66	455	4	0.02	62	700	26	0.08	<2	2	40
CC72939		<10	<1	0.08	10	1.21	596	12	0.02	102	820	52	0.06	<2	2	34
CC72940		<10	<1	0.11	10	1.06	469	9	0.02	141	920	49	0.04	3	3	36

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 9- SEP- 2010
Account: RCM

Project: RAU (Kathy, Beaver)

CERTIFICATE OF ANALYSIS VA10119669

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC72887		<20	0.02	<10	<10	16	<10	125
CC72888		<20	0.03	<10	<10	32	<10	78
CC72889		<20	0.02	<10	<10	10	<10	93
CC72890		<20	0.03	<10	<10	13	<10	54
CC72903		<20	0.02	<10	<10	25	<10	110
CC72904		<20	0.01	<10	<10	3	<10	14
CC72905		<20	0.03	<10	<10	57	<10	301
CC72906		<20	0.04	<10	10	88	<10	579
CC72907		<20	0.03	<10	<10	59	<10	418
CC72908		<20	0.04	<10	<10	68	<10	422
CC72909		<20	0.04	<10	<10	76	10	344
CC72910		<20	0.04	<10	<10	79	<10	423
CC72911		<20	0.03	<10	<10	59	<10	394
CC72912		<20	0.05	<10	<10	81	<10	376
CC72913		<20	0.04	<10	<10	70	<10	313
CC72914		<20	0.05	<10	<10	80	<10	365
CC72915		<20	0.02	<10	<10	34	<10	147
CC72916		<20	0.05	<10	<10	64	<10	216
CC72917		<20	0.10	<10	<10	82	<10	314
CC72918		<20	0.03	<10	<10	93	<10	413
CC72919		<20	0.08	<10	<10	128	<10	936
CC72920		<20	0.05	<10	<10	87	<10	448
CC72921		<20	0.03	<10	<10	82	<10	412
CC72922		<20	0.03	<10	<10	70	<10	418
CC72923		<20	0.04	<10	<10	74	<10	344
CC72924		<20	0.03	<10	10	70	<10	363
CC72927		<20	0.03	<10	<10	89	<10	2990
CC72928		<20	0.04	<10	<10	88	<10	516
CC72929		<20	0.03	<10	<10	77	<10	353
CC72930		<20	0.03	<10	<10	73	<10	230
CC72931		<20	0.03	<10	<10	73	<10	239
CC72932		<20	0.03	<10	<10	55	<10	190
CC72933		<20	0.05	<10	<10	94	<10	234
CC72934		<20	0.03	<10	<10	52	<10	221
CC72935		<20	0.03	<10	<10	62	<10	212
CC72936		<20	0.03	<10	<10	58	<10	302
CC72937		<20	0.03	<10	<10	48	<10	510
CC72938		<20	0.03	<10	<10	70	<10	376
CC72939		<20	0.03	<10	<10	103	10	1165
CC72940		<20	0.04	<10	<10	96	10	1680

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 9- SEP- 2010
Account: RCM

Project: RAU (Kathy, Beaver)

CERTIFICATE OF ANALYSIS VA10119669

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC72941		0.26	0.009	0.5	1.55	27	<10	360	0.7	<2	1.21	28.2	11	34	76	2.90
CC72942		0.24	0.007	0.9	1.50	30	<10	330	0.9	<2	1.31	40.4	10	38	133	2.59
CC72943		0.24	0.006	0.6	1.59	29	<10	460	0.8	2	1.22	4.3	9	31	48	2.64
CC72944		0.24	0.004	0.6	1.36	27	<10	430	0.6	3	1.82	2.6	9	26	37	2.47
CC72945		0.30	0.010	0.8	1.37	25	<10	330	0.6	2	2.09	6.1	8	28	41	2.49
CC72946		0.26	0.010	0.5	2.17	34	<10	400	1.0	2	0.22	4.0	10	40	54	3.32
CC72947		0.22	0.007	0.7	1.34	30	<10	350	0.7	<2	2.37	30.5	8	29	81	2.40
CC72948		0.24	0.009	0.8	1.44	58	<10	400	0.7	<2	1.22	10.9	10	31	60	3.05
CC72949		0.24	0.166	0.6	1.40	28	<10	340	0.6	<2	2.55	2.7	8	26	64	2.51
CC72950		0.18	0.007	0.6	1.39	23	<10	340	0.6	<2	1.61	7.7	10	29	67	2.36
CC72951		0.18	0.006	0.7	1.74	38	<10	310	0.8	2	0.54	6.7	16	34	75	3.71
CC72952		0.30	0.009	0.5	1.49	52	<10	370	0.7	3	0.60	8.3	10	31	68	2.93
CC72953		0.22	0.011	0.6	1.53	39	<10	340	0.7	<2	0.69	7.0	11	33	53	2.87
CC72954		0.20	0.006	0.6	1.32	33	<10	390	0.6	2	1.06	5.5	9	28	42	2.50
CC72955		0.32	0.025	0.6	1.42	91	<10	370	0.7	3	0.73	2.7	10	29	78	3.11
CC72956		0.26	0.006	0.5	1.24	46	<10	410	0.5	<2	1.18	3.0	8	27	37	2.45
CC72957		0.36	0.005	0.6	1.33	46	<10	390	0.6	<2	1.99	2.0	8	28	53	2.58
CC72958		0.14	0.007	0.4	1.32	44	<10	360	0.6	<2	1.48	1.3	8	28	40	2.58
CC72959		0.24	0.003	0.6	1.23	34	<10	400	0.5	<2	2.71	1.5	9	26	50	2.51
CC72960		0.32	0.006	0.5	1.32	35	<10	350	0.6	<2	1.93	1.5	9	29	44	2.63
CC72961		0.24	0.006	0.5	1.26	19	<10	350	0.6	<2	2.38	2.0	8	32	47	2.20
CC72962		0.16	NSS	0.3	0.96	20	<10	350	<0.5	<2	3.06	2.0	7	22	33	1.89
CC72963		0.26	0.009	0.4	1.18	35	<10	330	0.5	<2	1.32	2.4	9	26	35	2.50
CC72964		0.38	0.007	0.5	1.51	41	<10	450	0.6	2	0.84	2.0	11	30	47	3.14
CC72965		0.18	0.009	0.7	1.43	40	<10	490	0.6	2	1.56	2.5	9	28	52	2.77
CC72966		0.20	0.005	0.6	1.39	33	<10	390	0.6	<2	1.21	3.1	9	30	48	2.66
CC72967		0.14	0.012	0.4	0.85	15	<10	370	<0.5	<2	2.44	1.7	5	17	31	1.57
CC72968		0.28	0.011	0.6	1.67	46	<10	410	0.7	3	1.11	2.3	12	39	56	3.07
CC72969		0.26	0.009	0.5	1.45	58	<10	290	0.7	2	0.73	1.9	11	29	43	2.97
CC72970		0.20	0.017	0.4	1.84	36	<10	300	0.7	5	0.37	1.7	13	35	43	3.44
CC72971		0.20	0.009	0.4	1.88	33	<10	380	0.7	2	0.59	0.7	14	33	39	3.49
CC72972		0.08	NSS	0.6	0.98	27	<10	340	0.5	<2	3.15	3.2	6	13	36	1.70
CC72973		0.12	0.015	0.5	0.69	10	<10	470	<0.5	<2	3.60	2.3	3	8	45	1.07
CC72974		0.14	0.019	0.5	1.10	31	<10	410	0.5	<2	2.37	2.3	7	20	53	2.03
CC72975		0.22	0.007	0.4	1.09	35	<10	410	0.6	3	1.92	3.0	17	20	85	2.83
CC72976		0.20	0.006	0.3	1.36	19	<10	370	0.5	4	1.10	2.6	14	34	38	2.57
CC72977		0.18	0.007	0.4	1.39	45	<10	490	0.6	3	1.16	1.7	9	26	47	2.78
CC72978		0.26	0.008	0.5	2.05	42	<10	320	0.7	3	1.25	1.3	9	43	44	2.63
CC72979		0.26	0.018	0.4	1.37	33	<10	470	0.6	4	1.91	1.3	9	30	44	2.63
CC72980		0.24	0.010	0.4	1.47	29	<10	390	0.6	2	1.24	1.3	11	31	45	2.89

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 9- SEP- 2010
Account: RCM

Project: RAU (Kathy, Beaver)

CERTIFICATE OF ANALYSIS VA10119669

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC72941		<10	<1	0.09	10	0.81	420	13	0.02	149	740	23	0.03	3	4	34
CC72942		<10	<1	0.09	10	0.62	486	7	0.02	214	760	32	0.06	<2	3	33
CC72943		<10	<1	0.10	10	0.75	478	7	0.01	59	780	41	0.04	2	3	32
CC72944		<10	<1	0.08	10	0.61	694	4	0.02	45	840	24	0.08	<2	3	39
CC72945		<10	<1	0.09	10	1.25	313	8	0.01	83	840	30	0.04	<2	3	36
CC72946		10	<1	0.08	20	0.77	461	6	0.01	74	360	33	0.01	<2	6	17
CC72947		<10	<1	0.09	10	1.23	464	13	0.02	311	760	27	0.06	3	2	41
CC72948		<10	<1	0.12	10	0.86	454	13	0.02	134	980	32	0.09	2	3	48
CC72949		<10	<1	0.14	10	1.48	346	6	0.04	63	810	16	0.07	<2	2	62
CC72950		<10	<1	0.08	10	0.67	394	6	0.03	91	680	18	0.08	<2	2	50
CC72951		10	<1	0.09	10	0.64	392	8	0.01	127	1140	23	0.05	<2	3	24
CC72952		<10	<1	0.09	10	0.70	399	5	0.02	118	850	27	0.03	<2	3	25
CC72953		<10	<1	0.09	10	0.67	360	7	0.02	69	820	26	0.03	<2	3	25
CC72954		<10	<1	0.10	10	0.58	564	5	0.02	68	790	25	0.05	<2	2	27
CC72955		<10	<1	0.11	10	0.76	428	7	0.02	65	920	42	0.03	<2	3	30
CC72956		<10	<1	0.07	10	0.64	724	5	0.02	45	800	27	0.06	<2	2	29
CC72957		<10	<1	0.09	10	1.24	493	4	0.02	43	850	28	0.04	<2	3	31
CC72958		<10	<1	0.09	10	0.55	349	3	0.02	40	540	30	0.05	<2	3	29
CC72959		<10	<1	0.10	10	1.22	366	3	0.02	44	840	26	0.06	<2	3	44
CC72960		<10	<1	0.08	10	1.12	815	3	0.02	43	900	24	0.04	<2	3	33
CC72961		<10	<1	0.08	10	0.99	583	2	0.03	41	850	39	0.09	<2	3	37
CC72962		<10	<1	0.08	10	0.57	501	1	0.02	31	730	21	0.12	<2	2	43
CC72963		<10	<1	0.09	10	0.56	531	3	0.02	38	830	37	0.06	<2	2	31
CC72964		<10	<1	0.09	10	0.62	751	6	0.02	46	900	30	0.04	<2	3	26
CC72965		<10	<1	0.08	10	0.63	820	4	0.02	44	940	27	0.08	<2	3	36
CC72966		<10	<1	0.09	10	0.68	605	5	0.02	49	920	27	0.05	<2	3	32
CC72967		<10	<1	0.05	10	0.46	242	3	0.02	29	690	15	0.10	<2	2	45
CC72968		<10	<1	0.08	10	0.81	605	8	0.02	73	1060	31	0.04	<2	3	31
CC72969		<10	<1	0.08	10	0.62	378	8	0.02	55	920	26	0.04	<2	3	26
CC72970		<10	<1	0.08	10	0.65	678	8	0.01	59	880	25	0.03	<2	3	22
CC72971		10	<1	0.08	10	0.69	685	5	0.02	45	640	21	0.03	<2	3	24
CC72972		<10	<1	0.05	<10	0.55	309	3	0.03	32	720	11	0.13	<2	1	52
CC72973		<10	<1	0.03	<10	0.44	929	1	0.03	32	820	7	0.18	<2	1	54
CC72974		<10	<1	0.06	10	0.55	638	5	0.02	44	730	20	0.11	<2	2	40
CC72975		<10	<1	0.06	10	0.49	537	5	0.02	63	800	19	0.13	<2	2	36
CC72976		<10	<1	0.06	10	0.71	752	3	0.03	44	940	21	0.08	<2	3	29
CC72977		<10	<1	0.09	10	0.57	591	4	0.03	42	1020	32	0.04	<2	3	32
CC72978		10	<1	0.11	10	1.29	400	4	0.03	43	880	31	0.04	<2	5	39
CC72979		<10	<1	0.09	10	0.89	461	3	0.03	41	870	30	0.05	<2	3	36
CC72980		<10	<1	0.09	10	0.80	488	3	0.03	44	900	28	0.04	<2	3	31

***** See Appendix Page for comments regarding this certificate *****

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CERTIFICATE OF ANALYSIS VA10119669

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC72941		<20	0.04	<10	<10	131	<10	1495
CC72942		<20	0.03	<10	<10	427	<10	2330
CC72943		<20	0.03	<10	<10	90	<10	286
CC72944		<20	0.03	<10	<10	65	<10	246
CC72945		<20	0.03	<10	<10	99	<10	880
CC72946		<20	0.04	<10	<10	116	10	339
CC72947		<20	0.03	<10	<10	153	10	2740
CC72948		<20	0.04	<10	<10	88	<10	1145
CC72949		<20	0.04	<10	<10	62	<10	252
CC72950		<20	0.04	<10	<10	74	10	744
CC72951		<20	0.04	<10	<10	100	10	891
CC72952		<20	0.04	<10	<10	91	10	938
CC72953		<20	0.04	<10	<10	94	10	502
CC72954		<20	0.03	<10	<10	84	10	557
CC72955		<20	0.04	<10	<10	78	10	334
CC72956		<20	0.03	<10	<10	77	<10	310
CC72957		<20	0.03	<10	<10	74	<10	226
CC72958		<20	0.03	<10	<10	68	<10	222
CC72959		<20	0.03	<10	<10	57	<10	190
CC72960		<20	0.03	<10	<10	63	<10	195
CC72961		<20	0.03	<10	<10	54	<10	313
CC72962		<20	0.02	<10	<10	41	<10	191
CC72963		<20	0.03	<10	<10	57	<10	277
CC72964		<20	0.03	<10	<10	70	<10	207
CC72965		<20	0.03	<10	<10	69	<10	211
CC72966		<20	0.03	<10	<10	88	<10	255
CC72967		<20	0.02	<10	<10	53	<10	112
CC72968		<20	0.03	<10	<10	110	10	353
CC72969		<20	0.03	<10	<10	86	<10	280
CC72970		<20	0.03	<10	<10	104	10	322
CC72971		<20	0.04	<10	<10	86	<10	213
CC72972		<20	0.02	<10	<10	37	<10	145
CC72973		<20	0.01	<10	<10	22	<10	63
CC72974		<20	0.02	<10	<10	60	<10	183
CC72975		<20	0.03	<10	<10	50	<10	165
CC72976		<20	0.03	<10	<10	61	<10	188
CC72977		<20	0.03	<10	<10	61	<10	192
CC72978		<20	0.04	<10	<10	121	<10	206
CC72979		<20	0.03	<10	<10	63	<10	157
CC72980		<20	0.04	<10	<10	65	<10	173

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 9- SEP- 2010
Account: RCM

Project: RAU (Kathy, Beaver)

CERTIFICATE OF ANALYSIS VA10119669

Sample Description	Method	WEI- 21	Au- ICP21	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC72981		0.30	0.014	0.3	1.14	32	<10	380	0.5	2	1.51	1.6	10	24	41	2.69
CC72982		0.18	0.005	0.5	1.18	31	<10	410	0.5	2	1.49	3.1	9	23	43	2.31
CC72983		0.16	0.013	0.5	1.43	53	<10	330	0.6	3	0.62	1.2	9	30	46	3.12
CC72984		0.24	0.009	0.5	1.52	44	<10	380	0.6	3	0.62	1.2	10	30	42	3.08
CC72985		0.18	0.010	0.4	1.49	39	<10	430	0.6	4	0.90	2.0	10	28	45	2.90
CC72986		0.18	0.006	0.6	1.41	25	<10	360	0.6	4	1.33	2.1	12	53	61	2.55
CC72987		0.20	0.008	0.5	1.54	41	<10	330	0.6	6	1.26	1.5	10	28	43	2.73
CC72988		0.20	0.008	0.4	1.40	40	<10	410	0.7	4	1.82	2.7	10	22	54	2.50
CC72989		0.24	0.008	0.3	1.67	56	<10	250	0.7	4	0.30	1.1	12	27	53	3.51
CC72990		0.22	0.003	0.5	1.48	44	<10	190	0.7	4	0.13	0.8	14	19	52	3.84
CC72991		0.22	0.005	0.4	1.80	35	<10	170	0.5	3	0.11	0.5	8	27	31	3.37
CC72992		0.20	0.007	0.3	1.80	53	<10	270	0.8	4	0.17	0.8	14	28	61	3.59
CC72993		0.22	0.010	0.4	1.23	70	<10	300	0.7	3	1.30	1.6	10	22	59	2.42

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 9- SEP- 2010
Account: RCM

Project: RAU (Kathy, Beaver)

CERTIFICATE OF ANALYSIS VA10119669

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC72981		<10	<1	0.10	10	0.85	438	3	0.03	37	960	28	0.06	<2	3	32
CC72982		<10	<1	0.07	10	0.52	391	3	0.03	38	790	28	0.16	<2	2	35
CC72983		<10	<1	0.11	10	0.64	412	4	0.03	47	650	36	0.03	<2	3	26
CC72984		<10	<1	0.09	10	0.58	416	4	0.02	39	630	33	0.02	<2	3	22
CC72985		<10	<1	0.09	10	0.60	406	5	0.03	38	980	31	0.05	<2	3	31
CC72986		<10	<1	0.07	10	0.58	721	4	0.03	45	870	22	0.07	<2	3	34
CC72987		<10	<1	0.07	10	0.67	418	4	0.03	45	730	26	0.07	<2	2	36
CC72988		<10	<1	0.07	10	0.65	541	5	0.04	50	860	21	0.09	<2	2	48
CC72989		<10	<1	0.10	10	0.67	306	7	0.03	60	920	26	0.05	<2	2	32
CC72990		<10	<1	0.10	10	0.49	145	8	0.03	51	770	18	0.10	<2	1	41
CC72991		10	<1	0.08	10	0.47	214	5	0.02	34	530	20	0.03	<2	2	16
CC72992		<10	<1	0.10	10	0.57	386	5	0.02	61	670	22	0.03	2	3	24
CC72993		<10	<1	0.08	10	0.50	321	7	0.03	45	770	17	0.08	<2	2	45

***** See Appendix Page for comments regarding this certificate *****

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1016- 510 W HASTINGS ST
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Finalized Date: 9- SEP- 2010
Account: RCM

Project: RAU (Kathy, Beaver)

CERTIFICATE OF ANALYSIS VA10119669

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC72981		<20	0.03	<10	<10	51	<10	210
CC72982		<20	0.02	<10	<10	51	<10	223
CC72983		<20	0.04	<10	<10	70	<10	214
CC72984		<20	0.03	<10	<10	66	<10	192
CC72985		<20	0.03	<10	<10	63	<10	211
CC72986		<20	0.03	<10	<10	67	<10	162
CC72987		<20	0.03	<10	<10	70	<10	224
CC72988		<20	0.03	<10	<10	57	<10	218
CC72989		<20	0.03	<10	<10	71	<10	270
CC72990		<20	0.03	<10	<10	54	<10	203
CC72991		<20	0.04	<10	<10	63	<10	140
CC72992		<20	0.03	<10	<10	60	<10	251
CC72993		<20	0.03	<10	<10	50	<10	164

***** See Appendix Page for comments regarding this certificate *****

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1016- 510 W HASTINGS ST
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Project: RAU (Kathy, Beaver)

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 9- SEP- 2010
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CERTIFICATE OF ANALYSIS VA10119669

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non- sufficient sample.

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7- SEP- 2010
Account: RCM

CERTIFICATE VA10120380

Project: RAU (Kathy, Beaver)

P.O. No.:

This report is for 245 Soil samples submitted to our lab in Vancouver, BC, Canada on 26- AUG- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
PUL- 31	Pulverize split to 85% < 75 um
LOG- 21	Sample logging - ClientBarCode
PUL- QC	Pulverizing QC Test
SCR- 43	Screen to - 500um, discard plus
SCR- 01	Screen - Save plus fraction

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7- SEP- 2010
Account: RCM

Project: RAU (Kathy, Beaver)

CERTIFICATE OF ANALYSIS VA10120380

Sample Description	Method / Analyte / Units / LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC108052		0.18	0.008	0.5	0.86	19	<10	260	0.7	4	10.4	1.0	5	14	18	2.28
CC108053		0.26	0.009	0.4	0.90	12	<10	240	0.5	4	8.9	1.2	5	15	16	1.60
CC108054		0.28	0.008	0.2	0.88	8	<10	260	0.5	3	9.0	1.1	5	16	19	1.45
CC108055		0.24	0.007	0.3	0.84	15	<10	290	<0.5	4	9.8	0.7	4	17	13	1.51
CC108056		0.20	0.005	0.5	1.20	19	<10	450	0.7	4	5.09	1.7	7	23	22	2.28
CC108057		0.24	0.006	0.4	1.42	18	<10	440	0.6	4	2.99	3.1	10	29	35	2.66
CC108058		0.18	0.006	0.5	1.40	34	<10	640	0.6	5	3.41	1.6	9	26	35	2.60
CC108059		0.22	0.008	0.5	1.32	54	<10	380	0.6	8	5.28	1.3	8	25	38	2.67
CC108060		0.18	0.020	0.5	1.42	143	<10	540	0.7	36	2.26	1.7	10	26	56	3.32
CC108061		0.24	0.022	0.5	1.56	137	<10	280	0.7	18	4.96	1.1	9	25	46	3.38
CC108062		0.16	0.010	0.4	1.75	41	<10	380	0.9	4	1.71	1.5	10	29	37	2.90
CC108063		0.24	0.005	<0.2	0.91	21	<10	170	0.7	3	12.6	0.9	4	13	23	1.35
CC108064		0.18	0.005	0.4	1.84	32	<10	370	1.0	4	2.66	1.9	10	28	51	2.86
CC108065		0.22	0.006	<0.2	1.18	23	<10	200	0.7	4	9.4	0.7	7	18	30	1.86
CC108066		0.26	0.006	<0.2	1.08	18	<10	190	0.7	4	12.4	0.7	5	15	24	1.46
CC108067		0.18	0.003	<0.2	1.32	6	<10	120	<0.5	3	16.6	<0.5	2	14	4	0.76
CC108068		0.24	0.026	<0.2	2.32	21	<10	270	0.9	4	3.99	0.6	11	37	30	3.07
CC108069		0.24	0.008	0.5	2.04	16	<10	260	0.7	<2	4.74	1.6	8	29	35	2.46
CC108070		0.22	0.010	0.5	1.45	22	<10	300	0.6	2	4.34	0.9	10	26	48	2.89
CC108071		0.20	0.006	0.4	1.90	17	<10	230	0.6	<2	5.98	0.9	8	27	30	2.42
CC108072		0.24	0.005	0.6	1.84	18	<10	350	0.7	2	0.79	0.7	12	34	41	3.29
CC108073		0.22	0.005	0.4	1.23	11	<10	280	<0.5	<2	11.5	0.8	5	17	19	1.56
CC108074		0.30	0.005	0.2	1.33	10	<10	320	<0.5	<2	11.9	0.5	5	19	17	1.52
CC108075		0.32	0.004	0.2	0.35	2	<10	250	<0.5	<2	19.3	<0.5	1	4	1	0.34
CC108076		0.24	0.006	0.2	1.09	13	<10	660	<0.5	<2	11.0	<0.5	5	20	20	1.59
CC108077		0.20	0.004	0.4	1.09	13	<10	550	<0.5	<2	10.9	0.9	5	17	16	1.55
CC108078		0.28	0.007	0.2	1.52	25	<10	400	0.5	2	0.72	4.4	14	37	32	3.14
CC108079		0.20	0.010	0.4	1.31	18	<10	600	<0.5	<2	1.66	7.3	11	36	48	2.53
CC108080		0.18	0.007	0.6	1.55	27	<10	580	0.5	<2	1.32	6.4	13	43	50	3.12
CC108081		0.12	0.005	0.6	1.58	27	<10	390	0.5	2	2.08	2.8	12	39	46	3.21
CC108082		0.20	0.005	0.3	1.45	66	<10	180	0.5	2	0.09	0.7	8	31	26	5.13
CC108083		0.24	0.012	0.5	1.59	27	<10	350	0.6	2	0.48	5.0	13	44	58	3.57
CC108084		0.18	0.008	1.2	2.38	25	<10	310	0.8	2	0.22	2.0	13	49	37	4.13
CC108085		0.20	0.007	0.6	3.16	13	<10	410	0.7	4	0.99	2.2	31	168	93	5.55
CC108086		0.18	0.006	0.5	2.04	14	<10	330	0.6	<2	0.80	2.5	20	71	47	3.42
CC108087		0.28	0.007	0.4	1.35	22	<10	210	0.5	<2	0.53	0.7	13	28	31	3.78
CC108088		0.20	0.010	0.6	1.19	24	<10	300	0.5	2	1.07	1.0	11	25	36	3.28
CC108089		0.12	0.008	0.4	1.32	17	<10	390	0.5	2	0.90	2.1	11	27	30	2.93
CC108090		0.18	0.011	0.3	1.61	20	<10	690	0.6	<2	1.05	2.8	13	33	28	3.41
CC108091		0.20	0.008	0.4	2.10	29	<10	260	0.8	2	0.41	1.9	16	48	49	3.73

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Finalized Date: 7- SEP- 2010
Account: RCM

Project: RAU (Kathy, Beaver)

CERTIFICATE OF ANALYSIS VA10120380

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC108052		<10	<1	0.09	10	6.47	1865	3	0.03	18	430	34	0.05	<2	2	71
CC108053		<10	<1	0.10	10	5.51	296	3	0.03	19	480	38	0.03	<2	2	64
CC108054		<10	<1	0.11	10	4.95	664	3	0.03	21	550	29	0.05	<2	2	68
CC108055		<10	<1	0.09	10	5.84	474	2	0.04	18	570	23	0.02	<2	2	68
CC108056		<10	<1	0.12	10	3.40	1515	5	0.03	28	790	37	0.05	<2	2	47
CC108057		<10	<1	0.12	10	1.96	578	2	0.04	37	990	31	0.05	<2	3	41
CC108058		<10	<1	0.13	10	1.95	580	2	0.04	34	900	35	0.05	<2	3	40
CC108059		<10	<1	0.12	10	3.68	515	2	0.04	34	720	34	0.02	<2	3	44
CC108060		<10	<1	0.13	20	1.60	775	2	0.03	37	770	35	0.03	2	3	28
CC108061		<10	<1	0.17	20	3.82	359	2	0.04	34	730	35	0.02	<2	3	39
CC108062		<10	<1	0.17	10	1.37	578	2	0.03	34	970	30	0.05	<2	3	28
CC108063		<10	<1	0.14	10	7.71	375	1	0.03	20	420	12	0.02	<2	2	80
CC108064		<10	<1	0.17	20	1.94	1065	1	0.03	35	810	26	0.07	<2	3	32
CC108065		<10	<1	0.16	10	6.32	411	1	0.03	24	520	16	0.02	<2	2	59
CC108066		<10	<1	0.19	10	8.17	403	1	0.03	20	380	14	0.02	<2	2	74
CC108067		<10	<1	0.27	10	10.95	133	<1	0.03	12	130	3	0.04	<2	2	114
CC108068		10	<1	0.37	20	3.41	524	2	0.04	38	370	25	0.01	<2	4	33
CC108069		<10	<1	0.15	10	4.33	532	2	0.03	36	760	30	0.05	<2	3	43
CC108070		<10	<1	0.17	10	2.67	601	3	0.03	41	870	32	0.04	2	4	50
CC108071		<10	<1	0.12	10	4.88	451	3	0.03	32	670	20	0.05	<2	3	46
CC108072		10	<1	0.14	20	1.00	498	4	0.04	43	1000	21	0.03	<2	5	29
CC108073		<10	<1	0.09	10	7.53	241	2	0.03	26	570	19	0.06	<2	2	63
CC108074		<10	1	0.10	10	7.82	275	2	0.03	20	390	12	0.03	<2	2	52
CC108075		<10	<1	0.14	10	12.00	113	<1	0.03	3	90	2	<0.01	<2	1	103
CC108076		<10	<1	0.10	10	7.12	242	1	0.04	22	410	23	0.03	<2	2	66
CC108077		<10	<1	0.08	10	7.13	355	4	0.03	23	530	45	0.03	<2	2	64
CC108078		<10	<1	0.14	10	0.78	990	6	0.04	65	1080	24	0.04	2	3	31
CC108079		<10	<1	0.13	10	0.83	509	4	0.04	76	950	21	0.12	<2	2	42
CC108080		<10	<1	0.16	10	0.84	530	7	0.04	84	1000	28	0.09	3	3	44
CC108081		<10	<1	0.13	10	0.75	426	6	0.03	58	960	30	0.11	2	3	49
CC108082		10	<1	0.12	10	0.29	308	26	0.02	36	850	37	0.06	2	2	16
CC108083		<10	<1	0.15	20	0.82	595	8	0.03	66	1370	50	0.03	<2	4	30
CC108084		10	<1	0.12	10	0.60	495	8	0.02	64	850	59	0.03	<2	4	17
CC108085		10	<1	0.89	10	2.79	528	15	0.09	231	1320	13	0.28	<2	6	97
CC108086		10	<1	0.13	10	1.12	463	10	0.04	96	1060	21	0.07	<2	4	40
CC108087		<10	1	0.15	10	0.71	610	7	0.02	38	1580	25	0.03	<2	3	25
CC108088		<10	1	0.14	10	0.63	1155	6	0.02	38	1320	30	0.06	2	3	31
CC108089		<10	<1	0.17	10	0.50	856	7	0.03	33	1290	23	0.06	<2	3	30
CC108090		<10	<1	0.10	10	0.60	564	5	0.02	38	940	24	0.06	<2	4	30
CC108091		<10	<1	0.13	20	0.80	660	7	0.02	82	1070	33	0.03	<2	4	24

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1016- 510 W HASTINGS ST
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Finalized Date: 7- SEP- 2010
Account: RCM

Project: RAU (Kathy, Beaver)

CERTIFICATE OF ANALYSIS VA10120380

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC108052		<20	0.02	<10	<10	24	10	208
CC108053		<20	0.02	<10	<10	26	10	223
CC108054		<20	0.02	<10	<10	29	10	203
CC108055		<20	0.03	<10	<10	32	20	186
CC108056		<20	0.03	<10	<10	37	<10	351
CC108057		<20	0.04	<10	<10	55	<10	230
CC108058		<20	0.03	<10	<10	48	10	252
CC108059		<20	0.04	<10	<10	44	10	208
CC108060		<20	0.03	<10	<10	50	10	232
CC108061		<20	0.04	<10	<10	50	10	204
CC108062		<20	0.03	<10	<10	53	<10	231
CC108063		<20	0.03	<10	<10	24	10	113
CC108064		<20	0.04	<10	<10	47	<10	199
CC108065		<20	0.03	<10	<10	32	50	121
CC108066		<20	0.03	<10	<10	26	40	118
CC108067		<20	0.05	<10	<10	21	<10	31
CC108068		<20	0.07	<10	<10	57	<10	132
CC108069		<20	0.05	<10	<10	49	10	191
CC108070		<20	0.04	<10	<10	53	<10	176
CC108071		<20	0.05	<10	<10	48	<10	154
CC108072		<20	0.06	<10	<10	80	<10	145
CC108073		<20	0.03	<10	<10	36	<10	223
CC108074		<20	0.04	<10	<10	34	<10	98
CC108075		<20	0.01	<10	<10	6	<10	27
CC108076		<20	0.04	<10	<10	45	<10	79
CC108077		<20	0.03	<10	<10	38	<10	288
CC108078		<20	0.05	<10	<10	82	<10	269
CC108079		<20	0.05	<10	<10	68	<10	319
CC108080		<20	0.05	<10	<10	85	<10	386
CC108081		<20	0.04	<10	<10	79	<10	303
CC108082		<20	0.04	<10	<10	73	<10	200
CC108083		<20	0.07	<10	<10	100	<10	452
CC108084		<20	0.04	<10	<10	113	<10	502
CC108085		<20	0.17	<10	10	192	<10	674
CC108086		<20	0.09	<10	<10	116	<10	337
CC108087		<20	0.03	<10	<10	55	<10	194
CC108088		<20	0.03	<10	<10	49	<10	245
CC108089		<20	0.03	<10	<10	52	<10	290
CC108090		<20	0.03	<10	<10	60	<10	389
CC108091		<20	0.05	<10	<10	139	<10	423

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Account: RCM

Project: RAU (Kathy, Beaver)

CERTIFICATE OF ANALYSIS VA10120380

Sample Description	Method	WEI- 21	Au- ICP21	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC108092		0.24	0.008	0.3	2.31	28	<10	360	0.9	2	0.42	4.5	24	65	64	3.94
CC108093		0.18	0.008	0.6	1.63	25	<10	380	0.6	2	1.07	16.7	14	41	42	3.48
CC108094		0.26	0.033	0.7	1.89	25	<10	350	0.6	<2	1.14	4.7	17	56	41	4.26
CC108095		0.18	0.006	1.1	1.72	25	<10	380	0.7	2	1.40	6.2	15	42	48	3.46
CC108096		0.18	0.013	0.7	1.42	24	<10	470	0.5	2	1.11	3.8	9	36	45	2.70
CC108097		0.18	0.006	0.6	1.36	26	<10	560	0.5	2	0.97	5.0	12	36	49	2.85
CC108098		0.22	0.016	0.6	1.63	32	<10	570	0.7	3	2.41	3.5	10	31	45	2.84
CC108099		0.24	0.008	0.6	1.85	38	<10	390	0.8	3	0.62	4.5	12	38	48	3.29
CC108100		0.24	0.010	0.8	1.77	48	<10	350	0.8	4	0.89	7.1	11	38	56	3.40
CC108101		0.22	0.007	0.5	1.32	29	<10	770	0.5	3	5.63	1.9	9	26	45	2.40
CC108102		0.26	0.012	0.4	1.54	25	<10	460	0.6	3	5.74	1.2	11	29	38	2.67
CC108103		0.28	0.009	0.4	1.51	23	<10	370	0.6	3	5.89	1.1	9	28	39	2.39
CC108104		0.22	0.006	0.5	1.75	29	<10	330	0.7	4	4.50	1.0	11	34	43	3.01
CC108105		0.24	0.009	0.2	1.47	24	<10	360	0.6	5	5.56	1.5	10	29	48	2.27
CC108106		0.30	0.007	0.3	1.20	16	<10	290	0.5	3	5.33	4.0	7	23	30	1.48
CC108107		0.34	0.009	0.4	1.38	27	<10	330	0.5	2	3.55	0.8	11	29	52	3.51
CC108108		0.28	0.015	0.7	1.92	27	<10	250	0.7	3	1.71	1.5	11	32	60	4.17
CC108109		0.20	0.010	0.3	1.26	30	<10	250	0.5	2	4.39	1.0	11	25	55	3.49
CC108110		0.28	0.015	0.5	1.50	64	<10	280	0.6	2	0.91	1.1	15	32	59	3.78
CC108111		0.26	0.009	0.4	1.11	29	<10	220	<0.5	2	4.29	0.9	12	27	54	3.25
CC108112		0.24	0.010	0.5	1.13	30	<10	190	<0.5	4	4.67	0.9	11	23	53	3.40
CC108113		0.36	0.010	0.4	1.32	26	<10	230	0.6	2	2.03	1.0	12	27	60	3.76
CC108114		0.18	0.019	0.4	1.16	14	<10	300	0.5	2	1.33	2.9	10	24	39	2.50
CC108115		0.24	0.008	0.4	1.50	18	<10	330	0.6	2	0.58	1.4	11	31	52	2.78
CC108116		0.32	0.007	0.4	1.84	36	<10	460	0.7	4	2.72	1.9	13	36	63	3.76
CC108117		0.22	0.004	0.4	1.21	8	<10	310	0.6	4	5.15	3.3	6	23	27	1.67
CC108118		0.20	0.023	0.3	1.59	39	<10	450	0.6	7	3.83	4.0	11	28	40	3.65
CC108119		0.30	0.011	0.2	1.30	14	<10	460	0.5	4	10.9	0.6	6	22	33	1.67
CC108120		0.30	0.013	0.3	1.89	28	<10	390	0.8	6	2.11	0.5	11	33	36	3.20
CC108121		0.34	0.029	0.2	1.96	20	<10	260	0.7	7	8.1	0.9	9	28	29	2.51
CC108122		0.34	0.006	0.4	1.24	21	<10	300	0.5	4	4.30	1.3	8	23	35	1.97
CC108123		0.32	0.006	0.5	1.26	17	<10	370	0.6	2	4.69	3.6	11	53	50	1.87
CC108124		0.36	0.006	0.5	1.55	23	<10	450	0.7	3	1.60	2.6	13	36	51	3.28
CC108125		0.22	0.007	0.4	1.76	18	<10	380	0.7	3	0.89	3.6	13	38	52	3.22
CC108126		0.14	0.007	0.3	1.67	15	<10	290	0.7	3	1.02	6.5	14	33	48	3.24
CC108127		0.34	0.027	0.5	1.81	26	<10	430	0.8	3	0.62	3.2	15	36	51	3.59
CC108128		0.20	0.008	0.7	1.48	27	<10	290	0.6	4	0.77	4.3	12	36	55	3.31
CC108129		0.28	0.011	0.5	1.43	28	<10	250	0.6	4	2.03	1.7	13	31	61	3.78
CC108130		0.24	0.009	0.4	1.46	17	<10	310	0.5	<2	1.72	1.0	12	34	39	3.05
CC108131		0.34	0.006	0.5	1.13	27	<10	240	0.5	3	2.55	1.2	11	25	49	3.36

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Finalized Date: 7- SEP- 2010
Account: RCM

Project: RAU (Kathy, Beaver)

CERTIFICATE OF ANALYSIS VA10120380

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC108092		10	<1	0.19	20	0.96	927	8	0.04	175	1270	34	0.04	2	5	29
CC108093		<10	<1	0.13	10	0.74	742	13	0.03	102	1110	31	0.06	<2	4	33
CC108094		10	<1	0.18	10	1.22	1045	8	0.05	84	1190	65	0.04	2	5	37
CC108095		<10	<1	0.14	10	0.79	694	6	0.04	86	1100	74	0.09	2	3	39
CC108096		<10	<1	0.12	10	0.64	431	5	0.03	64	1000	31	0.10	2	3	40
CC108097		<10	<1	0.11	10	0.63	772	6	0.03	73	950	28	0.08	3	3	39
CC108098		<10	<1	0.12	10	1.35	496	6	0.03	56	820	34	0.05	2	3	43
CC108099		10	<1	0.13	20	0.74	466	11	0.03	65	780	34	0.03	<2	4	28
CC108100		<10	<1	0.16	10	0.87	637	9	0.04	105	1070	37	0.04	2	4	32
CC108101		<10	1	0.16	10	3.83	306	4	0.04	41	800	43	0.11	3	3	52
CC108102		<10	<1	0.14	10	4.14	639	2	0.03	39	720	27	0.07	<2	3	51
CC108103		<10	<1	0.15	10	4.20	257	2	0.03	37	690	30	0.07	<2	3	52
CC108104		<10	<1	0.18	10	3.35	429	2	0.03	43	790	31	0.11	<2	3	45
CC108105		<10	<1	0.16	10	3.95	425	5	0.04	51	710	34	0.27	<2	3	49
CC108106		<10	<1	0.12	10	3.60	190	3	0.03	34	730	27	0.35	<2	2	47
CC108107		<10	<1	0.15	10	2.41	904	4	0.05	40	1570	24	0.05	2	4	50
CC108108		<10	<1	0.16	20	1.62	979	5	0.04	46	1590	25	0.04	2	5	39
CC108109		<10	<1	0.21	20	2.81	947	5	0.04	43	1500	26	0.06	<2	4	61
CC108110		<10	<1	0.15	20	1.08	1050	5	0.03	50	1550	26	0.02	<2	5	26
CC108111		<10	<1	0.14	10	2.57	841	4	0.02	44	1360	24	0.05	<2	4	62
CC108112		<10	<1	0.14	10	2.88	917	5	0.03	42	1490	24	0.05	2	3	57
CC108113		<10	<1	0.13	20	1.63	1095	4	0.02	48	1660	29	0.02	<2	4	32
CC108114		<10	<1	0.09	10	0.55	537	5	0.02	42	1060	30	0.07	<2	2	30
CC108115		<10	<1	0.14	20	0.59	188	6	0.02	48	1110	32	0.06	<2	4	24
CC108116		<10	<1	0.24	20	2.07	1030	6	0.06	60	1220	35	0.03	<2	5	47
CC108117		<10	<1	0.12	10	3.44	151	1	0.03	30	790	28	0.09	<2	2	47
CC108118		<10	<1	0.14	10	2.25	620	3	0.03	47	1190	25	0.16	<2	3	49
CC108119		<10	<1	0.09	10	7.18	371	2	0.04	37	540	23	0.02	<2	3	80
CC108120		10	<1	0.15	20	1.71	584	2	0.03	41	590	29	0.03	<2	4	31
CC108121		10	<1	0.12	10	6.06	480	2	0.04	31	600	19	0.04	<2	3	61
CC108122		<10	<1	0.10	10	3.04	353	2	0.03	34	860	25	0.03	2	3	42
CC108123		<10	<1	0.13	10	3.21	358	4	0.03	41	770	28	0.25	<2	3	48
CC108124		<10	<1	0.16	20	1.14	880	5	0.03	65	1100	33	0.03	2	4	35
CC108125		<10	<1	0.16	20	0.67	201	12	0.03	69	1130	32	0.05	<2	5	39
CC108126		<10	<1	0.14	10	0.62	346	12	0.03	138	1250	32	0.07	<2	4	31
CC108127		<10	<1	0.14	20	0.62	757	10	0.02	90	1030	29	0.03	<2	5	24
CC108128		<10	<1	0.15	20	0.64	383	9	0.03	67	1140	34	0.03	<2	4	30
CC108129		<10	<1	0.13	20	1.71	1120	5	0.03	54	1710	28	0.04	2	5	33
CC108130		<10	<1	0.15	10	1.20	522	7	0.04	43	1310	26	0.06	<2	4	44
CC108131		<10	<1	0.11	20	1.69	968	5	0.02	43	1380	28	0.03	2	3	36

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CERTIFICATE OF ANALYSIS VA10120380

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC108092		<20	0.10	<10	<10	121	<10	1035
CC108093		<20	0.04	<10	<10	86	<10	1090
CC108094		<20	0.08	<10	<10	95	<10	567
CC108095		<20	0.05	<10	<10	85	<10	767
CC108096		<20	0.04	<10	<10	81	<10	340
CC108097		<20	0.04	<10	<10	84	<10	314
CC108098		<20	0.04	<10	<10	87	<10	317
CC108099		<20	0.05	<10	<10	126	10	339
CC108100		<20	0.04	<10	<10	128	<10	705
CC108101		<20	0.04	<10	<10	56	10	241
CC108102		<20	0.05	<10	<10	46	10	197
CC108103		<20	0.05	<10	<10	46	10	212
CC108104		<20	0.06	<10	<10	50	10	225
CC108105		<20	0.05	<10	10	47	<10	210
CC108106		<20	0.03	<10	<10	41	<10	239
CC108107		<20	0.04	<10	<10	60	<10	175
CC108108		<20	0.05	<10	<10	73	<10	194
CC108109		<20	0.04	<10	<10	55	<10	187
CC108110		<20	0.05	<10	<10	73	<10	196
CC108111		<20	0.04	<10	<10	49	<10	193
CC108112		<20	0.04	<10	<10	45	<10	191
CC108113		<20	0.04	<10	<10	54	<10	215
CC108114		<20	0.02	<10	<10	61	<10	303
CC108115		<20	0.03	<10	<10	62	<10	179
CC108116		<20	0.05	<10	<10	72	<10	248
CC108117		<20	0.03	<10	<10	38	<10	259
CC108118		<20	0.03	<10	<10	50	<10	251
CC108119		<20	0.04	<10	<10	49	<10	145
CC108120		<20	0.04	<10	<10	63	<10	142
CC108121		<20	0.06	<10	<10	44	<10	134
CC108122		<20	0.04	<10	<10	46	<10	172
CC108123		<20	0.04	<10	<10	46	<10	244
CC108124		<20	0.04	<10	<10	70	<10	345
CC108125		<20	0.04	<10	<10	72	<10	356
CC108126		<20	0.03	<10	<10	82	<10	919
CC108127		<20	0.03	<10	<10	93	<10	542
CC108128		<20	0.03	<10	<10	128	<10	381
CC108129		<20	0.04	<10	<10	53	<10	221
CC108130		<20	0.04	<10	<10	61	<10	230
CC108131		<20	0.03	<10	<10	53	<10	184

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7- SEP- 2010
Account: RCM

Project: RAU (Kathy, Beaver)

CERTIFICATE OF ANALYSIS VA10120380

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC108132		0.30	0.008	0.3	1.51	26	<10	300	0.5	3	1.58	0.8	10	28	39	3.57
CC108133		0.24	0.007	0.4	1.45	19	<10	430	0.6	<2	0.87	4.0	15	32	46	3.26
CC108134		0.24	0.006	0.5	1.49	25	<10	270	0.6	3	0.76	0.8	13	30	39	3.19
CC108135		0.30	0.011	0.2	1.76	28	<10	250	0.7	2	0.33	2.6	16	35	53	3.88
CC108136		0.16	0.008	0.6	1.67	22	<10	350	0.6	3	0.87	5.4	14	41	41	3.49
CC108137		0.28	0.007	0.4	1.87	26	<10	350	0.8	3	0.67	3.3	18	46	54	3.93
CC108138		0.34	0.007	0.5	1.88	28	<10	360	0.8	3	1.00	3.1	17	42	63	3.96
CC108139		0.30	0.005	0.2	1.13	31	<10	410	0.5	3	4.84	2.7	7	22	22	2.48
CC108140		0.30	0.004	0.4	1.52	23	<10	380	0.6	4	3.85	1.1	9	29	39	2.74
CC108146		0.16	0.006	0.2	1.30	24	<10	290	0.5	<2	1.83	1.8	10	24	48	2.54
CC108147		0.18	0.005	0.2	1.04	17	<10	260	<0.5	<2	3.17	1.2	7	20	34	1.95
CC108148		0.20	0.005	0.3	1.16	16	<10	260	0.5	<2	4.05	3.5	10	22	38	1.67
CC108149		0.48	0.008	0.4	1.52	26	<10	400	0.6	<2	2.83	1.8	13	30	53	3.30
CC108150		0.22	0.007	0.4	1.50	30	<10	400	0.6	<2	1.04	1.9	13	35	52	3.75
CC108151		0.28	0.005	<0.2	1.49	72	<10	240	0.6	<2	0.33	0.7	12	26	49	3.29
CC108152		0.22	0.007	0.3	1.75	58	<10	370	0.7	<2	0.79	0.7	12	28	54	3.20
CC108153		0.30	0.006	0.5	1.68	35	<10	360	0.7	<2	0.70	0.7	11	28	40	2.80
CC108154		0.18	0.008	0.2	1.45	66	<10	390	0.6	2	1.20	1.7	13	23	40	2.86
CC108155		0.34	0.009	0.5	1.61	50	<10	580	0.7	<2	0.85	3.4	12	28	64	3.07
CC108156		0.36	0.011	0.4	1.56	38	<10	400	0.7	<2	0.60	1.3	12	33	49	3.05
CC108157		0.24	0.007	0.5	1.50	37	<10	330	0.6	<2	0.79	1.2	12	34	46	2.92
CC108158		0.18	0.006	0.4	1.40	29	<10	380	0.6	<2	1.69	1.4	10	28	49	2.58
CC108159		0.10	0.007	0.2	1.38	19	<10	400	0.6	<2	2.14	1.4	10	28	45	2.40
CC108160		0.22	0.023	0.4	1.25	16	<10	300	0.5	<2	2.24	1.1	8	26	26	2.18
CC108161		0.14	0.007	0.3	1.46	27	<10	380	0.6	<2	1.42	2.1	14	34	49	3.35
CC108162		0.30	0.004	0.2	1.24	18	<10	290	0.5	<2	2.57	1.7	9	25	36	2.28
CC108163		0.14	0.008	0.4	1.12	56	<10	670	0.5	<2	2.01	1.7	12	22	49	4.65
CC108164		0.18	0.003	0.2	1.31	30	<10	210	0.5	<2	1.48	1.1	10	25	55	3.02
CC108165		0.28	0.009	0.4	1.46	31	<10	310	0.6	<2	1.61	1.5	11	26	56	2.65
CC108166		0.24	0.019	0.3	1.14	28	<10	380	0.5	<2	2.16	1.7	11	20	41	2.13
CC108167		0.20	0.009	0.3	1.31	36	<10	250	0.6	<2	1.28	1.1	10	23	44	2.53
CC108168		0.22	0.011	0.3	1.56	45	<10	250	0.7	<2	1.38	0.7	11	26	57	2.79
CC108169		0.16	0.002	0.3	1.42	32	<10	370	0.6	<2	1.81	0.7	10	24	47	2.57
CC108170		0.12	0.005	0.2	1.03	25	<10	290	<0.5	<2	2.43	1.6	8	19	31	2.01
CC108171		0.14	0.006	0.2	1.06	25	<10	340	0.5	<2	2.87	2.1	8	17	41	2.22
CC108172		0.16	0.008	<0.2	1.17	31	<10	350	0.5	<2	1.63	1.5	9	23	42	2.41
CC108173		0.18	0.007	0.3	1.39	33	<10	260	0.6	<2	1.33	1.1	10	26	74	2.95
CC108174		0.26	0.007	0.3	1.52	31	<10	320	0.6	<2	1.64	2.0	11	28	60	2.88
CC108175		0.12	0.008	0.3	1.55	31	<10	320	0.7	<2	1.79	2.1	11	29	57	2.97
CC108176		0.20	0.002	<0.2	1.80	10	<10	190	0.7	<2	1.22	0.6	10	24	20	3.38

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Finalized Date: 7- SEP- 2010
Account: RCM

Project: RAU (Kathy, Beaver)

CERTIFICATE OF ANALYSIS VA10120380

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC108132		<10	<1	0.11	10	1.13	635	4	0.03	34	970	25	0.02	<2	3	27
CC108133		<10	<1	0.12	10	0.52	2860	10	0.02	66	1040	28	0.06	<2	4	30
CC108134		<10	<1	0.12	20	0.53	648	9	0.02	43	760	31	0.03	<2	4	25
CC108135		<10	<1	0.16	20	0.59	766	8	0.02	86	890	38	0.02	<2	4	21
CC108136		<10	<1	0.12	10	0.72	484	16	0.03	82	1040	28	0.04	<2	4	32
CC108137		<10	<1	0.15	20	0.85	804	9	0.03	105	1060	41	0.02	<2	5	28
CC108138		<10	<1	0.21	20	1.11	832	5	0.04	78	1140	46	0.02	2	5	34
CC108139		<10	<1	0.08	10	3.40	273	3	0.03	28	810	25	0.05	<2	2	47
CC108140		<10	<1	0.10	10	2.65	508	3	0.04	36	830	28	0.02	<2	3	42
CC108146		<10	<1	0.09	10	0.55	494	3	0.01	48	820	25	0.10	<2	2	35
CC108147		<10	1	0.08	10	0.49	326	1	0.01	35	710	18	0.10	<2	2	43
CC108148		<10	<1	0.09	10	2.44	253	2	0.01	38	930	23	0.15	<2	2	43
CC108149		<10	<1	0.19	20	1.74	762	4	0.01	49	1130	27	0.02	2	4	48
CC108150		<10	<1	0.13	10	0.76	1420	2	0.01	59	1230	24	0.06	2	4	33
CC108151		<10	<1	0.08	10	0.61	366	5	<0.01	50	730	19	0.03	<2	2	24
CC108152		<10	<1	0.10	10	0.61	357	5	<0.01	51	880	14	0.04	<2	3	34
CC108153		<10	1	0.07	10	0.54	336	5	<0.01	37	810	23	0.03	<2	3	26
CC108154		<10	<1	0.11	10	0.60	530	6	0.02	50	890	15	0.06	<2	2	42
CC108155		<10	1	0.12	10	0.61	1150	5	0.01	57	940	24	0.05	2	4	33
CC108156		<10	<1	0.12	10	0.65	364	4	0.01	50	970	27	0.02	<2	4	26
CC108157		<10	<1	0.13	10	0.66	414	3	0.01	51	890	27	0.03	<2	3	31
CC108158		<10	<1	0.11	10	0.63	569	2	0.01	44	760	24	0.07	<2	3	38
CC108159		10	<1	0.09	10	0.59	615	1	0.01	38	900	17	0.09	<2	2	40
CC108160		<10	<1	0.11	10	1.14	407	1	0.01	30	910	22	0.11	<2	2	38
CC108161		<10	<1	0.17	20	0.88	1180	3	0.01	60	1280	24	0.05	<2	4	40
CC108162		<10	<1	0.09	10	1.85	318	2	0.01	38	1110	26	0.06	2	3	36
CC108163		<10	<1	0.09	10	0.51	427	4	0.01	39	1020	17	0.20	<2	2	44
CC108164		<10	<1	0.10	10	0.54	372	2	0.01	35	560	19	0.07	<2	2	29
CC108165		<10	<1	0.11	10	0.57	429	2	0.01	48	820	20	0.08	<2	2	38
CC108166		<10	<1	0.08	10	0.56	1665	3	0.01	41	830	17	0.18	<2	2	40
CC108167		<10	1	0.10	10	0.56	482	2	0.01	45	910	18	0.10	<2	2	33
CC108168		<10	<1	0.09	10	0.62	364	3	0.02	51	870	13	0.11	<2	2	38
CC108169		<10	<1	0.09	10	0.57	579	1	0.01	39	840	18	0.09	<2	2	38
CC108170		<10	<1	0.07	10	0.49	415	1	0.01	28	770	13	0.17	<2	1	36
CC108171		<10	<1	0.08	10	0.73	668	1	0.01	38	930	13	0.10	<2	1	40
CC108172		10	<1	0.10	10	0.57	545	2	0.02	38	860	15	0.06	<2	2	35
CC108173		<10	<1	0.10	10	0.56	339	3	0.01	43	920	20	0.07	<2	3	31
CC108174		<10	<1	0.11	10	0.69	600	3	0.03	56	1000	25	0.09	<2	3	39
CC108175		<10	1	0.12	10	0.65	485	2	0.01	55	770	24	0.08	<2	3	40
CC108176		<10	<1	0.07	10	0.80	834	<1	<0.01	22	270	33	0.02	<2	4	16

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Project: RAU (Kathy, Beaver)

CERTIFICATE OF ANALYSIS VA10120380

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC108132		<20	0.03	<10	<10	59	<10	155
CC108133		<20	0.02	<10	10	136	<10	333
CC108134		<20	0.03	<10	<10	68	<10	203
CC108135		<20	0.03	<10	<10	89	<10	449
CC108136		<20	0.04	<10	<10	92	<10	650
CC108137		<20	0.05	<10	<10	86	<10	768
CC108138		<20	0.05	<10	<10	81	<10	381
CC108139		<20	0.03	<10	<10	47	<10	208
CC108140		<20	0.05	<10	<10	56	<10	179
CC108146		<20	0.02	<10	<10	49	<10	322
CC108147		<20	0.02	<10	<10	37	<10	220
CC108148		<20	0.03	<10	<10	42	<10	233
CC108149		<20	0.03	<10	<10	59	<10	195
CC108150		<20	0.03	<10	<10	58	<10	219
CC108151		<20	0.03	<10	<10	59	<10	168
CC108152		<20	0.03	<10	<10	59	<10	146
CC108153		<20	0.03	<10	<10	68	<10	151
CC108154		<20	0.03	<10	<10	56	<10	188
CC108155		<20	0.03	<10	<10	61	<10	218
CC108156		<20	0.04	<10	<10	68	<10	203
CC108157		<20	0.05	<10	<10	70	<10	203
CC108158		<20	0.03	<10	<10	55	<10	169
CC108159		<20	0.03	<10	<10	55	<10	166
CC108160		<20	0.03	<10	<10	46	<10	177
CC108161		<20	0.03	<10	<10	56	<10	217
CC108162		<20	0.03	<10	<10	46	<10	214
CC108163		<20	0.02	<10	<10	46	<10	161
CC108164		<20	0.03	<10	<10	50	10	139
CC108165		<20	0.03	<10	<10	51	<10	213
CC108166		<20	0.02	<10	<10	41	<10	152
CC108167		<20	0.03	<10	<10	48	<10	152
CC108168		<20	0.03	<10	<10	51	<10	105
CC108169		<20	0.02	<10	<10	47	<10	144
CC108170		<20	0.02	<10	<10	36	<10	243
CC108171		<20	0.02	<10	<10	38	10	330
CC108172		<20	0.03	<10	<10	63	10	263
CC108173		<20	0.03	<10	<10	56	<10	195
CC108174		<20	0.03	<10	<10	62	<10	236
CC108175		<20	0.03	<10	<10	62	<10	312
CC108176		<20	0.02	<10	<10	61	<10	119

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CERTIFICATE OF ANALYSIS VA10120380

Sample Description	Method / Analyte / Units / LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC108177		0.22	0.003	<0.2	2.38	12	<10	250	0.9	<2	1.31	<0.5	16	37	25	4.50
CC108178		0.28	0.003	<0.2	2.13	12	<10	270	0.5	<2	0.20	<0.5	10	32	13	3.27
CC108179		0.30	0.002	<0.2	1.49	9	<10	150	<0.5	<2	0.12	<0.5	7	27	8	3.37
CC108180		0.34	0.004	0.3	1.67	14	<10	220	0.7	<2	2.14	<0.5	10	27	24	3.25
CC108181		0.36	0.008	0.2	2.10	13	<10	350	0.8	<2	0.27	<0.5	11	36	27	3.24
CC108182		0.34	0.003	0.2	2.79	17	<10	330	1.1	<2	0.33	<0.5	13	41	30	4.18
CC108183		0.22	0.003	<0.2	1.83	8	<10	240	<0.5	2	0.20	<0.5	7	26	10	2.84
CC108184		0.26	0.006	0.2	2.20	20	<10	280	0.9	<2	0.45	<0.5	13	35	24	3.72
CC108185		0.28	0.008	0.2	1.49	15	<10	190	0.6	<2	2.04	<0.5	10	26	25	3.10
CC108186		0.26	0.003	0.2	1.18	11	<10	180	<0.5	<2	4.27	<0.5	8	20	22	2.51
CC108187		0.20	0.002	0.2	1.71	13	<10	180	0.5	2	0.79	<0.5	9	27	14	3.10
CC108188		0.20	0.005	0.3	1.20	11	<10	280	0.5	<2	2.89	0.6	10	21	45	2.56
CC108189		0.24	0.003	<0.2	2.29	16	<10	220	1.0	<2	0.95	<0.5	12	32	21	4.02
CC108190		0.16	0.003	0.2	1.52	11	<10	220	0.6	<2	0.82	<0.5	10	25	15	2.69
CC108191		0.14	0.002	0.2	1.87	7	<10	240	0.7	<2	1.41	<0.5	8	26	19	2.78
CC108192		0.20	0.005	0.5	1.79	9	<10	200	0.7	<2	2.89	<0.5	9	27	14	3.53
CC108193		0.32	0.004	0.2	1.87	12	<10	250	0.7	<2	0.53	<0.5	10	30	20	3.23
CC108194		0.26	0.002	<0.2	2.05	12	<10	210	0.6	<2	0.22	<0.5	10	31	13	3.28
CC108195		0.20	0.003	0.3	2.14	13	<10	290	0.7	<2	0.29	0.5	10	30	17	3.44
CC108196		0.26	0.004	0.2	2.20	12	<10	280	0.8	<2	0.41	<0.5	11	34	13	3.03
CC108197		0.30	0.003	0.2	2.13	11	<10	220	0.8	<2	0.27	<0.5	11	33	14	3.42
CC108198		0.26	0.002	<0.2	1.98	11	<10	280	0.5	<2	0.33	<0.5	9	32	12	2.87
CC108199		0.24	0.003	<0.2	2.02	10	<10	310	0.6	<2	0.45	<0.5	11	37	18	3.05
CC108200		0.22	0.003	0.3	1.16	11	<10	210	0.5	<2	4.41	0.5	8	20	23	2.88
CC108201		0.32	0.003	0.2	1.08	12	<10	200	0.5	<2	6.5	0.6	9	18	31	2.50
CC108202		0.14	0.004	0.3	1.27	9	<10	740	0.5	<2	2.34	0.6	11	26	35	2.85
CC108203		0.26	0.005	0.2	1.24	6	<10	350	<0.5	<2	1.55	<0.5	8	28	22	2.17
CC108204		0.28	0.005	0.3	1.30	9	<10	170	0.5	<2	1.71	<0.5	12	30	32	2.83
CC108205		0.26	0.003	0.2	1.71	7	<10	260	0.6	<2	1.17	0.9	10	29	23	2.86
CC108206		0.24	0.003	0.3	2.17	14	<10	200	0.8	<2	0.22	<0.5	12	35	24	3.58
CC108207		0.18	0.003	0.3	1.38	16	<10	400	0.6	<2	2.43	0.7	9	24	35	3.04
CC108208		0.14	<0.001	0.3	1.18	11	<10	290	0.6	<2	4.23	1.2	8	17	31	2.42
CC108209		0.18	0.002	0.2	1.08	16	<10	100	0.5	<2	5.31	<0.5	9	18	32	2.65
CC108210		0.20	0.003	<0.2	1.48	8	<10	190	<0.5	2	0.36	<0.5	7	26	10	3.10
CC108211		0.32	0.004	<0.2	1.88	12	<10	220	0.6	<2	1.53	<0.5	9	29	20	3.07
CC108212		0.18	0.003	0.2	1.91	12	<10	300	0.7	<2	1.47	<0.5	10	30	23	3.02
CC108213		0.26	0.006	<0.2	1.66	15	<10	260	0.9	<2	0.25	<0.5	13	30	45	3.50
CC108214		0.34	0.004	0.2	1.97	9	<10	230	0.6	<2	0.47	<0.5	9	30	14	3.02
CC108215		0.22	0.003	<0.2	2.21	12	<10	250	0.8	<2	0.36	<0.5	11	33	15	3.34
CC108216		0.24	0.003	0.2	2.07	13	<10	220	0.6	<2	0.53	<0.5	11	29	15	3.29

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7- SEP- 2010
Account: RCM

Project: RAU (Kathy, Beaver)

CERTIFICATE OF ANALYSIS VA10120380

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC108177		10	<1	0.08	20	1.39	776	<1	<0.01	35	300	36	0.01	<2	7	21
CC108178		10	<1	0.06	10	0.53	239	<1	<0.01	25	190	23	<0.01	<2	3	10
CC108179		<10	1	0.07	10	0.46	261	<1	<0.01	16	280	18	<0.01	<2	2	9
CC108180		10	<1	0.06	20	1.51	482	<1	<0.01	27	840	22	0.02	<2	4	27
CC108181		10	1	0.06	20	0.58	346	<1	<0.01	28	180	19	<0.01	<2	6	15
CC108182		10	<1	0.07	20	0.66	587	1	0.01	42	210	33	0.02	<2	7	12
CC108183		10	1	0.05	10	0.42	273	1	0.01	17	140	23	0.01	<2	3	8
CC108184		<10	<1	0.07	20	0.78	622	1	0.01	33	330	31	0.02	<2	6	10
CC108185		<10	<1	0.08	10	1.42	571	1	0.02	26	470	28	0.04	<2	4	21
CC108186		<10	<1	0.08	10	2.09	609	1	0.02	21	790	21	0.05	<2	3	114
CC108187		<10	<1	0.07	10	0.80	504	<1	0.01	22	290	23	0.03	<2	4	12
CC108188		<10	<1	0.07	10	1.15	796	<1	0.01	22	850	24	0.08	<2	2	31
CC108189		10	<1	0.09	10	0.83	786	1	0.01	32	390	46	0.03	<2	5	14
CC108190		<10	<1	0.08	10	0.76	279	1	0.01	24	500	26	0.04	<2	4	17
CC108191		<10	<1	0.07	10	0.92	345	<1	0.01	18	500	24	0.04	<2	4	20
CC108192		<10	<1	0.10	20	2.19	734	<1	0.02	21	510	28	0.02	<2	5	24
CC108193		<10	1	0.09	20	0.69	317	<1	0.02	25	290	24	0.02	<2	5	15
CC108194		10	<1	0.08	20	0.71	229	<1	0.01	23	250	29	0.01	<2	4	8
CC108195		10	<1	0.09	20	0.56	420	1	0.01	24	360	29	0.02	<2	4	11
CC108196		10	<1	0.07	20	0.64	344	<1	0.01	25	240	22	0.02	<2	5	11
CC108197		10	<1	0.08	20	0.66	321	<1	0.01	26	180	22	0.02	<2	5	10
CC108198		10	<1	0.05	10	0.50	312	1	0.01	21	240	20	0.02	<2	3	11
CC108199		10	<1	0.06	20	0.56	677	1	0.01	22	200	19	0.02	<2	5	12
CC108200		<10	<1	0.10	10	2.41	1040	1	0.02	20	860	23	0.06	<2	3	35
CC108201		<10	1	0.11	10	3.37	805	1	0.02	25	770	27	0.04	<2	3	60
CC108202		<10	<1	0.09	10	0.67	1400	<1	0.02	23	960	21	0.19	<2	3	40
CC108203		<10	<1	0.08	10	0.63	207	<1	0.02	22	1010	22	0.08	<2	3	33
CC108204		<10	<1	0.09	20	1.26	691	1	0.02	29	1040	22	0.02	<2	4	30
CC108205		<10	<1	0.08	10	0.66	817	<1	0.01	23	740	22	0.06	<2	3	21
CC108206		<10	<1	0.07	10	0.61	315	<1	0.01	32	240	22	0.02	<2	4	10
CC108207		<10	1	0.14	10	1.11	437	1	0.02	25	840	30	0.14	<2	4	37
CC108208		<10	<1	0.08	10	1.11	895	1	0.02	18	590	23	0.07	<2	3	49
CC108209		<10	<1	0.10	10	2.95	674	1	0.02	23	610	24	0.05	<2	3	50
CC108210		<10	<1	0.07	10	0.51	763	1	0.01	16	330	18	0.02	<2	3	11
CC108211		<10	<1	0.08	10	1.33	445	1	0.02	23	280	20	0.03	<2	4	14
CC108212		<10	<1	0.07	20	1.23	470	<1	0.02	25	310	23	0.02	<2	5	17
CC108213		<10	<1	0.09	30	0.76	824	1	0.01	35	240	34	0.02	<2	8	10
CC108214		<10	<1	0.06	20	0.66	325	<1	0.01	21	230	24	0.02	<2	4	12
CC108215		10	1	0.08	20	0.67	374	<1	0.01	27	230	31	0.02	<2	5	11
CC108216		10	<1	0.08	20	0.81	285	<1	0.01	23	180	26	0.02	<2	4	10

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Finalized Date: 7- SEP- 2010
Account: RCM

Project: RAU (Kathy, Beaver)

CERTIFICATE OF ANALYSIS VA10120380

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC108177		<20	0.10	<10	<10	87	<10	118
CC108178		<20	0.03	<10	<10	63	<10	82
CC108179		<20	0.04	<10	<10	61	<10	133
CC108180		<20	0.03	<10	<10	55	<10	107
CC108181		<20	0.04	<10	<10	63	<10	72
CC108182		<20	0.04	<10	<10	79	<10	92
CC108183		<20	0.04	<10	<10	65	<10	75
CC108184		<20	0.03	<10	<10	66	<10	98
CC108185		<20	0.03	<10	<10	50	<10	103
CC108186		<20	0.02	<10	<10	40	<10	102
CC108187		<20	0.03	<10	<10	55	<10	113
CC108188		<20	0.02	<10	<10	38	<10	146
CC108189		<20	0.03	<10	<10	68	<10	140
CC108190		<20	0.02	<10	<10	49	<10	77
CC108191		<20	0.02	<10	<10	51	<10	114
CC108192		<20	0.02	<10	<10	51	<10	107
CC108193		<20	0.03	<10	<10	58	<10	86
CC108194		<20	0.03	<10	<10	64	<10	108
CC108195		<20	0.03	<10	<10	70	<10	99
CC108196		<20	0.04	<10	<10	67	<10	165
CC108197		<20	0.03	<10	<10	65	<10	77
CC108198		<20	0.03	<10	<10	63	<10	91
CC108199		<20	0.04	<10	<10	67	<10	96
CC108200		<20	0.02	<10	<10	41	<10	109
CC108201		<20	0.02	<10	<10	37	<10	146
CC108202		<20	0.02	<10	<10	39	<10	90
CC108203		<20	0.05	<10	<10	45	<10	97
CC108204		<20	0.07	<10	<10	49	<10	110
CC108205		<20	0.02	<10	<10	50	<10	87
CC108206		<20	0.05	<10	<10	63	<10	77
CC108207		<20	0.02	<10	<10	43	<10	130
CC108208		<20	0.02	<10	<10	38	<10	122
CC108209		<20	0.02	<10	<10	43	<10	91
CC108210		<20	0.03	<10	<10	53	<10	129
CC108211		<20	0.03	<10	<10	59	<10	92
CC108212		<20	0.03	<10	<10	59	<10	95
CC108213		<20	0.04	<10	<10	58	<10	92
CC108214		<20	0.03	<10	<10	61	<10	74
CC108215		<20	0.04	<10	<10	66	<10	94
CC108216		<20	0.03	<10	<10	62	<10	85

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VANCOUVER BC V6B 1L8

Finalized Date: 7- SEP- 2010
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Project: RAU (Kathy, Beaver)

CERTIFICATE OF ANALYSIS VA10120380

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC108217		0.32	0.004	0.2	1.85	11	<10	270	0.7	2	1.05	<0.5	11	30	20	3.16
CC108218		0.28	0.004	0.6	1.74	19	<10	290	0.9	<2	1.45	0.7	14	30	53	3.70
CC108219		0.16	0.002	0.2	1.87	16	<10	220	0.8	<2	1.12	<0.5	11	29	27	3.44
CC108220		0.16	0.004	0.4	1.30	9	<10	280	0.6	<2	3.51	1.5	9	24	82	2.53
CC108221		0.12	<0.001	0.2	0.37	2	<10	290	<0.5	<2	5.38	1.0	4	6	32	0.70
CC108222		0.30	0.002	0.4	1.18	15	<10	230	0.5	<2	5.74	0.5	11	28	27	3.05
CC108223		0.40	0.005	0.6	1.42	18	<10	240	0.7	<2	7.27	0.7	12	24	52	3.12
CC108224		0.28	0.004	0.6	1.21	13	<10	200	0.6	<2	6.9	0.9	10	21	42	2.78
CC108225		0.22	0.004	0.5	1.17	17	<10	350	0.6	<2	3.74	0.8	10	20	50	2.76
CC108226		0.40	0.003	0.4	1.16	13	<10	200	0.5	<2	7.9	0.6	9	21	38	2.64
CC108227		0.32	0.006	0.5	1.37	16	<10	250	0.6	<2	5.28	0.7	10	28	44	3.13
CC108228		0.28	0.005	0.3	1.46	14	<10	260	0.6	<2	1.80	0.7	13	32	44	3.24
CC108229		0.38	0.003	0.4	1.35	12	<10	210	0.5	<2	2.30	0.5	13	31	39	3.10
CC108230		0.38	0.004	0.4	1.41	14	<10	180	0.5	<2	2.34	<0.5	12	33	38	3.02
CC108231		0.34	0.005	0.3	1.46	10	<10	220	0.6	<2	0.91	<0.5	12	33	40	3.36
CC108232		0.26	0.004	0.4	1.58	14	<10	250	0.6	<2	1.63	0.8	15	36	44	3.48
CC108233		0.42	0.003	0.4	1.44	11	<10	170	0.5	<2	6.28	0.5	12	29	46	3.00
CC108234		0.26	0.004	0.4	1.66	17	<10	270	0.6	<2	0.84	0.5	14	36	36	3.71
CC108235		0.38	0.004	0.4	1.54	14	<10	260	0.6	<2	2.36	0.7	13	33	42	3.51
CC108236		0.32	0.003	0.4	1.18	15	<10	230	0.6	<2	4.86	0.8	11	23	38	2.89
CC108237		0.32	0.004	0.4	0.85	12	<10	130	<0.5	<2	7.2	<0.5	9	17	26	2.21
CC108238		0.30	0.003	0.3	1.32	13	<10	180	0.6	<2	3.56	<0.5	8	23	31	2.76
CC108239		0.18	0.002	<0.2	2.14	16	<10	320	1.0	<2	0.91	0.5	11	30	15	3.87
CC108240		0.18	0.002	<0.2	1.91	16	<10	300	0.7	<2	0.55	0.5	14	31	20	3.61
CC108241		0.16	0.003	0.2	2.11	16	<10	370	1.0	<2	0.91	0.5	13	29	19	3.84
CC108242		0.18	0.006	0.2	1.70	19	<10	230	0.7	<2	1.02	<0.5	12	30	23	4.04
CC108243		0.34	0.003	<0.2	1.86	15	<10	200	0.8	<2	0.23	<0.5	10	31	17	3.74
CC108244		0.32	0.002	0.4	1.64	13	<10	250	0.7	<2	1.92	<0.5	10	27	17	3.30
CC108245		0.20	0.002	0.4	1.65	13	<10	260	0.6	<2	1.12	0.6	10	25	16	3.63
CC108251		0.28	0.004	0.4	0.91	11	<10	140	<0.5	<2	7.9	<0.5	8	17	30	2.28
CC108252		0.32	0.003	0.3	0.95	11	<10	120	<0.5	<2	8.2	<0.5	8	17	32	2.31
CC108253		0.36	0.004	0.4	1.13	11	<10	160	0.5	<2	7.9	0.5	9	19	34	2.54
CC108254		0.30	0.003	0.5	1.15	12	<10	210	0.5	<2	6.06	<0.5	9	20	38	2.82
CC108255		0.28	0.004	0.4	1.22	11	<10	180	0.6	<2	5.82	0.5	9	23	28	2.62
CC108256		0.26	0.003	0.5	1.33	14	<10	250	0.6	<2	6.46	0.5	11	23	41	2.98
CC108257		0.26	0.004	0.5	1.31	17	<10	280	0.6	<2	6.10	0.6	12	23	45	2.95
CC108258		0.28	0.004	0.4	1.12	15	<10	220	0.5	<2	6.93	0.6	10	20	36	2.68
CC108259		0.26	0.004	0.2	1.25	12	<10	180	0.6	<2	5.02	0.7	12	22	35	2.85
CC108260		0.36	0.004	<0.2	1.20	14	<10	210	0.5	<2	7.5	0.7	9	21	44	2.75
CC108261		0.24	0.004	<0.2	1.31	19	<10	190	0.6	<2	4.97	0.5	10	21	42	2.82

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CERTIFICATE OF ANALYSIS VA10120380

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC108217		<10	<1	0.06	10	0.88	710	<1	0.02	24	340	22	0.03	<2	4	15
CC108218		<10	<1	0.17	10	1.17	992	<1	0.01	43	860	42	0.03	<2	5	24
CC108219		<10	1	0.07	10	0.96	710	<1	0.01	27	300	29	0.02	<2	5	17
CC108220		<10	1	0.09	10	1.84	258	<1	0.02	28	680	24	0.08	2	4	38
CC108221		<10	<1	0.02	<10	0.56	110	<1	0.02	11	770	4	0.27	<2	<1	64
CC108222		<10	<1	0.08	10	3.55	1070	<1	0.02	22	590	23	0.04	2	4	38
CC108223		<10	<1	0.17	10	3.05	912	1	0.02	32	670	37	0.01	4	5	78
CC108224		<10	<1	0.14	10	3.31	853	6	0.01	30	680	39	0.01	2	4	72
CC108225		<10	<1	0.13	10	1.64	1525	<1	0.01	29	770	27	0.09	2	3	41
CC108226		<10	<1	0.14	10	3.49	977	<1	0.02	25	670	27	0.02	2	4	86
CC108227		<10	1	0.13	10	2.50	774	<1	0.01	30	880	28	0.02	<2	4	52
CC108228		<10	<1	0.10	20	1.36	779	<1	0.01	37	930	27	0.02	2	5	28
CC108229		<10	<1	0.09	10	1.57	1045	<1	0.02	33	970	25	0.01	<2	4	32
CC108230		<10	<1	0.11	20	1.72	788	<1	0.02	32	960	25	0.01	<2	4	31
CC108231		<10	<1	0.09	20	0.90	829	<1	0.02	34	1020	24	0.01	2	4	25
CC108232		<10	<1	0.12	20	1.28	1070	<1	0.02	37	1010	31	0.01	3	5	30
CC108233		<10	<1	0.13	10	2.86	1140	<1	0.02	32	800	29	<0.01	2	5	68
CC108234		<10	<1	0.13	20	0.75	569	<1	0.01	33	1000	28	0.04	2	5	27
CC108235		<10	<1	0.13	10	1.65	914	<1	0.02	35	950	32	0.02	2	5	31
CC108236		<10	1	0.12	10	2.92	837	<1	0.02	28	820	30	0.02	2	4	42
CC108237		<10	<1	0.10	10	4.56	779	<1	0.02	23	680	24	0.02	2	3	48
CC108238		<10	<1	0.12	10	2.43	264	<1	0.02	22	710	28	0.03	<2	4	30
CC108239		10	<1	0.07	10	0.86	864	2	0.01	22	290	48	0.03	<2	5	14
CC108240		10	1	0.07	10	0.66	1605	1	0.01	28	460	33	0.02	3	5	13
CC108241		<10	<1	0.06	20	0.81	1385	1	0.01	26	460	113	0.03	3	7	16
CC108242		<10	<1	0.08	10	0.85	1175	1	0.01	27	670	30	0.04	2	4	18
CC108243		<10	<1	0.10	20	0.81	663	<1	0.01	28	240	27	0.01	<2	5	11
CC108244		<10	<1	0.09	10	1.42	794	<1	0.01	26	640	28	0.02	2	4	20
CC108245		<10	<1	0.09	10	0.89	993	2	0.01	24	700	120	0.04	<2	3	20
CC108251		<10	<1	0.11	10	3.67	661	<1	0.02	19	650	22	0.01	2	3	74
CC108252		<10	<1	0.11	10	3.62	742	<1	0.02	21	650	22	0.01	2	3	81
CC108253		<10	<1	0.16	10	3.39	815	<1	0.02	23	670	26	0.01	3	4	81
CC108254		<10	<1	0.12	10	3.54	914	<1	0.02	24	750	26	0.02	2	3	51
CC108255		<10	<1	0.14	10	3.72	692	<1	0.02	26	740	27	0.01	2	4	45
CC108256		<10	<1	0.17	10	3.66	927	1	0.02	31	780	34	0.01	3	4	58
CC108257		<10	<1	0.15	10	3.31	862	<1	0.02	30	740	35	0.02	2	4	58
CC108258		<10	1	0.13	10	3.66	948	1	0.02	27	730	33	0.02	2	3	63
CC108259		<10	<1	0.13	10	3.21	885	3	0.01	32	790	41	0.02	<2	4	40
CC108260		<10	<1	0.14	10	3.18	747	2	0.02	30	700	34	0.01	<2	4	84
CC108261		<10	<1	0.13	10	2.43	661	2	0.01	29	720	35	0.01	<2	4	56

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7- SEP- 2010
Account: RCM

Project: RAU (Kathy, Beaver)

CERTIFICATE OF ANALYSIS VA10120380

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC108217		<20	0.03	<10	<10	57	<10	87
CC108218		<20	0.02	<10	<10	56	<10	188
CC108219		<20	0.02	<10	<10	60	<10	98
CC108220		<20	0.02	<10	<10	44	<10	154
CC108221		<20	0.01	<10	10	9	<10	72
CC108222		<20	0.02	<10	<10	43	<10	149
CC108223		<20	0.03	<10	<10	47	<10	169
CC108224		<20	0.02	<10	<10	42	<10	147
CC108225		<20	0.01	<10	<10	37	<10	157
CC108226		<20	0.02	<10	<10	38	<10	139
CC108227		<20	0.04	<10	<10	46	<10	165
CC108228		<20	0.05	<10	<10	50	<10	137
CC108229		<20	0.06	<10	<10	48	<10	112
CC108230		<20	0.07	<10	<10	51	<10	121
CC108231		<20	0.06	<10	<10	52	<10	114
CC108232		<20	0.06	<10	<10	54	<10	145
CC108233		<20	0.06	<10	<10	48	<10	135
CC108234		<20	0.04	<10	<10	56	<10	139
CC108235		<20	0.05	<10	<10	52	<10	159
CC108236		<20	0.02	<10	<10	41	<10	151
CC108237		<20	0.02	<10	<10	33	<10	107
CC108238		<20	0.02	<10	<10	46	<10	151
CC108239		<20	0.02	<10	<10	70	<10	124
CC108240		<20	0.02	<10	<10	66	<10	174
CC108241		<20	0.02	<10	<10	63	<10	130
CC108242		<20	0.03	<10	<10	65	<10	139
CC108243		<20	0.02	<10	<10	58	<10	93
CC108244		<20	0.02	<10	<10	50	<10	117
CC108245		<20	0.02	<10	<10	52	<10	142
CC108251		<20	0.03	<10	<10	33	<10	112
CC108252		<20	0.03	<10	<10	34	<10	110
CC108253		<20	0.03	<10	<10	39	<10	127
CC108254		<20	0.02	<10	<10	39	<10	135
CC108255		<20	0.02	<10	<10	43	<10	149
CC108256		<20	0.02	<10	<10	45	<10	158
CC108257		<20	0.02	<10	<10	44	<10	158
CC108258		<20	0.02	<10	<10	39	<10	146
CC108259		<20	0.02	<10	<10	40	<10	170
CC108260		<20	0.02	<10	<10	39	<10	142
CC108261		<20	0.02	<10	<10	42	<10	133

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7- SEP- 2010
Account: RCM

Project: RAU (Kathy, Beaver)

CERTIFICATE OF ANALYSIS VA10120380

Sample Description	Method / Analyte / Units / LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC108262		0.30	0.006	<0.2	1.37	12	<10	170	0.6	<2	2.09	<0.5	11	23	17	3.11
CC108263		0.28	0.003	<0.2	1.65	15	<10	220	0.7	<2	1.11	<0.5	10	27	20	3.16
CC108264		0.28	0.004	0.7	1.75	13	<10	200	0.8	<2	1.38	<0.5	8	27	19	3.22
CC108265		0.28	0.004	<0.2	2.12	17	<10	310	0.8	<2	0.33	<0.5	10	33	25	3.50
CC108266		0.26	0.002	<0.2	2.01	11	<10	260	0.7	<2	0.68	<0.5	9	30	15	3.08
CC108267		0.26	0.003	0.4	1.80	13	<10	230	0.8	<2	1.30	<0.5	11	27	20	3.20
CC108268		0.26	0.004	<0.2	1.78	17	<10	210	0.7	<2	1.95	<0.5	10	26	20	3.19
CC108269		0.30	0.003	<0.2	2.09	13	<10	290	0.7	<2	0.27	<0.5	9	32	14	3.14
CC108270		0.26	0.002	<0.2	2.06	12	<10	270	0.7	<2	0.79	<0.5	9	29	14	3.15
CC108271		0.18	0.001	<0.2	2.25	12	<10	250	0.7	<2	0.40	<0.5	10	29	11	3.22
CC108272		0.26	0.003	<0.2	1.97	14	<10	250	0.8	<2	0.68	<0.5	10	30	15	3.28
CC108273		0.20	0.004	0.2	1.10	12	<10	270	0.5	<2	5.90	0.5	6	18	30	2.68
CC108274		0.32	0.005	0.3	1.34	13	<10	220	0.5	<2	2.65	<0.5	11	28	34	2.98
CC108275		0.36	0.003	<0.2	1.22	11	<10	190	<0.5	<2	6.8	<0.5	11	26	40	2.70
CC108276		0.30	0.002	<0.2	1.47	9	<10	290	0.5	<2	0.61	<0.5	9	25	12	3.06
CC108277		0.40	0.003	0.2	1.50	16	<10	230	0.6	<2	5.73	0.8	12	24	48	3.22
CC108278		0.20	0.002	<0.2	1.21	14	<10	220	0.5	<2	4.21	<0.5	9	23	34	2.93
CC108279		0.20	0.002	<0.2	1.61	16	<10	230	0.7	<2	2.63	<0.5	9	23	26	3.29
CC108280		0.22	0.003	<0.2	2.05	16	<10	270	0.9	<2	1.32	<0.5	10	28	18	3.60
CC108281		0.26	0.003	0.2	1.59	12	<10	240	0.6	<2	1.48	<0.5	8	26	20	2.81
CC108282		0.26	0.004	<0.2	1.85	13	<10	220	0.7	<2	0.67	<0.5	9	28	12	3.21
CC108283		0.32	0.004	<0.2	1.97	18	<10	200	0.8	<2	1.87	<0.5	11	29	20	3.54
CC108284		0.24	0.002	<0.2	2.05	13	<10	280	0.6	<2	0.96	<0.5	8	27	8	2.78
CC108285		0.22	0.003	<0.2	2.18	16	<10	310	0.8	<2	1.05	<0.5	11	32	17	3.54
CC108286		0.32	0.003	<0.2	1.78	11	<10	210	0.7	<2	0.66	<0.5	11	27	12	3.25
CC108287		0.22	0.003	<0.2	1.80	8	<10	190	0.8	<2	1.63	<0.5	10	27	15	3.07
CC108288		0.22	0.002	<0.2	1.56	15	<10	200	0.6	<2	2.58	<0.5	9	24	12	3.44
CC108289		0.26	0.003	0.2	1.71	16	<10	350	0.8	<2	1.17	0.7	14	28	44	3.59
CC108290		0.22	0.003	0.2	1.46	11	<10	190	0.6	<2	0.61	<0.5	10	25	21	2.99
CC108291		0.24	0.003	<0.2	2.17	13	<10	220	0.7	<2	0.22	<0.5	10	32	14	3.39
CC108292		0.20	0.003	<0.2	2.00	14	<10	260	0.7	<2	0.35	<0.5	9	29	11	3.67
CC108293		0.24	0.002	<0.2	1.77	14	<10	320	0.5	<2	0.35	<0.5	9	29	11	3.07
CC108294		0.28	0.003	<0.2	1.33	16	<10	200	0.5	<2	7.1	0.6	11	22	44	2.97
CC108295		0.30	0.002	<0.2	1.54	18	<10	330	0.7	<2	8.0	0.8	12	25	52	3.23
CC108296		0.30	0.006	<0.2	1.30	16	<10	390	0.6	<2	5.24	0.7	11	22	41	2.87
CC108297		0.26	0.003	0.2	1.33	17	<10	460	0.7	<2	3.52	0.9	11	23	44	3.15
CC108298		0.16	0.004	<0.2	0.71	5	<10	440	<0.5	<2	4.75	1.0	6	12	36	1.49
CC108299		0.24	0.002	<0.2	1.78	16	<10	390	0.9	<2	3.01	0.5	11	27	58	3.55
CC108300		0.28	0.003	<0.2	1.40	12	<10	220	0.5	<2	4.09	0.5	13	40	48	3.12
CC108301		0.26	0.002	<0.2	1.03	11	<10	140	<0.5	<2	7.1	<0.5	9	25	32	2.37

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7- SEP- 2010
Account: RCM

Project: RAU (Kathy, Beaver)

CERTIFICATE OF ANALYSIS VA10120380

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC108262		<10	1	0.08	10	1.59	699	1	0.01	26	700	30	0.02	<2	4	22
CC108263		10	<1	0.07	10	1.14	666	1	0.01	27	520	24	0.01	<2	4	17
CC108264		10	<1	0.09	20	1.17	502	1	0.01	26	590	27	0.02	<2	5	20
CC108265		10	<1	0.06	20	0.62	427	1	<0.01	28	210	25	0.01	<2	6	11
CC108266		10	1	0.05	10	0.74	425	1	0.01	21	200	22	0.01	<2	5	13
CC108267		<10	1	0.07	20	1.15	826	1	0.01	27	500	29	0.02	<2	5	17
CC108268		10	<1	0.06	10	1.63	730	1	0.01	25	440	26	0.02	<2	4	18
CC108269		10	1	0.05	20	0.56	414	1	0.01	23	180	21	0.01	<2	5	11
CC108270		10	<1	0.05	10	0.83	437	<1	0.01	22	230	27	0.01	<2	5	13
CC108271		10	1	0.05	10	0.57	378	1	0.01	19	200	26	0.01	<2	4	12
CC108272		10	<1	0.07	10	0.75	644	1	0.01	21	200	24	0.02	<2	5	15
CC108273		<10	<1	0.08	10	3.34	794	1	0.02	17	810	35	0.06	<2	3	42
CC108274		<10	1	0.08	20	1.77	620	1	0.02	27	990	23	0.02	<2	4	33
CC108275		<10	1	0.10	10	3.04	893	1	0.02	29	880	26	0.01	<2	4	76
CC108276		<10	<1	0.08	10	0.74	757	1	0.01	20	430	24	0.02	<2	3	16
CC108277		<10	1	0.17	10	2.98	1090	2	0.02	32	730	36	0.02	<2	5	60
CC108278		<10	1	0.09	10	2.71	872	1	0.01	24	720	24	0.05	<2	3	32
CC108279		10	1	0.06	10	1.46	759	1	0.01	22	580	32	0.04	<2	4	25
CC108280		10	<1	0.06	20	1.17	657	1	0.01	24	340	35	0.02	2	6	15
CC108281		10	1	0.06	10	1.04	315	<1	0.01	23	470	23	0.03	<2	4	20
CC108282		10	<1	0.07	10	0.81	283	<1	0.01	24	340	25	0.02	<2	5	13
CC108283		<10	<1	0.07	20	1.61	668	1	0.01	27	480	38	0.02	<2	6	19
CC108284		10	<1	0.05	10	0.84	292	<1	0.01	15	240	20	0.02	<2	4	14
CC108285		10	<1	0.07	20	1.04	599	<1	0.01	26	330	28	0.02	<2	7	16
CC108286		10	<1	0.07	20	0.93	379	<1	0.01	23	330	28	0.01	<2	5	12
CC108287		<10	<1	0.07	20	1.41	290	<1	0.01	23	360	29	0.02	<2	5	17
CC108288		<10	<1	0.09	10	2.02	518	<1	0.01	19	570	36	0.02	<2	5	23
CC108289		<10	<1	0.15	10	0.91	844	1	0.01	35	850	43	0.04	<2	4	26
CC108290		10	<1	0.07	20	0.81	473	<1	0.01	29	590	21	0.01	<2	4	17
CC108291		10	1	0.06	10	0.56	255	<1	<0.01	25	270	18	0.01	<2	3	11
CC108292		10	<1	0.06	10	0.65	624	<1	0.01	20	290	26	0.02	<2	5	11
CC108293		10	<1	0.06	10	0.56	431	<1	0.01	18	160	20	0.01	<2	4	12
CC108294		<10	1	0.14	10	3.14	843	1	0.01	28	700	35	0.02	<2	4	80
CC108295		10	1	0.21	10	3.21	858	2	0.02	38	690	44	0.01	<2	5	93
CC108296		<10	<1	0.14	10	2.65	848	1	0.02	29	780	35	0.05	<2	3	53
CC108297		10	<1	0.13	10	1.58	1020	1	0.02	28	870	35	0.08	<2	3	40
CC108298		<10	1	0.07	<10	0.85	303	<1	0.02	17	840	16	0.24	<2	1	60
CC108299		<10	1	0.15	10	1.61	636	1	0.01	34	580	36	0.06	<2	4	35
CC108300		<10	<1	0.09	10	2.21	1315	1	0.02	36	910	28	0.01	<2	4	48
CC108301		<10	<1	0.07	10	2.81	726	1	0.02	24	870	21	0.01	<2	3	73

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Finalized Date: 7- SEP- 2010
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CERTIFICATE OF ANALYSIS VA10120380

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC108262		<20	0.02	<10	<10	44	<10	116
CC108263		<20	0.02	<10	<10	50	<10	88
CC108264		<20	0.03	<10	<10	51	<10	102
CC108265		<20	0.04	<10	<10	63	<10	84
CC108266		<20	0.03	<10	<10	59	<10	79
CC108267		<20	0.02	<10	<10	52	<10	75
CC108268		<20	0.02	<10	<10	53	<10	91
CC108269		<20	0.03	<10	<10	63	<10	71
CC108270		<20	0.02	<10	<10	60	<10	74
CC108271		<20	0.02	<10	<10	67	<10	106
CC108272		<20	0.03	<10	<10	61	<10	119
CC108273		<20	0.01	<10	<10	34	<10	142
CC108274		<20	0.05	<10	<10	47	<10	105
CC108275		<20	0.07	<10	<10	41	<10	114
CC108276		<20	0.03	<10	<10	48	<10	132
CC108277		<20	0.03	<10	<10	45	<10	157
CC108278		<20	0.02	<10	<10	44	<10	100
CC108279		<20	0.01	<10	<10	51	<10	105
CC108280		<20	0.02	<10	<10	61	<10	107
CC108281		<20	0.02	<10	<10	47	<10	80
CC108282		<20	0.02	<10	<10	55	<10	74
CC108283		<20	0.02	<10	<10	54	<10	113
CC108284		<20	0.03	<10	<10	64	<10	90
CC108285		<20	0.03	<10	<10	62	<10	107
CC108286		<20	0.02	<10	<10	54	<10	101
CC108287		<20	0.02	<10	<10	52	<10	98
CC108288		<20	0.02	<10	<10	51	<10	110
CC108289		<20	0.02	<10	<10	54	<10	163
CC108290		<20	0.03	<10	<10	47	<10	90
CC108291		<20	0.03	<10	<10	61	<10	67
CC108292		<20	0.02	<10	<10	61	<10	100
CC108293		<20	0.04	<10	<10	58	<10	90
CC108294		<20	0.03	<10	<10	43	<10	148
CC108295		<20	0.03	<10	<10	47	<10	176
CC108296		<20	0.02	<10	<10	40	<10	166
CC108297		<20	0.01	<10	<10	41	<10	175
CC108298		<20	0.01	<10	<10	22	<10	111
CC108299		<20	0.01	<10	<10	52	<10	160
CC108300		<20	0.06	<10	<10	48	<10	112
CC108301		<20	0.06	<10	<10	36	<10	86

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7- SEP- 2010
Account: RCM

Project: RAU (Kathy, Beaver)

CERTIFICATE OF ANALYSIS VA10120380

Sample Description	Method / Analyte / Units / LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC108302		0.24	0.003	<0.2	1.14	11	<10	160	<0.5	<2	5.05	<0.5	9	25	34	2.57
CC108303		0.28	0.003	<0.2	1.30	17	<10	260	0.6	<2	7.1	0.7	10	22	41	2.90
CC108304		0.22	0.003	<0.2	0.97	11	<10	290	<0.5	<2	8.0	0.6	14	22	32	2.46
CC108305		0.22	0.002	<0.2	1.12	10	<10	160	<0.5	<2	7.1	<0.5	10	30	25	2.68
CC108306		0.30	0.003	0.2	1.39	13	<10	200	0.6	<2	5.81	0.6	11	29	39	3.22

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Project: RAU (Kathy, Beaver)

CERTIFICATE OF ANALYSIS VA10120380

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC108302		<10	<1	0.07	10	2.56	703	1	0.02	24	900	21	0.01	<2	4	54
CC108303		10	<1	0.15	10	3.20	834	1	0.01	28	710	37	0.02	<2	4	76
CC108304		<10	1	0.10	10	3.88	1200	1	0.02	30	760	42	0.01	<2	3	78
CC108305		<10	1	0.09	10	4.52	632	1	0.02	25	900	20	0.02	<2	3	53
CC108306		10	1	0.15	10	3.72	890	1	0.02	30	870	32	0.02	<2	4	50

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Project: RAU (Kathy, Beaver)

CERTIFICATE OF ANALYSIS VA10120380

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC108302		<20	0.06	<10	<10	41	<10	87
CC108303		<20	0.02	<10	<10	41	<10	145
CC108304		<20	0.03	<10	<10	36	<10	109
CC108305		<20	0.09	<10	<10	41	<10	99
CC108306		<20	0.06	<10	<10	47	<10	149

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VANCOUVER BC V6B 1L8

Finalized Date: 8- SEP- 2010
Account: RCM

CERTIFICATE VA10120384

Project: RAU

P.O. No.: BATCH 71

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 26- AUG- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- 31	Fine crushing - 70% < 2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Pb- OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn- OG62	Ore Grade Zn - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 8- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10120384

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
I077011		2.16	0.01	1.01	7.35	41.5	170	1.31	0.08	5.12	2.22	95.2	34.2	127	4.52	86.4
I077012		2.54	0.01	1.54	3.32	57	960	0.77	0.09	10.60	3.02	50.5	18.9	58	2.05	48.4
I077013		4.68	0.01	0.69	8.78	45.0	2680	1.36	0.11	2.81	1.26	110.5	33.3	136	8.49	107.5
I077014		3.50	0.02	0.39	9.37	52.9	1000	1.95	0.12	3.22	0.21	138.5	12.8	103	6.96	42.5
I077015		0.26	0.40	6.80	5.25	1.0	80	1.05	1.33	1.33	0.03	18.35	8.7	29	20.0	13.7
I077016		3.90	0.01	0.19	1.49	130	1420	0.37	0.41	17.15	0.25	30.8	8.6	11	1.18	20.9
I077017		3.44	<0.01	0.06	0.05	13	60	0.13	0.23	20.3	0.21	1.88	1.3	1	<0.05	1.9
I077018		11.48	<0.01	0.05	0.15	6	300	0.09	0.02	35.1	2.14	1.79	0.6	1	0.09	1.1
I077019		10.40	<0.01	0.19	0.29	<5	4530	0.14	0.17	31.5	22.4	7.02	0.9	4	0.48	4.1
I077020		4.04	<0.01	19.10	0.09	14	1050	0.09	0.93	27.4	79.7	12.80	1.0	1	0.05	9.3
I077021		10.66	<0.01	0.44	0.12	<5	3210	0.17	0.06	34.8	25.1	3.33	0.7	1	0.13	1.1
I077022		4.46	<0.01	0.09	0.09	9	400	0.12	0.25	19.95	0.84	1.63	1.3	1	0.05	1.8
I077023		2.88	<0.01	1.95	0.05	7	1700	0.23	0.43	15.85	87.2	1.33	1.2	<1	0.08	8.3
I077024		4.08	<0.01	0.02	0.05	<5	210	0.05	0.04	20.3	0.20	1.08	1.7	<1	0.11	1.9
I077025		1.94	<0.01	0.84	0.06	5	930	0.12	0.41	19.60	7.20	1.85	1.4	1	<0.05	6.1
I077026		5.00	<0.01	0.14	0.08	16	190	0.15	0.19	20.2	1.51	1.87	1.5	<1	0.09	3.4
I077027		5.44	<0.01	0.13	0.07	12	110	0.15	0.20	20.3	0.65	2.34	1.7	<1	0.10	1.3
I077028		5.42	<0.01	0.39	0.11	68	120	0.14	2.92	19.70	0.66	2.62	1.7	<1	0.10	2.6
I077029		5.20	0.01	0.48	0.80	54	930	0.23	0.04	19.70	1.44	4.58	4.9	14	0.25	10.0
I077030		3.18	<0.01	0.40	0.66	47	1390	0.37	0.03	19.25	4.88	5.89	2.4	6	0.32	6.4
I077031		2.14	<0.01	0.27	0.12	23	190	0.15	0.01	13.55	3.35	1.90	7.1	3	0.06	4.7
I077032		3.06	0.01	1.06	6.42	26	3980	0.70	0.35	11.75	5.33	25.8	14.5	141	1.32	20.8
I077033		0.26	8.26	24.7	5.47	7.6	50	1.36	1.33	1.51	0.03	6.05	9.5	37	60.2	20.1
I077034		3.50	<0.01	0.12	0.10	<5	90	0.10	0.01	20.7	0.90	2.04	1.9	<1	0.08	2.4
I077035		11.82	<0.01	0.11	0.05	6	80	0.05	0.01	35.8	0.14	0.92	0.6	1	<0.05	4.0
I077036		5.26	<0.01	0.19	0.68	6	880	0.18	0.01	16.85	0.63	2.20	3.7	12	0.24	5.1
I077037		3.84	<0.01	0.09	0.06	5	70	0.09	<0.01	20.0	0.71	1.44	1.7	1	<0.05	3.1
I077038		1.74	<0.01	0.05	0.05	<5	60	0.07	<0.01	19.00	0.62	1.33	1.7	<1	<0.05	2.6
I077039		2.90	0.01	0.40	5.48	52	3740	0.51	0.02	11.00	1.19	15.50	13.0	141	1.30	28.5
I077040		3.72	<0.01	0.20	0.49	8	430	0.11	0.01	17.05	0.94	3.40	4.4	9	0.13	5.4
I077041		1.72	<0.01	0.10	0.04	<5	70	0.06	0.01	12.10	1.09	0.45	1.4	2	<0.05	1.0
I077042		0.64	0.06	2.15	8.05	60.8	>10000	1.51	3.38	4.86	3.15	13.10	10.2	214	2.19	27.0
I077043		1.94	<0.01	1.04	0.43	7	920	0.16	0.22	14.00	1.37	4.40	2.7	15	0.09	6.2
I077044		4.92	<0.01	0.17	0.25	6	1020	0.15	0.25	14.30	0.66	3.96	1.3	5	0.08	2.6
I077045		4.10	<0.01	0.01	0.06	<5	30	0.06	0.02	19.75	0.07	1.20	1.8	<1	0.11	1.8
I077046		7.82	<0.01	0.08	0.98	7	150	0.25	0.01	30.4	0.19	16.90	3.6	19	0.21	2.8

***** See Appendix Page for comments regarding this certificate *****

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 8- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10120384

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I077011		7.73	23.5	0.30	0.8	0.089	3.47	44.1	12.8	2.87	532	0.55	0.11	34.9	55.8	2590
I077012		7.61	10.90	0.22	1.0	0.060	1.46	33.7	6.2	6.42	894	1.03	0.07	17.6	46.3	2560
I077013		9.44	28.2	0.33	0.9	0.097	4.14	54.0	12.4	1.90	495	0.74	0.15	19.2	69.3	2830
I077014		6.22	28.1	0.40	1.0	0.097	4.38	72.1	10.0	2.21	196	1.57	0.16	26.2	58.4	3840
I077015		2.08	16.85	0.23	1.3	0.022	3.50	11.2	9.4	0.62	287	9.15	1.26	2.6	8.4	480
I077016		1.15	5.26	0.21	1.0	0.013	0.65	20.2	4.7	10.60	365	10.40	0.05	7.7	107.0	2160
I077017		0.19	0.37	0.69	<0.1	<0.005	0.02	1.4	3.6	12.75	217	0.54	0.02	0.3	7.3	710
I077018		0.10	0.51	0.36	<0.1	<0.005	0.06	1.0	0.5	0.35	154	0.06	0.01	0.5	1.6	20
I077019		0.36	0.97	0.22	0.1	0.014	0.10	4.2	1.6	0.92	1090	0.17	0.04	0.8	3.6	20
I077020		0.27	1.06	<0.05	<0.1	0.022	0.03	7.3	0.3	0.20	1810	0.28	0.01	0.4	<0.2	30
I077021		0.22	0.59	<0.05	<0.1	<0.005	0.05	2.3	0.2	0.35	689	0.13	0.03	0.6	<0.2	20
I077022		0.24	0.62	0.67	<0.1	0.011	0.03	1.0	2.0	12.30	306	0.28	0.02	0.4	<0.2	140
I077023		0.38	0.84	0.38	<0.1	0.010	0.02	0.8	2.1	8.95	1070	0.45	0.02	0.3	1.4	70
I077024		0.45	0.55	0.58	<0.1	<0.005	0.02	0.5	0.9	12.75	198	0.08	0.01	0.4	<0.2	180
I077025		0.28	0.72	0.68	<0.1	<0.005	0.02	1.0	2.2	12.30	413	0.63	0.02	0.4	<0.2	220
I077026		0.37	0.74	0.52	<0.1	0.010	0.03	1.0	2.8	12.50	1200	0.56	0.01	0.4	<0.2	220
I077027		0.12	0.86	0.81	<0.1	0.007	0.01	1.4	3.7	12.90	324	0.47	0.01	0.5	<0.2	80
I077028		0.62	0.95	0.39	0.1	0.012	0.02	1.5	3.1	12.45	331	0.79	0.02	0.5	1.5	170
I077029		1.96	1.72	<0.05	0.4	0.005	0.38	2.3	4.1	12.30	404	2.54	0.02	1.8	20.6	540
I077030		1.36	2.00	<0.05	0.4	0.005	0.30	3.1	3.7	11.70	633	3.86	0.03	2.3	11.8	1030
I077031		0.87	0.59	<0.05	0.1	<0.005	0.05	1.0	1.3	8.75	605	2.20	0.01	0.7	9.1	220
I077032		2.94	14.00	0.06	2.1	0.019	3.25	11.4	10.7	7.54	469	4.63	0.07	6.8	60.7	1220
I077033		2.19	16.50	0.11	1.0	0.020	3.80	2.5	17.4	0.68	311	22.6	1.22	2.0	15.7	690
I077034		0.30	0.52	0.41	0.1	<0.005	0.05	1.0	2.5	13.00	369	0.82	0.02	0.5	1.3	230
I077035		0.07	0.29	0.14	<0.1	0.044	0.02	1.1	<0.2	0.46	125	0.07	<0.01	0.5	<0.2	10
I077036		0.68	1.65	0.13	0.3	<0.005	0.32	1.0	3.2	10.55	227	1.34	0.02	1.0	12.1	350
I077037		0.31	0.56	0.60	<0.1	0.011	0.02	0.8	2.7	12.60	245	0.61	0.01	0.5	2.3	70
I077038		0.18	0.57	0.68	<0.1	0.020	0.02	0.8	2.4	12.05	229	0.39	0.01	0.4	0.7	50
I077039		3.74	12.90	0.08	1.1	0.016	2.71	7.6	8.4	7.25	206	5.35	0.08	7.3	64.3	730
I077040		0.69	1.18	<0.05	0.2	<0.005	0.23	2.0	2.8	10.75	258	1.15	0.02	1.1	12.2	160
I077041		0.22	0.45	0.47	<0.1	<0.005	0.01	<0.5	0.9	7.53	206	0.62	0.01	0.2	2.7	10
I077042		4.15	12.35	0.17	3.4	0.012	3.43	6.8	15.0	3.36	421	7.10	0.23	8.9	55.0	710
I077043		0.51	0.86	0.06	0.2	<0.005	0.16	2.8	3.3	8.75	208	0.96	0.02	1.0	10.6	160
I077044		0.21	0.84	0.29	0.1	<0.005	0.09	2.6	2.7	9.17	292	0.81	0.03	1.1	3.1	550
I077045		0.45	0.50	0.46	<0.1	<0.005	0.02	0.6	0.9	12.50	202	0.24	0.01	0.4	0.8	280
I077046		0.79	2.55	<0.05	0.6	0.014	0.61	8.0	2.8	1.12	364	0.98	0.01	7.4	1.7	400

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Project: RAU

CERTIFICATE OF ANALYSIS VA10120384

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I077011		131.0	75.0	<0.002	5.09	6.33	21.1	2	2.0	176.0	1.97	0.05	5.6	0.885	1.00	1.4
I077012		127.0	28.9	<0.002	0.21	9.29	8.0	2	1.0	234	0.99	0.08	3.0	0.428	0.60	2.1
I077013		62.7	93.5	<0.002	1.43	6.90	22.5	2	2.3	222	1.18	0.05	6.8	0.600	1.46	1.7
I077014		25.8	85.4	0.002	1.37	11.25	19.1	3	3.6	326	1.54	0.10	5.9	0.750	1.64	2.9
I077015		13.6	770	<0.002	0.02	0.77	7.9	1	1.2	57.8	0.22	<0.05	1.3	0.248	6.44	0.6
I077016		12.1	16.0	0.003	0.02	3.98	3.3	4	0.9	221	0.42	0.06	1.2	0.219	0.78	15.7
I077017		5.7	0.9	<0.002	0.01	0.32	0.2	1	<0.2	96.5	<0.05	<0.05	<0.2	<0.005	0.06	7.2
I077018		38.1	3.3	<0.002	0.01	0.28	0.3	1	<0.2	186.5	<0.05	<0.05	0.2	0.008	0.03	0.3
I077019		275	7.7	<0.002	0.15	1.76	0.6	2	1.2	364	<0.05	<0.05	0.4	0.018	0.13	0.4
I077020		>10000	1.9	<0.002	0.29	14.45	0.4	3	2.1	1645	<0.05	<0.05	0.2	0.005	0.07	0.6
I077021		733	3.1	0.007	0.09	2.60	0.4	1	0.2	127.5	<0.05	<0.05	0.2	0.006	0.06	0.6
I077022		19.9	1.7	<0.002	0.01	0.35	0.3	1	0.3	67.7	<0.05	<0.05	0.2	<0.005	0.04	2.0
I077023		262	1.6	<0.002	0.18	6.57	0.3	4	0.8	1210	<0.05	<0.05	<0.2	<0.005	0.18	1.0
I077024		13.2	1.2	<0.002	0.02	<0.05	0.3	<1	<0.2	50.0	<0.05	<0.05	<0.2	<0.005	<0.02	0.7
I077025		86.9	1.1	<0.002	0.04	3.47	0.6	1	<0.2	74.2	<0.05	<0.05	<0.2	<0.005	0.05	2.1
I077026		24.0	1.8	<0.002	0.01	0.27	0.4	1	0.2	62.1	<0.05	<0.05	<0.2	<0.005	0.05	2.4
I077027		13.9	1.3	<0.002	<0.01	0.27	0.3	<1	0.6	64.3	<0.05	<0.05	<0.2	<0.005	0.03	1.0
I077028		18.1	1.5	<0.002	<0.01	0.49	0.6	1	0.8	59.6	<0.05	<0.05	<0.2	<0.005	0.04	1.8
I077029		53.7	10.5	0.002	0.01	1.77	2.4	1	0.2	61.7	0.10	<0.05	0.6	0.049	0.20	6.5
I077030		91.8	11.8	0.003	0.03	1.85	1.6	2	0.2	69.8	0.13	<0.05	1.0	0.043	0.20	9.6
I077031		59.6	1.6	<0.002	0.01	1.83	0.5	1	<0.2	44.5	<0.05	<0.05	0.2	0.015	0.27	1.8
I077032		344	63.6	0.007	0.03	2.44	15.0	1	1.0	47.2	0.39	<0.05	2.9	0.306	1.10	9.4
I077033		6.1	1600	<0.002	0.03	0.80	8.5	1	1.0	63.6	0.21	<0.05	0.5	0.263	13.90	0.3
I077034		24.5	2.6	<0.002	0.01	0.75	0.6	1	<0.2	59.6	<0.05	<0.05	<0.2	0.006	0.06	1.9
I077035		8.3	1.3	<0.002	0.02	0.87	0.2	1	1.7	168.0	<0.05	<0.05	<0.2	<0.005	0.02	0.8
I077036		30.7	8.1	0.002	0.01	0.82	1.8	1	0.2	50.2	0.05	<0.05	0.4	0.031	0.13	3.3
I077037		16.5	0.7	<0.002	0.01	0.78	0.5	1	<0.2	50.0	<0.05	<0.05	<0.2	<0.005	0.02	0.9
I077038		13.4	0.6	<0.002	0.01	0.52	0.5	<1	<0.2	48.7	<0.05	<0.05	<0.2	<0.005	0.02	0.7
I077039		21.0	51.2	0.006	0.04	3.10	14.2	1	1.2	43.9	0.43	<0.05	1.8	0.310	1.07	4.4
I077040		14.0	5.4	<0.002	0.01	1.02	1.8	1	0.2	55.2	0.06	<0.05	0.3	0.030	0.09	1.6
I077041		11.6	0.4	<0.002	<0.01	0.94	0.2	<1	<0.2	39.4	<0.05	<0.05	<0.2	<0.005	0.05	0.2
I077042		335	78.5	0.024	0.02	4.72	15.0	33	2.7	24.9	0.55	<0.05	3.2	0.414	1.17	9.7
I077043		25.1	5.0	0.002	0.01	0.99	1.0	3	0.2	63.6	0.05	<0.05	0.3	0.026	0.06	1.4
I077044		14.2	3.5	<0.002	0.02	0.95	0.6	1	0.2	65.6	0.06	<0.05	0.3	0.024	0.04	4.3
I077045		2.1	1.2	<0.002	0.02	<0.05	0.3	1	<0.2	45.1	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
I077046		4.7	13.6	0.002	0.64	0.18	1.8	1	0.5	275	0.41	<0.05	1.4	0.100	0.06	0.8

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 8- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10120384

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Pb- OG62 Pb % 0.001	Zn- OG62 Zn % 0.001
I077011		235	2.3	12.5	447	33.8		
I077012		122	1.5	16.9	1310	44.8		
I077013		275	1.9	12.7	900	42.5		
I077014		188	2.2	13.2	504	43.3		
I077015		52	0.4	11.1	25	48.0		
I077016		78	0.6	9.5	170	41.3		
I077017		14	0.1	2.4	53	1.2		
I077018		2	0.2	0.7	150	2.0		
I077019		7	1.7	3.3	2680	3.3		
I077020		3	2.3	4.3	>10000	1.0	2.55	2.12
I077021		7	1.2	3.2	1280	1.7		
I077022		6	0.2	1.2	296	1.7		
I077023		5	3.7	0.9	>10000	0.9		1.850
I077024		2	0.1	0.8	58	<0.5		
I077025		6	0.2	1.5	1310	1.4		
I077026		6	0.2	1.3	375	1.9		
I077027		6	0.4	1.3	118	1.7		
I077028		8	0.2	1.7	289	2.0		
I077029		26	0.4	3.0	751	14.8		
I077030		28	1.3	3.6	987	14.1		
I077031		10	1.7	1.3	644	3.3		
I077032		123	1.5	7.0	1660	76.1		
I077033		55	0.4	8.4	30	36.1		
I077034		7	0.3	1.4	242	2.5		
I077035		3	0.1	1.8	26	0.7		
I077036		18	0.2	1.7	266	9.7		
I077037		8	0.2	1.0	184	1.6		
I077038		7	0.1	0.9	129	1.3		
I077039		118	1.1	3.9	1030	39.8		
I077040		15	0.3	1.7	323	8.0		
I077041		1	1.7	0.4	157	0.9		
I077042		150	5.4	5.5	2030	111.0		
I077043		14	9.1	1.4	318	6.7		
I077044		13	0.6	1.4	203	5.1		
I077045		2	0.1	0.9	13	<0.5		
I077046		10	0.2	6.5	21	24.6		

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU

Finalized Date: 8- SEP- 2010
Account: RCM

CERTIFICATE OF ANALYSIS VA10120384

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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Finalized Date: 6- SEP- 2010
Account: RCM

CERTIFICATE VA10120385

Project: RAU

P.O. No.: BATCH 72

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 26- AUG- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- 31	Fine crushing - 70% < 2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 6- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10120385

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
I077047		5.26	0.02	0.15	0.94	50	260	0.24	0.02	32.8	0.08	24.9	18.9	150	0.23	5.2
I077048		7.54	<0.01	0.01	0.22	7	100	0.05	0.01	35.7	0.02	2.53	0.9	4	0.06	1.3
I077049		7.64	<0.01	0.06	1.34	7	80	0.29	0.03	30.1	0.11	14.40	3.6	10	0.58	4.0
I077050		6.32	<0.01	0.09	1.16	31	160	0.33	0.09	32.1	0.14	23.4	12.3	32	0.70	3.6
I077051		7.78	<0.01	0.11	0.94	8	110	0.11	0.03	34.0	0.19	22.9	19.2	59	0.38	4.4
I077052		8.04	<0.01	0.24	7.35	<5	200	0.72	0.02	10.70	0.09	49.7	47.0	215	5.91	41.6
I077053		7.94	0.01	0.10	1.93	18	570	0.40	0.06	30.0	0.11	24.0	9.0	59	1.04	9.1
I077054		5.64	<0.01	0.24	6.39	3.7	1390	0.99	0.20	9.24	0.07	68.9	42.9	237	9.76	52.3
I077055		4.80	<0.01	0.01	0.10	8	20	0.06	0.03	21.5	0.06	1.50	1.7	<1	0.20	2.1
I077056		5.46	0.01	0.19	6.41	15	1700	1.05	0.24	15.15	0.05	66.4	38.1	185	6.42	40.0
I077057		0.28	0.40	1.70	0.16	6630	50	0.05	73.6	17.10	2.16	13.60	2.0	5	0.33	17.6
I077058		8.00	1.68	0.11	0.18	5060	40	0.07	62.6	24.3	0.07	15.45	1.7	1	0.28	4.0
I077059		5.72	0.01	0.66	4.80	98.4	80	0.80	97.2	0.85	0.04	27.8	26.8	197	36.8	1080
I077060		6.36	0.01	0.62	5.42	20.5	50	1.09	429	0.98	0.02	33.7	18.0	220	22.4	817
I077061		7.74	<0.01	0.06	1.53	13	150	0.42	0.80	31.4	0.09	13.80	6.6	27	1.46	6.0
I077062		7.50	<0.01	0.19	3.17	31	780	0.74	0.15	22.9	0.08	30.2	13.3	59	1.04	12.7
I077063		7.74	0.04	0.27	2.54	29	510	0.69	3.78	18.80	0.05	28.1	11.2	44	1.40	13.1
I077064		8.34	0.01	0.07	0.11	12	50	0.10	0.60	21.5	0.12	6.04	1.6	<1	0.73	1.5
I077065		7.98	0.01	0.17	0.12	22	60	0.07	3.07	20.9	0.52	7.26	1.7	<1	1.03	2.0
I077066		7.78	<0.01	0.13	0.28	20	140	0.20	1.71	22.6	0.24	6.36	1.9	3	0.87	1.8
I077067		6.70	<0.01	0.06	0.79	15	140	0.18	0.04	33.9	0.10	15.90	7.1	29	0.16	3.9
I077068		8.94	<0.01	0.06	0.90	16	160	0.20	0.05	33.5	0.08	11.50	3.7	10	0.29	5.5
I077069		7.90	0.01	0.26	7.35	6.3	540	0.96	0.14	8.77	0.09	47.9	60.7	245	2.70	77.2
I077070		9.38	<0.01	0.25	7.16	6.2	350	0.88	0.05	9.23	0.11	47.7	59.2	222	2.19	50.6
I077071		10.72	<0.01	0.22	6.51	38	820	1.06	0.33	15.60	0.10	47.1	53.3	194	25.7	50.1
I077072		9.80	<0.01	0.11	1.70	38	360	0.25	0.03	31.8	0.14	22.4	17.4	49	5.46	8.9
I077073		9.60	<0.01	0.33	9.27	9.6	1760	1.54	0.11	5.15	0.03	83.1	63.7	382	45.8	43.9
I077074		4.90	<0.01	0.34	9.02	11.6	1870	1.74	0.10	4.36	0.03	71.3	68.4	396	44.9	46.0
I077075		9.68	<0.01	0.34	7.75	20.6	1440	1.41	0.33	7.17	0.09	92.8	50.0	237	27.1	34.4
I077076		8.02	1.41	0.62	5.12	71.0	100	1.10	1.44	1.07	0.12	13.40	24.2	160	26.5	478
I077077		8.02	0.01	0.03	0.21	15	90	0.07	0.03	38.2	0.11	4.42	1.5	2	0.21	2.2
I077078		8.86	0.02	0.07	0.30	94	140	0.12	0.54	37.2	0.16	3.47	1.7	3	0.56	2.8
I077079		9.68	0.02	0.07	0.32	41	180	0.14	0.21	32.5	0.19	4.18	1.6	4	0.31	1.9
I077080		3.36	0.11	0.68	0.66	544	280	0.20	3.62	25.8	0.64	7.61	4.2	10	1.92	10.1
I077081		7.82	<0.01	0.04	0.06	<5	20	0.05	0.03	22.0	0.06	1.09	1.6	<1	0.23	3.3
I077082		4.94	0.26	1.00	0.92	1260	1000	0.39	7.11	27.7	0.72	15.50	5.0	15	2.07	26.1

***** See Appendix Page for comments regarding this certificate *****

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 6- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10120385

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I077047		3.52	2.75	0.08	0.5	0.020	0.54	10.0	3.3	0.47	1020	0.48	<0.01	24.3	9.7	1210
I077048		0.28	0.46	<0.05	0.1	0.006	0.12	1.5	0.7	0.64	112	0.21	<0.01	1.6	<0.2	20
I077049		1.04	3.08	0.05	0.7	0.014	0.79	7.7	4.3	2.48	306	0.91	<0.01	9.0	4.7	140
I077050		2.07	2.66	0.06	0.5	0.014	0.56	10.3	5.1	1.50	1100	0.59	<0.01	8.9	11.6	780
I077051		1.58	2.34	0.05	0.3	0.014	0.20	10.5	3.1	1.08	1200	0.34	0.24	12.8	33.0	430
I077052		7.54	17.05	0.20	1.3	0.060	1.17	24.0	32.1	3.07	1800	0.28	2.30	33.1	220	1570
I077053		2.15	4.38	0.07	0.9	0.023	1.04	15.6	8.5	1.65	328	0.59	0.02	10.3	24.0	590
I077054		6.77	15.35	0.20	1.9	0.044	2.40	35.3	25.4	4.66	785	0.46	0.04	35.7	210	1930
I077055		0.45	0.35	0.13	<0.1	0.005	0.04	0.7	1.4	12.70	194	0.10	<0.01	0.6	2.8	230
I077056		5.80	14.65	0.15	0.9	0.120	3.06	33.3	28.7	3.13	790	1.39	0.06	31.7	175.5	1490
I077057		11.25	1.41	0.20	0.1	0.112	0.06	5.5	2.0	9.00	4840	2.18	<0.01	1.5	5.6	150
I077058		7.29	1.12	0.12	0.1	0.525	0.07	7.2	2.2	5.70	5030	2.22	<0.01	0.7	3.3	40
I077059		16.05	17.95	0.32	2.1	0.027	2.33	14.5	26.2	5.04	189	0.89	0.18	14.8	192.0	1350
I077060		13.70	24.4	0.30	2.2	0.018	1.63	15.5	18.5	4.31	129	1.25	0.24	14.4	152.0	1860
I077061		1.47	3.62	<0.05	0.8	0.014	0.61	8.0	10.6	1.66	899	0.51	<0.01	7.1	13.3	210
I077062		3.51	7.57	0.08	1.1	0.031	1.48	17.8	9.5	2.31	617	0.65	0.02	12.6	29.1	610
I077063		2.87	6.71	0.07	0.9	0.021	0.92	17.0	20.5	9.12	600	0.32	0.01	12.6	25.4	560
I077064		0.98	0.65	0.08	0.1	0.035	0.05	4.8	3.9	12.15	1150	<0.05	<0.01	0.7	1.1	190
I077065		1.78	0.78	0.05	0.1	0.064	0.06	4.4	3.8	11.70	2000	0.05	0.01	0.6	1.9	260
I077066		0.97	1.39	0.08	0.2	0.030	0.13	5.1	4.1	12.90	1080	0.09	<0.01	1.2	2.8	170
I077067		1.12	1.97	0.06	0.5	0.009	0.42	7.5	1.5	0.57	722	0.72	<0.01	7.6	7.8	420
I077068		0.84	2.13	0.05	0.5	0.011	0.46	6.2	2.7	1.12	453	0.60	<0.01	5.5	7.6	120
I077069		8.24	18.00	0.22	1.4	0.059	0.63	23.3	40.7	4.53	1380	0.48	1.31	34.1	249	1450
I077070		7.40	17.85	0.20	1.7	0.061	0.41	23.0	38.4	4.49	1660	0.66	1.43	33.0	242	1430
I077071		7.13	16.95	0.18	1.1	0.050	2.47	22.1	28.4	2.10	1460	0.89	0.51	28.4	229	1080
I077072		3.13	4.28	0.08	0.6	0.015	0.50	9.7	8.5	0.83	1920	0.69	0.11	12.0	51.2	700
I077073		9.69	22.0	0.30	1.1	0.082	4.55	39.4	46.3	2.10	1200	0.76	0.79	46.5	302	1900
I077074		10.15	24.5	0.31	0.4	0.086	4.82	31.2	51.8	2.01	1160	0.79	0.82	47.5	317	1900
I077075		8.28	20.0	0.27	1.3	0.061	3.89	48.9	38.6	1.95	1540	0.74	0.51	45.8	259	2810
I077076		2.07	12.95	0.14	1.5	0.038	3.70	7.4	7.3	0.39	309	4.56	1.21	2.5	494	480
I077077		0.23	0.58	0.06	0.1	<0.005	0.09	3.4	0.6	0.37	196	0.05	<0.01	1.6	1.5	120
I077078		0.43	0.74	0.06	0.2	0.006	0.14	3.2	1.1	0.30	192	0.07	<0.01	1.8	3.0	100
I077079		0.45	0.83	0.08	0.1	0.010	0.16	3.6	1.5	4.57	243	0.06	<0.01	1.8	3.4	80
I077080		1.58	1.76	0.06	0.3	0.036	0.25	5.2	3.7	8.03	690	0.27	0.01	2.4	13.2	150
I077081		0.49	0.36	0.23	<0.1	<0.005	0.03	0.5	1.0	13.10	238	0.12	<0.01	0.4	2.1	180
I077082		3.95	2.62	0.06	0.4	0.057	0.35	11.0	4.7	3.30	764	0.51	0.02	3.5	19.9	250

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 6- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10120385

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I077047		7.0	10.5	0.003	4.30	0.73	4.9	1	1.9	241	1.10	<0.05	1.9	0.414	0.07	0.9
I077048		1.2	2.4	0.002	0.14	0.06	0.8	1	0.3	237	0.05	0.06	0.2	0.027	<0.02	0.4
I077049		1.5	19.7	0.002	0.70	0.14	2.6	1	0.3	258	0.47	<0.05	1.6	0.123	0.10	0.6
I077050		2.4	14.1	0.003	1.88	0.37	2.8	1	0.4	246	0.46	<0.05	1.3	0.136	0.16	0.6
I077051		2.1	6.2	0.002	0.82	0.15	3.7	1	0.3	208	0.52	<0.05	1.2	0.255	0.10	0.4
I077052		2.1	36.6	<0.002	0.11	0.07	24.6	2	2.2	250	1.97	<0.05	3.3	1.205	0.26	0.6
I077053		4.1	28.3	0.004	1.42	0.38	5.2	1	0.5	674	0.62	<0.05	1.6	0.301	0.31	0.9
I077054		4.1	75.7	0.005	1.31	0.12	18.8	1	1.4	118.0	1.98	<0.05	5.9	0.760	0.82	1.4
I077055		1.1	1.7	<0.002	0.01	0.06	0.4	1	<0.2	51.0	<0.05	<0.05	<0.2	0.008	0.05	0.6
I077056		2.1	80.8	0.004	1.22	0.21	18.6	1	1.4	148.5	1.71	<0.05	4.6	0.718	0.80	0.9
I077057		104.0	5.2	0.002	9.77	3.10	0.6	2	3.3	126.0	<0.05	0.10	0.7	0.010	0.08	0.5
I077058		3.3	3.1	0.008	1.52	1.42	0.8	1	0.3	233	<0.05	<0.05	0.2	0.012	0.18	0.8
I077059		2.3	460	0.002	9.74	1.43	14.4	4	5.0	32.8	0.86	0.32	4.3	0.396	2.76	2.0
I077060		3.8	316	0.002	9.28	3.75	17.0	4	6.9	46.5	0.78	1.01	5.1	0.400	3.57	2.4
I077061		1.2	26.5	0.002	0.78	1.15	4.1	1	0.4	858	0.39	<0.05	1.3	0.191	0.26	0.8
I077062		4.7	49.7	0.004	2.00	2.75	8.7	2	0.7	612	0.77	<0.05	2.7	0.354	0.65	1.0
I077063		4.6	28.9	0.003	2.71	4.76	6.7	1	0.9	212	0.74	<0.05	2.1	0.337	0.45	0.7
I077064		7.2	5.5	<0.002	0.36	0.42	0.9	1	0.2	68.0	<0.05	<0.05	<0.2	0.011	0.16	0.2
I077065		16.3	6.1	0.002	0.63	0.68	1.3	1	0.3	84.5	<0.05	<0.05	0.2	0.008	0.15	0.2
I077066		11.3	12.9	<0.002	0.51	0.59	0.8	1	0.7	66.2	0.06	0.05	0.2	0.025	0.14	0.3
I077067		1.4	9.2	0.002	0.06	0.10	2.0	1	0.3	230	0.36	<0.05	1.3	0.113	0.12	0.6
I077068		1.1	12.6	0.002	0.02	0.06	2.0	1	0.2	275	0.29	<0.05	1.0	0.085	0.13	0.5
I077069		3.1	29.3	0.002	<0.01	0.10	25.7	2	1.4	304	1.95	<0.05	3.1	1.210	0.18	0.7
I077070		3.8	19.5	<0.002	<0.01	0.11	24.7	2	1.3	442	1.95	<0.05	3.4	1.175	0.17	0.9
I077071		2.6	167.0	0.003	0.07	0.15	20.1	1	3.3	234	1.58	<0.05	3.4	0.981	1.45	0.7
I077072		2.2	36.8	0.003	0.03	0.09	6.5	1	0.6	168.5	0.62	0.05	1.2	0.277	0.36	0.7
I077073		1.2	330	0.004	0.03	0.20	28.5	2	4.9	86.5	2.59	<0.05	5.4	1.305	2.43	0.8
I077074		1.3	241	0.004	0.05	0.20	27.2	2	5.1	88.0	2.82	<0.05	4.5	1.330	2.55	0.6
I077075		1.9	194.0	0.004	0.22	0.22	21.0	2	2.1	120.0	2.61	<0.05	7.8	0.903	1.33	0.9
I077076		177.0	990	0.002	0.32	2.39	3.3	1	3.1	52.1	2.01	0.16	2.0	0.086	7.75	0.7
I077077		0.9	4.3	0.002	0.02	0.08	0.8	2	<0.2	179.0	0.07	<0.05	0.2	0.024	0.04	0.1
I077078		2.2	7.0	0.002	0.01	0.15	0.9	1	0.2	149.5	0.08	<0.05	0.3	0.036	0.04	0.2
I077079		1.7	6.4	0.002	0.07	0.45	1.0	1	<0.2	130.5	0.08	<0.05	0.3	0.038	0.06	0.2
I077080		12.6	14.1	<0.002	0.01	1.18	1.7	1	0.6	77.9	0.12	0.05	0.6	0.054	0.20	0.4
I077081		1.0	1.7	<0.002	0.01	<0.05	0.3	1	<0.2	41.4	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
I077082		13.1	16.3	0.002	0.02	6.93	2.5	2	0.7	174.0	0.17	0.05	0.9	0.086	0.24	0.5

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 6- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10120385

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5
I077047		70	0.7	14.7	8	23.0
I077048		6	0.1	2.0	3	3.9
I077049		16	0.3	4.7	37	26.7
I077050		20	0.3	10.0	16	20.3
I077051		32	0.3	14.6	17	12.6
I077052		227	0.6	18.8	110	57.8
I077053		50	0.3	12.7	54	34.4
I077054		160	0.6	17.4	127	75.5
I077055		5	0.1	0.9	16	0.7
I077056		132	0.7	15.4	83	37.3
I077057		9	145.5	6.2	470	3.4
I077058		7	340	4.0	30	2.5
I077059		126	2.9	7.1	24	78.9
I077060		143	7.4	6.9	17	88.0
I077061		33	4.1	7.4	35	29.8
I077062		70	3.3	12.4	40	39.4
I077063		56	6.1	9.4	28	34.0
I077064		7	0.7	7.5	26	2.9
I077065		10	0.7	9.6	146	2.3
I077066		17	1.6	6.4	69	6.5
I077067		16	0.2	7.6	12	17.5
I077068		16	0.2	3.9	23	19.1
I077069		250	0.5	19.4	117	49.6
I077070		246	0.5	18.8	130	65.7
I077071		170	0.6	15.8	90	42.9
I077072		58	0.2	15.3	48	26.6
I077073		200	0.8	17.5	58	41.9
I077074		210	0.8	15.5	64	12.3
I077075		117	0.5	20.6	57	54.5
I077076		22	8.4	3.4	147	58.1
I077077		6	0.1	4.8	12	3.6
I077078		8	0.6	4.2	43	4.2
I077079		8	0.3	3.8	26	4.4
I077080		15	3.7	5.7	159	10.3
I077081		4	0.1	0.7	16	<0.5
I077082		20	11.2	9.9	255	13.9

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 6- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10120385

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 30- AUG- 2010
Account: RCM

CERTIFICATE VA10120434

Project: RAU (CHEETAH)

P.O. No.: Batch 5

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 26- AUG- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% < 2mm
LOG- 23	Pulp Login - Rcvd with Barcode
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
As- OG62	Ore Grade As - Four Acid	VARIABLE

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 30- AUG- 2010
Account: RCM

Project: RAU (CHEETAH)

CERTIFICATE OF ANALYSIS VA10120434

Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
J980650		5.54	0.06	0.12	8	30	0.18	0.08	21.7	0.19	3.55	1.7	4	0.07	7.9	0.14
J980651		4.90	0.08	0.12	17	40	0.15	0.43	20.7	0.26	2.90	1.6	4	0.11	6.1	0.19
J980652		2.46	0.05	0.09	11	50	0.16	0.03	21.0	0.22	2.33	1.4	4	0.05	4.2	0.11
J980653		1.12	0.04	0.08	5	50	0.15	0.02	21.2	0.24	2.21	1.4	3	0.06	4.1	0.11
J980654		3.12	0.20	0.64	16	310	0.50	0.13	20.9	0.67	8.43	2.4	11	0.27	12.3	0.38
J980655		3.74	0.16	0.40	21	210	0.38	0.05	21.4	0.10	13.95	2.4	11	0.24	9.1	0.37
J980656		3.48	0.16	0.16	19	90	0.21	0.16	19.50	0.29	7.61	1.8	6	0.09	5.6	0.21
J980657		3.80	0.77	0.46	60	260	0.32	5.07	20.4	1.70	10.00	3.5	10	0.36	12.9	0.94
J980658		2.34	2.75	0.85	134	510	0.40	10.45	20.8	3.48	19.40	6.0	12	0.89	22.2	1.97
J980659		1.58	11.35	0.47	275	1380	0.21	6.63	23.2	26.4	21.1	2.9	9	0.54	12.1	4.67
J980660		0.26	6.14	5.40	2.0	80	1.04	1.30	1.38	0.04	20.9	8.9	31	20.3	14.0	2.12
J980661		2.88	0.98	0.30	58	160	0.26	1.63	19.95	3.68	4.42	2.0	6	0.28	6.7	0.72
J980662		3.74	0.82	0.42	42	240	0.27	1.86	20.7	2.58	4.85	2.3	7	0.34	5.4	0.63
J980663		5.68	0.85	0.26	31	190	0.22	1.02	21.6	1.11	4.05	2.0	5	0.20	3.9	0.38
J980664		4.52	1.07	0.71	91	320	0.36	5.51	20.6	1.60	10.55	4.0	11	0.73	11.6	1.20
J980665		4.90	1.18	0.93	83	460	0.42	5.99	20.0	1.46	12.90	4.8	15	0.92	13.1	1.27
J980666		4.82	1.22	0.79	65	440	0.38	3.94	20.0	1.95	10.05	3.8	13	0.63	10.3	0.93
J980667		4.48	0.80	0.68	49	280	0.33	3.58	20.4	1.31	8.34	3.3	11	0.58	9.6	0.79
J980668		4.20	4.14	0.87	215	1250	0.37	8.02	21.2	12.10	18.15	6.1	10	0.89	21.5	3.16
J980669		4.60	3.22	1.56	170	650	0.65	15.35	18.65	7.42	25.4	6.3	26	1.65	19.9	2.29
J980670		4.82	1.61	0.50	86	280	0.28	3.27	21.0	4.78	7.22	2.7	7	0.59	7.0	1.03
J980671		4.04	11.25	2.19	3160	1040	0.76	37.2	11.95	16.00	50.8	12.0	38	2.43	45.9	14.15
J980672		0.28	19.85	5.30	9.3	40	1.42	1.35	1.40	0.06	6.37	8.5	38	52.4	18.6	2.11
J980673		2.34	3.69	0.42	557	290	0.28	7.25	20.0	5.97	7.75	3.4	10	0.48	9.6	3.94
J980674		2.76	3.20	0.88	861	390	0.36	7.90	18.25	5.00	23.6	4.6	15	1.10	13.9	3.33
J980675		4.08	10.25	1.27	3450	540	0.50	40.5	1.05	13.05	50.0	7.4	39	1.93	27.7	14.90
J980676		3.48	24.9	1.90	9960	1240	0.85	84.5	0.51	25.2	287	12.9	54	1.89	55.6	35.2
J980677		3.98	0.03	0.07	28	20	0.06	0.09	19.95	0.08	1.55	1.4	1	0.17	3.4	0.48
J980678		4.30	10.80	0.50	4780	220	0.19	192.0	0.25	10.60	50.2	3.3	19	0.90	30.9	16.85
J980679		1.74	10.10	0.16	5100	120	0.09	172.0	0.25	7.37	63.6	2.8	14	0.33	31.7	21.6
J980680		4.42	19.65	0.41	>10000	240	0.13	391	0.42	3.67	90.5	3.5	15	0.26	165.5	45.9
J980681		4.70	86.5	0.44	9080	1270	0.20	796	0.65	12.40	66.3	4.1	18	0.43	347	36.3
J980682		4.26	0.06	0.06	24	20	0.06	0.65	19.65	0.06	1.41	1.2	1	0.15	3.2	0.48
J980683		5.16	0.69	0.08	49	180	0.11	2.82	20.1	0.49	2.39	1.7	3	0.05	2.9	0.33
J980684		5.36	0.55	0.07	83	60	0.12	2.18	20.2	0.80	2.21	1.2	2	0.08	5.0	0.39
J980685		5.44	0.44	0.09	21	110	0.09	0.19	20.1	0.72	1.70	1.1	4	<0.05	2.9	0.19

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 30- AUG- 2010
Account: RCM

Project: RAU (CHEETAH)

CERTIFICATE OF ANALYSIS VA10120434

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
J980650		0.37	0.12	0.1	0.006	0.04	2.3	3.3	13.30	133	0.89	0.01	0.7	8.1	790	9.9
J980651		0.47	0.18	0.1	0.009	0.04	1.8	3.7	12.75	113	0.97	0.01	0.8	7.1	120	16.6
J980652		0.38	0.23	<0.1	0.005	0.03	1.5	4.5	12.75	149	0.33	0.02	0.6	6.4	430	8.3
J980653		0.41	0.25	<0.1	<0.005	0.03	1.4	4.5	12.85	147	0.32	0.02	0.6	7.0	340	7.9
J980654		1.98	0.17	0.4	0.025	0.30	4.8	6.2	11.60	194	2.19	0.02	3.1	17.7	3660	12.1
J980655		1.55	0.17	0.3	0.005	0.18	9.3	5.5	12.30	207	1.23	0.02	2.3	17.9	9370	10.3
J980656		0.80	0.19	0.1	0.005	0.07	5.2	3.0	11.35	236	1.40	0.01	0.9	11.3	4660	17.1
J980657		1.66	0.12	0.2	0.070	0.19	6.5	4.9	11.35	613	2.16	0.02	2.5	18.6	810	151.5
J980658		2.86	0.13	0.5	0.413	0.36	12.1	6.5	9.88	2310	1.84	0.03	4.6	26.9	630	410
J980659		2.36	0.14	0.3	3.79	0.17	13.0	2.6	2.77	11650	2.48	0.04	2.1	15.3	930	845
J980660		17.35	0.14	1.5	0.023	3.52	11.6	9.5	0.62	325	9.25	1.27	2.4	8.7	490	13.1
J980661		1.14	0.11	0.2	0.064	0.12	2.7	4.5	11.95	587	1.69	0.02	1.7	9.0	160	138.5
J980662		1.24	0.12	0.2	0.066	0.18	2.9	4.7	12.25	703	1.05	0.02	2.5	8.5	150	70.9
J980663		0.99	0.16	0.1	0.054	0.10	2.4	3.6	12.75	683	0.53	0.02	1.5	8.2	170	39.1
J980664		2.29	0.09	0.3	0.120	0.29	6.9	6.1	11.00	946	1.02	0.02	3.8	16.5	280	172.0
J980665		2.89	0.10	0.5	0.138	0.40	8.1	6.7	11.00	1380	1.33	0.03	4.6	21.0	380	185.5
J980666		2.45	0.11	0.4	0.146	0.34	6.5	6.2	11.25	997	1.11	0.03	4.4	15.6	290	143.5
J980667		1.96	0.10	0.3	0.065	0.28	5.5	6.1	11.90	505	0.99	0.02	3.4	13.2	190	118.5
J980668		3.16	0.12	0.5	1.140	0.35	12.3	6.4	7.23	5280	3.03	0.04	4.6	26.6	460	1310
J980669		4.82	0.12	0.8	0.167	0.65	15.1	9.4	8.17	1360	1.09	0.04	7.6	28.3	1970	603
J980670		2.00	0.10	0.3	0.065	0.20	4.5	5.4	10.75	820	1.35	0.02	2.4	13.2	210	189.0
J980671		7.54	0.38	1.0	0.472	0.84	34.7	10.2	4.80	4580	7.44	0.05	9.9	62.2	1440	1945
J980672		15.50	0.12	1.0	0.023	3.69	2.7	18.9	0.64	320	27.7	1.18	2.1	14.3	690	7.9
J980673		1.78	0.12	0.2	0.177	0.14	5.0	3.3	8.76	1180	11.65	0.02	1.9	17.4	470	200
J980674		2.92	0.12	0.4	0.158	0.34	16.4	5.4	8.48	1250	1.63	0.02	4.7	20.4	490	291
J980675		5.25	0.35	0.4	0.371	0.50	34.8	5.7	0.35	2330	4.01	0.03	3.7	41.8	1050	577
J980676		12.10	1.00	0.9	0.957	0.70	202	7.2	0.46	4970	15.85	0.07	5.5	89.7	2180	1335
J980677		0.24	0.07	<0.1	<0.005	0.02	0.8	1.0	12.35	206	0.11	0.01	0.4	2.5	220	2.7
J980678		2.24	0.32	0.2	0.375	0.20	35.0	2.5	0.16	500	3.76	0.02	1.8	18.7	720	571
J980679		1.74	0.45	0.1	0.527	0.04	45.1	0.9	0.12	335	5.10	0.02	0.7	20.7	1050	855
J980680		5.13	1.16	0.2	3.79	0.11	66.7	1.3	0.19	522	11.30	0.02	2.0	22.6	1980	2010
J980681		5.01	0.87	0.2	8.73	0.13	52.4	1.6	0.17	9610	9.83	0.05	2.2	32.1	1710	5410
J980682		0.23	0.06	<0.1	0.011	0.02	0.7	1.0	12.20	200	0.12	0.01	0.4	1.7	190	5.7
J980683		0.35	0.09	<0.1	0.042	0.02	1.4	2.6	12.00	1020	2.05	0.02	0.4	2.8	40	54.3
J980684		0.33	0.11	<0.1	0.052	0.02	1.4	2.5	12.00	404	1.16	0.01	0.4	3.7	40	57.4
J980685		0.34	0.18	<0.1	0.012	0.03	0.9	3.4	12.25	233	0.90	0.01	0.5	4.2	30	27.4

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 30- AUG- 2010
Account: RCM

Project: RAU (CHEETAH)

CERTIFICATE OF ANALYSIS VA10120434

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1
J980650		2.0	<0.002	0.01	0.49	0.6	2	<0.2	83.2	<0.05	<0.05	0.3	0.010	0.04	7.9	22
J980651		2.2	<0.002	<0.01	0.69	0.5	2	0.2	76.2	<0.05	<0.05	0.3	0.011	0.04	2.5	12
J980652		1.5	<0.002	<0.01	0.54	0.5	2	<0.2	84.8	<0.05	<0.05	0.2	0.007	0.06	7.2	26
J980653		1.5	<0.002	<0.01	0.52	0.5	3	<0.2	86.7	<0.05	<0.05	0.2	0.006	0.04	6.5	25
J980654		12.0	0.003	0.01	1.79	1.8	3	0.3	138.0	0.16	<0.05	1.0	0.056	0.22	27.8	157
J980655		7.8	<0.002	<0.01	1.79	1.7	3	0.2	91.4	0.11	<0.05	0.8	0.039	0.20	65.8	86
J980656		3.1	<0.002	<0.01	1.36	0.9	2	0.2	73.4	<0.05	<0.05	0.3	0.015	0.19	28.9	61
J980657		8.4	<0.002	<0.01	2.70	1.6	2	1.4	78.5	0.13	<0.05	0.7	0.046	0.27	8.1	63
J980658		15.1	<0.002	<0.01	5.47	2.8	3	2.8	70.3	0.26	<0.05	1.2	0.093	0.44	4.3	49
J980659		7.6	<0.002	<0.01	3.70	3.5	2	5.6	33.2	0.10	<0.05	0.9	0.038	0.28	3.1	22
J980660		820	<0.002	0.01	0.77	7.8	2	1.1	59.5	0.23	<0.05	1.4	0.250	6.60	0.6	55
J980661		5.9	<0.002	<0.01	1.54	0.9	2	1.0	77.6	0.08	<0.05	0.5	0.028	0.11	2.9	28
J980662		7.8	<0.002	<0.01	1.07	1.2	2	1.1	82.2	0.12	<0.05	0.6	0.038	0.15	2.9	29
J980663		4.9	<0.002	<0.01	0.79	0.9	2	0.9	80.0	0.07	<0.05	0.4	0.024	0.14	3.2	26
J980664		12.6	<0.002	0.02	3.05	2.0	2	2.1	80.0	0.20	<0.05	0.9	0.071	0.29	2.4	30
J980665		17.3	<0.002	<0.01	3.46	2.6	3	2.4	117.0	0.25	<0.05	1.2	0.088	0.40	3.9	42
J980666		14.6	<0.002	<0.01	2.49	2.2	2	2.5	75.1	0.22	<0.05	1.0	0.078	0.30	3.1	42
J980667		12.2	<0.002	<0.01	2.08	1.8	2	1.8	76.6	0.18	<0.05	0.8	0.063	0.20	2.2	40
J980668		15.4	<0.002	0.01	7.25	2.8	2	3.5	52.2	0.26	<0.05	1.1	0.091	0.55	2.4	45
J980669		30.2	<0.002	<0.01	6.47	3.9	3	2.8	67.4	0.40	<0.05	1.9	0.152	0.52	6.0	61
J980670		9.8	<0.002	<0.01	2.12	1.3	2	1.4	60.4	0.12	<0.05	0.5	0.044	0.18	3.4	30
J980671		35.1	0.002	0.02	31.8	6.3	3	4.2	32.7	0.55	0.18	2.7	0.207	1.24	5.8	106
J980672		1580	<0.002	0.03	0.85	7.3	2	1.0	60.9	0.30	<0.05	0.6	0.256	14.60	0.3	56
J980673		7.3	0.003	0.01	3.22	1.3	3	1.8	47.8	0.09	<0.05	0.6	0.033	0.20	7.0	35
J980674		15.4	<0.002	<0.01	4.64	2.5	3	1.7	38.9	0.26	<0.05	1.2	0.096	0.35	3.9	35
J980675		24.8	<0.002	0.01	14.30	4.1	2	2.9	6.9	0.17	0.17	1.7	0.086	0.67	2.5	61
J980676		32.6	0.003	0.02	28.0	5.7	4	8.4	10.4	0.27	0.97	3.2	0.122	0.99	6.9	114
J980677		1.5	<0.002	<0.01	0.05	0.3	2	<0.2	44.0	<0.05	<0.05	<0.2	<0.005	<0.02	0.7	2
J980678		10.1	0.002	0.01	27.1	1.5	3	2.2	4.3	0.08	0.89	1.0	0.042	0.23	2.4	22
J980679		2.3	0.003	0.01	22.6	0.7	3	4.7	3.8	<0.05	0.61	0.5	0.008	0.13	2.2	16
J980680		4.9	0.002	0.05	89.8	1.2	4	41.2	5.4	0.05	4.53	0.8	0.021	0.13	4.8	37
J980681		5.6	<0.002	0.14	143.0	2.1	4	80.5	10.4	0.08	4.16	1.3	0.033	0.41	5.3	46
J980682		1.4	<0.002	<0.01	0.16	0.2	2	0.2	43.4	<0.05	<0.05	<0.2	<0.005	<0.02	0.9	1
J980683		1.3	<0.002	<0.01	0.79	0.3	2	1.3	63.7	<0.05	<0.05	0.2	0.005	0.63	2.1	9
J980684		1.2	<0.002	<0.01	1.26	0.2	2	0.5	58.7	<0.05	<0.05	<0.2	0.005	0.11	2.8	15
J980685		1.5	<0.002	<0.01	0.64	0.3	2	0.2	64.5	<0.05	<0.05	0.2	0.006	0.04	1.3	8

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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North Vancouver BC V7H 0A7
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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 30- AUG- 2010
Account: RCM

Project: RAU (CHEETAH)

CERTIFICATE OF ANALYSIS VA10120434

Sample Description	Method Analyte Units LOR	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	As- OG62 As % 0.001
J980650		0.2	3.0	51	2.8	
J980651		0.5	1.7	56	3.0	
J980652		0.1	2.0	39	2.5	
J980653		0.2	1.8	37	2.0	
J980654		0.4	5.0	118	14.1	
J980655		0.7	14.4	51	11.8	
J980656		0.8	7.5	75	3.7	
J980657		3.9	4.5	308	12.3	
J980658		7.4	5.4	664	18.3	
J980659		4.1	9.7	2000	9.3	
J980660		0.4	11.4	31	58.4	
J980661		3.1	1.5	229	6.8	
J980662		2.2	1.9	252	9.2	
J980663		1.4	1.8	213	6.6	
J980664		4.2	3.8	405	14.9	
J980665		4.9	4.2	404	20.6	
J980666		3.8	3.7	436	18.0	
J980667		3.3	3.3	256	15.1	
J980668		14.5	8.1	2480	19.7	
J980669		10.3	8.8	1130	33.7	
J980670		3.8	3.3	657	10.4	
J980671		53.6	17.6	5180	37.6	
J980672		0.4	8.1	40	34.2	
J980673		14.3	4.4	1400	9.0	
J980674		12.1	6.5	1120	17.7	
J980675		37.1	12.2	2860	18.3	
J980676		110.5	14.6	6490	33.5	
J980677		0.2	0.9	31	5.6	
J980678		232	3.4	1750	9.2	
J980679		292	3.0	2160	3.2	
J980680		104.0	3.3	1880	7.2	1.175
J980681		61.8	6.3	3990	9.2	
J980682		0.2	0.8	24	<0.5	
J980683		0.7	0.9	132	1.4	
J980684		2.4	0.8	148	1.5	
J980685		0.3	0.7	85	1.5	

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 30- AUG- 2010
Account: RCM

Project: RAU (CHEETAH)

CERTIFICATE OF ANALYSIS VA10120434

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 31- AUG- 2010
Account: RCM

CERTIFICATE VA10121213

Project: RAU (CHEETAH)

P.O. No.: Batch 5

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 30- AUG- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND- 02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 31- AUG- 2010
Account: RCM

Project: RAU (CHEETAH)

CERTIFICATE OF ANALYSIS VA10121213

Sample Description	Method Analyte Units LOR	Au- AA26 Au ppm 0.01
J980650		<0.01
J980651		<0.01
J980652		<0.01
J980653		<0.01
J980654		<0.01
J980655		0.01
J980656		0.01
J980657		0.02
J980658		0.04
J980659		0.05
J980660		0.37
J980661		0.01
J980662		<0.01
J980663		0.01
J980664		0.02
J980665		0.02
J980666		0.02
J980667		0.02
J980668		0.05
J980669		0.09
J980670		0.05
J980671		0.34
J980672		8.36
J980673		0.07
J980674		0.10
J980675		0.39
J980676		1.21
J980677		0.02
J980678		0.60
J980679		1.29
J980680		2.00
J980681		1.91
J980682		0.01
J980683		0.05
J980684		0.03
J980685		0.02

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 11- SEP- 2010
Account: RCM

CERTIFICATE VA10122414

Project: RAU (WEST)

P.O. No.: HERE

This report is for 141 Soil samples submitted to our lab in Vancouver, BC, Canada on 30- AUG- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
PUL- 31	Pulverize split to 85% < 75 um
LOG- 21	Sample logging - ClientBarCode
PUL- QC	Pulverizing QC Test
SCR- 43	Screen to - 500um, discard plus
SCR- 01	Screen - Save plus fraction

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 11- SEP- 2010
Account: RCM

Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10122414

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC113743		0.26	0.001	0.2	0.78	10	<10	150	<0.5	<2	8.8	0.6	7	15	31	2.00
CC113744		0.26	0.004	0.2	1.14	12	<10	270	0.5	<2	3.21	1.0	10	21	31	2.72
CC113745		0.26	0.002	0.2	0.91	9	<10	190	<0.5	<2	8.5	0.8	8	16	28	2.23
CC113746		0.30	0.003	0.2	1.04	10	<10	160	<0.5	<2	6.21	0.6	8	18	24	2.34
CC113747		0.34	0.005	0.2	1.15	12	<10	230	0.5	<2	7.6	0.8	9	19	31	2.52
CC113748		0.38	0.003	0.4	1.39	16	<10	270	0.6	<2	8.6	0.9	10	21	35	2.76
CC113749		0.26	0.002	0.2	0.80	11	<10	180	<0.5	<2	8.6	0.6	7	14	22	2.05
CC113750		0.28	0.002	0.2	0.98	10	<10	230	<0.5	<2	4.61	0.6	8	18	25	2.39
CC113751		0.30	0.003	0.2	1.62	14	<10	250	0.5	<2	3.84	1.0	18	65	68	3.50
CC113752		0.28	0.004	0.3	1.84	15	<10	400	0.8	<2	1.13	0.8	15	35	42	3.51
CC113753		0.14	0.003	0.3	1.42	12	<10	290	0.6	<2	1.57	0.8	10	27	31	2.66
CC113754		0.18	0.004	0.2	1.30	11	<10	430	0.6	<2	2.43	1.2	11	24	33	2.95
CC113755		0.24	0.004	0.3	1.12	10	<10	220	0.5	<2	5.58	0.7	9	19	31	2.51
CC113756		0.38	0.005	0.3	1.54	16	<10	310	0.6	<2	4.98	1.2	12	28	43	3.19
CC113757		0.18	0.003	0.3	1.14	15	<10	250	0.5	<2	2.91	1.0	10	22	32	2.68
CC113758		0.26	0.003	0.3	1.61	13	<10	360	0.7	<2	1.90	1.1	12	28	35	3.23
CC113759		0.38	0.004	0.3	1.26	15	<10	230	0.6	<2	3.57	0.9	10	22	34	2.94
CC113760		0.20	0.003	<0.2	1.17	10	<10	170	0.5	<2	2.55	0.5	8	20	24	2.73
CC113761		0.32	0.003	0.2	1.40	13	<10	270	0.6	<2	6.51	0.8	10	23	37	2.85
CC113762		0.36	0.002	0.2	1.38	13	<10	240	0.6	<2	5.99	0.7	11	22	35	2.78
CC113763		0.26	0.003	0.2	1.04	14	<10	160	0.5	<2	5.21	0.6	9	18	27	2.51
CC113764		0.32	0.002	<0.2	0.72	11	<10	120	<0.5	<2	9.5	0.5	6	13	18	1.94
CC113765		0.30	0.002	<0.2	0.57	11	<10	170	<0.5	<2	6.60	0.5	7	13	17	1.55
CC113766		0.34	0.002	<0.2	0.90	10	<10	180	<0.5	<2	8.7	0.6	7	17	24	2.08
CC113767		0.28	0.002	0.3	0.90	11	<10	300	<0.5	<2	5.40	0.7	9	17	25	2.25
CC113768		0.34	0.003	0.2	0.95	7	<10	180	<0.5	<2	7.3	0.8	8	17	27	2.21
CC113769		0.34	0.002	<0.2	1.04	14	<10	200	0.5	<2	6.29	0.6	9	18	27	2.42
CC113770		0.34	0.003	0.2	1.26	12	<10	290	0.6	<2	7.4	0.8	10	21	34	2.69
CC113771		0.34	0.003	0.2	1.65	14	<10	360	0.7	<2	8.3	1.0	11	24	39	2.88
CC113772		0.38	0.003	0.2	1.16	14	<10	290	0.5	<2	6.77	0.9	10	21	35	2.58
CC113773		0.32	0.005	0.3	1.43	12	<10	260	0.7	<2	5.98	0.7	12	24	39	2.73
CC113774		0.38	0.003	0.2	1.41	14	<10	270	0.7	<2	3.27	0.6	11	25	36	2.95
CC113775		0.38	0.002	0.2	1.27	12	<10	350	0.5	<2	9.3	0.8	9	20	31	2.49
CC113776		0.34	0.003	<0.2	1.02	11	<10	220	0.5	<2	5.58	0.7	11	21	35	2.32
CC113777		0.36	0.004	0.3	1.40	12	<10	250	0.6	<2	4.11	0.6	11	24	36	2.81
CC113778		0.28	0.002	<0.2	0.86	11	<10	220	<0.5	<2	7.18	0.9	9	19	38	2.25
CC113779		0.28	0.002	<0.2	0.95	10	<10	180	<0.5	<2	5.82	0.8	8	19	28	2.32
CC113780		0.24	0.002	<0.2	0.93	11	<10	210	<0.5	<2	8.0	0.7	8	16	27	2.34
CC113781		0.32	0.002	0.2	1.16	11	<10	400	0.5	<2	9.8	0.8	9	18	29	2.47
CC113782		0.36	0.004	0.2	0.84	14	<10	160	<0.5	<2	9.5	0.6	8	15	23	2.17

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VANCOUVER BC V6B 1L8

Finalized Date: 11- SEP- 2010
Account: RCM

Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10122414

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC113743		<10	<1	0.11	10	4.19	598	2	0.03	33	620	21	<0.01	2	3	86
CC113744		<10	1	0.11	10	1.93	594	2	0.02	31	800	27	0.01	<2	3	45
CC113745		<10	1	0.10	10	3.95	682	2	0.03	26	660	27	<0.01	<2	3	100
CC113746		<10	1	0.15	10	3.94	563	2	0.03	26	690	21	0.01	<2	3	58
CC113747		<10	<1	0.15	10	3.48	666	2	0.03	30	710	25	<0.01	<2	3	88
CC113748		<10	1	0.23	20	3.59	787	2	0.03	33	690	32	<0.01	<2	4	104
CC113749		<10	1	0.10	10	4.23	607	2	0.02	24	610	19	<0.01	<2	3	81
CC113750		<10	1	0.11	10	3.09	585	1	0.02	26	660	23	<0.01	<2	3	40
CC113751		<10	1	0.10	20	2.87	540	2	0.02	63	860	28	<0.01	<2	5	40
CC113752		<10	<1	0.20	20	0.83	945	2	0.03	44	820	35	0.02	<2	5	31
CC113753		10	1	0.14	10	0.79	1150	2	0.02	30	880	29	0.04	2	4	36
CC113754		<10	1	0.16	10	1.10	752	2	0.02	32	940	33	0.06	<2	3	43
CC113755		<10	1	0.14	10	3.48	763	2	0.02	31	810	32	0.05	<2	3	53
CC113756		<10	1	0.23	20	3.06	944	3	0.03	43	860	32	0.10	3	4	63
CC113757		<10	1	0.13	10	1.72	553	2	0.02	33	880	31	0.18	<2	3	35
CC113758		<10	<1	0.20	20	1.20	499	2	0.03	37	840	30	0.18	<2	4	33
CC113759		<10	<1	0.13	10	1.91	733	2	0.02	32	790	28	0.15	<2	4	44
CC113760		<10	1	0.11	10	1.62	671	1	0.02	27	680	24	0.07	<2	3	29
CC113761		<10	1	0.19	10	3.29	812	2	0.02	34	710	30	0.05	<2	4	80
CC113762		<10	1	0.20	10	3.20	759	2	0.03	32	670	29	0.06	<2	4	70
CC113763		<10	<1	0.11	10	3.24	683	2	0.02	30	660	24	0.07	<2	3	47
CC113764		<10	1	0.10	10	4.61	569	1	0.02	20	600	15	0.06	<2	2	93
CC113765		<10	<1	0.08	10	3.99	552	2	0.01	20	570	14	0.06	<2	2	67
CC113766		<10	<1	0.12	10	4.04	628	2	0.02	26	640	22	0.07	2	3	89
CC113767		<10	<1	0.09	10	3.18	605	1	0.02	25	630	22	0.10	<2	3	54
CC113768		<10	<1	0.11	10	3.73	737	1	0.02	27	680	24	0.11	2	3	70
CC113769		<10	1	0.15	10	3.65	723	2	0.02	29	660	26	0.14	<2	3	62
CC113770		<10	1	0.16	10	3.25	768	2	0.02	32	660	30	0.04	2	4	85
CC113771		<10	1	0.32	10	3.32	802	2	0.03	34	650	34	0.04	2	4	97
CC113772		<10	1	0.13	10	3.32	710	2	0.02	35	690	28	0.04	2	4	78
CC113773		<10	1	0.24	10	2.93	750	2	0.02	35	660	30	0.04	2	4	75
CC113774		<10	<1	0.16	10	2.02	740	2	0.01	34	650	30	0.05	<2	4	35
CC113775		<10	1	0.22	10	3.84	712	2	0.03	29	660	27	0.05	<2	4	108
CC113776		<10	1	0.11	10	2.97	644	2	0.01	31	620	26	0.03	2	3	65
CC113777		<10	1	0.18	10	2.13	673	2	0.02	33	690	28	0.04	2	4	49
CC113778		<10	1	0.11	10	3.93	659	2	0.02	40	740	25	<0.01	<2	3	75
CC113779		<10	1	0.11	10	3.60	512	2	0.03	29	800	22	<0.01	<2	3	55
CC113780		<10	1	0.12	10	3.96	650	1	0.02	26	660	21	<0.01	2	3	78
CC113781		<10	1	0.20	10	4.08	736	2	0.03	27	680	26	<0.01	<2	4	111
CC113782		<10	1	0.09	10	4.42	621	1	0.02	24	610	22	<0.01	<2	3	97

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Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10122414

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC113743		<20	0.02	<10	<10	29	<10	105
CC113744		<20	0.02	<10	<10	39	<10	127
CC113745		<20	0.02	<10	<10	31	<10	113
CC113746		<20	0.02	<10	<10	34	<10	103
CC113747		<20	0.02	<10	<10	37	<10	124
CC113748		<20	0.02	<10	<10	42	<10	138
CC113749		<20	0.02	<10	<10	29	<10	98
CC113750		<20	0.02	<10	<10	34	<10	109
CC113751		<20	0.06	<10	<10	60	<10	155
CC113752		<20	0.03	<10	<10	59	<10	156
CC113753		<20	0.02	<10	<10	47	<10	130
CC113754		<20	0.02	<10	<10	43	<10	153
CC113755		<20	0.02	<10	<10	37	<10	135
CC113756		<20	0.03	<10	<10	53	<10	173
CC113757		<20	0.02	<10	<10	43	<10	146
CC113758		<20	0.02	<10	<10	53	<10	165
CC113759		<20	0.02	<10	<10	41	<10	138
CC113760		<20	0.02	<10	<10	39	<10	97
CC113761		<20	0.02	<10	<10	44	<10	138
CC113762		<20	0.02	<10	<10	43	<10	133
CC113763		<20	0.02	<10	<10	35	<10	120
CC113764		<20	0.02	<10	<10	27	<10	89
CC113765		<20	0.02	<10	<10	26	<10	84
CC113766		<20	0.02	<10	<10	32	<10	103
CC113767		<20	0.02	<10	<10	33	<10	118
CC113768		<20	0.02	<10	<10	33	<10	116
CC113769		<20	0.02	<10	<10	35	<10	120
CC113770		<20	0.02	<10	<10	39	<10	132
CC113771		<20	0.02	<10	<10	49	<10	148
CC113772		<20	0.03	<10	<10	41	<10	138
CC113773		<20	0.02	<10	<10	48	<10	148
CC113774		<20	0.01	<10	<10	47	<10	132
CC113775		<20	0.02	<10	<10	40	<10	125
CC113776		<20	0.02	<10	<10	39	<10	133
CC113777		<20	0.02	<10	<10	47	<10	124
CC113778		<20	0.03	<10	<10	33	<10	130
CC113779		<20	0.03	<10	<10	34	<10	122
CC113780		<20	0.01	<10	<10	31	<10	115
CC113781		<20	0.02	<10	<10	36	<10	120
CC113782		<20	0.01	<10	<10	30	<10	107

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CERTIFICATE OF ANALYSIS VA10122414

Sample Description	Method	WEI- 21	Au- ICP21	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC113783		0.30	0.002	0.2	1.27	6	<10	170	0.5	<2	7.7	0.9	10	23	36	2.36
CC113784		0.34	0.003	0.4	1.54	14	<10	280	0.7	<2	5.75	0.8	12	25	42	3.16
CC113785		0.30	0.003	0.3	1.64	14	<10	310	0.7	<2	5.12	0.8	12	26	40	3.10
CC113786		0.28	0.002	0.2	1.25	13	<10	250	0.5	<2	5.92	0.9	11	23	38	2.85
CC113787		0.36	0.002	<0.2	1.11	12	<10	120	0.5	<2	7.3	<0.5	8	18	23	2.43
CC113788		0.20	0.002	0.2	1.09	10	<10	150	0.5	<2	5.77	0.5	11	34	38	2.68
CC113789		0.20	0.003	<0.2	1.02	9	<10	200	<0.5	<2	6.19	<0.5	8	18	22	2.40
CC113790		0.34	0.007	0.2	1.17	11	<10	240	0.5	<2	5.75	0.5	10	20	31	2.74
CC113791		0.28	0.002	0.2	0.91	11	<10	180	<0.5	<2	6.77	0.6	7	17	23	2.13
CC113792		0.36	0.002	0.2	1.12	15	<10	190	0.5	<2	4.23	0.6	9	20	29	2.61
CC113793		0.38	0.003	<0.2	0.83	12	<10	160	<0.5	<2	8.2	0.6	8	15	24	2.21
CC113794		0.28	0.004	<0.2	1.05	9	<10	190	0.5	<2	6.29	0.7	8	18	27	2.32
CC113795		0.44	0.003	0.2	1.28	12	<10	230	0.5	<2	7.5	0.8	10	21	36	2.78
CC113796		0.24	0.004	0.3	1.32	16	<10	330	0.6	<2	1.86	0.8	10	24	30	3.32
CC113797		0.36	0.006	0.3	1.42	15	<10	240	0.6	<2	3.66	0.9	12	25	40	3.14
CC113798		0.28	0.003	0.3	1.46	13	<10	270	0.6	<2	5.99	0.9	11	25	40	2.98
CC113799		0.24	0.004	0.3	1.29	12	<10	240	0.5	<2	5.15	1.0	13	25	41	3.06
CC113800		0.32	0.003	<0.2	1.32	12	<10	220	0.5	<2	7.3	0.9	11	24	39	2.75
CC113801		0.26	0.005	0.4	1.45	14	<10	310	0.6	<2	3.47	0.9	13	28	44	3.25
CC113802		0.32	0.004	0.3	1.92	18	<10	320	0.7	<2	2.78	0.9	14	35	49	3.59
CC113803		0.38	0.003	0.2	1.37	15	<10	240	0.5	<2	5.40	1.0	12	29	42	3.05
CC113804		0.28	0.002	<0.2	1.08	10	<10	160	<0.5	<2	6.03	0.5	11	27	30	2.76
CC113805		0.28	0.004	<0.2	2.03	15	<10	500	0.6	<2	3.69	<0.5	17	51	50	3.70
CC113806		0.32	0.005	0.3	1.99	15	<10	410	0.7	<2	2.03	0.7	16	48	52	3.73
CC113807		0.18	0.003	0.3	1.99	15	<10	340	0.7	<2	0.98	0.5	17	46	44	3.89
CC113808		0.42	0.002	0.2	3.01	12	<10	310	<0.5	<2	2.96	1.0	31	110	95	5.52
CC113809		0.28	0.001	<0.2	4.21	4	<10	730	<0.5	<2	1.97	<0.5	37	162	108	6.46
CC113810		0.34	0.003	0.2	4.27	4	<10	1060	<0.5	<2	1.46	0.7	47	214	123	7.53
CC113811		0.32	0.003	0.2	0.94	99	<10	240	<0.5	<2	2.67	0.8	16	25	45	2.93
CC113812		0.24	0.004	<0.2	1.09	315	<10	170	<0.5	<2	1.39	<0.5	22	32	45	4.12
CC113813		0.22	0.005	0.2	1.26	34	<10	180	<0.5	<2	3.75	1.2	13	29	41	2.88
CC113814		0.34	0.002	0.2	2.00	27	<10	240	0.6	<2	1.27	<0.5	13	31	26	3.58
CC113815		0.14	0.007	0.4	0.66	78	<10	170	<0.5	<2	2.72	0.9	10	14	32	2.25
CC113816		0.24	0.015	0.3	0.64	258	<10	290	<0.5	<2	2.07	2.8	40	15	83	4.60
CC113817		0.20	0.002	<0.2	1.07	49	<10	310	<0.5	<2	5.98	0.8	12	34	32	3.11
CC113818		0.28	0.007	0.4	2.46	16	<10	530	<0.5	2	2.92	1.5	30	126	88	5.12
CC113819		0.26	0.004	0.6	1.67	20	<10	330	<0.5	<2	2.54	1.2	17	60	68	3.97
CC113820		0.20	0.004	0.7	1.25	22	<10	230	0.5	<2	3.49	3.3	12	36	67	2.97
CC113821		0.24	0.003	0.3	1.49	16	<10	370	0.5	<2	2.13	0.9	13	42	49	3.12
CC113822		0.28	0.004	0.3	1.42	20	<10	350	0.5	<2	4.26	0.7	13	36	48	3.18

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To: **ATAC RESOURCES LTD.**
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Finalized Date: 11- SEP- 2010
Account: RCM

Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10122414

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC113783		<10	<1	0.20	20	3.65	706	2	0.03	32	740	29	<0.01	2	4	87
CC113784		<10	1	0.20	20	2.97	849	2	0.02	37	730	36	<0.01	<2	4	70
CC113785		<10	1	0.25	20	2.65	771	2	0.03	37	620	33	<0.01	<2	4	65
CC113786		<10	1	0.15	10	3.23	875	2	0.02	37	760	30	<0.01	<2	4	67
CC113787		<10	1	0.11	10	3.83	564	1	0.02	24	560	21	<0.01	<2	3	69
CC113788		<10	1	0.11	10	3.32	733	1	0.02	34	650	27	<0.01	<2	3	59
CC113789		<10	1	0.12	10	3.61	667	1	0.03	24	630	23	<0.01	<2	3	59
CC113790		<10	1	0.10	10	3.38	730	1	0.02	30	700	28	<0.01	2	3	58
CC113791		<10	1	0.13	10	4.10	476	2	0.03	22	690	20	<0.01	<2	3	65
CC113792		<10	<1	0.11	10	2.79	591	1	0.02	30	770	26	<0.01	<2	3	38
CC113793		<10	<1	0.09	10	3.97	658	2	0.02	25	630	23	<0.01	<2	3	77
CC113794		<10	<1	0.13	10	3.57	634	1	0.03	25	620	23	<0.01	<2	3	65
CC113795		<10	1	0.16	10	3.36	767	2	0.03	33	650	31	<0.01	2	4	83
CC113796		<10	1	0.15	10	0.75	848	2	0.02	29	890	26	0.03	<2	3	34
CC113797		<10	1	0.14	20	2.39	816	2	0.02	37	810	30	<0.01	2	4	40
CC113798		<10	1	0.20	20	3.22	767	2	0.03	37	760	29	<0.01	<2	4	75
CC113799		<10	<1	0.15	20	3.09	797	2	0.03	36	850	30	<0.01	2	4	58
CC113800		<10	<1	0.20	20	3.63	746	2	0.03	34	790	29	<0.01	<2	4	81
CC113801		<10	1	0.14	20	2.31	875	2	0.02	42	910	35	<0.01	2	4	36
CC113802		<10	1	0.27	20	1.99	873	2	0.03	46	880	37	<0.01	<2	5	37
CC113803		<10	1	0.15	10	3.21	754	2	0.02	42	770	35	<0.01	2	4	59
CC113804		<10	<1	0.16	20	2.85	566	2	0.03	35	630	21	<0.01	<2	4	71
CC113805		<10	1	0.12	20	2.49	642	2	0.03	57	580	24	<0.01	<2	6	51
CC113806		<10	<1	0.17	20	1.60	692	3	0.03	57	770	26	<0.01	<2	6	41
CC113807		<10	<1	0.18	20	1.07	767	3	0.03	53	750	33	<0.01	<2	6	36
CC113808		10	1	0.14	10	3.15	708	5	0.02	126	930	13	0.02	<2	9	85
CC113809		10	1	0.26	10	4.22	712	1	0.02	121	920	3	0.04	<2	17	64
CC113810		10	1	0.16	10	4.33	741	3	0.02	191	1020	6	<0.01	<2	17	47
CC113811		<10	<1	0.06	10	0.89	526	2	0.02	61	750	38	0.06	4	3	56
CC113812		<10	1	0.08	10	0.81	668	3	0.02	67	880	15	0.02	3	3	39
CC113813		<10	<1	0.09	20	2.16	553	1	0.02	42	800	29	<0.01	<2	3	47
CC113814		<10	1	0.07	10	1.17	581	1	0.01	33	370	49	0.01	<2	4	15
CC113815		<10	1	0.07	10	0.60	547	2	0.02	43	1350	39	0.08	4	2	45
CC113816		<10	1	0.05	10	0.51	3030	8	0.02	126	1230	33	0.10	6	2	49
CC113817		<10	1	0.12	10	2.90	832	2	0.03	40	1010	20	0.06	<2	3	96
CC113818		10	1	0.12	10	2.56	500	10	0.02	155	1460	10	0.09	<2	8	95
CC113819		10	1	0.13	10	1.90	475	14	0.02	89	950	17	0.05	<2	5	60
CC113820		<10	1	0.14	10	1.82	454	15	0.02	96	1040	19	0.04	2	3	69
CC113821		<10	1	0.09	10	1.40	548	2	0.02	53	780	20	0.03	<2	4	38
CC113822		<10	<1	0.11	10	2.50	623	2	0.02	47	710	28	0.02	<2	4	46

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Finalized Date: 11- SEP- 2010
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Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10122414

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC113783		<20	0.03	<10	<10	46	<10	150
CC113784		<20	0.02	<10	<10	48	<10	156
CC113785		<20	0.02	<10	<10	51	<10	152
CC113786		<20	0.02	<10	<10	43	<10	152
CC113787		<20	0.02	<10	<10	36	<10	93
CC113788		<20	0.02	<10	<10	39	<10	116
CC113789		<20	0.02	<10	<10	35	<10	96
CC113790		<20	0.02	<10	<10	39	<10	109
CC113791		<20	0.02	<10	<10	32	<10	107
CC113792		<20	0.02	<10	<10	38	<10	127
CC113793		<20	0.02	<10	<10	29	<10	102
CC113794		<20	0.02	<10	<10	34	<10	113
CC113795		<20	0.02	<10	<10	41	<10	135
CC113796		<20	0.02	<10	<10	45	<10	138
CC113797		<20	0.03	<10	<10	47	<10	153
CC113798		<20	0.03	<10	<10	48	<10	142
CC113799		<20	0.03	<10	<10	45	<10	158
CC113800		<20	0.03	<10	<10	45	<10	142
CC113801		<20	0.03	<10	<10	49	<10	158
CC113802		<20	0.03	<10	<10	62	<10	173
CC113803		<20	0.03	<10	<10	47	<10	159
CC113804		<20	0.04	<10	<10	37	<10	103
CC113805		<20	0.06	<10	<10	68	<10	128
CC113806		<20	0.05	<10	<10	67	<10	140
CC113807		<20	0.03	<10	<10	69	<10	164
CC113808		<20	0.07	<10	<10	99	<10	166
CC113809		<20	0.19	<10	<10	151	<10	100
CC113810		<20	0.11	<10	<10	153	<10	163
CC113811		<20	0.02	<10	<10	28	<10	118
CC113812		<20	0.01	<10	<10	27	<10	88
CC113813		<20	0.02	<10	<10	34	<10	149
CC113814		<20	0.03	<10	<10	65	<10	134
CC113815		<20	0.01	<10	<10	23	<10	144
CC113816		<20	<0.01	<10	<10	22	<10	148
CC113817		<20	0.06	<10	<10	43	<10	132
CC113818		<20	0.10	<10	<10	99	<10	265
CC113819		<20	0.04	<10	<10	72	<10	243
CC113820		<20	0.03	<10	<10	105	<10	327
CC113821		<20	0.04	<10	<10	54	<10	140
CC113822		<20	0.03	<10	<10	50	<10	140

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CERTIFICATE OF ANALYSIS VA10122414

Sample Description	Method	WEI- 21	Au- ICP21	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC113823		0.38	0.004	0.4	1.38	15	<10	330	0.5	<2	3.69	0.7	13	35	44	3.13
CC113824		0.34	0.003	0.3	1.28	15	<10	270	0.5	<2	4.54	0.8	12	33	43	3.00
CC113825		0.26	0.002	0.2	1.03	15	<10	280	<0.5	<2	3.02	0.6	9	21	29	2.32
CC113826		0.28	0.021	0.2	1.14	15	<10	320	0.5	<2	4.14	0.8	9	22	43	2.49
CC113827		0.36	0.002	0.3	1.30	17	<10	220	0.6	<2	5.83	0.8	11	27	42	2.81
CC113828		0.26	0.003	0.2	1.07	12	<10	300	0.5	<2	2.92	0.6	9	21	34	2.22
CC113829		0.38	0.004	0.3	1.21	16	<10	270	0.5	<2	5.55	0.8	10	24	38	2.63
CC113830		0.32	0.003	0.2	1.21	18	<10	230	0.5	2	7.7	0.9	11	23	41	2.69
CC113831		0.34	0.010	0.3	1.19	16	<10	210	0.5	<2	4.08	0.8	11	22	37	2.94
CC113832		0.32	0.006	0.2	1.10	17	<10	200	0.5	<2	5.99	0.9	11	21	34	2.66
CC113833		0.40	0.003	0.3	1.16	16	<10	220	0.5	<2	6.34	0.9	10	23	38	2.80
CC113834		0.28	0.003	0.2	1.26	16	<10	310	0.5	<2	3.13	0.9	12	25	35	3.28
CC113835		0.26	0.002	0.2	1.18	16	<10	230	0.5	<2	4.64	1.0	10	23	35	2.82
CC113836		0.30	0.003	0.3	1.27	19	<10	360	0.6	<2	2.80	0.8	11	25	37	2.85
CC113837		0.30	0.003	0.3	1.21	16	<10	370	0.5	<2	4.09	0.9	11	25	42	2.77
CC113838		0.32	0.002	0.4	1.36	15	<10	230	0.5	<2	3.09	0.9	12	31	41	3.08
CC113839		0.34	0.003	0.3	1.26	16	<10	240	<0.5	<2	3.69	0.9	13	33	45	2.99
CC113840		0.30	0.002	0.2	0.78	16	<10	180	<0.5	<2	7.3	0.6	7	15	23	2.07
CC113841		0.20	0.002	0.2	0.81	10	<10	140	<0.5	<2	7.8	0.6	7	15	23	2.11
CC113842		0.36	0.001	0.3	0.90	17	<10	170	<0.5	<2	7.0	0.8	8	17	28	2.24
CC113843		0.22	0.002	0.2	1.31	15	<10	250	0.6	<2	2.40	0.7	11	24	34	2.99
CC113844		0.30	0.001	0.2	0.77	14	<10	130	<0.5	2	8.5	<0.5	6	14	22	1.97
CC113845		0.26	0.001	0.3	1.27	13	<10	300	0.6	<2	4.10	0.6	10	23	31	2.69
CC113846		0.24	0.002	0.2	0.91	13	<10	220	<0.5	<2	5.70	0.9	7	18	29	2.26
CC113847		0.30	0.004	0.2	0.99	10	<10	180	<0.5	<2	4.72	0.8	9	20	32	2.34
CC113848		0.26	0.002	0.3	1.13	15	<10	240	<0.5	<2	3.85	1.2	8	22	39	2.58
CC113849		0.22	0.006	0.3	0.97	14	<10	230	<0.5	<2	4.90	1.0	9	25	32	2.46
CC113850		0.22	0.002	<0.2	1.00	14	<10	220	<0.5	<2	4.22	1.2	10	24	34	2.46
CC113851		0.20	0.004	0.3	1.07	16	<10	240	<0.5	<2	4.07	1.1	11	28	40	2.68
CC113852		0.26	0.002	<0.2	0.99	13	<10	220	<0.5	<2	4.88	0.9	10	25	33	2.47
CC113853		0.28	0.006	<0.2	1.11	14	<10	210	0.5	<2	4.34	0.8	10	27	31	2.46
CC113854		0.28	0.003	0.3	1.22	13	<10	280	0.5	<2	3.53	1.1	12	32	37	2.74
CC113855		0.30	0.003	0.2	1.09	13	<10	290	0.5	<2	3.06	1.1	11	26	39	2.49
CC113856		0.24	0.004	0.2	1.01	16	<10	180	<0.5	<2	3.97	0.9	9	25	28	2.37
CC113857		0.24	0.004	0.2	0.95	13	<10	210	<0.5	<2	4.90	0.8	9	25	30	2.32
CC113858		0.28	0.006	0.2	0.95	14	<10	210	<0.5	<2	5.36	0.8	9	24	29	2.29
CC113859		0.18	0.005	0.2	0.95	15	<10	180	<0.5	<2	4.58	0.9	9	25	33	2.40
CC113860		0.36	0.004	0.3	1.33	15	<10	260	0.6	<2	3.42	0.9	12	29	44	3.12
CC113861		0.30	0.002	0.2	1.04	16	<10	330	0.5	<2	9.0	0.7	9	19	32	2.42
CC113862		0.34	0.001	0.3	1.05	17	<10	160	0.5	<2	6.4	1.1	8	19	31	2.42

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Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC113823		<10	<1	0.10	10	2.20	754	1	0.02	45	750	28	0.03	<2	4	36
CC113824		<10	1	0.11	10	2.85	747	1	0.02	40	840	31	0.03	<2	4	41
CC113825		<10	1	0.08	10	1.19	810	1	0.02	25	800	27	0.07	<2	2	38
CC113826		<10	1	0.11	10	2.16	988	1	0.02	33	840	26	0.06	<2	3	40
CC113827		<10	1	0.16	10	3.02	818	1	0.02	35	820	29	0.03	<2	4	64
CC113828		<10	1	0.09	10	0.95	564	1	0.02	26	740	19	0.08	3	3	42
CC113829		<10	1	0.12	10	2.96	645	1	0.02	32	740	28	0.02	<2	4	58
CC113830		<10	1	0.15	10	3.24	754	1	0.02	32	710	30	0.02	<2	4	88
CC113831		<10	1	0.11	10	2.33	833	1	0.02	31	780	29	0.04	<2	3	41
CC113832		<10	1	0.13	10	3.08	913	1	0.02	29	750	29	0.01	2	4	57
CC113833		<10	1	0.12	10	3.20	816	1	0.02	33	820	27	0.01	<2	4	66
CC113834		10	2	0.12	10	1.87	1095	1	0.02	33	870	29	0.04	<2	3	33
CC113835		10	1	0.13	10	2.61	814	1	0.02	33	820	30	0.03	<2	3	45
CC113836		<10	1	0.10	10	1.50	782	1	0.02	33	860	29	0.04	<2	3	32
CC113837		<10	<1	0.11	10	2.33	895	1	0.02	36	900	31	0.05	<2	3	42
CC113838		<10	<1	0.11	10	2.15	967	1	0.02	39	890	35	0.03	<2	4	30
CC113839		<10	1	0.11	10	2.11	801	1	0.02	45	800	28	0.05	<2	4	49
CC113840		<10	1	0.10	10	4.06	784	2	0.02	21	660	19	0.02	<2	3	62
CC113841		<10	<1	0.08	10	3.90	595	<1	0.02	22	590	21	0.02	<2	3	69
CC113842		<10	1	0.10	10	3.73	663	<1	0.02	25	700	25	0.02	<2	3	64
CC113843		<10	<1	0.13	10	1.52	688	1	0.02	31	620	32	0.02	<2	3	25
CC113844		<10	<1	0.11	10	4.33	586	1	0.02	22	610	19	0.02	<2	3	74
CC113845		<10	<1	0.13	10	2.29	712	<1	0.02	31	680	25	0.03	<2	4	41
CC113846		<10	<1	0.09	10	3.04	618	<1	0.02	30	690	20	0.01	<2	3	51
CC113847		<10	1	0.11	10	2.85	683	1	0.02	31	770	23	0.01	<2	3	39
CC113848		<10	<1	0.12	10	2.31	463	2	0.03	35	800	17	0.01	<2	3	42
CC113849		<10	<1	0.11	10	2.98	723	1	0.02	32	1000	21	0.02	<2	3	50
CC113850		<10	2	0.12	10	2.59	754	2	0.03	33	1020	21	0.05	<2	2	50
CC113851		<10	1	0.13	10	2.49	951	2	0.03	37	1050	21	0.03	<2	3	51
CC113852		<10	1	0.11	10	2.56	839	1	0.02	32	1000	20	0.03	<2	3	51
CC113853		<10	1	0.13	10	2.83	850	1	0.03	33	970	21	0.03	<2	3	42
CC113854		<10	<1	0.11	10	2.40	1165	1	0.02	38	1080	26	0.02	<2	4	38
CC113855		10	<1	0.08	10	1.90	906	1	0.02	36	960	23	0.04	<2	3	35
CC113856		<10	1	0.11	10	2.58	664	1	0.02	30	1060	19	0.01	<2	3	38
CC113857		<10	<1	0.08	10	2.65	680	1	0.02	31	930	20	0.02	<2	3	54
CC113858		<10	1	0.10	10	3.02	668	1	0.02	30	960	19	0.02	<2	3	53
CC113859		<10	1	0.10	10	2.70	595	1	0.02	31	950	21	0.03	<2	3	48
CC113860		<10	<1	0.16	10	2.35	1250	1	0.02	39	980	28	0.03	<2	4	39
CC113861		<10	1	0.15	10	3.82	730	1	0.02	28	680	26	0.01	<2	3	99
CC113862		<10	1	0.11	10	3.13	573	1	0.02	29	720	25	0.01	<2	3	69

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 11- SEP- 2010
Account: RCM

Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10122414

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC113823		<20	0.03	<10	<10	49	<10	132
CC113824		<20	0.03	<10	<10	46	<10	154
CC113825		<20	0.02	<10	<10	36	<10	119
CC113826		<20	0.02	<10	<10	39	<10	122
CC113827		<20	0.03	<10	<10	46	<10	145
CC113828		<20	0.02	<10	<10	35	<10	122
CC113829		<20	0.03	<10	<10	43	<10	139
CC113830		<20	0.03	<10	<10	42	<10	148
CC113831		<20	0.02	<10	<10	41	<10	154
CC113832		<20	0.03	<10	<10	39	<10	142
CC113833		<20	0.03	<10	<10	43	<10	149
CC113834		<20	0.02	<10	<10	45	<10	151
CC113835		<20	0.02	<10	<10	43	<10	153
CC113836		<20	0.02	<10	<10	44	<10	145
CC113837		<20	0.02	<10	<10	43	<10	156
CC113838		<20	0.03	<10	<10	48	<10	170
CC113839		<20	0.03	<10	<10	45	<10	155
CC113840		<20	0.02	<10	<10	29	<10	101
CC113841		<20	0.01	<10	<10	29	<10	97
CC113842		<20	0.02	<10	<10	33	<10	118
CC113843		<20	0.02	<10	<10	46	<10	150
CC113844		<20	0.01	<10	<10	28	<10	94
CC113845		<20	0.02	<10	<10	45	<10	121
CC113846		<20	0.03	<10	<10	38	<10	129
CC113847		<20	0.03	<10	<10	41	<10	138
CC113848		<20	0.04	<10	<10	49	<10	195
CC113849		<20	0.06	<10	<10	42	<10	134
CC113850		<20	0.05	<10	<10	42	<10	151
CC113851		<20	0.07	<10	<10	46	<10	138
CC113852		<20	0.06	<10	<10	41	<10	138
CC113853		<20	0.06	<10	<10	45	<10	137
CC113854		<20	0.08	<10	<10	49	<10	139
CC113855		<20	0.04	<10	<10	42	<10	151
CC113856		<20	0.06	<10	<10	44	<10	124
CC113857		<20	0.06	<10	<10	39	<10	119
CC113858		<20	0.06	<10	<10	40	<10	123
CC113859		<20	0.05	<10	<10	40	<10	138
CC113860		<20	0.05	<10	<10	49	<10	182
CC113861		<20	0.02	<10	<10	37	<10	131
CC113862		<20	0.02	<10	<10	38	<10	142

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 11- SEP- 2010
Account: RCM

Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10122414

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC113863		0.28	0.003	0.3	1.29	12	<10	300	0.6	<2	3.06	0.6	9	24	31	2.68
CC113864		0.30	0.001	0.2	1.00	13	<10	220	0.5	<2	4.96	0.8	7	18	28	1.97
CC113865		0.40	0.002	0.2	0.99	15	<10	220	0.5	<2	6.24	0.5	7	19	26	2.33
CC113866		0.42	0.003	<0.2	0.93	15	<10	200	<0.5	<2	9.0	0.5	8	16	27	2.19
CC113867		0.28	0.002	<0.2	0.79	11	<10	170	<0.5	<2	9.4	0.6	6	15	22	1.91
CC113868		0.30	0.003	0.2	1.06	15	<10	230	0.5	<2	6.5	0.7	8	19	29	2.41
CC113869		0.20	0.002	0.2	1.11	15	<10	210	0.5	2	5.17	0.5	8	20	29	2.57
CC113870		0.40	0.005	0.2	1.00	16	<10	270	0.5	<2	7.4	0.7	8	17	27	2.35
CC113871		0.30	0.002	0.2	1.16	15	<10	200	0.5	<2	7.6	0.7	10	20	35	2.55
CC113872		0.18	0.002	0.2	1.30	14	<10	250	0.6	<2	3.35	0.6	8	22	30	2.68
CC113873		0.24	0.002	0.2	1.26	12	<10	260	0.6	<2	2.75	0.6	9	23	31	2.74
CC113874		0.38	0.002	0.2	1.38	19	<10	290	0.5	<2	3.91	0.5	14	36	46	3.58
CC113875		0.36	0.005	<0.2	1.59	14	<10	240	<0.5	<2	5.65	0.7	17	52	59	3.37
CC113876		0.30	0.002	0.2	2.44	14	<10	240	0.5	2	0.94	<0.5	20	97	58	4.50
CC113877		0.28	0.005	0.5	1.06	19	<10	230	<0.5	<2	5.97	1.2	13	32	53	3.01
CC113878		0.26	0.008	0.3	3.13	11	<10	540	<0.5	<2	2.91	0.9	41	167	94	5.56
CC113879		0.30	0.004	<0.2	1.14	16	<10	350	<0.5	<2	6.7	0.6	11	39	29	2.63
CC113880		0.30	0.006	0.4	1.17	60	<10	220	<0.5	2	1.16	1.0	29	50	81	4.52
CC113881		0.30	0.010	0.5	1.03	67	<10	240	0.5	2	1.55	2.6	12	22	63	2.84
CC113882		0.22	0.005	0.4	1.29	159	<10	250	0.5	<2	1.39	1.1	14	25	53	3.34
CC113883		0.32	0.004	0.2	1.61	31	<10	320	0.6	<2	1.40	<0.5	14	30	47	3.63

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1016- 510 W HASTINGS ST
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Finalized Date: 11- SEP- 2010
Account: RCM

Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10122414

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC113863		<10	1	0.09	10	1.90	454	<1	0.02	31	750	23	0.01	<2	4	31
CC113864		<10	1	0.08	10	2.95	319	<1	0.02	25	680	22	0.02	<2	3	37
CC113865		<10	<1	0.09	10	3.44	681	1	0.02	25	680	22	0.01	<2	3	53
CC113866		<10	1	0.13	10	4.17	638	<1	0.02	23	670	22	0.01	<2	3	92
CC113867		<10	<1	0.13	10	4.22	567	1	0.02	21	600	19	0.01	<2	3	94
CC113868		<10	1	0.13	10	3.43	844	1	0.02	27	630	26	0.01	<2	3	62
CC113869		<10	1	0.13	10	3.08	441	1	0.02	24	720	25	0.03	<2	3	43
CC113870		<10	1	0.13	10	3.84	750	1	0.02	24	610	23	0.01	<2	3	68
CC113871		<10	<1	0.14	10	3.51	722	1	0.02	28	690	29	0.01	<2	4	82
CC113872		<10	1	0.15	10	2.01	422	<1	0.02	26	790	25	0.03	<2	4	31
CC113873		<10	1	0.12	10	1.48	439	1	0.02	28	830	26	0.05	<2	3	33
CC113874		<10	1	0.14	10	2.61	900	2	0.02	46	820	33	0.01	3	4	38
CC113875		<10	<1	0.10	10	3.23	663	1	0.02	62	810	25	0.01	<2	5	72
CC113876		10	<1	0.09	10	2.18	531	2	0.02	84	500	25	0.01	<2	7	18
CC113877		<10	1	0.14	10	2.41	469	9	0.02	69	910	17	0.04	<2	3	104
CC113878		10	1	0.33	10	2.89	532	7	0.02	170	1080	6	0.08	<2	12	93
CC113879		<10	1	0.11	10	3.42	697	1	0.02	38	920	19	0.04	<2	4	94
CC113880		<10	<1	0.09	10	0.80	520	10	0.02	99	970	27	0.05	<2	5	39
CC113881		<10	1	0.08	10	0.64	479	12	0.02	77	790	55	0.04	10	3	40
CC113882		<10	1	0.15	10	0.68	371	3	0.02	47	960	38	0.05	3	4	33
CC113883		10	<1	0.09	20	1.28	646	2	0.02	44	610	36	0.01	2	4	23

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Finalized Date: 11- SEP- 2010
Account: RCM

Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10122414

Sample Description	Method Analyte Units LOR	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2
CC113863		<20	0.03	<10	<10	46	<10	116
CC113864		<20	0.02	<10	<10	35	<10	105
CC113865		<20	0.02	<10	<10	35	<10	102
CC113866		<20	0.02	<10	<10	32	<10	109
CC113867		<20	0.01	<10	<10	28	<10	95
CC113868		<20	0.02	<10	<10	37	<10	116
CC113869		<20	0.01	<10	<10	37	<10	131
CC113870		<20	0.01	<10	<10	35	<10	115
CC113871		<20	0.02	<10	<10	38	<10	127
CC113872		<20	0.01	<10	<10	43	<10	134
CC113873		<20	0.01	<10	<10	41	<10	152
CC113874		<20	0.04	<10	<10	48	<10	143
CC113875		<20	0.07	<10	<10	51	<10	130
CC113876		<20	0.11	<10	<10	86	<10	137
CC113877		<20	0.03	<10	<10	49	<10	237
CC113878		<20	0.26	<10	<10	137	<10	240
CC113879		<20	0.07	<10	<10	46	<10	109
CC113880		<20	<0.01	<10	<10	35	<10	172
CC113881		<20	0.02	<10	<10	44	<10	242
CC113882		<20	0.02	<10	<10	46	<10	193
CC113883		<20	0.02	<10	<10	46	<10	122

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Finalized Date: 11- SEP- 2010
Account: RCM

CERTIFICATE VA10122415

Project: RAU (WEST)

P.O. No.: HERE

This report is for 142 Soil samples submitted to our lab in Vancouver, BC, Canada on 30- AUG- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
PUL- 31	Pulverize split to 85% < 75 um
LOG- 21	Sample logging - ClientBarCode
PUL- QC	Pulverizing QC Test
SCR- 43	Screen to - 500um, discard plus
SCR- 01	Screen - Save plus fraction

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 11- SEP- 2010
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CERTIFICATE OF ANALYSIS VA10122415

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC113601		0.32	0.004	0.2	0.80	10	<10	180	<0.5	<2	7.8	0.7	8	15	24	1.70
CC113602		0.26	0.001	0.2	0.71	13	<10	210	<0.5	<2	8.5	0.6	7	14	21	1.78
CC113603		0.18	0.001	<0.2	0.64	15	<10	90	<0.5	<2	9.3	0.5	6	12	19	2.12
CC113604		0.20	0.001	0.3	1.10	10	<10	180	0.5	<2	6.13	0.7	8	21	30	2.36
CC113605		0.36	0.002	0.2	1.26	14	<10	370	0.6	2	6.4	0.9	10	23	39	2.77
CC113606		0.24	0.003	0.3	1.18	14	<10	230	0.5	<2	4.11	0.8	10	22	33	2.64
CC113607		0.40	0.004	0.2	1.35	20	<10	270	0.6	<2	7.1	0.9	11	23	44	2.87
CC113608		0.26	0.003	0.3	1.67	20	<10	380	0.8	2	1.27	0.6	13	29	45	3.38
CC113609		0.26	0.008	0.2	1.57	20	<10	320	0.7	2	2.20	1.0	13	28	44	3.41
CC113610		0.18	0.003	0.4	1.42	16	<10	360	0.7	3	3.67	0.9	12	25	43	3.05
CC113611		0.28	0.003	0.4	1.64	17	<10	360	0.7	<2	2.99	0.7	13	28	43	3.39
CC113612		0.18	0.003	0.4	1.23	15	<10	330	0.5	<2	2.98	1.3	21	35	61	4.14
CC113613		0.24	0.002	0.2	0.94	9	<10	320	<0.5	<2	6.64	0.5	9	28	26	2.06
CC113614		0.30	0.003	0.3	1.37	15	<10	370	0.6	<2	3.62	1.6	11	29	59	2.89
CC113615		0.32	0.002	0.6	1.01	31	<10	290	0.5	<2	4.10	6.0	10	28	92	2.58
CC113616		0.28	0.003	0.3	1.28	15	<10	230	0.5	2	4.84	0.6	11	24	40	2.86
CC113617		0.30	0.002	0.4	1.52	17	<10	280	0.6	<2	4.00	0.7	12	27	49	3.11
CC113618		0.38	0.003	0.3	1.64	20	<10	310	0.7	<2	3.30	0.8	13	30	49	3.38
CC113619		0.28	0.005	0.4	1.11	15	<10	190	0.5	<2	4.17	0.6	9	20	30	2.68
CC113620		0.20	0.002	0.2	1.21	16	<10	310	0.6	<2	8.8	0.8	9	20	34	2.54
CC113621		0.24	0.002	0.3	1.30	18	<10	360	0.6	<2	9.0	0.9	10	22	37	2.70
CC113622		0.26	0.001	0.4	1.43	15	<10	390	0.7	<2	6.11	0.7	11	25	42	3.02
CC113623		0.22	0.002	0.2	1.20	17	<10	360	0.6	<2	8.6	0.8	10	22	36	2.63
CC113624		0.22	0.002	0.2	1.22	17	<10	300	0.6	<2	8.9	0.9	10	22	37	2.60
CC113625		0.24	0.004	0.3	1.07	18	<10	200	0.5	<2	5.26	0.7	9	21	29	2.55
CC113626		0.18	0.001	0.3	1.04	14	<10	280	0.5	<2	7.3	0.8	8	19	32	2.40
CC113627		0.18	0.003	0.2	1.26	15	<10	230	0.6	<2	3.44	1.0	11	24	34	2.80
CC113628		0.20	0.003	<0.2	0.82	11	<10	190	<0.5	<2	9.4	0.7	7	15	26	2.03
CC113629		0.20	0.002	0.2	0.79	12	<10	190	<0.5	<2	9.4	0.6	7	14	24	2.02
CC113630		0.20	0.002	0.2	0.85	14	<10	180	<0.5	<2	6.66	0.6	8	16	28	2.15
CC113631		0.24	0.003	0.2	0.74	11	<10	170	<0.5	<2	7.8	0.5	6	14	20	1.94
CC113632		0.22	0.002	0.2	1.01	17	<10	220	0.5	<2	9.5	0.7	8	17	32	2.21
CC113633		0.22	0.001	0.3	1.05	13	<10	220	0.5	<2	4.57	0.7	9	19	28	2.52
CC113634		0.22	0.002	0.2	0.99	15	<10	210	0.5	<2	8.0	0.6	7	18	29	2.32
CC113635		0.28	0.002	0.4	1.20	18	<10	260	0.6	<2	7.5	0.8	10	20	37	2.69
CC113636		0.22	0.002	0.2	0.87	13	<10	270	<0.5	<2	9.2	0.8	7	16	27	2.12
CC113637		0.28	0.002	0.2	1.12	15	10	320	0.5	<2	8.0	0.8	8	19	33	2.43
CC113638		0.26	0.002	0.4	1.19	16	<10	340	0.6	2	5.23	0.9	10	20	36	2.69
CC113639		0.18	0.001	0.3	1.20	12	<10	600	0.6	2	4.69	1.1	9	21	39	2.67
CC113640		0.26	0.002	0.3	1.14	15	<10	290	0.6	<2	7.6	0.8	9	19	34	2.63

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
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Finalized Date: 11- SEP- 2010
Account: RCM

Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10122415

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC113601		<10	1	0.11	10	3.98	548	<1	0.02	23	600	21	0.23	<2	3	78
CC113602		<10	<1	0.08	10	4.05	610	1	0.02	19	600	19	0.16	<2	2	84
CC113603		<10	<1	0.11	<10	4.31	365	2	0.03	21	560	18	1.60	<2	2	91
CC113604		<10	1	0.14	10	3.33	472	1	0.03	26	710	29	0.11	<2	3	65
CC113605		<10	1	0.17	10	2.96	718	1	0.02	33	710	33	0.02	<2	4	69
CC113606		<10	1	0.12	10	2.68	551	1	0.02	30	750	29	0.01	<2	3	33
CC113607		<10	1	0.17	10	3.05	768	2	0.02	33	680	35	<0.01	<2	4	78
CC113608		10	1	0.15	10	0.88	854	1	0.02	36	700	37	0.03	<2	4	30
CC113609		<10	1	0.16	10	1.51	878	1	0.02	39	750	39	0.02	<2	4	31
CC113610		<10	1	0.18	10	1.93	764	1	0.02	37	740	33	0.03	<2	4	47
CC113611		<10	2	0.19	10	1.76	817	2	0.02	40	680	35	0.01	<2	5	45
CC113612		<10	1	0.15	10	1.38	719	5	0.02	87	920	22	0.06	<2	4	66
CC113613		10	<1	0.10	10	3.53	481	1	0.02	27	990	20	0.02	<2	3	80
CC113614		<10	1	0.13	10	2.36	576	2	0.02	50	940	27	0.03	<2	4	38
CC113615		<10	<1	0.12	10	2.36	527	10	0.02	102	1120	25	0.04	<2	3	46
CC113616		<10	1	0.14	10	2.79	759	1	0.02	32	700	28	0.02	<2	4	45
CC113617		10	1	0.18	10	2.12	789	1	0.02	36	760	32	0.02	<2	4	50
CC113618		10	1	0.18	10	2.12	805	1	0.02	40	720	34	0.01	<2	5	40
CC113619		10	<1	0.10	10	2.20	693	1	0.01	27	660	23	0.04	<2	3	43
CC113620		<10	1	0.20	10	3.47	708	1	0.02	30	660	30	0.01	<2	4	101
CC113621		<10	1	0.22	10	3.40	724	1	0.03	32	670	32	0.01	<2	4	104
CC113622		10	<1	0.20	10	2.80	782	1	0.02	33	700	35	0.01	<2	4	71
CC113623		<10	1	0.18	10	3.53	715	1	0.02	29	670	30	0.01	<2	4	100
CC113624		<10	<1	0.19	10	3.46	711	1	0.02	30	660	29	0.01	<2	4	104
CC113625		<10	2	0.11	10	3.33	589	1	0.02	27	760	27	0.02	<2	3	39
CC113626		10	<1	0.14	10	3.44	700	<1	0.02	26	660	33	0.01	<2	3	80
CC113627		<10	<1	0.15	10	2.10	789	1	0.02	29	810	32	0.03	<2	3	33
CC113628		<10	1	0.11	10	4.02	591	1	0.02	22	620	21	0.01	<2	3	99
CC113629		<10	<1	0.10	10	4.05	569	1	0.02	21	600	20	0.01	<2	3	100
CC113630		<10	1	0.10	10	3.65	647	<1	0.02	23	660	21	0.01	<2	3	55
CC113631		<10	<1	0.10	10	4.21	541	<1	0.02	19	640	18	0.01	<2	2	67
CC113632		10	1	0.12	10	3.73	609	1	0.02	26	640	24	0.01	<2	3	100
CC113633		<10	1	0.12	10	2.78	737	<1	0.02	28	720	25	0.02	<2	3	36
CC113634		<10	1	0.12	10	3.50	640	1	0.02	25	570	28	0.01	<2	3	85
CC113635		10	<1	0.17	10	3.19	737	1	0.02	31	660	35	0.01	<2	4	83
CC113636		<10	<1	0.12	10	3.89	619	1	0.02	23	610	22	0.01	<2	3	96
CC113637		<10	1	0.19	10	3.33	667	1	0.02	27	600	29	0.01	<2	3	87
CC113638		<10	1	0.13	10	2.85	756	1	0.02	30	690	30	0.05	<2	3	47
CC113639		<10	<1	0.13	10	2.07	696	<1	0.02	30	770	33	0.07	<2	3	47
CC113640		<10	1	0.14	10	3.21	738	1	0.02	28	700	33	0.03	<2	3	75

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Finalized Date: 11- SEP- 2010
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Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10122415

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC113601		<20	0.02	<10	<10	30	<10	105
CC113602		<20	0.02	<10	<10	26	<10	96
CC113603		<20	0.02	<10	<10	24	<10	79
CC113604		<20	0.02	<10	<10	34	<10	140
CC113605		<20	0.02	<10	<10	43	<10	155
CC113606		<20	0.02	<10	<10	42	<10	132
CC113607		<20	0.03	<10	<10	45	<10	157
CC113608		<20	0.02	<10	<10	54	<10	149
CC113609		<20	0.02	<10	<10	53	<10	176
CC113610		<20	0.02	<10	<10	47	<10	162
CC113611		<20	0.02	<10	<10	54	<10	160
CC113612		<20	0.02	<10	<10	49	<10	189
CC113613		<20	0.09	<10	<10	41	<10	98
CC113614		<20	0.03	<10	<10	52	<10	255
CC113615		<20	0.02	<10	<10	65	<10	522
CC113616		<20	0.03	<10	<10	44	<10	143
CC113617		<20	0.03	<10	<10	50	<10	154
CC113618		<20	0.03	<10	<10	53	<10	155
CC113619		<20	0.02	<10	<10	39	<10	110
CC113620		<20	0.02	<10	<10	40	<10	140
CC113621		<20	0.02	<10	<10	43	<10	146
CC113622		<20	0.02	<10	<10	47	<10	157
CC113623		<20	0.02	<10	<10	40	<10	140
CC113624		<20	0.02	<10	<10	41	<10	141
CC113625		<20	0.02	<10	<10	39	<10	128
CC113626		<20	0.02	<10	<10	36	<10	150
CC113627		<20	0.02	<10	<10	44	<10	154
CC113628		<20	0.02	<10	<10	29	<10	106
CC113629		<20	0.02	<10	<10	29	<10	101
CC113630		<20	0.02	<10	<10	31	<10	111
CC113631		<20	0.02	<10	<10	28	<10	94
CC113632		<20	0.01	<10	<10	34	<10	104
CC113633		<20	0.01	<10	<10	37	<10	126
CC113634		<20	0.01	<10	<10	35	<10	113
CC113635		<20	0.02	<10	<10	40	<10	147
CC113636		<20	0.02	<10	<10	30	<10	113
CC113637		<20	0.01	<10	<10	37	<10	139
CC113638		<20	0.01	<10	<10	39	<10	142
CC113639		<20	0.01	<10	<10	39	<10	164
CC113640		<20	0.01	<10	<10	38	<10	144

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Finalized Date: 11- SEP- 2010
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Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10122415

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC113641		0.22	0.002	0.2	0.96	7	<10	160	<0.5	<2	6.16	<0.5	7	18	22	2.36
CC113642		0.18	0.002	0.5	0.92	11	<10	220	0.5	<2	7.4	0.6	7	17	29	2.25
CC113643		0.20	0.001	0.3	0.99	13	<10	200	0.5	2	5.76	0.7	8	18	28	2.39
CC113644		0.22	0.001	0.2	0.97	10	<10	150	<0.5	<2	6.22	<0.5	8	18	20	2.30
CC113645		0.22	0.003	0.3	0.79	8	<10	150	<0.5	<2	8.3	0.5	6	16	19	2.17
CC113646		0.26	0.001	0.3	0.95	13	<10	190	<0.5	<2	6.23	0.6	8	18	25	2.38
CC113647		0.30	0.002	0.4	1.13	14	<10	240	0.5	<2	6.31	0.8	9	21	32	2.51
CC113648		0.32	0.005	0.2	1.21	12	<10	200	0.6	<2	4.99	0.6	10	23	32	2.73
CC113649		0.18	0.003	0.4	1.07	15	<10	330	0.5	2	6.9	1.1	9	19	32	2.53
CC113650		0.16	0.001	0.3	1.09	11	<10	220	0.5	2	4.93	0.6	8	20	32	2.60
CC113651		0.18	0.005	0.4	1.32	17	<10	280	0.6	<2	4.12	0.9	12	24	35	2.99
CC113652		0.20	0.003	0.3	1.11	11	<10	250	0.5	2	6.35	0.8	10	21	33	2.56
CC113653		0.22	0.002	0.4	1.31	14	<10	310	0.6	<2	6.59	0.8	10	22	34	2.82
CC113654		0.26	0.003	0.3	1.20	14	<10	380	0.6	<2	7.4	0.7	9	21	35	2.74
CC113655		0.24	0.002	0.5	1.24	16	<10	310	0.6	2	8.3	0.8	10	21	34	2.74
CC113656		0.22	0.002	0.4	1.26	13	<10	180	0.5	2	4.65	0.6	11	21	39	2.95
CC113657		0.20	0.001	0.4	0.91	11	10	420	0.5	<2	6.51	1.0	8	16	34	2.22
CC113658		0.24	0.001	0.4	1.22	5	<10	180	0.5	<2	5.36	0.5	10	22	34	2.75
CC113659		0.22	0.001	0.2	1.54	15	<10	360	0.6	<2	2.80	<0.5	12	27	25	3.25
CC113660		0.20	0.003	0.3	1.31	13	<10	310	0.6	2	1.88	0.9	12	22	33	3.26
CC113661		0.22	0.001	0.3	1.10	10	<10	220	0.5	<2	6.64	<0.5	9	18	32	2.78
CC113662		0.32	0.001	0.2	0.87	7	<10	140	<0.5	2	7.9	<0.5	6	16	19	2.04
CC113663		0.20	0.001	0.3	0.86	11	<10	200	<0.5	<2	6.74	0.6	7	17	25	2.14
CC113664		0.24	0.001	0.3	0.95	8	<10	170	<0.5	<2	6.01	0.5	6	18	23	2.09
CC113665		0.18	0.003	0.3	1.13	17	<10	270	0.5	<2	5.16	0.8	10	20	30	2.63
CC113666		0.26	0.005	0.3	1.65	19	<10	310	0.8	<2	1.61	0.7	12	29	35	3.68
CC113667		0.24	0.002	0.4	1.17	13	<10	250	0.5	<2	4.86	0.9	10	21	34	2.67
CC113668		0.22	0.001	0.3	1.01	15	<10	250	0.5	<2	5.73	0.5	10	19	28	2.48
CC113669		0.26	0.003	0.4	1.20	13	<10	270	0.6	<2	5.74	0.6	9	23	34	2.77
CC113670		0.24	0.003	0.3	1.73	19	<10	260	0.9	<2	0.86	0.5	14	32	33	3.76
CC113671		0.26	0.003	0.9	1.55	18	<10	270	0.7	2	5.57	0.6	10	26	44	3.18
CC113672		0.28	0.003	0.3	1.68	20	<10	280	0.8	2	0.81	0.9	14	31	42	3.79
CC113673		0.22	0.001	<0.2	1.70	9	<10	230	0.5	3	0.46	<0.5	9	29	18	3.06
CC113674		0.32	0.001	0.3	1.05	15	<10	180	0.5	3	6.45	0.7	9	19	32	2.60
CC113675		0.26	0.001	0.3	1.14	15	<10	220	0.5	2	4.88	0.7	10	21	35	2.72
CC113676		0.24	0.002	0.3	0.92	10	<10	170	<0.5	<2	8.6	0.6	7	17	31	2.19
CC113677		0.28	0.001	0.3	1.11	14	<10	310	0.5	<2	5.37	0.7	10	20	33	3.41
CC113678		0.18	0.001	<0.2	0.94	12	<10	160	<0.5	<2	4.02	0.6	7	18	25	2.22
CC113679		0.34	0.001	0.3	0.81	9	<10	160	<0.5	<2	6.84	<0.5	6	16	23	1.87
CC113680		0.22	0.002	0.4	0.91	11	<10	190	<0.5	2	6.36	0.5	7	17	26	2.16

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CERTIFICATE OF ANALYSIS VA10122415

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC113641		<10	1	0.10	10	3.42	618	<1	0.03	23	670	21	0.02	<2	3	53
CC113642		<10	1	0.12	10	3.71	605	<1	0.03	22	710	25	0.03	<2	3	68
CC113643		<10	<1	0.12	10	3.33	654	<1	0.02	23	710	24	0.04	<2	3	45
CC113644		<10	1	0.12	10	3.80	436	<1	0.02	23	700	18	0.02	<2	3	42
CC113645		<10	1	0.09	10	4.47	539	<1	0.02	22	710	18	0.02	<2	2	65
CC113646		<10	<1	0.10	10	3.71	768	<1	0.02	24	730	24	0.02	<2	3	46
CC113647		<10	1	0.15	10	3.64	635	1	0.03	26	770	28	0.03	<2	3	52
CC113648		<10	1	0.14	10	3.25	724	<1	0.02	28	790	30	0.02	<2	3	36
CC113649		<10	<1	0.14	10	3.18	738	1	0.03	27	730	30	0.04	<2	3	67
CC113650		<10	1	0.12	10	2.95	685	1	0.02	25	700	26	0.04	<2	3	38
CC113651		<10	<1	0.16	10	2.47	943	1	0.03	33	830	38	0.04	2	3	40
CC113652		<10	<1	0.15	10	3.45	760	<1	0.02	29	730	33	0.04	<2	3	55
CC113653		<10	2	0.18	10	3.23	814	1	0.03	31	690	34	0.02	<2	4	66
CC113654		<10	1	0.15	10	3.20	781	1	0.02	30	720	34	0.03	2	3	79
CC113655		<10	2	0.18	10	3.68	775	<1	0.02	29	680	35	0.02	<2	4	87
CC113656		<10	<1	0.14	10	2.85	1075	<1	0.02	28	720	30	0.03	<2	4	36
CC113657		<10	1	0.11	10	2.13	956	<1	0.02	24	730	27	0.13	<2	2	86
CC113658		<10	1	0.15	10	3.43	1160	<1	0.02	28	770	26	0.03	<2	4	41
CC113659		<10	<1	0.11	10	1.55	1205	<1	0.03	27	530	27	0.06	<2	4	41
CC113660		<10	<1	0.10	10	1.14	791	<1	0.02	29	670	32	0.06	<2	3	38
CC113661		<10	<1	0.11	10	3.74	681	<1	0.02	24	740	26	0.03	<2	3	58
CC113662		<10	1	0.11	10	4.35	488	<1	0.02	18	690	21	0.02	<2	3	63
CC113663		<10	1	0.09	10	3.87	437	<1	0.02	21	690	24	0.03	<2	3	49
CC113664		<10	<1	0.10	10	3.65	362	<1	0.02	19	740	24	0.03	<2	3	42
CC113665		<10	1	0.13	10	2.90	773	1	0.03	30	800	30	0.03	<2	3	45
CC113666		<10	1	0.15	10	1.35	774	1	0.02	35	480	36	0.02	<2	5	20
CC113667		<10	1	0.14	10	2.94	718	1	0.02	28	760	31	0.03	<2	3	40
CC113668		<10	<1	0.12	10	3.58	1190	1	0.02	28	760	27	0.02	<2	3	38
CC113669		<10	1	0.15	10	3.47	835	<1	0.02	31	850	31	0.03	<2	3	43
CC113670		<10	<1	0.14	20	0.98	920	<1	0.02	41	500	36	0.02	<2	5	17
CC113671		10	<1	0.18	10	2.70	667	1	0.03	35	780	35	0.02	<2	4	63
CC113672		<10	<1	0.17	20	0.78	957	1	0.02	42	880	41	0.03	<2	5	22
CC113673		<10	<1	0.06	10	0.50	261	1	0.02	24	400	26	0.02	<2	3	14
CC113674		<10	<1	0.12	10	3.11	882	<1	0.03	29	760	29	0.02	<2	3	60
CC113675		<10	1	0.12	10	2.72	704	1	0.02	32	620	34	0.02	<2	3	42
CC113676		<10	1	0.11	10	4.00	638	<1	0.02	24	710	27	0.01	<2	3	86
CC113677		<10	<1	0.12	10	2.84	869	1	0.02	29	650	27	0.02	<2	4	50
CC113678		<10	<1	0.10	10	2.47	375	<1	0.02	22	740	24	0.03	<2	3	28
CC113679		<10	<1	0.09	10	4.05	545	<1	0.02	20	710	26	0.02	<2	3	45
CC113680		<10	<1	0.10	10	3.61	571	1	0.02	22	720	23	0.02	<2	3	49

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 11- SEP- 2010
Account: RCM

Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10122415

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC113641		<20	0.02	<10	<10	35	<10	101
CC113642		<20	0.02	<10	<10	33	<10	118
CC113643		<20	0.02	<10	<10	35	<10	119
CC113644		<20	0.02	<10	<10	36	<10	91
CC113645		<20	0.03	<10	<10	34	<10	93
CC113646		<20	0.02	<10	<10	35	<10	112
CC113647		<20	0.02	<10	<10	39	<10	138
CC113648		<20	0.02	<10	<10	44	<10	129
CC113649		<20	0.01	<10	<10	38	<10	145
CC113650		<20	0.02	<10	<10	38	<10	121
CC113651		<20	0.02	<10	<10	46	<10	150
CC113652		<20	0.02	<10	<10	40	<10	136
CC113653		<20	0.02	<10	<10	44	<10	141
CC113654		<20	0.01	<10	<10	40	<10	127
CC113655		<20	0.02	<10	<10	42	<10	134
CC113656		<20	0.03	<10	<10	44	<10	136
CC113657		<20	0.01	<10	<10	30	<10	130
CC113658		<20	0.03	<10	<10	45	<10	114
CC113659		<20	0.03	<10	<10	51	<10	104
CC113660		<20	0.01	<10	<10	42	<10	161
CC113661		<20	0.02	<10	<10	35	<10	110
CC113662		<20	0.02	<10	<10	32	<10	92
CC113663		<20	0.01	<10	<10	31	<10	122
CC113664		<20	0.02	<10	<10	34	<10	115
CC113665		<20	0.02	<10	<10	40	<10	128
CC113666		<20	0.02	<10	<10	58	<10	156
CC113667		<20	0.02	<10	<10	41	<10	152
CC113668		<20	0.02	<10	<10	38	<10	115
CC113669		<20	0.02	<10	<10	44	<10	135
CC113670		<20	0.02	<10	<10	60	<10	148
CC113671		<20	0.02	<10	<10	50	<10	141
CC113672		<20	0.02	<10	<10	58	<10	177
CC113673		<20	0.04	<10	<10	60	<10	86
CC113674		<20	0.02	<10	<10	38	<10	128
CC113675		<20	0.02	<10	<10	40	<10	130
CC113676		<20	0.02	<10	<10	33	<10	111
CC113677		<20	0.02	<10	<10	39	<10	130
CC113678		<20	0.02	<10	<10	35	<10	108
CC113679		<20	0.02	<10	<10	31	<10	98
CC113680		<20	0.02	<10	<10	33	<10	111

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1016- 510 W HASTINGS ST
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Finalized Date: 11- SEP- 2010
Account: RCM

Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10122415

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC113681		0.26	0.001	0.2	0.80	9	<10	180	<0.5	2	7.3	0.6	7	15	23	1.95
CC113682		0.32	0.001	0.3	1.22	13	<10	280	0.6	3	6.31	0.8	10	21	36	2.72
CC113683		0.34	0.001	0.3	0.99	14	<10	210	0.5	2	6.5	0.6	9	17	28	2.51
CC113684		0.32	0.002	0.2	1.10	13	<10	220	0.5	<2	6.7	0.6	9	19	33	2.50
CC113685		0.26	0.003	0.3	0.95	14	<10	280	<0.5	<2	10.0	0.7	9	17	32	2.49
CC113686		0.26	0.002	0.4	1.28	14	<10	290	0.6	<2	7.1	0.6	9	23	37	2.83
CC113687		0.28	0.004	0.6	1.32	13	<10	260	0.6	<2	7.47	0.8	10	23	41	2.89
CC113688		0.30	0.002	0.3	1.39	14	<10	260	0.6	2	6.27	0.8	10	24	41	2.95
CC113689		0.36	0.007	0.4	1.30	14	<10	260	0.6	<2	7.1	0.7	11	23	42	2.94
CC113690		0.34	0.003	0.4	1.21	13	<10	260	0.6	<2	9.1	0.7	9	20	37	2.59
CC113691		0.26	0.002	<0.2	1.23	14	<10	250	0.6	<2	4.65	0.5	9	22	33	2.79
CC113692		0.30	0.003	0.3	1.28	13	<10	230	0.6	<2	7.6	0.7	10	22	40	2.83
CC113693		0.38	0.003	0.3	1.22	11	<10	260	0.6	<2	8.6	0.7	9	21	37	2.70
CC113694		0.26	0.003	0.4	1.28	13	<10	280	0.6	<2	5.66	0.6	10	22	34	2.90
CC113695		0.32	0.002	0.4	1.23	13	<10	270	0.6	<2	8.4	0.7	9	21	38	2.74
CC113696		0.30	0.003	0.4	1.38	12	<10	410	0.6	<2	4.41	0.9	11	25	42	2.94
CC113697		0.32	0.002	0.4	1.48	14	<10	260	0.7	<2	7.7	0.8	11	24	41	3.05
CC113698		0.32	0.001	0.4	0.91	8	<10	260	<0.5	<2	11.1	0.7	8	17	30	2.33
CC113699		0.28	0.002	0.3	1.33	13	<10	330	0.7	<2	6.27	1.0	10	22	41	2.95
CC113700		0.34	0.002	<0.2	0.99	11	<10	180	0.5	<2	8.3	0.6	8	18	30	2.39
CC113701		0.16	0.002	0.2	1.14	13	<10	300	0.6	<2	3.34	1.0	10	20	34	2.61
CC113702		0.30	0.002	0.4	0.93	11	<10	190	<0.5	<2	6.7	0.6	8	18	29	2.40
CC113703		0.28	0.002	0.2	0.88	12	<10	240	<0.5	<2	9.0	0.5	6	17	24	2.25
CC113704		0.26	0.003	0.2	0.92	13	<10	190	<0.5	<2	6.21	0.6	7	18	25	2.39
CC113705		0.36	0.002	0.3	1.14	11	<10	210	0.5	<2	5.40	0.6	8	20	28	2.53
CC113706		0.26	0.002	0.2	0.75	11	<10	80	<0.5	<2	7.7	<0.5	7	20	24	2.18
CC113707		0.40	0.002	0.2	1.46	14	<10	290	0.7	<2	7.8	0.8	10	24	42	3.00
CC113708		0.22	0.007	0.3	1.56	13	<10	180	0.9	<2	0.28	0.6	11	29	24	3.49
CC113709		0.28	0.002	0.5	1.07	11	<10	260	0.5	<2	3.59	1.1	13	20	26	3.05
CC113710		0.24	0.002	0.3	1.44	15	<10	310	0.7	<2	1.76	0.7	11	27	37	3.21
CC113711		0.28	0.003	<0.2	1.12	14	<10	210	0.5	<2	4.91	0.6	10	21	33	2.70
CC113712		0.22	0.002	<0.2	1.14	14	<10	230	0.5	<2	3.51	0.7	9	21	31	2.71
CC113713		0.36	0.001	<0.2	0.80	13	<10	120	<0.5	<2	9.2	0.6	8	15	24	2.16
CC113714		0.22	0.003	<0.2	1.13	15	<10	270	0.5	<2	4.21	1.0	11	22	35	2.80
CC113715		0.32	0.004	0.5	1.36	14	<10	290	0.6	<2	3.56	0.9	11	26	40	3.21
CC113716		0.42	0.003	0.2	1.17	13	<10	290	0.5	<2	8.8	1.1	10	21	37	2.74
CC113717		0.40	0.005	0.2	1.32	13	<10	240	0.6	<2	5.09	0.8	11	24	38	3.00
CC113718		0.22	0.004	0.3	1.27	14	<10	330	0.6	<2	5.08	0.7	10	22	38	2.75
CC113719		0.28	0.003	0.3	1.62	12	<10	350	0.7	<2	2.92	0.5	13	30	44	3.47
CC113720		0.32	0.003	0.2	1.70	14	<10	310	0.7	<2	1.36	1.0	14	36	44	3.62

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Finalized Date: 11- SEP- 2010
Account: RCM

Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10122415

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC113681		<10	<1	0.09	10	3.88	623	1	0.02	19	680	22	0.02	<2	3	61
CC113682		<10	<1	0.16	10	3.02	773	1	0.02	28	720	33	0.02	<2	4	60
CC113683		<10	<1	0.10	10	3.44	713	<1	0.02	25	650	28	0.02	<2	3	58
CC113684		<10	1	0.11	10	3.16	738	1	0.02	28	700	27	0.01	<2	3	68
CC113685		<10	<1	0.13	10	3.93	691	<1	0.02	24	660	29	<0.01	<2	3	102
CC113686		<10	<1	0.17	10	3.24	786	1	0.02	30	650	31	<0.01	<2	4	74
CC113687		<10	<1	0.18	10	3.32	807	1	0.02	32	700	34	<0.01	<2	4	83
CC113688		<10	<1	0.19	10	3.12	845	<1	0.02	33	720	35	<0.01	<2	4	71
CC113689		<10	<1	0.14	10	3.33	878	<1	0.02	33	710	34	<0.01	2	4	73
CC113690		<10	<1	0.16	10	3.55	748	<1	0.02	29	670	30	<0.01	<2	4	99
CC113691		<10	<1	0.11	10	2.59	743	<1	0.02	28	710	26	<0.01	<2	4	48
CC113692		<10	<1	0.14	10	3.44	745	<1	0.02	31	690	32	<0.01	2	4	77
CC113693		<10	<1	0.15	10	3.38	781	1	0.02	29	680	29	<0.01	2	4	94
CC113694		<10	<1	0.13	10	2.95	851	<1	0.02	30	660	31	<0.01	<2	4	57
CC113695		<10	<1	0.15	10	3.51	786	<1	0.02	29	660	31	<0.01	<2	4	87
CC113696		<10	<1	0.14	10	2.30	881	<1	0.02	34	780	34	0.01	<2	4	55
CC113697		<10	1	0.21	10	3.17	874	1	0.02	34	720	36	<0.01	<2	4	88
CC113698		<10	<1	0.13	10	4.13	723	<1	0.03	21	620	25	<0.01	<2	3	116
CC113699		<10	<1	0.18	10	3.09	827	1	0.02	31	730	33	0.01	<2	4	70
CC113700		<10	<1	0.11	10	3.66	666	<1	0.02	25	640	27	<0.01	<2	3	80
CC113701		<10	<1	0.12	10	1.66	992	<1	0.02	28	820	33	0.04	<2	3	36
CC113702		<10	<1	0.09	10	3.52	636	<1	0.02	24	690	25	<0.01	<2	3	52
CC113703		<10	<1	0.13	10	4.04	638	<1	0.02	21	670	22	<0.01	<2	3	86
CC113704		<10	<1	0.11	10	3.76	892	1	0.02	23	730	24	<0.01	<2	3	45
CC113705		<10	<1	0.15	10	3.48	749	<1	0.02	26	680	26	<0.01	<2	3	39
CC113706		<10	<1	0.08	10	4.27	601	<1	0.02	21	640	17	<0.01	<2	3	54
CC113707		<10	<1	0.20	10	3.15	834	1	0.02	32	710	34	<0.01	2	4	89
CC113708		<10	<1	0.09	20	0.65	529	<1	0.01	32	180	29	<0.01	2	5	7
CC113709		<10	<1	0.11	10	2.10	1550	<1	0.02	28	820	26	0.02	<2	3	30
CC113710		<10	<1	0.13	10	1.09	574	<1	0.02	33	880	35	0.02	2	4	28
CC113711		<10	1	0.12	10	2.77	677	1	0.02	29	770	29	0.01	<2	3	42
CC113712		<10	<1	0.12	10	2.14	647	1	0.02	28	840	24	0.03	3	3	31
CC113713		<10	<1	0.10	10	4.22	605	1	0.02	21	650	19	0.01	2	3	82
CC113714		<10	1	0.12	10	2.46	673	1	0.02	32	800	26	0.03	<2	3	38
CC113715		<10	<1	0.14	10	2.14	805	2	0.02	37	810	30	0.02	<2	4	37
CC113716		<10	<1	0.17	10	3.50	767	2	0.02	33	720	28	<0.01	<2	4	95
CC113717		<10	<1	0.15	10	2.55	794	1	0.02	32	800	28	0.01	2	4	54
CC113718		<10	<1	0.14	10	2.28	838	1	0.02	29	820	28	0.04	<2	3	53
CC113719		<10	1	0.16	20	1.95	892	1	0.02	38	720	36	0.02	<2	4	32
CC113720		<10	1	0.15	20	1.08	726	1	0.02	44	880	33	0.02	3	5	28

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CERTIFICATE OF ANALYSIS VA10122415

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC113681		<20	0.02	<10	<10	30	<10	99
CC113682		<20	0.02	<10	<10	41	<10	144
CC113683		<20	0.02	<10	<10	33	<10	111
CC113684		<20	0.02	<10	<10	38	<10	119
CC113685		<20	0.02	<10	<10	35	<10	123
CC113686		<20	0.02	<10	<10	43	<10	142
CC113687		<20	0.02	<10	<10	45	<10	154
CC113688		<20	0.02	<10	<10	47	<10	150
CC113689		<20	0.02	<10	<10	44	<10	148
CC113690		<20	0.02	<10	<10	40	<10	132
CC113691		<20	0.02	<10	<10	42	<10	112
CC113692		<20	0.02	<10	<10	43	<10	148
CC113693		<20	0.02	<10	<10	41	<10	137
CC113694		<20	0.01	<10	<10	42	<10	130
CC113695		<20	0.02	<10	<10	41	<10	139
CC113696		<20	0.02	<10	<10	47	<10	158
CC113697		<20	0.02	<10	<10	47	<10	158
CC113698		<20	0.02	<10	<10	33	<10	116
CC113699		<20	0.01	<10	<10	43	<10	162
CC113700		<20	0.01	<10	<10	34	<10	120
CC113701		<20	0.01	<10	<10	40	<10	139
CC113702		<20	0.01	<10	<10	34	<10	122
CC113703		<20	0.02	<10	<10	32	<10	106
CC113704		<20	0.02	<10	<10	34	<10	122
CC113705		<20	0.02	<10	<10	40	<10	122
CC113706		<20	0.01	<10	<10	30	<10	91
CC113707		<20	0.02	<10	<10	47	<10	154
CC113708		<20	0.02	<10	<10	54	<10	107
CC113709		<20	0.01	<10	<10	38	<10	137
CC113710		<20	0.02	<10	<10	49	<10	159
CC113711		<20	0.02	<10	<10	39	<10	131
CC113712		<20	0.02	<10	<10	40	<10	146
CC113713		<20	0.02	<10	<10	30	<10	109
CC113714		<20	0.02	<10	<10	42	<10	146
CC113715		<20	0.02	<10	<10	47	<10	158
CC113716		<20	0.02	<10	<10	41	<10	150
CC113717		<20	0.03	<10	<10	44	<10	138
CC113718		<20	0.02	<10	<10	40	<10	128
CC113719		<20	0.02	<10	<10	53	<10	141
CC113720		<20	0.03	<10	<10	58	<10	161

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 11- SEP- 2010
Account: RCM

Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10122415

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC113721		0.30	0.004	0.4	1.50	19	<10	320	0.6	<2	5.91	0.8	13	33	48	3.31
CC113722		0.40	0.003	0.3	1.51	14	<10	230	0.5	<2	8.3	1.0	15	41	55	3.24
CC113723		0.28	0.003	0.2	1.81	13	<10	380	0.8	<2	1.60	0.8	14	35	47	3.71
CC113724		0.16	0.002	0.3	1.31	17	<10	380	0.5	<2	3.72	1.2	13	36	57	2.76
CC113725		0.44	0.004	0.5	1.77	15	<10	280	0.5	<2	4.77	1.3	16	56	69	3.99
CC113726		0.32	0.002	0.2	1.22	8	<10	290	<0.5	<2	6.43	1.3	13	35	47	2.79
CC113727		0.30	0.002	0.2	0.76	5	<10	330	<0.5	<2	9.5	0.6	8	17	25	1.75
CC113728		0.36	0.002	0.3	1.29	18	<10	370	0.6	<2	10.3	0.9	10	21	40	2.91
CC113729		0.32	0.003	0.4	1.46	19	<10	410	0.7	<2	9.6	0.9	11	24	43	3.09
CC113730		0.32	0.004	0.3	1.27	15	<10	300	0.6	<2	9.0	0.7	11	26	39	2.89
CC113731		0.22	0.002	0.2	1.30	9	<10	280	0.6	<2	4.72	0.5	13	40	35	2.94
CC113732		0.44	0.001	0.4	0.96	11	<10	320	<0.5	<2	9.4	0.9	9	19	31	2.35
CC113733		0.34	0.002	0.3	1.28	13	<10	310	0.6	<2	9.3	0.9	13	25	40	2.96
CC113734		0.16	0.003	0.3	0.99	15	<10	370	0.5	<2	4.15	2.1	9	21	54	2.19
CC113735		0.28	0.002	0.3	1.62	18	<10	300	0.7	<2	6.6	1.0	15	54	61	3.46
CC113736		0.56	0.002	0.3	1.57	17	<10	340	0.6	<2	6.8	1.0	13	35	50	3.34
CC113737		0.40	0.002	0.4	1.44	16	<10	270	0.6	<2	7.5	1.0	12	28	47	3.27
CC113738		0.30	0.004	0.3	1.87	18	<10	350	0.8	<2	1.69	0.6	14	35	45	3.91
CC113739		0.38	0.002	0.3	1.38	14	<10	250	0.6	<2	8.7	0.9	11	25	41	2.97
CC113740		0.28	0.003	0.3	1.17	14	<10	210	0.5	<2	8.4	0.8	10	22	36	2.72
CC113741		0.28	0.003	0.2	1.27	14	<10	250	0.6	<2	5.69	0.7	10	22	35	2.90
CC113742		0.28	0.003	0.4	1.19	13	<10	310	0.6	<2	3.41	0.9	10	22	34	2.84

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 11- SEP- 2010
Account: RCM

Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10122415

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC113721		<10	<1	0.16	20	2.99	790	2	0.02	43	870	31	0.01	2	5	69
CC113722		<10	1	0.15	10	3.68	709	3	0.02	56	790	27	0.01	<2	5	103
CC113723		<10	<1	0.17	20	1.08	748	2	0.02	43	800	33	0.03	<2	5	33
CC113724		<10	<1	0.12	10	1.56	690	2	0.02	48	880	22	0.07	<2	3	74
CC113725		<10	<1	0.19	10	2.83	580	6	0.02	75	1010	21	0.05	2	5	88
CC113726		<10	<1	0.13	10	3.30	574	4	0.02	48	860	23	0.02	3	4	84
CC113727		<10	<1	0.10	10	4.27	527	1	0.02	25	680	20	0.02	2	3	96
CC113728		<10	<1	0.22	10	3.92	809	1	0.02	32	720	33	0.01	<2	4	119
CC113729		<10	<1	0.27	10	3.61	806	2	0.02	34	730	36	0.01	4	5	114
CC113730		<10	1	0.19	10	3.90	761	1	0.02	30	830	31	0.01	<2	4	102
CC113731		<10	<1	0.11	20	3.17	935	1	0.02	30	1440	26	0.02	2	4	60
CC113732		<10	<1	0.13	10	3.97	666	1	0.02	25	690	23	0.01	<2	3	99
CC113733		10	<1	0.19	10	3.82	983	3	0.02	35	760	36	0.01	<2	4	106
CC113734		<10	<1	0.13	10	1.26	725	2	0.02	39	890	19	0.12	2	2	68
CC113735		<10	1	0.21	10	3.28	858	2	0.02	50	880	34	0.02	<2	5	78
CC113736		<10	<1	0.22	20	3.12	845	2	0.02	43	890	31	0.01	2	5	83
CC113737		<10	<1	0.16	20	3.27	828	1	0.02	36	1020	29	0.01	<2	5	94
CC113738		<10	<1	0.20	20	1.44	848	1	0.02	42	830	37	0.01	<2	5	29
CC113739		<10	1	0.17	10	3.37	768	1	0.02	33	730	32	0.01	2	4	99
CC113740		<10	<1	0.14	10	3.72	776	1	0.02	29	760	29	0.01	<2	4	83
CC113741		<10	<1	0.14	10	3.03	768	1	0.02	29	760	28	0.01	<2	4	54
CC113742		<10	<1	0.11	10	1.77	597	1	0.02	29	850	26	0.03	<2	3	37

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 11- SEP- 2010
Account: RCM

Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10122415

Sample Description	Method Analyte Units LOR	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2
CC113721		<20	0.04	<10	<10	54	<10	168
CC113722		<20	0.06	<10	<10	55	<10	162
CC113723		<20	0.03	<10	<10	60	<10	162
CC113724		<20	0.02	<10	<10	52	<10	143
CC113725		<20	0.04	<10	<10	66	<10	210
CC113726		<20	0.03	<10	<10	48	<10	173
CC113727		<20	0.03	<10	<10	31	<10	104
CC113728		<20	0.02	<10	<10	41	<10	151
CC113729		<20	0.02	<10	<10	45	<10	164
CC113730		<20	0.04	<10	<10	44	<10	144
CC113731		<20	0.13	<10	<10	57	<10	101
CC113732		<20	0.03	<10	<10	36	<10	129
CC113733		<20	0.03	<10	<10	46	<10	150
CC113734		<20	0.01	<10	<10	37	<10	184
CC113735		<20	0.03	<10	<10	60	<10	183
CC113736		<20	0.04	<10	<10	56	<10	171
CC113737		<20	0.06	<10	<10	57	<10	157
CC113738		<20	0.03	<10	<10	62	<10	165
CC113739		<20	0.02	<10	<10	45	<10	142
CC113740		<20	0.02	<10	<10	40	<10	135
CC113741		<20	0.02	<10	<10	42	<10	130
CC113742		<20	0.02	<10	<10	41	<10	134

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
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Finalized Date: 8- SEP- 2010
Account: RCM

CERTIFICATE VA10122416

Project: RAU (WEST)

P.O. No.: HERE

This report is for 99 Soil samples submitted to our lab in Vancouver, BC, Canada on 30- AUG- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
PUL- 31	Pulverize split to 85% < 75 um
LOG- 21	Sample logging - ClientBarCode
PUL- QC	Pulverizing QC Test
SCR- 43	Screen to - 500um, discard plus
SCR- 01	Screen - Save plus fraction

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 8- SEP- 2010
Account: RCM

Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10122416

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC113501		0.32	0.004	0.2	1.19	19	<10	230	0.5	<2	8.0	0.7	9	23	37	2.62
CC113502		0.34	0.003	0.2	1.16	16	<10	270	0.5	<2	7.13	0.7	10	24	37	2.68
CC113503		0.28	0.004	0.2	1.33	16	<10	270	0.6	<2	8.2	0.9	10	24	42	2.81
CC113504		0.34	0.005	<0.2	1.07	18	<10	350	0.5	<2	8.7	0.9	9	20	46	2.58
CC113505		0.22	0.003	<0.2	0.88	10	<10	180	<0.5	2	7.2	0.7	7	18	31	2.11
CC113506		0.24	0.002	<0.2	1.04	13	<10	230	0.5	<2	5.53	0.6	8	19	27	2.40
CC113507		0.30	0.006	<0.2	0.79	14	<10	240	<0.5	2	8.9	0.5	6	15	28	2.03
CC113508		0.24	0.003	<0.2	1.02	12	<10	160	<0.5	2	6.96	0.6	8	18	34	2.37
CC113509		0.24	0.003	0.3	1.87	18	<10	180	0.6	2	1.42	<0.5	9	29	24	3.29
CC113510		0.26	0.003	<0.2	1.64	12	<10	140	0.6	<2	3.94	<0.5	10	26	39	3.07
CC113511		0.26	0.003	0.2	1.41	16	<10	260	0.6	2	0.49	<0.5	10	27	33	3.09
CC113512		0.30	0.002	0.2	1.07	13	<10	170	0.5	<2	4.03	<0.5	8	20	26	2.55
CC113513		0.30	0.002	<0.2	0.86	13	<10	160	<0.5	<2	8.2	0.5	7	16	28	2.19
CC113514		0.28	0.003	<0.2	1.01	13	<10	160	<0.5	<2	5.74	0.6	8	19	26	2.36
CC113515		0.30	0.002	<0.2	0.93	10	<10	220	<0.5	<2	4.65	0.8	7	19	32	2.16
CC113516		0.22	0.002	<0.2	0.77	11	<10	110	<0.5	<2	9.7	0.5	6	15	25	2.03
CC113517		0.30	0.003	0.2	1.63	15	<10	310	0.6	<2	3.55	0.5	11	31	46	3.20
CC113518		0.28	0.005	0.2	1.50	19	<10	370	0.6	2	3.55	0.7	10	27	47	3.13
CC113519		0.30	0.005	0.6	1.30	12	<10	280	0.5	2	2.87	1.1	10	26	39	2.63
CC113520		0.30	0.003	0.2	1.51	17	<10	200	0.6	2	5.54	0.7	10	25	47	3.08
CC113521		0.32	0.004	<0.2	1.53	13	<10	190	0.6	<2	1.82	<0.5	10	28	32	3.05
CC113522		0.28	0.003	<0.2	1.17	9	<10	130	<0.5	2	3.02	0.6	9	21	26	2.86
CC113523		0.28	0.002	<0.2	1.42	15	<10	270	0.6	<2	8.7	1.1	10	24	43	2.81
CC113524		0.34	0.003	<0.2	1.16	15	<10	410	0.5	2	3.00	0.7	9	20	34	2.73
CC113525		0.30	0.003	<0.2	1.31	10	<10	150	0.5	<2	3.55	<0.5	9	22	29	2.86
CC113526		0.34	0.003	<0.2	1.22	15	<10	260	0.5	<2	8.3	0.7	8	21	37	2.67
CC113527		0.28	0.002	0.2	1.01	13	<10	160	<0.5	<2	4.42	<0.5	8	19	30	2.49
CC113528		0.34	0.002	<0.2	0.97	9	<10	120	<0.5	2	6.12	<0.5	7	17	25	2.26
CC113529		0.28	0.002	<0.2	0.90	9	<10	200	<0.5	<2	7.6	0.5	7	18	27	2.22
CC113530		0.32	0.005	0.2	0.94	10	<10	220	<0.5	<2	8.1	0.6	7	18	35	2.23
CC113531		0.34	0.003	0.2	1.44	14	<10	350	0.6	<2	8.1	0.8	10	23	47	2.92
CC113532		0.34	0.003	<0.2	0.88	9	<10	210	<0.5	<2	9.2	0.6	7	17	30	2.07
CC113533		0.36	0.002	<0.2	0.98	9	<10	280	<0.5	<2	6.82	<0.5	8	18	29	2.30
CC113534		0.32	0.003	<0.2	1.07	10	<10	190	0.5	<2	5.04	0.8	8	20	32	2.59
CC113535		0.42	0.002	0.2	1.14	14	<10	250	0.5	<2	8.3	0.7	9	21	36	2.64
CC113536		0.32	0.002	0.3	1.20	15	<10	240	0.5	<2	5.88	0.6	9	21	35	2.78
CC113537		0.30	0.002	<0.2	0.97	10	<10	210	<0.5	2	8.1	0.6	8	18	30	2.23
CC113538		0.32	0.003	0.2	1.11	11	<10	260	0.5	2	6.30	0.7	7	19	32	2.44
CC113539		0.28	0.002	<0.2	1.01	10	<10	280	0.5	<2	5.71	0.8	9	19	32	2.44
CC113540		0.28	0.003	0.4	0.83	10	<10	210	<0.5	<2	8.5	<0.5	9	16	27	2.10

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Finalized Date: 8- SEP- 2010
Account: RCM

Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10122416

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC113501		<10	1	0.12	10	3.43	744	1	0.03	29	730	32	<0.01	3	4	90
CC113502		<10	<1	0.12	10	3.39	790	2	0.03	29	720	33	<0.01	2	4	81
CC113503		<10	<1	0.19	10	3.34	828	2	0.03	31	700	34	<0.01	2	4	96
CC113504		<10	<1	0.14	10	3.67	748	3	0.01	34	690	37	0.03	<2	4	99
CC113505		<10	<1	0.10	10	3.10	594	1	0.02	22	640	23	0.07	<2	3	85
CC113506		<10	<1	0.08	10	2.10	725	2	0.02	21	590	24	0.07	<2	3	81
CC113507		<10	<1	0.08	10	4.16	589	2	0.02	20	660	21	0.02	<2	3	86
CC113508		<10	<1	0.08	10	3.41	762	1	0.02	21	690	26	0.04	<2	3	60
CC113509		<10	<1	0.06	10	1.12	432	4	0.01	25	280	31	0.02	2	4	15
CC113510		<10	1	0.11	10	2.51	699	1	0.01	26	410	32	0.03	<2	5	28
CC113511		<10	1	0.09	20	0.65	542	1	0.01	28	440	24	0.02	<2	4	16
CC113512		<10	<1	0.09	10	2.61	711	1	0.01	23	750	20	0.03	<2	3	30
CC113513		<10	<1	0.10	10	3.83	624	1	0.02	20	650	19	0.03	<2	3	77
CC113514		<10	<1	0.10	10	3.19	608	1	0.02	24	730	20	0.03	<2	3	51
CC113515		<10	<1	0.07	10	2.75	312	3	0.01	30	710	22	0.04	3	3	35
CC113516		<10	<1	0.08	10	4.20	532	1	0.02	19	590	18	0.03	<2	2	94
CC113517		<10	<1	0.18	20	2.53	706	2	0.02	31	760	29	0.03	<2	5	33
CC113518		<10	<1	0.16	10	2.22	867	2	0.02	30	810	33	0.06	<2	4	34
CC113519		<10	<1	0.13	10	1.83	395	1	0.02	31	820	25	0.06	<2	4	32
CC113520		10	<1	0.22	10	2.97	906	1	0.02	31	740	31	0.03	2	4	56
CC113521		10	<1	0.12	10	1.47	529	1	0.02	28	440	24	0.02	<2	4	21
CC113522		<10	<1	0.11	10	2.10	895	1	0.01	25	810	19	0.04	<2	3	26
CC113523		<10	<1	0.23	10	3.28	826	2	0.02	32	710	33	0.03	<2	4	94
CC113524		<10	<1	0.09	10	1.56	1190	1	0.01	28	850	23	0.06	<2	3	32
CC113525		<10	<1	0.10	10	2.30	559	1	0.01	26	530	21	0.03	<2	4	32
CC113526		<10	<1	0.18	10	3.68	737	2	0.02	26	680	27	0.03	<2	4	86
CC113527		<10	<1	0.09	10	2.41	584	1	0.01	24	580	18	0.04	<2	3	38
CC113528		<10	<1	0.11	10	2.84	501	1	0.02	18	640	20	0.07	<2	3	78
CC113529		<10	<1	0.13	10	3.86	707	1	0.02	17	650	19	0.06	<2	3	81
CC113530		<10	1	0.14	10	3.73	653	1	0.02	25	660	24	0.05	<2	3	87
CC113531		10	<1	0.21	10	3.38	826	1	0.02	30	650	36	0.01	<2	4	92
CC113532		<10	1	0.12	10	3.76	649	1	0.02	22	620	23	0.02	<2	3	97
CC113533		<10	<1	0.10	10	2.98	656	1	0.01	21	560	19	0.03	<2	3	68
CC113534		<10	<1	0.13	10	2.96	724	1	0.01	25	780	30	0.04	<2	3	39
CC113535		10	<1	0.15	10	3.63	773	1	0.02	27	670	29	0.03	<2	3	84
CC113536		<10	<1	0.14	10	3.00	753	1	0.02	26	680	26	0.04	<2	3	56
CC113537		<10	<1	0.11	10	3.91	684	1	0.02	23	710	26	0.04	<2	3	74
CC113538		<10	<1	0.14	10	2.88	703	1	0.01	22	670	23	0.05	<2	3	61
CC113539		<10	<1	0.12	10	3.12	594	1	0.02	24	750	25	0.05	<2	3	48
CC113540		<10	<1	0.11	10	4.12	763	<1	0.02	21	690	27	0.02	<2	3	88

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 8- SEP- 2010
Account: RCM

Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10122416

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC113501		<20	0.02	<10	<10	40	<10	142
CC113502		<20	0.02	<10	<10	41	<10	141
CC113503		<20	0.03	<10	<10	46	<10	155
CC113504		<20	0.02	<10	<10	36	<10	150
CC113505		<20	0.02	<10	<10	29	<10	114
CC113506		<20	0.01	<10	<10	33	<10	109
CC113507		<20	0.02	<10	<10	28	<10	107
CC113508		<20	0.02	<10	<10	33	<10	122
CC113509		<20	0.02	<10	<10	62	<10	102
CC113510		<20	0.02	<10	<10	51	<10	79
CC113511		<20	0.03	<10	<10	49	<10	89
CC113512		<20	0.02	<10	<10	38	<10	100
CC113513		<20	0.03	<10	<10	33	<10	100
CC113514		<20	0.03	<10	<10	37	<10	100
CC113515		<20	0.02	<10	<10	34	<10	126
CC113516		<20	0.02	<10	<10	29	<10	92
CC113517		<20	0.03	<10	<10	53	<10	145
CC113518		<20	0.02	<10	<10	48	<10	143
CC113519		<20	0.03	<10	<10	46	<10	153
CC113520		<20	0.03	<10	<10	49	<10	145
CC113521		<20	0.03	<10	<10	50	<10	98
CC113522		<20	0.02	<10	<10	42	<10	111
CC113523		<20	0.02	<10	<10	45	<10	143
CC113524		<20	0.02	<10	<10	38	<10	108
CC113525		<20	0.02	<10	<10	44	<10	93
CC113526		<20	0.03	<10	<10	41	<10	132
CC113527		<20	0.02	<10	<10	36	<10	97
CC113528		<20	0.02	<10	<10	35	<10	109
CC113529		<20	0.02	<10	<10	32	<10	101
CC113530		<20	0.02	<10	<10	32	<10	107
CC113531		<20	0.03	<10	<10	45	<10	152
CC113532		<20	0.03	<10	<10	31	<10	104
CC113533		<20	0.02	<10	<10	35	<10	100
CC113534		<20	0.02	<10	<10	37	<10	139
CC113535		<20	0.02	<10	<10	38	<10	131
CC113536		<20	0.02	<10	<10	40	<10	126
CC113537		<20	0.02	<10	<10	33	<10	120
CC113538		<20	0.01	<10	<10	35	<10	125
CC113539		<20	0.01	<10	<10	35	<10	133
CC113540		<20	0.03	<10	<10	32	<10	99

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 8- SEP- 2010
Account: RCM

Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10122416

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC113541		0.26	0.002	0.4	1.13	11	<10	200	0.5	<2	5.65	0.6	11	21	28	2.62
CC113542		0.22	0.002	0.4	0.83	9	<10	270	<0.5	<2	5.17	0.7	8	15	26	1.91
CC113543		0.34	0.002	0.4	1.09	13	<10	230	0.5	<2	6.8	<0.5	9	20	33	2.45
CC113544		0.32	0.002	0.2	0.78	9	<10	150	<0.5	<2	7.4	<0.5	7	16	20	1.98
CC113545		0.26	0.004	0.3	1.01	13	<10	190	0.5	<2	6.39	0.5	9	19	28	2.46
CC113546		0.32	0.004	0.2	1.37	12	<10	210	0.6	<2	2.37	<0.5	10	23	23	2.93
CC113547		0.28	0.006	0.4	1.26	13	<10	320	0.6	<2	2.84	0.6	11	23	31	2.79
CC113548		0.42	0.002	0.3	0.90	13	<10	140	<0.5	<2	8.0	<0.5	9	16	30	2.18
CC113549		0.28	0.002	0.4	0.91	14	<10	210	<0.5	<2	8.6	0.5	8	17	27	2.19
CC113550		0.34	0.002	0.5	1.10	13	<10	260	0.5	<2	7.2	0.5	9	19	31	2.46
CC113551		0.34	0.004	0.5	1.18	22	<10	310	0.5	<2	5.10	0.9	11	25	42	2.75
CC113552		0.36	0.003	0.5	1.04	14	<10	390	<0.5	<2	1.04	<0.5	11	21	39	3.04
CC113553		0.22	0.004	0.3	0.67	8	<10	270	<0.5	2	3.10	0.6	7	13	25	1.79
CC113554		0.42	0.004	0.4	0.97	20	<10	150	<0.5	<2	6.58	0.8	12	21	42	2.66
CC113555		0.28	0.004	0.3	1.18	14	<10	180	<0.5	2	4.22	0.6	10	22	29	2.67
CC113556		0.28	0.003	0.3	1.39	14	<10	300	0.6	<2	1.51	<0.5	12	25	33	3.13
CC113557		0.32	0.004	0.3	1.21	13	<10	250	0.5	<2	1.69	<0.5	10	24	29	2.70
CC113558		0.32	0.003	0.5	1.34	14	<10	220	0.7	<2	7.8	0.8	11	21	44	2.85
CC113559		0.36	0.003	0.4	1.29	17	<10	250	0.5	<2	4.08	0.9	14	52	47	2.89
CC113560		0.30	0.003	0.4	0.87	12	<10	210	<0.5	<2	8.1	0.7	9	18	29	2.20
CC113561		0.30	0.002	0.5	1.22	12	<10	280	0.6	<2	9.3	0.8	10	21	37	2.67
CC113562		0.34	0.003	0.2	0.84	13	<10	170	<0.5	<2	9.5	0.5	8	15	26	2.04
CC113563		0.32	0.002	0.3	0.92	14	<10	240	<0.5	<2	8.2	0.5	8	17	26	2.17
CC113564		0.32	0.003	0.4	0.95	13	<10	180	<0.5	<2	6.19	0.5	9	18	28	2.38
CC113565		0.38	0.003	0.4	0.80	13	<10	250	<0.5	<2	9.3	0.5	8	17	25	2.06
CC113566		0.32	0.004	0.2	1.70	20	<10	280	0.9	<2	0.35	<0.5	13	32	33	3.71
CC113567		0.34	0.005	0.3	1.56	14	<10	320	0.7	<2	0.28	<0.5	12	30	36	3.19
CC113568		0.24	0.004	0.2	1.60	11	<10	220	0.5	<2	0.56	<0.5	8	27	18	2.84
CC113569		0.34	0.003	<0.2	1.87	17	<10	240	0.8	<2	0.21	<0.5	12	32	30	3.56
CC113570		0.28	0.003	<0.2	1.70	15	<10	150	0.5	<2	0.19	<0.5	10	32	15	3.58
CC113571		0.28	0.003	<0.2	1.91	12	<10	300	0.7	<2	0.60	<0.5	10	33	19	3.33
CC113572		0.36	0.003	<0.2	1.74	15	<10	290	0.6	<2	0.29	<0.5	9	32	18	3.08
CC113573		0.40	0.004	0.4	1.13	12	<10	220	0.5	<2	6.8	0.7	10	20	32	2.51
CC113574		0.28	0.003	0.4	1.29	16	<10	320	0.6	<2	2.30	0.6	11	24	36	2.90
CC113575		0.36	0.005	0.4	0.95	13	<10	200	<0.5	<2	8.5	0.7	9	17	31	2.24
CC113576		0.32	0.004	<0.2	1.21	13	<10	220	0.5	<2	4.40	0.9	10	24	45	2.79
CC113577		0.28	0.006	<0.2	1.27	12	<10	220	0.5	<2	3.40	0.7	10	26	42	2.92
CC113578		0.30	0.005	<0.2	1.16	11	<10	230	0.5	<2	6.31	0.8	9	22	40	2.53
CC113579		0.28	0.005	0.2	1.48	16	<10	360	0.6	<2	2.61	0.8	11	30	43	3.18
CC113580		0.24	0.003	<0.2	1.32	17	<10	380	0.5	<2	2.42	1.2	13	27	43	3.03

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Finalized Date: 8- SEP- 2010
Account: RCM

Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10122416

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC113541		<10	<1	0.12	10	3.20	764	<1	0.02	26	760	29	0.02	2	3	52
CC113542		<10	<1	0.07	10	2.18	698	<1	0.02	18	790	20	0.06	<2	2	54
CC113543		<10	<1	0.10	10	3.45	670	<1	0.02	25	660	27	0.02	<2	3	67
CC113544		<10	<1	0.10	10	3.93	548	<1	0.02	16	650	20	0.07	<2	2	71
CC113545		<10	<1	0.13	10	3.11	737	<1	0.02	21	680	25	0.05	<2	3	79
CC113546		<10	<1	0.07	10	1.35	907	<1	0.02	24	450	28	0.02	2	3	39
CC113547		<10	<1	0.10	10	1.60	836	<1	0.02	27	830	25	0.03	<2	3	34
CC113548		<10	<1	0.08	10	3.83	730	<1	0.02	22	710	23	0.03	<2	3	84
CC113549		<10	<1	0.10	10	3.84	657	<1	0.02	19	670	22	0.02	<2	3	88
CC113550		<10	<1	0.10	10	3.33	675	<1	0.03	23	690	28	0.03	<2	3	76
CC113551		<10	1	0.13	10	2.62	763	1	0.02	35	830	31	0.05	2	4	58
CC113552		<10	<1	0.07	10	0.57	457	1	0.02	33	670	21	0.04	2	3	25
CC113553		<10	<1	0.04	10	0.91	441	<1	0.02	19	670	13	0.09	<2	1	47
CC113554		<10	<1	0.12	10	3.65	741	1	0.02	32	790	35	0.03	3	3	65
CC113555		<10	1	0.14	10	2.67	764	<1	0.02	24	710	29	0.05	3	3	39
CC113556		<10	<1	0.10	10	0.90	826	<1	0.02	29	520	31	0.05	2	3	27
CC113557		<10	1	0.09	10	1.01	416	<1	0.02	25	710	26	0.07	<2	3	29
CC113558		<10	1	0.18	10	3.34	791	1	0.02	31	690	37	0.02	2	4	97
CC113559		<10	<1	0.11	10	2.89	635	1	0.02	39	1120	27	0.04	2	4	45
CC113560		<10	<1	0.09	10	3.95	653	<1	0.02	21	670	25	0.03	2	3	80
CC113561		<10	<1	0.17	10	3.57	755	1	0.02	28	670	33	0.02	2	4	110
CC113562		<10	<1	0.10	10	4.12	603	<1	0.02	18	690	22	0.03	<2	3	101
CC113563		<10	<1	0.10	10	3.73	638	<1	0.03	20	640	24	0.03	<2	3	84
CC113564		<10	<1	0.09	10	3.25	701	<1	0.02	20	730	27	0.06	<2	3	65
CC113565		<10	<1	0.11	10	4.23	597	<1	0.02	19	680	21	0.03	<2	3	103
CC113566		<10	1	0.11	20	0.67	966	<1	0.01	39	570	35	0.02	<2	6	17
CC113567		<10	1	0.08	20	0.57	651	<1	0.02	32	700	23	0.02	3	6	18
CC113568		<10	1	0.06	10	0.49	275	<1	0.02	23	500	19	0.03	2	3	18
CC113569		<10	1	0.11	20	0.62	572	1	0.02	36	540	28	0.02	<2	5	16
CC113570		<10	1	0.10	10	0.63	407	<1	0.01	24	530	25	0.02	<2	3	12
CC113571		<10	1	0.06	20	0.74	458	<1	0.02	25	420	25	0.02	<2	5	15
CC113572		<10	1	0.09	20	0.57	361	<1	0.02	23	500	23	0.02	<2	4	19
CC113573		<10	<1	0.13	10	3.35	819	<1	0.03	25	710	30	0.03	<2	4	71
CC113574		<10	<1	0.09	10	1.14	880	<1	0.02	30	780	28	0.05	<2	3	32
CC113575		<10	<1	0.13	10	3.73	650	1	0.02	24	660	25	0.02	2	3	93
CC113576		<10	<1	0.14	10	2.68	725	3	0.02	36	790	29	0.02	<2	4	37
CC113577		<10	<1	0.11	10	2.13	889	2	0.02	34	850	27	0.03	<2	4	34
CC113578		<10	<1	0.11	10	3.36	778	2	0.02	29	860	28	0.03	<2	3	53
CC113579		<10	<1	0.15	10	1.67	731	1	0.03	36	880	31	0.03	<2	4	30
CC113580		<10	<1	0.12	10	1.18	1670	2	0.02	38	820	26	0.06	<2	3	37

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CERTIFICATE OF ANALYSIS VA10122416

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC113541		<20	0.02	<10	<10	39	<10	127
CC113542		<20	0.01	<10	<10	28	<10	90
CC113543		<20	0.02	<10	<10	37	<10	111
CC113544		<20	0.02	<10	<10	28	<10	97
CC113545		<20	0.01	<10	<10	33	<10	129
CC113546		<20	0.02	<10	<10	46	<10	106
CC113547		<20	0.02	<10	<10	42	<10	124
CC113548		<20	0.02	<10	<10	32	<10	97
CC113549		<20	0.02	<10	<10	33	<10	94
CC113550		<20	0.02	<10	<10	37	<10	106
CC113551		<20	0.02	<10	<10	42	<10	148
CC113552		<20	0.02	<10	<10	36	<10	106
CC113553		<20	0.01	<10	<10	23	<10	91
CC113554		<20	0.03	<10	<10	35	<10	133
CC113555		<20	0.03	<10	<10	42	<10	137
CC113556		<20	0.02	<10	<10	46	<10	124
CC113557		<20	0.02	<10	<10	42	<10	121
CC113558		<20	0.01	<10	<10	42	<10	152
CC113559		<20	0.09	<10	<10	57	<10	132
CC113560		<20	0.02	<10	<10	32	<10	108
CC113561		<20	0.02	<10	<10	39	<10	142
CC113562		<20	0.02	<10	<10	30	<10	89
CC113563		<20	0.02	<10	<10	33	<10	97
CC113564		<20	0.02	<10	<10	33	<10	129
CC113565		<20	0.03	<10	<10	32	<10	106
CC113566		<20	0.03	<10	<10	57	<10	170
CC113567		<20	0.04	<10	<10	53	<10	84
CC113568		<20	0.03	<10	<10	53	<10	78
CC113569		<20	0.03	<10	<10	62	<10	101
CC113570		<20	0.05	<10	<10	64	<10	102
CC113571		<20	0.04	<10	<10	62	<10	123
CC113572		<20	0.06	<10	<10	58	<10	88
CC113573		<20	0.02	<10	<10	38	<10	126
CC113574		<20	0.02	<10	<10	43	<10	128
CC113575		<20	0.02	<10	<10	33	<10	120
CC113576		<20	0.03	<10	<10	43	<10	150
CC113577		<20	0.03	<10	<10	43	<10	142
CC113578		<20	0.03	<10	<10	40	<10	138
CC113579		<20	0.03	<10	<10	50	<10	154
CC113580		<20	0.02	<10	<10	45	<10	162

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 8- SEP- 2010
Account: RCM

Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10122416

Sample Description	Method / Analyte / Units / LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC113581		0.30	0.006	0.3	1.53	17	<10	310	0.6	2	2.77	1.0	13	35	47	3.49
CC113582		0.30	0.005	0.2	1.67	15	<10	350	0.6	2	3.17	0.7	13	36	47	3.37
CC113583		0.36	0.005	0.3	1.62	17	<10	380	0.5	2	2.86	0.9	14	45	56	3.47
CC113584		0.40	0.009	0.3	2.25	17	<10	280	0.5	<2	2.27	<0.5	24	93	128	4.41
CC113585		0.32	0.005	0.3	1.88	17	<10	320	0.7	2	0.75	0.8	15	45	50	3.85
CC113586		0.24	0.005	0.3	1.21	16	<10	280	<0.5	<2	6.5	1.4	13	37	57	3.17
CC113587		0.32	0.018	0.5	1.67	15	<10	350	<0.5	2	3.20	0.9	17	76	85	3.95
CC113588		0.26	0.004	0.2	3.23	8	<10	600	<0.5	2	3.12	<0.5	29	143	93	5.63
CC113589		0.22	0.007	<0.2	1.32	51	<10	200	<0.5	<2	2.70	0.7	30	38	83	4.24
CC113590		0.28	0.007	0.2	1.34	67	<10	250	0.5	<2	2.55	0.8	17	31	55	3.52
CC113591		0.32	0.010	<0.2	1.65	19	<10	230	0.5	<2	5.06	<0.5	14	39	55	3.58
CC113592		0.32	0.003	0.2	1.58	24	<10	250	0.6	<2	3.97	0.6	13	32	54	3.46
CC113593		0.24	0.005	<0.2	1.21	136	<10	200	<0.5	<2	3.82	1.6	18	30	70	3.86
CC113594		0.22	0.003	<0.2	1.31	28	<10	330	0.6	2	4.86	0.9	12	32	49	3.14
CC113595		0.38	0.002	<0.2	5.23	4	<10	2210	<0.5	2	2.42	<0.5	47	254	130	7.92
CC113596		0.32	0.002	<0.2	5.51	5	<10	740	<0.5	<2	2.43	<0.5	51	288	139	8.13
CC113597		0.30	0.004	0.3	1.16	15	<10	200	<0.5	<2	4.47	1.5	13	33	54	3.21
CC113598		0.32	0.002	<0.2	2.16	26	<10	340	<0.5	<2	3.82	0.6	38	87	103	3.98
CC113599		0.32	0.002	0.2	1.89	13	<10	280	0.5	2	4.26	0.8	17	67	64	3.71

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 8- SEP- 2010
Account: RCM

Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10122416

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC113581		<10	<1	0.14	20	1.84	764	2	0.02	43	830	33	0.02	<2	5	35
CC113582		10	<1	0.15	10	1.89	692	2	0.02	40	780	29	0.03	<2	5	41
CC113583		<10	<1	0.11	10	1.85	675	4	0.02	59	910	23	0.02	2	5	44
CC113584		10	<1	0.08	10	2.24	682	2	0.02	112	830	22	0.02	<2	5	36
CC113585		<10	1	0.16	20	0.95	625	3	0.02	48	730	36	0.02	<2	6	27
CC113586		<10	<1	0.13	10	2.12	459	9	0.03	67	890	15	0.11	3	3	140
CC113587		10	<1	0.17	10	1.89	351	5	0.02	97	730	12	0.12	5	5	94
CC113588		10	<1	0.16	10	3.80	582	3	0.02	108	910	10	0.05	<2	14	58
CC113589		<10	<1	0.07	10	0.87	857	2	0.02	99	1450	16	0.07	<2	4	45
CC113590		<10	1	0.11	10	1.48	778	2	0.02	62	970	32	0.05	2	4	38
CC113591		10	<1	0.10	20	2.80	778	1	0.02	43	820	27	0.02	<2	4	58
CC113592		<10	<1	0.14	20	2.38	802	2	0.03	43	870	32	0.02	<2	4	47
CC113593		<10	1	0.10	10	2.33	621	5	0.02	77	1040	32	0.03	4	4	45
CC113594		<10	<1	0.16	10	2.34	908	2	0.03	41	910	29	0.07	<2	3	64
CC113595		20	<1	0.29	10	5.09	720	2	0.03	168	1130	2	0.03	<2	25	78
CC113596		20	1	0.27	10	5.63	658	2	0.03	194	1050	2	0.03	<2	25	68
CC113597		<10	<1	0.12	10	2.53	781	8	0.03	64	920	20	0.06	2	4	63
CC113598		10	<1	0.16	10	2.88	609	3	0.03	133	900	17	0.02	<2	7	63
CC113599		<10	<1	0.12	10	2.49	636	2	0.02	62	810	19	0.02	<2	6	73

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 8- SEP- 2010
Account: RCM

Project: RAU (WEST)

CERTIFICATE OF ANALYSIS VA10122416

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
CC113581		<20	0.04	<10	<10	54	<10	168
CC113582		<20	0.03	<10	<10	55	<10	148
CC113583		<20	0.04	<10	<10	62	<10	172
CC113584		<20	0.08	<10	<10	65	<10	134
CC113585		<20	0.03	<10	<10	65	<10	173
CC113586		<20	0.03	<10	<10	61	<10	207
CC113587		<20	0.03	<10	<10	66	<10	193
CC113588		<20	0.06	<10	<10	125	<10	131
CC113589		<20	0.01	<10	<10	35	<10	150
CC113590		<20	0.02	<10	<10	41	<10	169
CC113591		<20	0.04	<10	<10	42	<10	134
CC113592		<20	0.03	<10	<10	50	<10	155
CC113593		<20	0.02	<10	<10	43	<10	228
CC113594		<20	0.03	<10	<10	43	<10	151
CC113595		<20	0.13	<10	<10	208	<10	137
CC113596		<20	0.14	<10	<10	204	<10	131
CC113597		<20	0.03	<10	<10	55	<10	237
CC113598		<20	0.15	<10	<10	72	<10	163
CC113599		<20	0.08	<10	<10	70	<10	151

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Finalized Date: 14- SEP- 2010
Account: RCM

CERTIFICATE VA10122417

Project: RAU

P.O. No.: Batch 74

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 30- AUG- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% < 2mm
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
As- OG62	Ore Grade As - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 14- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10122417

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
I077119		10.96	0.08	0.24	2.17	491	690	0.71	2.71	15.45	0.71	22.2	5.2	29	2.81	44.0
I077120		7.80	<0.01	0.32	8.90	16.8	290	1.22	0.05	0.42	0.43	55.4	43.3	352	7.34	95.4
I077121		9.58	<0.01	0.33	8.80	13.1	2780	1.35	0.07	3.44	0.48	63.9	45.9	307	8.17	82.0
I077122		5.00	<0.01	0.18	9.11	8.7	1840	1.40	0.05	3.25	0.52	81.5	50.2	263	8.98	95.9
I077123		6.48	<0.01	0.11	10.45	13.1	320	1.84	0.07	0.53	0.03	107.0	35.5	288	10.75	23.7
I077124		10.68	<0.01	0.10	8.48	10.6	510	1.21	0.06	4.04	0.40	53.2	50.4	368	10.30	88.8
I077125		8.06	<0.01	0.98	8.44	58.1	3530	1.37	0.06	3.63	1.07	61.0	60.6	346	10.15	87.1
I077126		8.72	<0.01	0.99	9.57	74.2	3740	1.64	0.34	2.25	0.91	112.0	51.3	359	14.95	88.2
I077127		4.98	<0.01	0.12	9.32	14.1	3610	1.63	0.05	0.55	1.89	75.9	54.0	347	13.30	91.1
I077128		7.46	<0.01	0.02	0.09	<5	20	0.10	0.03	19.80	0.08	1.50	1.5	4	0.25	3.6
I077129		5.04	<0.01	0.10	5.23	20.4	2410	0.94	0.07	0.36	0.42	48.0	13.6	229	7.09	27.1
I077130		4.74	<0.01	0.73	10.40	66.4	4090	1.93	0.12	0.13	0.42	81.5	29.2	414	13.60	50.8
I077131		4.28	<0.01	0.26	4.69	31.7	1720	0.61	0.07	7.37	5.42	28.7	36.6	117	5.69	39.7
I077132		0.26	0.41	6.87	5.30	1.9	70	1.07	1.26	1.36	0.04	21.1	8.6	30	21.7	14.2
I077133		10.48	<0.01	0.02	0.30	<5	110	0.08	0.02	21.5	0.69	6.39	2.7	7	0.26	3.0
I077134		7.00	0.04	0.22	6.22	372	550	1.17	16.35	9.68	0.20	40.3	15.2	154	22.0	13.0
I077135		5.42	0.05	0.19	0.08	651	50	0.11	9.22	19.65	0.16	6.39	2.7	4	0.27	4.5
I077136		7.04	0.05	0.09	0.08	319	40	0.10	0.68	19.75	0.16	5.27	1.6	5	0.27	2.7
I077137		4.02	1.38	1.67	0.09	>10000	170	0.09	417	2.37	1.98	13.60	4.6	4	0.26	9.7
I077138		3.02	0.07	0.05	0.04	232	40	0.10	1.26	20.1	0.08	4.33	1.1	3	0.29	3.6
I077139		2.62	12.45	1.50	0.09	>10000	440	0.27	619	3.91	0.46	10.05	1.9	5	0.24	34.8
I077140		7.50	0.01	0.01	0.06	35	10	0.06	0.59	20.2	0.08	1.41	1.3	3	0.21	4.6
I077141		9.66	0.06	0.13	0.07	950	80	0.09	6.91	19.90	0.13	6.65	1.5	3	0.22	2.0
I077142		3.26	2.77	0.67	0.25	>10000	580	0.13	465	11.90	0.19	18.25	1.7	5	0.28	4.8
I077143		6.64	0.84	0.15	0.06	5880	180	0.08	157.0	18.75	0.10	8.79	1.3	2	0.17	3.1
I077144		9.74	1.19	0.85	0.32	>10000	430	0.18	74.1	16.35	0.08	8.96	1.3	9	0.37	6.7
I077145		0.26	8.67	29.3	5.43	7.4	30	1.58	1.07	1.38	0.03	6.07	8.5	36	62.6	16.7
I077146		10.74	0.15	0.22	0.17	1010	160	0.14	6.09	19.70	0.11	7.95	1.6	7	0.27	4.2
I077147		10.26	0.08	0.13	0.23	416	190	0.18	4.43	19.95	0.08	6.73	1.4	9	0.28	3.0
I077148		9.42	1.74	0.19	0.43	1100	240	0.21	75.2	17.95	0.10	6.24	1.7	6	0.60	4.7
I077149		3.62	0.19	0.20	0.51	991	250	0.19	24.0	20.9	0.20	10.10	1.5	9	0.44	2.6
I077150		3.62	3.18	0.46	1.21	1820	470	0.38	124.5	18.15	0.19	13.20	2.7	15	0.88	5.8
I077151		11.90	0.06	0.05	0.09	272	60	0.09	1.35	21.2	0.08	6.91	1.3	4	0.24	1.7
I077152		5.36	0.04	0.04	0.10	177	90	0.10	1.26	20.7	0.09	6.39	1.3	3	0.25	1.6
I077153		7.10	0.40	0.37	0.15	2460	150	0.11	13.95	21.3	0.55	9.66	2.1	3	0.26	3.2
I077154		3.78	0.71	2.41	1.79	>10000	1980	0.75	41.4	4.17	10.70	28.2	6.2	17	4.63	24.2

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 14- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10122417

Sample Description	Method Analyte Units LOR	ME- MS61 Fe % 0.01	ME- MS61 Ga ppm 0.05	ME- MS61 Ge ppm 0.05	ME- MS61 Hf ppm 0.1	ME- MS61 In ppm 0.005	ME- MS61 K % 0.01	ME- MS61 La ppm 0.5	ME- MS61 Li ppm 0.2	ME- MS61 Mg % 0.01	ME- MS61 Mn ppm 5	ME- MS61 Mo ppm 0.05	ME- MS61 Na % 0.01	ME- MS61 Nb ppm 0.1	ME- MS61 Ni ppm 0.2	ME- MS61 P ppm 10
I077119		3.38	6.09	0.07	1.1	0.055	1.05	15.2	15.1	10.25	497	0.36	<0.01	12.8	18.4	1030
I077120		6.93	25.2	0.25	1.4	0.074	4.78	24.1	33.7	1.23	71	3.46	0.11	15.8	186.0	2100
I077121		5.99	22.6	0.23	2.0	0.080	4.57	29.8	34.0	2.78	361	1.13	0.23	18.3	197.0	1980
I077122		5.92	24.0	0.26	1.5	0.079	4.79	39.1	33.7	2.63	446	0.66	0.18	34.2	202	3100
I077123		3.48	32.2	0.27	1.9	0.094	5.91	53.3	43.1	1.24	12	1.18	0.32	64.8	88.9	340
I077124		5.88	22.3	0.25	1.1	0.073	4.63	25.1	34.6	1.99	326	0.58	0.13	29.6	235	1910
I077125		5.92	22.6	0.24	0.7	0.056	4.73	32.7	29.9	2.50	455	0.92	0.13	21.8	229	2470
I077126		8.99	23.9	0.25	2.7	0.064	5.04	64.3	25.8	2.20	342	1.17	0.13	23.7	246	2530
I077127		9.03	23.9	0.19	0.7	0.067	4.87	35.8	29.2	1.41	480	0.71	0.17	16.4	275	2210
I077128		0.47	0.40	<0.05	0.1	0.007	0.04	0.7	2.0	12.50	209	0.30	<0.01	0.4	0.7	190
I077129		3.18	16.05	0.12	0.7	0.033	3.07	26.3	19.5	0.86	135	0.40	0.09	19.2	72.9	920
I077130		5.70	29.9	0.27	3.1	0.084	5.47	43.2	47.1	1.29	35	4.37	0.15	25.2	148.5	1580
I077131		6.75	10.35	0.17	1.6	0.037	2.31	14.9	15.1	4.50	217	5.93	0.05	10.7	148.0	530
I077132		2.08	15.70	0.08	1.4	0.021	3.52	11.5	10.0	0.63	285	9.49	1.26	2.4	8.4	460
I077133		1.08	0.76	<0.05	0.2	0.011	0.15	4.0	2.5	10.80	183	1.26	<0.01	0.9	6.8	20
I077134		5.19	31.0	0.16	2.6	0.032	1.99	15.8	16.2	4.52	874	2.71	0.30	25.2	102.0	3500
I077135		4.50	0.58	0.09	0.1	0.034	0.03	4.7	3.3	10.15	1030	0.55	<0.01	0.4	4.7	180
I077136		1.42	0.50	<0.05	0.1	0.021	0.03	4.3	2.9	10.60	761	0.27	<0.01	0.4	2.0	150
I077137		>50	0.74	0.76	<0.1	0.202	0.02	7.3	1.3	0.59	2020	3.47	<0.01	0.6	16.7	380
I077138		0.86	0.33	<0.05	0.1	0.025	0.02	3.7	2.3	12.15	751	0.16	<0.01	0.2	<0.2	120
I077139		41.7	1.31	0.84	0.1	0.290	0.06	4.6	3.9	0.74	2250	3.14	<0.01	0.4	9.3	300
I077140		0.54	0.28	<0.05	<0.1	0.006	0.03	0.7	1.1	12.80	218	0.07	<0.01	0.2	<0.2	200
I077141		3.34	0.55	<0.05	0.1	0.051	0.03	4.8	2.3	11.40	1460	0.30	<0.01	0.3	0.7	80
I077142		21.9	1.88	0.34	0.1	0.277	0.08	7.6	1.7	4.49	4140	2.04	<0.01	0.5	4.1	160
I077143		8.16	0.60	0.12	0.1	0.086	0.03	5.1	1.7	8.60	2500	0.46	<0.01	0.3	0.8	70
I077144		9.89	1.83	0.14	0.3	0.127	0.14	5.1	2.9	7.76	2130	0.44	<0.01	1.4	2.3	150
I077145		2.10	15.15	0.12	1.0	0.019	3.64	2.6	21.4	0.64	304	27.5	1.16	2.0	14.5	660
I077146		3.16	1.00	0.05	0.1	0.047	0.07	5.7	2.5	11.20	1140	0.26	<0.01	0.6	1.1	130
I077147		1.96	1.16	<0.05	0.2	0.029	0.09	5.2	2.9	11.65	745	0.20	<0.01	1.1	<0.2	130
I077148		6.49	2.08	0.10	0.2	0.040	0.19	4.3	2.8	10.65	1020	0.27	<0.01	1.6	3.7	150
I077149		5.14	3.55	0.07	0.2	0.111	0.22	4.8	2.8	9.05	2680	0.46	<0.01	1.4	1.3	240
I077150		11.25	6.34	0.20	0.6	0.110	0.52	7.3	7.1	7.06	2730	1.13	<0.01	4.4	9.1	730
I077151		1.33	0.67	<0.05	0.1	0.035	0.03	5.1	2.4	11.60	958	0.23	<0.01	0.3	<0.2	80
I077152		1.18	0.71	<0.05	0.1	0.036	0.04	4.7	2.6	11.60	894	0.15	<0.01	0.4	<0.2	100
I077153		6.28	1.07	0.11	0.1	0.080	0.06	5.9	1.8	8.26	2030	0.61	<0.01	0.5	2.1	140
I077154		40.1	6.40	0.73	0.5	0.203	0.57	17.5	3.2	2.32	1830	1.94	0.01	1.9	25.6	620

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 14- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10122417

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I077119		3.8	37.4	<0.002	0.01	5.76	3.7	3	1.9	60.9	0.71	0.06	2.5	0.253	0.24	1.1
I077120		11.7	92.8	0.003	2.82	1.39	23.7	2	1.9	25.2	0.99	0.10	5.5	0.522	3.92	1.8
I077121		8.2	98.6	0.002	3.90	0.84	24.9	2	1.8	53.2	1.16	0.09	6.3	0.621	3.30	1.5
I077122		6.0	91.4	<0.002	4.58	0.59	24.3	2	1.9	47.6	2.24	0.09	7.0	0.890	3.31	1.0
I077123		8.2	101.5	0.003	4.08	0.60	27.8	3	2.6	20.0	4.22	0.12	8.4	1.115	3.98	1.6
I077124		5.3	97.3	<0.002	4.33	0.74	26.2	2	1.6	51.2	1.88	0.09	4.9	0.811	3.54	1.0
I077125		116.0	83.9	<0.002	0.86	4.90	24.7	2	2.0	43.3	1.38	0.09	4.4	0.601	3.64	1.0
I077126		123.5	149.5	<0.002	0.75	5.79	29.8	2	1.9	82.9	1.52	0.11	7.7	0.667	4.43	2.1
I077127		14.2	114.0	<0.002	1.13	0.92	27.4	2	1.7	20.1	1.17	0.08	7.1	0.359	3.67	0.9
I077128		1.2	1.8	<0.002	<0.01	<0.05	0.4	3	0.2	41.6	<0.05	<0.05	<0.2	0.007	0.02	0.8
I077129		20.4	71.3	0.002	0.30	1.39	15.8	1	1.2	11.7	1.32	0.09	3.4	0.471	2.16	0.7
I077130		155.5	150.5	0.002	0.55	6.70	34.3	3	2.6	28.8	1.63	0.12	9.6	0.705	4.60	2.8
I077131		23.3	70.1	0.002	0.24	2.55	10.4	2	3.5	78.5	0.55	<0.05	3.2	0.338	3.23	1.9
I077132		12.7	760	<0.002	0.01	0.72	7.4	2	1.1	59.9	0.19	<0.05	1.3	0.248	6.28	0.6
I077133		1.6	5.5	<0.002	0.04	0.12	1.4	3	0.2	201	0.05	<0.05	0.5	0.021	0.36	0.5
I077134		5.7	320	<0.002	0.04	0.46	15.8	2	11.7	97.4	1.73	0.13	10.9	0.455	1.95	3.4
I077135		3.2	4.3	<0.002	0.01	1.15	0.5	3	0.4	48.2	<0.05	0.06	0.2	0.007	0.08	0.4
I077136		2.4	3.9	<0.002	0.01	0.57	0.5	2	0.3	46.1	<0.05	<0.05	<0.2	0.007	0.05	0.2
I077137		31.8	1.5	0.009	0.09	29.0	0.6	7	0.6	19.0	<0.05	0.59	0.2	<0.005	0.24	6.8
I077138		1.6	2.1	<0.002	<0.01	0.68	0.2	2	0.2	53.7	<0.05	<0.05	<0.2	<0.005	0.03	0.1
I077139		20.7	2.4	0.010	0.11	92.3	1.1	5	1.0	51.9	<0.05	0.69	0.2	0.006	0.41	7.8
I077140		1.1	1.4	<0.002	0.01	0.11	0.3	3	<0.2	44.2	<0.05	<0.05	<0.2	<0.005	<0.02	0.7
I077141		4.3	1.8	<0.002	0.01	1.36	0.6	3	0.3	68.8	<0.05	<0.05	0.2	0.005	0.03	0.3
I077142		11.7	4.3	0.004	0.05	32.6	1.1	5	0.6	62.8	<0.05	0.45	0.2	0.008	0.13	5.0
I077143		5.5	1.6	<0.002	0.02	14.60	0.5	3	0.2	73.5	<0.05	0.08	<0.2	<0.005	0.05	1.1
I077144		5.9	6.1	0.002	0.05	19.30	1.0	3	0.6	95.0	0.07	0.18	0.4	0.034	0.10	1.7
I077145		5.8	1570	<0.002	0.03	0.89	7.7	1	1.0	61.5	0.34	<0.05	0.6	0.251	13.70	0.3
I077146		3.6	4.1	<0.002	0.01	2.40	0.9	3	0.4	73.3	<0.05	0.05	0.2	0.014	0.04	0.3
I077147		3.2	4.4	<0.002	0.01	1.93	0.8	3	0.3	54.7	0.06	<0.05	0.2	0.025	0.05	0.3
I077148		5.0	9.6	<0.002	0.02	17.20	0.9	3	0.4	51.2	0.07	0.07	0.4	0.036	0.08	0.5
I077149		5.8	11.6	<0.002	0.01	4.62	1.7	3	0.7	94.0	0.07	0.05	0.3	0.028	0.09	0.4
I077150		6.0	22.7	<0.002	0.02	16.90	2.4	3	1.4	64.5	0.23	0.10	0.9	0.110	0.23	1.3
I077151		3.6	2.1	<0.002	0.02	0.66	0.7	3	0.2	68.4	<0.05	<0.05	<0.2	0.006	0.03	0.1
I077152		3.5	2.3	<0.002	0.01	0.67	0.6	3	0.2	68.1	<0.05	<0.05	<0.2	0.008	0.04	0.1
I077153		30.5	3.5	<0.002	0.03	1.82	1.1	4	0.3	69.5	<0.05	0.07	0.2	0.010	0.08	0.4
I077154		125.5	37.1	0.003	0.06	11.35	4.1	4	1.3	28.1	0.08	0.11	1.5	0.049	0.49	4.1

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 14- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10122417

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	As- OG62 As % 0.001
I077119		52	2.9	12.1	156	48.2	
I077120		199	1.1	18.0	112	62.3	
I077121		196	1.0	16.0	98	86.0	
I077122		154	0.7	19.7	86	67.7	
I077123		222	1.1	8.1	17	87.9	
I077124		214	1.0	13.5	105	50.9	
I077125		177	2.0	14.6	396	32.4	
I077126		173	1.6	20.7	491	123.0	
I077127		170	0.5	20.9	269	30.0	
I077128		2	0.1	0.9	15	4.6	
I077129		129	1.2	5.6	119	33.9	
I077130		314	2.0	14.2	332	138.5	
I077131		82	0.8	12.6	926	61.1	
I077132		52	0.4	11.1	27	53.7	
I077133		5	0.1	4.2	132	5.8	
I077134		107	4.7	29.5	121	135.5	
I077135		4	14.5	6.8	43	3.4	
I077136		5	1.8	5.2	39	3.6	
I077137		10	369	17.4	532	1.5	1.260
I077138		5	2.0	3.4	28	2.7	
I077139		11	403	11.6	193	3.3	2.92
I077140		2	1.4	0.8	15	1.3	
I077141		4	27.4	6.7	43	3.5	
I077142		11	134.5	21.9	51	5.6	1.600
I077143		6	5.4	9.5	37	2.1	
I077144		9	131.0	10.3	27	11.5	1.090
I077145		54	0.4	8.2	29	33.5	
I077146		7	4.9	8.6	26	4.3	
I077147		6	6.0	6.6	19	6.9	
I077148		8	9.1	5.6	22	10.9	
I077149		12	14.2	12.5	43	10.2	
I077150		24	16.8	12.7	70	25.6	
I077151		7	7.3	6.6	21	2.7	
I077152		7	13.5	6.4	18	3.5	
I077153		9	11.5	9.5	165	3.5	
I077154		34	51.6	28.1	2480	18.2	2.05

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 14- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10122417

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 12- SEP- 2010
This copy reported on 6- OCT- 2010
Account: RCM

CERTIFICATE VA10122418

Project: RAU

P.O. No.: Batch 73

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 30- AUG- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% < 2mm
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
As- OG62	Ore Grade As - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 12- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10122418

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
I077083		7.00	4.42	11.15	1.91	>10000	4450	0.57	286	1.28	2.98	24.0	6.9	31	3.87	281
I077084		0.26	8.73	21.6	5.23	57.8	50	1.51	1.56	1.46	0.04	5.58	8.6	37	58.5	16.8
I077085		4.84	4.71	5.77	0.83	>10000	2440	0.31	288	0.77	0.93	10.95	3.4	13	0.82	131.0
I077086		4.66	4.41	1.52	1.10	>10000	1230	0.46	315	0.84	0.82	18.65	3.3	13	0.91	64.2
I077087		7.58	0.01	0.03	0.08	326	40	0.06	1.40	20.8	0.07	1.38	1.2	1	0.16	3.2
I077088		4.66	2.78	1.07	0.90	>10000	1320	0.38	433	0.75	0.50	19.35	5.9	7	0.83	43.8
I077089		4.96	2.35	1.10	1.50	>10000	1620	0.46	216	5.94	0.18	15.00	5.9	19	1.03	21.7
I077090		4.96	0.22	0.16	1.32	2830	1360	0.50	7.38	18.90	0.13	14.95	4.2	18	1.29	4.7
I077091		8.40	0.17	0.09	0.59	1820	470	0.27	4.92	19.75	0.11	13.60	2.4	9	0.56	4.1
I077092		3.38	1.12	0.75	0.38	>10000	740	0.18	112.5	3.89	1.30	16.15	3.5	1	0.69	11.9
I077093		3.60	0.31	0.18	0.24	6210	430	0.12	27.5	20.7	0.47	10.10	2.0	3	0.26	4.1
I077094		4.68	0.13	0.05	0.39	1940	570	0.23	15.55	21.4	0.16	7.01	1.9	6	0.33	2.7
I077095		4.92	0.16	0.08	0.53	1810	560	0.26	17.10	20.1	0.08	7.87	2.5	9	0.56	4.7
I077096		5.68	0.13	0.08	0.29	1010	270	0.19	10.35	20.0	0.06	6.07	1.9	5	0.33	10.6
I077097		5.20	0.12	0.10	0.78	837	1050	0.37	17.95	19.25	0.05	8.48	2.4	11	0.94	22.0
I077098		5.26	0.14	0.06	0.64	1770	410	0.29	24.5	19.15	0.07	9.47	2.6	9	0.70	5.6
I077099		4.76	0.11	0.06	0.62	1110	400	0.30	6.54	20.1	0.07	7.16	2.5	8	0.72	4.6
I077100		5.26	0.11	0.06	0.54	1010	350	0.21	3.19	20.1	0.09	6.48	2.2	7	0.78	3.3
I077101		4.32	0.23	0.12	0.52	2470	350	0.25	8.72	18.70	0.13	9.86	3.1	8	0.43	6.6
I077102		4.84	0.18	0.08	0.58	2770	340	0.23	27.9	20.7	0.15	10.20	3.5	10	0.30	6.1
I077103		2.50	0.18	0.08	0.44	2750	290	0.18	25.9	21.0	0.17	11.15	3.0	6	0.23	5.3
I077104		5.38	0.12	0.06	0.95	615	410	0.39	15.20	19.50	0.07	8.95	3.0	13	0.84	4.0
I077105		4.56	0.27	0.13	0.77	2190	270	0.30	55.1	19.00	0.09	9.79	3.1	10	0.58	7.7
I077106		4.08	0.16	0.04	0.43	2070	170	0.16	22.5	20.9	0.08	9.07	2.4	7	0.33	4.7
I077107		10.16	0.30	0.03	0.46	1320	90	0.20	24.6	19.50	0.09	7.44	2.4	7	0.64	3.8
I077108		10.88	0.11	0.05	0.25	1020	60	0.22	4.91	20.6	0.23	6.62	2.1	3	0.49	2.1
I077109		5.64	0.15	0.05	0.21	1850	60	0.16	16.15	19.55	0.34	7.84	2.2	4	0.57	2.7
I077110		4.84	0.12	0.10	0.45	1370	70	0.22	5.93	18.45	0.44	6.90	2.9	8	0.78	2.0
I077111		7.52	<0.01	25.3	0.07	17	660	0.06	0.22	20.9	0.10	1.27	1.3	1	0.18	2.1
I077112		4.00	0.18	0.08	0.45	2180	80	0.22	13.00	18.85	0.48	7.66	3.3	7	0.95	3.8
I077113		4.90	0.18	0.11	0.69	1800	110	0.30	22.8	17.90	0.30	8.62	3.1	10	1.63	3.9
I077114		5.32	0.11	0.06	0.94	550	210	0.36	11.15	18.60	0.17	8.92	2.5	11	2.36	3.7
I077115		5.56	0.05	0.06	0.67	442	460	0.28	3.09	19.15	0.20	8.29	2.2	8	1.70	3.8
I077116		4.04	0.12	0.21	0.66	1120	360	0.36	21.1	19.40	1.05	9.59	2.7	8	1.61	13.0
I077117		4.86	0.07	0.10	1.71	3930	560	0.69	5.39	13.95	3.64	15.80	4.5	15	2.80	7.8
I077118		0.28	0.39	6.41	5.11	0.5	70	1.36	1.13	1.33	0.03	22.1	8.8	29	20.4	14.5

Comments: **CORRECTED COPY FOR Au- AA26 ON SAMPLES I077083 TO I077118**

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 12- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10122418

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I077083		39.2	7.40	0.76	0.5	0.187	0.73	16.8	4.9	0.40	1550	4.32	<0.01	2.5	38.9	520
I077084		2.28	15.65	0.10	1.0	0.023	3.71	2.3	19.8	0.66	310	15.30	1.20	1.9	14.3	640
I077085		35.4	4.78	0.74	0.4	0.188	0.29	6.2	1.3	0.12	1300	2.73	0.01	1.0	15.7	210
I077086		42.4	6.45	0.83	0.4	0.230	0.31	9.9	1.7	0.18	1650	1.92	0.01	1.2	19.4	270
I077087		0.72	0.30	0.05	<0.1	0.006	0.03	0.7	1.1	12.75	224	0.11	<0.01	0.2	1.0	190
I077088		44.4	5.67	0.85	0.4	0.284	0.29	9.1	2.0	0.16	2510	1.61	0.01	1.2	20.3	300
I077089		30.2	9.56	0.53	0.8	0.175	0.68	7.2	3.6	0.41	2500	1.24	0.01	2.2	20.9	330
I077090		5.21	5.58	0.13	0.5	0.055	0.64	8.5	8.3	8.02	1240	0.30	0.01	7.2	15.4	410
I077091		3.50	2.97	0.08	0.4	0.038	0.25	8.4	5.7	9.71	1120	0.19	0.01	3.0	7.0	220
I077092		41.1	2.93	0.74	0.2	0.175	0.15	8.4	0.9	0.66	2940	0.64	<0.01	1.0	14.0	250
I077093		12.30	1.64	0.23	0.2	0.110	0.08	4.6	1.7	6.17	3310	0.31	0.01	1.0	4.2	150
I077094		4.16	2.03	0.10	0.2	0.052	0.16	3.9	2.6	9.69	1600	0.19	0.01	1.4	3.9	160
I077095		4.40	3.08	0.11	0.4	0.067	0.22	4.4	4.2	9.27	1500	0.22	0.01	2.0	7.2	220
I077096		3.40	1.58	0.10	0.2	0.039	0.13	4.2	3.0	10.95	951	0.18	0.01	1.3	3.7	140
I077097		3.02	4.06	0.10	0.5	0.078	0.39	4.9	6.0	10.20	1340	0.15	0.01	2.9	7.7	260
I077098		5.29	3.25	0.13	0.4	0.078	0.28	5.4	5.3	9.54	1480	0.20	0.01	2.3	9.6	190
I077099		2.81	2.89	0.08	0.4	0.035	0.30	4.3	5.4	10.55	1100	0.23	0.01	2.2	8.9	230
I077100		2.40	2.48	0.07	0.3	0.029	0.25	4.1	4.5	10.50	941	0.15	0.01	2.5	6.3	220
I077101		6.97	2.64	0.17	0.4	0.063	0.22	6.0	4.8	8.98	1340	0.41	0.01	2.7	10.4	270
I077102		8.09	2.87	0.17	0.4	0.084	0.27	5.5	3.1	7.04	1780	0.47	0.01	1.9	10.3	290
I077103		7.83	2.31	0.18	0.3	0.103	0.20	5.9	2.5	6.74	2000	0.48	0.01	1.4	8.1	240
I077104		2.97	4.18	0.09	0.6	0.044	0.47	5.3	6.9	10.70	1060	0.20	0.01	4.2	9.8	360
I077105		9.11	3.75	0.20	0.5	0.094	0.32	5.0	4.4	7.62	1920	0.49	0.02	2.8	11.4	290
I077106		4.81	2.11	0.11	0.3	0.072	0.22	5.1	2.7	8.85	1720	0.39	0.01	2.0	6.6	210
I077107		3.42	2.15	0.10	0.3	0.031	0.21	5.2	4.1	10.75	720	0.23	0.01	2.5	7.1	200
I077108		3.13	1.29	0.08	0.2	0.025	0.10	4.8	2.2	11.55	853	0.22	0.01	1.1	4.5	130
I077109		5.58	1.19	0.13	0.2	0.048	0.10	4.9	2.6	11.10	1420	0.32	0.01	1.1	4.8	130
I077110		4.24	2.19	0.11	0.3	0.025	0.20	4.7	3.1	11.05	885	0.24	0.01	2.3	8.4	180
I077111		0.49	0.32	0.10	<0.1	0.006	0.03	0.6	1.2	12.90	215	0.06	<0.01	0.3	0.9	180
I077112		6.09	2.19	0.14	0.3	0.047	0.20	4.5	3.1	9.47	1240	0.51	0.01	1.9	8.2	180
I077113		6.34	3.14	0.14	0.4	0.046	0.34	4.9	6.0	9.79	1170	0.38	0.01	3.3	10.4	240
I077114		3.41	4.49	0.11	0.6	0.034	0.48	5.0	8.7	10.90	1240	0.35	0.01	3.8	8.1	300
I077115		2.52	3.06	0.07	0.4	0.019	0.40	4.9	6.2	11.80	1100	0.21	0.01	3.1	6.9	220
I077116		4.26	3.46	0.12	0.5	0.037	0.33	5.4	6.5	10.95	1110	0.47	0.01	3.3	7.7	290
I077117		12.05	5.54	0.24	0.7	0.044	0.79	9.4	12.4	9.14	1030	0.44	0.01	4.0	18.6	650
I077118		2.01	15.95	0.14	1.5	0.021	3.43	12.2	12.3	0.62	286	9.58	1.25	2.5	10.1	440

Comments: **CORRECTED COPY FOR Au- AA26 ON SAMPLES I077083 TO I077118**

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 12- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10122418

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I077083		25.0	38.6	0.006	0.17	139.0	4.0	3	1.2	63.1	0.10	0.40	1.7	0.064	0.55	4.9
I077084		6.9	1520	<0.002	0.03	0.98	8.1	2	1.0	56.6	0.21	<0.05	0.5	0.255	12.95	0.3
I077085		16.2	13.2	0.008	0.09	129.0	1.6	10	1.0	40.6	<0.05	0.55	0.7	0.023	0.29	3.1
I077086		21.1	16.3	0.004	0.07	64.9	2.6	11	1.0	22.0	<0.05	0.48	0.8	0.023	0.28	3.4
I077087		1.3	1.5	<0.002	0.01	0.53	0.4	3	0.2	40.8	<0.05	<0.05	<0.2	<0.005	<0.02	0.7
I077088		20.9	14.1	0.010	0.08	51.4	2.1	11	1.0	22.4	<0.05	0.53	0.7	0.023	0.31	3.1
I077089		10.6	27.7	0.003	0.04	26.1	2.8	7	1.6	14.6	0.08	0.29	1.4	0.037	0.29	2.5
I077090		5.9	25.7	<0.002	0.01	2.25	2.6	3	1.2	46.4	0.35	0.07	1.7	0.087	0.23	0.7
I077091		4.1	10.7	<0.002	0.01	2.00	1.3	3	0.7	59.8	0.15	0.05	0.6	0.060	0.10	0.5
I077092		130.5	10.0	0.008	0.06	15.40	2.1	7	0.5	20.9	<0.05	0.42	0.5	0.011	0.23	2.9
I077093		38.9	4.7	<0.002	0.02	3.75	1.0	5	0.5	63.6	0.05	<0.05	0.3	0.015	0.07	0.7
I077094		7.5	8.5	<0.002	0.01	2.08	1.2	3	0.6	73.2	0.07	<0.05	0.4	0.029	0.07	0.4
I077095		4.9	10.1	<0.002	0.01	2.65	1.5	3	0.6	62.1	0.10	<0.05	0.5	0.042	0.09	0.5
I077096		3.2	5.9	<0.002	0.01	3.72	0.8	3	0.4	43.4	0.07	<0.05	0.4	0.023	0.06	0.4
I077097		3.3	14.7	<0.002	0.01	14.20	2.0	3	0.8	54.2	0.16	<0.05	0.8	0.065	0.12	0.5
I077098		4.3	11.3	<0.002	0.01	3.55	1.7	4	0.6	51.5	0.11	<0.05	0.6	0.052	0.10	0.6
I077099		3.3	11.6	<0.002	<0.01	1.56	1.5	3	0.6	50.0	0.12	<0.05	0.7	0.048	0.10	0.5
I077100		4.0	9.7	<0.002	0.01	1.36	1.5	3	0.6	48.2	0.13	<0.05	0.6	0.054	0.09	0.5
I077101		5.1	8.9	<0.002	0.01	2.39	1.8	3	0.5	47.8	0.12	<0.05	0.7	0.043	0.10	0.8
I077102		5.8	10.0	<0.002	0.01	4.21	1.7	3	0.6	45.9	0.09	<0.05	0.8	0.032	0.09	0.9
I077103		5.5	7.7	<0.002	0.01	3.80	1.6	3	0.5	48.9	0.06	<0.05	0.6	0.025	0.08	0.9
I077104		3.1	17.8	<0.002	0.01	2.22	2.6	3	0.7	53.4	0.23	<0.05	1.1	0.080	0.14	0.6
I077105		6.5	12.6	<0.002	0.01	6.93	1.9	3	0.6	51.1	0.14	<0.05	0.9	0.045	0.12	1.1
I077106		3.1	8.3	<0.002	0.01	4.07	1.4	3	0.4	50.8	0.09	<0.05	0.5	0.035	0.08	0.8
I077107		2.4	9.4	<0.002	0.01	3.26	1.3	3	0.4	47.0	0.12	<0.05	0.6	0.046	0.09	0.6
I077108		7.4	6.3	<0.002	0.01	2.20	0.8	3	0.2	47.9	0.05	<0.05	0.3	0.022	0.06	0.4
I077109		4.3	8.9	<0.002	0.01	2.75	1.4	3	0.3	59.0	0.05	<0.05	0.3	0.019	0.10	0.4
I077110		6.4	20.9	<0.002	0.01	0.90	1.5	2	0.5	45.1	0.11	0.07	0.6	0.045	0.12	0.5
I077111		770	1.5	<0.002	0.02	2.25	0.3	2	<0.2	58.3	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
I077112		4.2	17.0	<0.002	0.01	1.10	1.5	3	0.4	48.3	0.09	0.06	0.5	0.038	0.15	0.6
I077113		4.3	19.9	<0.002	0.01	1.45	2.0	3	0.6	47.1	0.16	<0.05	0.7	0.063	0.17	0.6
I077114		3.0	23.9	<0.002	0.01	0.97	2.3	3	0.8	55.0	0.20	<0.05	0.7	0.079	0.22	0.6
I077115		3.7	16.1	<0.002	<0.01	0.71	1.8	3	0.6	59.9	0.16	<0.05	0.7	0.065	0.16	0.4
I077116		7.4	18.1	<0.002	<0.01	4.11	2.1	4	0.7	70.9	0.17	<0.05	0.9	0.060	0.17	0.6
I077117		17.2	32.0	<0.002	0.01	3.04	3.0	4	0.8	50.2	0.23	0.06	1.3	0.100	0.30	1.3
I077118		13.9	750	<0.002	0.01	0.69	7.1	2	1.0	62.6	0.23	0.08	1.3	0.241	5.90	0.7

Comments: **CORRECTED COPY FOR Au- AA26 ON SAMPLES I077083 TO I077118**

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 12- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10122418

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	As- OG62 As % 0.001
I077083		38	123.5	14.2	1110	17.8	3.30
I077084		52	0.5	7.4	35	30.6	
I077085		22	323	9.9	529	15.1	2.66
I077086		31	178.5	16.0	454	15.1	3.04
I077087		4	1.0	0.9	23	<0.5	
I077088		24	570	20.3	488	13.1	2.67
I077089		27	94.0	17.3	375	31.8	1.820
I077090		22	4.3	7.5	176	19.3	
I077091		18	5.8	7.4	129	13.9	
I077092		21	387	17.4	604	8.1	2.34
I077093		14	44.0	13.0	196	6.2	
I077094		14	2.9	7.3	69	8.9	
I077095		17	3.8	7.6	38	13.4	
I077096		10	3.6	5.8	25	7.7	
I077097		16	3.5	8.0	28	17.4	
I077098		16	9.0	9.1	45	14.7	
I077099		18	6.2	6.7	41	14.7	
I077100		17	2.9	5.7	41	13.0	
I077101		22	16.1	9.4	82	15.1	
I077102		16	3.7	13.2	136	16.6	
I077103		14	2.9	14.4	129	11.6	
I077104		19	3.2	7.2	24	22.1	
I077105		15	4.2	12.1	67	20.3	
I077106		14	15.0	9.2	42	12.5	
I077107		14	7.6	6.4	44	12.7	
I077108		9	2.9	6.7	80	6.9	
I077109		12	5.6	8.4	118	6.0	
I077110		15	4.5	6.2	112	13.1	
I077111		4	0.2	0.8	18	<0.5	
I077112		14	4.3	7.0	132	11.6	
I077113		20	4.5	8.1	118	16.1	
I077114		25	3.6	7.8	59	21.9	
I077115		19	3.9	6.1	77	15.1	
I077116		16	7.6	10.1	169	17.8	
I077117		30	11.7	13.1	816	26.5	
I077118		52	0.4	12.4	27	52.2	

Comments: **CORRECTED COPY FOR Au- AA26 ON SAMPLES I077083 TO I077118**

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ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 12- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10122418

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 11- SEP- 2010
Account: RCM

CERTIFICATE VA10125455

Project: RAU (CHEETAH)

P.O. No.: BATCH 6

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 3- SEP- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- 31	Fine crushing - 70% < 2mm
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
Ag- OG62	Ore Grade Ag - Four Acid	VARIABLE
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Pb- OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn- OG62	Ore Grade Zn - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 11- SEP- 2010
Account: RCM

Project: RAU (CHEETAH)

CERTIFICATE OF ANALYSIS VA10125455

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
J980644		3.96	<0.01	0.06	0.24	10	60	0.15	0.06	20.8	0.15	2.76	1.4	6	0.11	3.6
J980645		5.26	0.01	0.11	0.95	11	220	0.29	0.06	19.85	0.19	10.90	2.7	21	0.32	7.7
J980646		4.44	<0.01	0.14	0.53	13	130	0.23	0.85	20.8	0.24	7.13	2.2	15	0.27	5.8
J980647		5.04	<0.01	0.15	0.44	5	130	0.20	0.22	21.3	0.29	6.35	1.8	15	0.21	3.9
J980648		4.20	<0.01	0.01	0.06	<5	30	<0.05	0.02	21.6	0.07	1.41	1.3	5	0.14	1.5
J980649		5.24	0.02	0.14	0.28	13	90	0.21	0.72	21.5	0.28	5.30	1.7	7	0.16	3.8
J980686		5.00	0.01	0.14	0.04	50	40	0.12	0.65	21.2	0.16	9.44	1.1	4	0.07	2.2
J980687		5.32	<0.01	0.15	0.03	28	40	0.08	0.26	21.4	0.16	3.27	1.1	4	0.09	1.6
J980688		5.56	<0.01	0.47	0.06	28	60	0.08	0.41	21.4	0.48	2.66	1.0	6	0.05	3.0
J980689		3.78	0.02	1.07	0.17	26	90	0.14	1.52	21.9	0.28	3.66	1.5	10	0.13	5.4
J980690		4.70	<0.01	0.28	0.07	20	40	0.11	0.58	21.3	0.44	2.09	1.1	9	<0.05	6.1
J980691		3.48	<0.01	0.15	0.05	9	30	0.09	0.09	20.7	0.15	1.63	1.0	7	<0.05	3.4
J980692		3.70	<0.01	0.17	0.07	13	40	0.08	0.11	21.1	0.13	2.12	1.0	9	<0.05	2.6
J980693		4.92	<0.01	0.09	0.11	16	70	0.13	0.11	21.6	0.11	3.06	0.7	10	0.05	2.7
J980694		2.64	<0.01	0.07	0.09	12	70	0.11	0.10	21.3	0.10	3.11	0.9	9	0.05	2.4
J980695		5.40	<0.01	0.15	0.21	41	180	0.18	0.38	21.3	0.17	4.72	1.0	12	0.10	5.4
J980696		4.58	<0.01	0.12	0.11	23	90	0.12	0.32	20.7	0.12	3.70	1.1	6	0.06	4.4
J980697		0.14	0.48	>100	4.40	9020	170	1.01	0.23	2.03	277	52.1	16.0	43	7.71	991
J980698		5.08	0.01	0.57	0.12	178	90	0.17	1.00	20.8	0.29	4.02	1.2	7	0.06	4.6
J980699		3.56	0.01	0.22	0.23	123	140	0.15	1.94	20.9	0.35	7.63	1.7	7	0.16	5.7
J980700		3.86	0.01	0.45	0.38	237	320	0.27	0.92	21.4	0.28	6.84	1.5	7	0.20	3.7
J980701		4.12	0.02	1.09	0.29	237	250	0.17	15.10	22.9	1.51	12.55	1.8	8	0.30	5.1
J980702		3.70	0.16	12.85	2.57	2730	880	1.05	123.0	9.99	12.15	58.2	20.8	56	3.83	53.0
J980703		5.86	0.22	4.13	2.07	1060	570	0.70	129.0	17.50	11.55	11.85	4.5	18	2.10	14.4
J980704		3.72	<0.01	0.04	0.11	10	30	0.06	0.46	20.6	0.12	1.54	1.1	3	0.25	1.6
J980705		4.78	0.05	1.33	0.08	242	180	0.08	1.12	22.8	2.29	6.82	1.8	3	0.17	2.5
J980706		5.18	0.01	0.60	0.12	78	140	0.10	0.86	21.3	1.95	6.08	1.3	3	0.21	2.4
J980707		3.34	0.08	4.39	2.02	141	1360	0.99	8.89	16.10	6.66	28.3	17.0	15	1.44	15.9
J980708		3.98	0.01	0.34	0.21	19	210	0.17	0.80	20.1	0.55	5.67	1.5	6	0.24	3.2
J980709		1.90	0.22	2.32	7.98	146.0	5140	3.78	18.60	0.35	2.23	116.5	19.6	74	3.87	20.6
J980710		5.14	0.21	1.37	7.41	70.5	5010	3.12	5.70	3.20	0.44	76.3	13.5	72	3.97	11.8
J980711		3.00	0.05	0.05	9.93	61.9	3690	3.47	1.15	0.07	<0.02	151.5	2.9	92	5.49	5.1
J980712		2.98	0.08	0.04	8.97	47.2	2790	3.44	2.74	0.04	<0.02	115.0	7.4	77	5.04	4.2
J980713		2.78	0.08	0.52	5.29	123.0	1490	2.83	1.44	1.17	1.76	61.5	47.5	39	5.18	25.2
J980714		0.26	0.37	7.05	5.10	0.5	90	1.02	1.21	1.37	0.02	20.7	8.7	32	20.5	12.1
J980715		3.56	0.01	0.08	0.69	9	170	0.38	0.13	15.85	0.23	11.90	2.4	7	0.35	4.5

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CERTIFICATE OF ANALYSIS VA10125455

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
J980644		0.17	0.64	<0.05	0.1	<0.005	0.11	1.5	3.0	13.10	90	1.29	<0.01	1.2	4.0	60
J980645		0.40	1.92	0.06	0.5	0.012	0.47	5.5	4.8	12.35	112	1.09	0.01	5.1	10.3	330
J980646		0.35	1.21	0.08	0.3	0.017	0.25	4.0	4.2	12.65	171	0.62	<0.01	2.8	6.9	290
J980647		0.26	1.01	0.11	0.2	0.014	0.21	3.8	4.1	12.90	224	0.65	<0.01	2.2	6.3	810
J980648		0.44	0.31	0.11	<0.1	0.005	0.03	0.7	1.3	13.55	195	0.11	<0.01	0.3	<0.2	230
J980649		0.25	0.81	0.12	0.1	0.017	0.13	3.3	3.9	13.20	202	0.80	<0.01	1.5	4.0	750
J980686		0.40	0.92	0.14	<0.1	0.027	0.01	6.6	2.5	12.30	220	0.42	<0.01	0.3	0.2	40
J980687		0.23	0.35	0.16	<0.1	0.043	0.01	2.1	2.5	12.80	284	0.29	<0.01	0.2	<0.2	40
J980688		0.25	0.41	0.15	<0.1	0.028	0.02	1.6	2.4	12.20	338	0.22	<0.01	0.3	0.6	50
J980689		0.30	0.62	0.14	0.1	0.013	0.07	2.2	3.3	13.15	218	0.70	<0.01	0.7	1.7	110
J980690		0.16	0.34	0.15	<0.1	<0.005	0.03	1.4	3.5	12.45	251	0.41	<0.01	0.2	<0.2	70
J980691		0.09	0.30	0.16	<0.1	<0.005	0.02	1.0	3.3	12.90	121	0.22	<0.01	0.2	<0.2	70
J980692		0.10	0.40	0.20	<0.1	<0.005	0.03	1.4	3.7	13.00	111	0.24	<0.01	0.2	<0.2	50
J980693		0.11	0.42	0.12	<0.1	<0.005	0.04	1.9	3.4	13.20	159	0.25	<0.01	0.2	<0.2	60
J980694		0.10	0.47	0.17	<0.1	<0.005	0.04	1.9	3.7	13.00	150	0.23	<0.01	0.3	<0.2	60
J980695		0.27	0.99	0.15	0.1	0.009	0.09	2.9	4.4	12.45	245	0.31	<0.01	0.4	<0.2	60
J980696		0.15	0.55	0.20	<0.1	<0.005	0.04	2.4	3.8	12.75	211	0.18	<0.01	0.3	<0.2	60
J980697		11.80	14.25	0.52	3.2	0.678	2.52	27.4	23.8	0.34	2080	10.90	0.02	6.2	26.0	390
J980698		0.42	0.53	0.11	0.1	0.008	0.05	2.5	3.8	12.45	253	0.32	<0.01	0.3	<0.2	120
J980699		0.57	0.90	0.11	0.1	0.032	0.10	4.8	3.9	12.40	428	0.67	<0.01	0.7	1.2	190
J980700		0.85	1.62	0.08	0.3	0.025	0.18	4.0	3.8	12.00	585	0.69	<0.01	1.3	0.2	150
J980701		2.10	1.20	0.07	0.2	0.069	0.11	6.2	3.1	9.09	1600	1.04	<0.01	0.9	2.7	240
J980702		23.9	8.99	0.33	0.9	0.404	0.93	33.8	12.5	2.25	3150	6.75	0.03	10.9	79.7	1240
J980703		8.58	15.85	0.13	0.7	0.285	0.60	6.8	6.9	6.45	2160	1.20	0.07	2.0	10.8	350
J980704		0.50	0.43	0.08	<0.1	<0.005	0.04	0.8	1.6	12.90	195	0.11	<0.01	0.4	<0.2	220
J980705		3.35	0.96	0.07	<0.1	0.254	0.01	3.5	1.8	10.25	2460	0.57	<0.01	0.2	3.6	90
J980706		1.36	1.06	0.05	0.1	0.256	0.02	3.3	2.4	11.90	1940	0.49	<0.01	0.3	0.5	300
J980707		4.77	7.18	0.11	0.6	0.183	0.76	15.0	7.8	9.01	2330	2.12	0.04	2.2	30.8	500
J980708		0.41	1.11	0.09	0.1	0.051	0.07	3.2	3.3	12.25	728	0.46	<0.01	0.4	1.1	450
J980709		11.05	24.2	0.25	1.8	0.069	3.69	59.8	16.3	0.62	721	2.06	0.08	3.6	36.3	460
J980710		5.04	25.7	0.19	2.6	0.073	4.08	36.0	10.1	0.42	739	0.76	0.09	8.1	25.5	410
J980711		1.94	32.1	0.19	4.1	0.088	5.35	76.0	7.5	0.50	22	0.39	0.09	14.1	9.3	370
J980712		2.20	27.0	0.18	2.6	0.072	4.63	59.3	7.9	0.45	80	0.29	0.07	8.6	13.8	360
J980713		7.11	12.20	0.16	1.6	0.051	1.87	28.9	8.9	0.60	2300	2.19	0.02	2.6	95.9	3330
J980714		2.10	15.55	0.10	1.4	0.019	3.48	11.7	8.7	0.62	294	9.97	1.22	2.3	8.4	460
J980715		0.69	2.06	0.08	0.3	0.013	0.32	5.9	4.2	9.82	892	0.49	0.01	1.0	2.2	930

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	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
J980644		4.6	3.2	<0.002	0.01	0.39	0.7	1	<0.2	74.5	0.06	<0.05	0.3	0.022	0.09	2.4
J980645		6.3	11.8	<0.002	0.01	0.75	2.6	2	0.2	82.6	0.30	<0.05	1.0	0.092	0.31	3.3
J980646		24.7	7.2	<0.002	0.01	0.98	1.6	2	0.5	86.2	0.16	<0.05	0.6	0.052	0.19	4.8
J980647		20.3	6.3	<0.002	0.01	1.89	1.5	2	0.3	82.6	0.12	<0.05	0.5	0.040	0.18	10.5
J980648		1.7	1.3	<0.002	<0.01	<0.05	0.3	2	<0.2	48.9	<0.05	<0.05	<0.2	<0.005	<0.02	0.8
J980649		26.6	4.1	<0.002	0.01	0.79	0.9	2	0.3	89.2	0.08	<0.05	0.4	0.027	0.11	7.7
J980686		10.6	0.3	<0.002	<0.01	0.64	0.2	2	0.7	41.2	<0.05	<0.05	<0.2	<0.005	0.02	1.7
J980687		7.8	0.4	<0.002	<0.01	0.36	0.2	2	0.3	44.6	<0.05	<0.05	<0.2	<0.005	0.03	1.5
J980688		14.6	0.9	<0.002	<0.01	0.48	0.3	2	0.3	38.5	<0.05	<0.05	<0.2	<0.005	0.04	1.6
J980689		24.7	2.7	<0.002	<0.01	0.75	0.5	2	0.5	54.0	<0.05	<0.05	0.3	0.013	0.07	3.2
J980690		17.6	1.0	<0.002	<0.01	0.70	0.3	2	<0.2	54.5	<0.05	<0.05	<0.2	<0.005	0.03	3.2
J980691		4.0	0.7	<0.002	<0.01	0.26	0.2	2	<0.2	61.2	<0.05	<0.05	<0.2	<0.005	0.02	2.9
J980692		4.8	1.1	<0.002	<0.01	0.26	0.3	2	<0.2	57.5	<0.05	<0.05	<0.2	<0.005	0.02	3.0
J980693		5.5	1.6	<0.002	<0.01	0.19	0.3	2	<0.2	59.4	<0.05	<0.05	0.2	0.006	0.02	3.1
J980694		5.1	1.6	<0.002	<0.01	0.17	0.3	2	<0.2	59.7	<0.05	<0.05	0.2	0.005	0.02	3.2
J980695		9.1	3.7	<0.002	0.01	0.52	0.5	2	0.2	66.7	<0.05	<0.05	0.4	0.009	0.04	3.2
J980696		9.0	1.7	<0.002	0.01	0.24	0.3	2	<0.2	69.7	<0.05	<0.05	0.2	0.006	0.02	2.2
J980697		>10000	266	0.017	>10.0	245	9.6	42	22.1	132.5	0.47	0.05	9.2	0.227	4.32	6.1
J980698		19.5	2.1	<0.002	0.02	1.14	0.4	2	<0.2	65.8	<0.05	<0.05	0.3	0.007	0.03	2.0
J980699		40.5	3.7	<0.002	0.01	0.97	0.6	2	0.6	66.7	<0.05	<0.05	0.4	0.016	0.07	2.0
J980700		20.9	6.8	<0.002	0.01	0.75	0.8	2	0.6	73.0	0.07	<0.05	0.9	0.030	0.09	1.5
J980701		64.0	4.5	<0.002	0.01	1.81	1.8	2	0.7	57.5	0.05	<0.05	0.5	0.018	0.13	1.4
J980702		1000	37.6	0.002	0.03	30.8	7.2	3	4.9	19.5	0.59	0.19	3.2	0.186	1.23	6.6
J980703		288	31.1	<0.002	0.02	13.65	4.0	3	10.7	47.1	0.13	0.50	2.1	0.052	0.41	2.9
J980704		3.2	2.0	<0.002	0.01	0.10	0.3	2	<0.2	47.3	<0.05	<0.05	<0.2	0.008	<0.02	0.5
J980705		109.0	0.5	<0.002	<0.01	0.95	0.7	2	1.0	56.3	<0.05	<0.05	0.2	<0.005	0.04	2.0
J980706		79.5	1.2	<0.002	<0.01	0.65	0.5	2	1.5	81.1	<0.05	<0.05	0.3	0.005	0.06	1.3
J980707		365	35.9	0.002	0.04	3.16	4.1	2	6.6	66.1	0.14	0.09	3.6	0.062	0.76	1.9
J980708		29.9	3.0	0.002	<0.01	0.49	0.5	2	0.8	78.4	<0.05	<0.05	0.4	0.010	0.06	1.5
J980709		132.5	152.0	0.005	0.05	4.94	16.8	3	8.3	12.3	0.22	0.07	16.4	0.168	1.50	2.7
J980710		12.3	120.0	0.003	0.07	3.15	15.5	2	5.6	30.8	0.57	<0.05	12.1	0.255	1.31	2.6
J980711		7.9	158.0	0.003	0.22	2.18	24.1	2	6.6	49.4	0.98	<0.05	21.7	0.388	1.19	4.5
J980712		9.9	167.5	0.003	0.13	2.22	19.4	1	5.5	43.0	0.59	0.05	18.4	0.282	1.06	2.5
J980713		60.8	79.1	<0.002	0.03	4.63	8.4	2	2.8	106.0	0.18	<0.05	8.9	0.095	1.14	6.0
J980714		12.6	820	<0.002	0.01	0.73	7.3	2	1.1	58.7	0.28	<0.05	1.3	0.251	6.18	0.6
J980715		7.4	15.1	<0.002	0.01	0.88	1.5	2	0.4	90.2	0.07	<0.05	1.6	0.028	0.13	2.3

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Finalized Date: 11- SEP- 2010
Account: RCM

Project: RAU (CHEETAH)

CERTIFICATE OF ANALYSIS VA10125455

Sample Description	Method / Analyte / Units / LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Ag- OG62 Ag ppm 1	Pb- OG62 Pb % 0.001	Zn- OG62 Zn % 0.001
J980644		15	0.2	1.1	42	4.6			
J980645		40	0.4	3.4	53	20.2			
J980646		36	0.7	2.7	65	11.3			
J980647		42	0.4	4.2	67	9.2			
J980648		5	0.1	0.9	19	0.5			
J980649		34	0.6	3.7	83	5.9			
J980686		20	0.9	1.4	93	1.0			
J980687		12	0.5	1.5	74	0.5			
J980688		15	1.0	1.5	114	1.5			
J980689		25	4.0	1.7	89	3.4			
J980690		19	0.8	1.4	90	1.3			
J980691		17	0.2	1.0	26	1.0			
J980692		19	0.3	1.1	32	1.2			
J980693		22	0.4	1.4	37	1.6			
J980694		20	0.3	1.4	32	1.6			
J980695		30	0.7	2.1	65	3.0			
J980696		22	0.4	1.6	39	1.8			
J980697		76	5.9	15.9	>10000	123.0	653	1.820	2.52
J980698		25	1.3	1.6	97	2.1			
J980699		26	2.3	2.1	101	4.1			
J980700		27	2.3	2.6	66	9.3			
J980701		25	4.7	7.7	185	6.5			
J980702		105	30.7	17.7	2290	38.1			
J980703		56	21.7	7.5	1180	25.5			
J980704		5	0.2	1.0	26	<0.5			
J980705		19	1.9	3.7	226	0.8			
J980706		22	0.7	2.4	232	2.1			
J980707		39	4.6	5.5	960	21.7			
J980708		28	1.1	2.1	96	2.9			
J980709		94	7.1	9.3	512	63.2			
J980710		93	4.5	9.0	78	93.3			
J980711		146	6.0	12.5	20	148.5			
J980712		98	4.8	8.8	37	94.3			
J980713		89	3.9	24.6	515	60.0			
J980714		54	0.3	11.3	29	52.2			
J980715		21	0.6	5.4	40	12.4			

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 11- SEP- 2010
Account: RCM

Project: RAU (CHEETAH)

CERTIFICATE OF ANALYSIS VA10125455

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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Finalized Date: 13- SEP- 2010
Account: RCM

CERTIFICATE VA10125456

Project: RAU(CHEETAH)

P.O. No.: BATCH 9

This report is for 14 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 3- SEP- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- 31	Fine crushing - 70% < 2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 13- SEP- 2010
Account: RCM

Project: RAU(CHEETAH)

CERTIFICATE OF ANALYSIS VA10125456

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
J980788		2.94	0.06	3.85	2.69	643	1180	1.00	60.3	10.80	7.36	52.4	15.8	54	2.96	51.7
J980789		3.80	<0.01	0.04	0.09	9	30	0.08	0.42	21.0	0.08	3.72	1.4	1	0.16	6.0
J980790		4.24	0.06	3.87	2.70	406	1500	0.99	28.8	15.70	9.57	45.8	11.2	41	2.18	33.2
J980791		4.92	0.04	4.20	3.57	527	1660	1.31	40.4	10.70	6.54	58.8	15.1	49	3.72	48.5
J980792		0.26	1.42	0.60	5.03	64.2	90	1.27	1.32	0.98	0.12	15.00	22.9	164	27.6	469
J980793		4.52	0.05	2.06	1.03	143	640	0.50	9.38	15.60	5.02	18.85	4.0	13	0.99	13.2
J980794		4.96	0.05	2.62	1.28	162	1210	0.54	9.25	16.50	6.30	19.55	5.2	16	1.02	15.5
J980795		5.58	0.02	0.37	0.20	27	180	0.11	0.76	17.90	0.89	4.92	1.2	2	0.08	2.1
J980796		3.04	<0.01	0.17	0.07	5	50	<0.05	0.09	15.90	0.34	5.08	0.9	1	<0.05	1.5
J980797		5.32	0.01	0.34	0.12	10	110	0.08	0.10	15.55	0.28	6.78	0.9	1	<0.05	1.8
J980798		4.14	0.01	0.34	0.31	19	410	0.17	0.57	19.95	1.66	6.47	1.6	4	0.14	1.9
J980799		2.00	0.01	0.36	0.35	27	460	0.21	0.94	20.1	1.78	8.31	1.6	4	0.16	2.3
J980800		5.10	<0.01	0.14	0.02	7	10	0.07	0.09	19.65	0.40	2.94	1.1	2	<0.05	0.9
J980801		5.32	<0.01	0.07	0.01	<5	<10	0.09	0.04	19.15	0.03	1.84	1.1	3	<0.05	1.6

***** See Appendix Page for comments regarding this certificate *****

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 13- SEP- 2010
Account: RCM

Project: RAU(CHEETAH)

CERTIFICATE OF ANALYSIS VA10125456

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
J980788		5.53	8.46	0.19	1.1	0.431	1.06	30.8	12.5	5.56	2870	2.41	0.04	9.9	57.2	1180
J980789		0.47	0.38	0.12	<0.1	0.006	0.03	2.3	1.3	13.30	206	0.47	<0.01	0.3	<0.2	250
J980790		3.83	7.86	0.14	1.0	0.241	1.13	26.9	10.9	5.23	1910	1.55	0.04	7.5	38.2	990
J980791		5.16	10.70	0.22	1.2	0.358	1.42	32.7	16.5	5.68	2550	2.17	0.06	10.8	57.1	1220
J980792		1.94	14.05	0.14	1.6	0.039	3.56	7.7	8.3	0.39	288	4.27	1.23	2.5	479	440
J980793		1.41	3.40	0.09	0.5	0.086	0.42	10.4	6.0	7.34	798	0.84	0.01	3.4	13.9	500
J980794		1.56	4.08	0.08	0.6	0.084	0.52	10.1	5.9	4.57	1460	1.15	0.06	3.0	19.3	500
J980795		0.26	0.74	0.15	0.1	0.009	0.08	2.6	3.4	11.20	176	0.29	<0.01	0.5	0.4	150
J980796		0.11	0.42	0.26	0.1	<0.005	0.02	2.4	2.4	10.50	130	0.11	<0.01	0.2	<0.2	190
J980797		0.14	0.55	0.28	0.1	<0.005	0.04	3.3	3.0	10.20	114	0.16	<0.01	0.3	<0.2	200
J980798		0.23	1.06	0.23	0.2	0.012	0.12	3.5	2.9	11.35	309	0.32	<0.01	0.7	0.9	360
J980799		0.29	1.15	0.24	0.2	0.018	0.14	4.9	3.2	11.35	291	0.34	<0.01	0.7	1.5	330
J980800		0.06	0.32	0.28	<0.1	<0.005	<0.01	2.0	1.7	12.35	130	0.14	<0.01	0.1	0.5	100
J980801		0.04	0.31	0.27	<0.1	<0.005	<0.01	1.2	1.7	12.35	108	0.09	<0.01	0.1	0.6	80

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 13- SEP- 2010
Account: RCM

Project: RAU(CHEETAH)

CERTIFICATE OF ANALYSIS VA10125456

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
J980788		1130	48.7	0.002	0.01	18.30	6.9	2	6.7	54.4	0.63	0.15	3.9	0.211	1.38	2.8
J980789		5.9	1.7	<0.002	<0.01	0.12	0.4	3	<0.2	52.7	<0.05	<0.05	0.2	<0.005	<0.02	1.0
J980790		740	47.7	0.002	<0.01	11.90	6.6	2	4.3	40.9	0.46	0.09	4.2	0.174	1.00	2.1
J980791		1130	65.7	0.002	<0.01	16.75	8.1	2	6.1	46.0	0.66	0.14	5.4	0.216	1.46	2.9
J980792		169.5	960	<0.002	0.30	2.38	3.4	2	2.7	50.7	1.92	0.17	2.0	0.083	7.44	0.7
J980793		351	20.4	<0.002	<0.01	4.87	2.3	3	1.6	45.6	0.21	0.06	2.0	0.069	0.41	1.1
J980794		391	22.1	<0.002	<0.01	6.81	2.5	2	1.8	25.9	0.17	0.06	2.2	0.064	0.60	1.3
J980795		47.1	3.4	<0.002	<0.01	0.75	0.5	3	0.2	45.3	<0.05	<0.05	0.6	0.010	0.06	0.4
J980796		37.1	1.1	<0.002	<0.01	0.43	0.3	3	0.2	41.8	<0.05	<0.05	0.4	0.005	0.03	0.3
J980797		27.4	1.9	<0.002	<0.01	0.64	0.3	3	0.2	43.7	<0.05	<0.05	0.5	0.006	0.04	0.3
J980798		68.1	5.3	<0.002	<0.01	0.95	0.7	2	0.5	45.4	0.05	<0.05	0.7	0.015	0.11	0.5
J980799		75.1	6.1	<0.002	<0.01	1.05	0.7	3	0.5	49.0	0.05	<0.05	0.8	0.016	0.12	0.6
J980800		11.8	0.1	<0.002	<0.01	0.34	0.1	3	<0.2	43.2	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
J980801		2.4	0.1	<0.002	<0.01	0.23	0.1	2	<0.2	47.2	<0.05	<0.05	<0.2	<0.005	<0.02	0.7

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VANCOUVER BC V6B 1L8

Finalized Date: 13- SEP- 2010
Account: RCM

Project: RAU(CHEETAH)

CERTIFICATE OF ANALYSIS VA10125456

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5
J980788		77	22.4	14.2	2040	41.7
J980789		2	0.2	1.0	27	0.6
J980790		66	15.1	12.3	1650	38.4
J980791		81	20.8	14.4	2210	45.8
J980792		20	7.4	3.3	138	66.6
J980793		26	5.9	6.0	741	18.6
J980794		40	7.6	5.5	1040	22.6
J980795		5	0.8	3.0	117	3.8
J980796		1	0.3	3.0	43	2.2
J980797		2	0.3	3.6	55	3.4
J980798		6	0.9	2.3	212	6.2
J980799		7	1.1	2.5	193	6.7
J980800		3	0.3	0.5	45	<0.5
J980801		4	0.1	0.5	10	<0.5

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Finalized Date: 13- SEP- 2010
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CERTIFICATE OF ANALYSIS VA10125456

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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Finalized Date: 11- SEP- 2010
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CERTIFICATE VA10125457

Project: RAU(CHEETAH)

P.O. No.: BATCH 7

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 3- SEP- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% < 2mm
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- QC	Crushing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Account: RCM

Project: RAU(CHEETAH)

CERTIFICATE OF ANALYSIS VA10125457

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
J980716		2.62	<0.01	0.05	0.50	13	140	0.28	0.33	14.65	0.08	11.15	1.8	6	0.28	4.8
J980717		5.26	<0.01	0.09	0.39	9	120	0.22	0.38	17.95	0.09	7.59	1.6	4	0.27	3.2
J980718		5.64	<0.01	0.11	0.62	17	200	0.34	0.39	18.60	0.07	8.30	1.7	4	0.34	3.0
J980719		5.50	<0.01	0.04	0.71	13	320	0.40	0.53	17.10	0.04	8.45	1.7	5	0.38	2.5
J980720		5.46	<0.01	0.02	0.47	5	270	0.34	0.38	16.35	0.03	6.06	1.4	4	0.28	1.6
J980721		5.34	<0.01	0.06	0.22	15	160	0.18	0.12	19.25	0.06	4.49	1.6	2	0.15	1.7
J980722		2.52	<0.01	0.04	0.18	16	130	0.14	0.10	19.05	0.07	5.71	1.6	2	0.11	1.7
J980723		5.40	0.01	0.06	0.28	8	160	0.25	0.32	19.25	0.08	5.34	2.1	2	0.19	2.1
J980724		5.28	<0.01	0.04	0.58	10	260	0.34	0.30	17.50	0.04	6.32	1.3	5	0.39	1.6
J980725		5.44	<0.01	0.02	0.38	16	170	0.26	0.20	20.7	0.05	7.61	1.4	4	0.28	1.2
J980726		5.36	0.01	0.05	0.70	13	340	0.43	0.17	18.65	0.06	9.60	1.1	8	0.40	1.2
J980727		5.40	<0.01	0.04	0.50	11	220	0.26	1.02	18.00	0.06	7.45	1.4	7	0.29	2.0
J980728		5.14	0.01	0.06	0.71	99	340	0.42	1.12	20.2	0.05	15.15	1.7	7	0.43	2.5
J980729		5.32	0.02	0.15	1.47	89	500	0.71	1.85	16.45	0.37	25.1	3.2	10	1.10	5.6
J980730		3.70	<0.01	0.01	0.07	<5	30	0.05	0.07	21.1	0.06	3.15	1.3	1	0.20	3.5
J980731		3.72	0.03	0.50	6.08	74.3	1640	2.29	1.27	0.62	1.19	68.3	6.5	49	2.66	16.4
J980732		1.34	0.01	0.73	3.98	63.4	890	0.85	1.81	4.69	1.90	30.7	5.8	37	1.20	14.3
J980733		3.72	<0.01	0.01	0.08	<5	30	0.07	0.02	22.3	0.05	1.15	0.9	2	0.13	1.6
J980734		4.56	<0.01	0.49	0.67	32	290	0.30	1.10	17.20	0.42	11.20	2.1	7	0.38	5.4
J980735		1.86	0.01	0.25	0.66	11	220	0.35	0.16	19.40	0.73	8.56	1.6	5	0.41	3.3
J980736		5.50	<0.01	0.07	0.35	<5	220	0.20	0.04	21.2	0.29	4.35	1.3	4	0.21	2.4
J980737		5.40	<0.01	0.07	0.28	6	150	0.15	0.09	21.4	0.17	3.18	1.3	4	0.17	2.7
J980738		5.30	<0.01	0.07	0.45	<5	160	0.24	0.07	20.1	0.05	5.74	1.4	4	0.27	2.8
J980739		4.92	0.02	0.27	0.06	32	60	0.16	0.68	22.9	0.31	2.92	1.5	6	0.10	5.0
J980740		4.96	<0.01	0.12	0.08	8	60	0.10	0.18	22.1	0.16	2.03	0.9	9	0.11	3.4
J980741		5.24	<0.01	0.16	0.15	14	110	0.16	0.39	22.3	0.14	3.37	1.0	13	0.16	3.4
J980742		6.06	0.01	0.19	0.23	36	140	0.21	1.12	23.4	0.31	4.66	1.3	13	0.10	4.7
J980743		3.72	<0.01	0.14	0.09	15	60	0.12	0.27	20.9	0.12	2.83	1.1	9	0.14	4.1
J980744		4.44	0.01	0.31	0.08	61	60	0.16	0.77	23.0	0.29	3.52	1.4	5	0.08	3.7
J980745		4.82	0.02	0.24	0.10	30	50	0.11	0.91	22.2	0.18	4.12	1.4	5	0.06	8.0
J980746		0.26	1.92	1.81	6.89	2080	390	1.34	2.98	2.23	1.09	35.6	53.0	639	5.09	1185
J980747		4.80	<0.01	0.09	0.13	7	50	0.08	0.06	22.4	0.11	4.50	1.0	5	0.06	3.8
J980748		3.98	<0.01	0.08	0.13	11	60	0.09	0.10	22.0	0.09	4.34	1.1	5	0.08	4.5
J980749		3.14	<0.01	0.06	0.13	6	60	0.11	0.18	22.2	0.08	4.33	1.2	4	0.07	2.9
J980750		0.26	0.39	7.64	5.56	0.4	90	1.09	1.37	1.52	0.02	20.7	9.5	34	22.4	13.9
J980751		3.14	<0.01	0.10	0.07	39	50	0.09	0.22	22.6	0.16	4.43	1.0	4	0.13	2.4

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 11- SEP- 2010
Account: RCM

Project: RAU(CHEETAH)

CERTIFICATE OF ANALYSIS VA10125457

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
J980716		0.40	1.52	0.16	0.3	0.006	0.23	5.4	4.2	9.33	477	0.37	<0.01	0.8	2.8	800
J980717		0.32	1.28	0.19	0.2	0.006	0.17	3.9	4.3	11.20	354	0.27	<0.01	0.6	1.8	440
J980718		0.39	1.67	0.17	0.3	0.008	0.28	4.4	4.3	11.55	242	0.43	0.01	0.8	2.5	220
J980719		0.46	2.09	0.16	0.3	0.011	0.32	4.5	5.3	10.60	340	0.60	0.01	0.9	3.1	780
J980720		0.45	1.79	0.15	0.2	0.015	0.21	3.2	4.7	9.90	506	0.48	<0.01	0.6	1.5	670
J980721		0.45	1.05	0.18	0.1	0.029	0.09	2.3	3.5	10.75	770	0.26	<0.01	0.4	1.2	350
J980722		0.49	0.88	0.15	0.1	0.033	0.07	3.2	3.0	10.50	828	0.22	<0.01	0.3	1.4	330
J980723		0.23	1.13	0.25	0.1	0.006	0.12	3.2	4.2	12.15	471	0.19	<0.01	0.4	1.3	200
J980724		0.44	2.03	0.15	0.3	0.014	0.26	3.6	5.4	10.75	448	0.36	<0.01	0.7	1.6	150
J980725		0.68	1.50	0.14	0.2	0.042	0.17	4.0	4.6	12.00	779	0.48	<0.01	0.7	0.9	210
J980726		0.71	2.79	0.14	0.3	0.039	0.32	4.4	5.5	10.85	912	0.51	0.01	0.9	0.6	1870
J980727		0.77	1.88	0.11	0.2	0.033	0.23	3.5	5.3	10.50	894	0.53	<0.01	0.6	2.8	900
J980728		0.95	2.67	0.12	0.3	0.037	0.33	8.4	8.2	11.15	709	0.87	0.01	0.9	2.8	320
J980729		1.10	4.04	0.14	0.7	0.019	0.71	13.2	8.3	9.71	401	1.06	0.01	1.7	6.3	400
J980730		0.42	0.36	0.19	<0.1	<0.005	0.02	1.7	0.9	13.35	193	0.05	<0.01	0.3	0.2	200
J980731		3.37	17.35	0.13	1.8	0.066	3.10	33.5	10.3	0.60	170	1.20	0.05	4.9	20.5	340
J980732		2.46	10.10	0.07	1.0	0.047	1.20	14.3	9.9	1.32	442	1.03	0.70	3.1	15.3	660
J980733		0.47	0.22	0.07	<0.1	<0.005	0.04	0.5	1.0	14.00	198	0.09	<0.01	0.2	<0.2	220
J980734		0.62	1.78	<0.05	0.3	0.015	0.33	4.9	4.6	10.20	444	0.63	0.01	1.1	1.7	400
J980735		0.44	1.75	0.08	0.3	0.005	0.34	3.9	6.0	12.00	256	0.22	0.01	1.2	<0.2	260
J980736		0.23	0.95	0.10	0.1	<0.005	0.17	2.2	4.5	13.10	182	0.25	<0.01	0.6	<0.2	210
J980737		0.19	0.87	0.17	0.1	<0.005	0.13	1.6	4.0	13.40	138	0.25	<0.01	0.5	<0.2	170
J980738		0.29	1.31	0.12	0.2	<0.005	0.23	2.8	5.7	12.50	139	0.53	<0.01	0.7	1.4	200
J980739		0.29	0.57	0.16	<0.1	0.020	0.02	1.8	2.3	12.90	448	0.42	<0.01	0.2	1.6	90
J980740		0.10	0.49	0.16	<0.1	0.012	0.03	1.2	3.2	13.25	222	0.14	<0.01	0.2	<0.2	60
J980741		0.16	0.81	0.19	0.1	0.019	0.06	2.0	4.8	13.60	299	0.23	<0.01	0.4	<0.2	70
J980742		0.41	0.99	0.15	0.1	0.021	0.09	2.7	4.6	12.85	363	0.86	<0.01	0.5	2.6	90
J980743		0.16	0.49	0.20	<0.1	0.011	0.04	1.7	4.0	12.55	306	0.23	<0.01	0.3	0.3	50
J980744		0.46	0.44	0.16	<0.1	0.008	0.03	2.3	3.4	12.70	353	0.60	<0.01	0.2	2.0	70
J980745		0.31	0.47	0.19	<0.1	<0.005	0.04	2.5	2.5	12.60	170	0.39	<0.01	0.3	1.8	80
J980746		9.06	17.95	0.22	7.1	0.135	1.48	17.3	27.4	2.57	835	6.77	0.88	3.3	536	410
J980747		0.12	0.40	0.12	0.1	<0.005	0.06	2.7	2.4	13.85	123	0.17	<0.01	0.3	<0.2	70
J980748		0.12	0.48	0.15	0.1	0.006	0.06	2.6	2.6	13.45	132	0.17	<0.01	0.3	<0.2	80
J980749		0.12	0.51	0.20	0.1	<0.005	0.06	2.7	2.9	13.80	132	0.17	<0.01	0.3	<0.2	80
J980750		2.23	17.10	0.14	1.5	0.023	3.79	11.3	8.8	0.69	310	10.45	1.33	2.6	9.0	490
J980751		0.33	0.39	0.11	<0.1	0.016	0.03	2.7	3.1	13.60	373	0.19	<0.01	0.3	<0.2	70

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 11- SEP- 2010
Account: RCM

Project: RAU(CHEETAH)

CERTIFICATE OF ANALYSIS VA10125457

Sample Description	Method Analyte Units LOR	ME- MS61 Pb ppm 0.5	ME- MS61 Rb ppm 0.1	ME- MS61 Re ppm 0.002	ME- MS61 S % 0.01	ME- MS61 Sb ppm 0.05	ME- MS61 Sc ppm 0.1	ME- MS61 Se ppm 1	ME- MS61 Sn ppm 0.2	ME- MS61 Sr ppm 0.2	ME- MS61 Ta ppm 0.05	ME- MS61 Te ppm 0.05	ME- MS61 Th ppm 0.2	ME- MS61 Ti % 0.005	ME- MS61 Tl ppm 0.02	ME- MS61 U ppm 0.1
J980716		4.0	10.6	<0.002	0.01	0.83	1.2	3	0.3	72.5	0.05	<0.05	1.3	0.023	0.11	1.9
J980717		4.5	8.4	<0.002	0.03	0.37	0.8	3	0.2	81.6	<0.05	<0.05	1.0	0.016	0.14	1.1
J980718		3.8	13.3	<0.002	0.02	0.58	1.3	3	0.3	93.9	0.06	<0.05	1.3	0.024	0.15	0.7
J980719		4.1	15.0	<0.002	0.02	0.63	1.3	3	0.3	89.2	0.06	<0.05	1.5	0.027	0.19	1.8
J980720		3.1	10.1	<0.002	0.01	0.32	0.9	3	0.3	84.1	<0.05	<0.05	1.0	0.017	0.11	1.5
J980721		3.1	4.8	<0.002	<0.01	0.42	0.7	3	0.2	75.9	<0.05	<0.05	0.5	0.008	0.06	1.3
J980722		3.1	3.6	<0.002	0.01	0.37	0.8	2	<0.2	76.1	<0.05	<0.05	0.5	0.006	0.04	1.4
J980723		3.7	6.3	<0.002	0.02	0.39	0.5	2	0.2	74.8	<0.05	<0.05	0.7	0.010	0.09	1.5
J980724		2.6	12.2	<0.002	0.02	0.41	1.0	2	0.3	81.5	0.05	<0.05	1.2	0.022	0.13	0.7
J980725		3.3	8.8	<0.002	0.02	0.35	1.1	2	0.3	104.5	0.05	<0.05	0.9	0.016	0.10	0.8
J980726		5.2	15.4	<0.002	0.03	0.37	1.3	2	0.5	110.5	0.06	<0.05	1.5	0.026	0.16	1.1
J980727		6.8	10.3	<0.002	0.03	0.50	1.1	2	0.3	92.4	<0.05	<0.05	1.1	0.017	0.46	1.2
J980728		9.3	15.4	<0.002	0.04	0.64	1.4	2	0.4	93.5	0.06	<0.05	1.2	0.025	0.19	1.0
J980729		17.3	34.8	<0.002	0.03	2.18	2.8	3	0.8	98.1	0.13	<0.05	3.4	0.050	0.31	1.6
J980730		1.4	1.5	<0.002	<0.01	0.07	0.3	2	<0.2	50.1	<0.05	<0.05	0.4	<0.005	<0.02	0.8
J980731		102.5	104.0	<0.002	0.01	2.90	11.5	1	2.6	12.1	0.32	<0.05	10.9	0.188	0.83	1.9
J980732		72.5	39.8	<0.002	0.06	2.40	7.0	1	1.4	115.0	0.20	<0.05	3.7	0.164	0.38	1.0
J980733		1.3	1.1	<0.002	0.01	<0.05	0.2	2	<0.2	44.3	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
J980734		47.6	10.9	<0.002	0.01	1.86	1.3	2	0.5	90.4	0.07	0.05	1.4	0.032	0.11	1.0
J980735		32.2	11.3	<0.002	0.03	0.56	1.2	2	0.3	80.0	0.07	0.08	1.1	0.032	0.12	0.4
J980736		16.4	5.7	<0.002	0.02	0.84	0.7	2	0.2	71.2	<0.05	<0.05	0.6	0.014	0.08	0.4
J980737		12.1	4.5	<0.002	0.01	0.38	0.6	2	0.2	63.2	<0.05	<0.05	0.4	0.012	0.07	0.4
J980738		4.5	7.6	<0.002	0.02	0.71	0.9	2	0.2	70.3	<0.05	0.07	0.8	0.019	0.10	0.6
J980739		18.7	1.0	<0.002	0.01	1.31	0.2	2	0.6	64.1	<0.05	<0.05	<0.2	<0.005	0.04	3.0
J980740		9.7	1.3	<0.002	<0.01	0.33	0.3	2	0.5	57.0	<0.05	<0.05	<0.2	<0.005	0.02	3.2
J980741		8.0	2.5	<0.002	<0.01	0.39	0.4	2	0.6	70.3	<0.05	<0.05	0.3	0.008	0.04	3.0
J980742		13.5	3.3	<0.002	<0.01	1.37	0.5	2	0.4	69.1	<0.05	<0.05	0.4	0.010	0.05	3.1
J980743		8.7	1.6	<0.002	<0.01	0.43	0.3	2	0.4	61.3	<0.05	<0.05	0.2	0.005	0.03	1.8
J980744		15.3	1.4	<0.002	<0.01	1.19	0.3	2	0.4	61.6	<0.05	<0.05	0.2	<0.005	0.03	1.5
J980745		15.1	1.4	<0.002	0.01	1.15	0.3	2	<0.2	61.4	<0.05	<0.05	0.2	0.005	0.03	1.5
J980746		252	71.3	0.003	1.61	205	22.5	3	3.1	141.0	0.33	1.69	5.0	0.224	0.95	1.7
J980747		6.5	1.9	<0.002	<0.01	0.37	0.3	2	<0.2	68.0	<0.05	<0.05	0.2	0.006	0.03	1.3
J980748		5.4	2.1	<0.002	<0.01	0.38	0.3	2	0.5	62.9	<0.05	<0.05	0.2	0.005	0.03	1.7
J980749		3.6	2.1	<0.002	<0.01	0.21	0.3	2	0.3	67.1	<0.05	<0.05	0.2	0.005	0.02	1.5
J980750		13.2	870	<0.002	0.01	0.77	7.3	2	1.2	66.6	0.20	<0.05	1.2	0.271	6.61	0.7
J980751		7.7	1.7	<0.002	<0.01	0.27	0.2	2	0.4	58.2	<0.05	<0.05	<0.2	<0.005	0.04	1.9

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Finalized Date: 11- SEP- 2010
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CERTIFICATE OF ANALYSIS VA10125457

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5
J980716		24	0.5	5.4	10	9.8
J980717		20	0.4	3.2	27	7.1
J980718		16	0.4	3.1	47	9.4
J980719		20	0.7	3.3	17	11.9
J980720		16	0.7	2.8	10	8.1
J980721		24	0.4	2.4	33	4.2
J980722		26	0.3	2.4	35	3.1
J980723		16	0.4	2.0	25	4.6
J980724		14	0.7	2.3	17	9.7
J980725		19	0.7	3.4	18	8.7
J980726		29	1.1	4.0	36	12.2
J980727		23	0.8	3.8	23	8.4
J980728		30	1.2	5.2	11	12.0
J980729		33	1.5	7.0	99	23.1
J980730		1	0.1	1.0	16	0.7
J980731		65	3.3	9.1	350	65.5
J980732		62	3.4	9.9	310	32.3
J980733		5	0.1	0.8	19	<0.5
J980734		21	2.0	3.4	143	9.2
J980735		12	0.5	2.3	96	8.1
J980736		8	0.3	1.9	70	4.9
J980737		11	0.2	1.9	58	4.1
J980738		10	0.2	2.6	22	6.9
J980739		26	1.5	1.3	169	1.3
J980740		24	0.3	1.2	58	1.3
J980741		28	0.7	1.8	63	2.8
J980742		42	3.0	2.3	171	4.6
J980743		23	0.6	1.4	60	1.7
J980744		22	1.7	1.6	178	1.6
J980745		25	1.0	1.6	155	1.9
J980746		161	40.9	14.4	399	287
J980747		17	0.2	1.4	30	2.0
J980748		20	0.2	1.4	27	1.9
J980749		16	0.2	1.3	20	1.9
J980750		56	0.4	12.4	30	60.0
J980751		15	0.4	1.3	42	1.2

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CERTIFICATE OF ANALYSIS VA10125457

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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Project: RAU(CHEETAH)

P.O. No.: BATCH 8

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 3- SEP- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- 31	Fine crushing - 70% < 2mm
CRU- QC	Crushing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 11- SEP- 2010
Account: RCM

Project: RAU(CHEETAH)

CERTIFICATE OF ANALYSIS VA10125458

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
J980752		4.06	0.01	0.30	0.13	128	70	0.10	1.42	21.4	0.17	3.98	1.6	4	0.17	3.7
J980753		3.56	0.01	0.34	0.06	67	50	0.07	0.31	22.1	0.11	3.16	1.1	4	0.08	2.5
J980754		4.68	0.01	0.05	1.16	22	710	0.50	1.19	20.3	0.07	12.05	2.0	11	0.39	4.2
J980755		3.72	<0.01	0.01	0.08	<5	30	0.07	0.05	22.5	0.06	1.45	1.2	2	0.15	3.4
J980756		3.36	0.02	0.22	9.21	141.5	1960	2.87	1.31	1.73	0.13	105.5	17.1	70	3.92	17.9
J980757		1.70	<0.01	0.07	9.35	77.4	1630	2.76	0.12	1.46	<0.02	101.0	15.1	77	4.66	25.9
J980758		4.16	<0.01	0.04	9.70	67.8	1150	2.82	0.50	1.45	<0.02	116.0	23.5	82	4.85	44.1
J980759		2.42	<0.01	0.01	10.15	76.7	1050	2.82	0.19	0.25	<0.02	119.5	29.9	90	5.35	61.1
J980760		4.28	<0.01	0.04	9.73	60.8	940	3.07	0.73	0.12	<0.02	105.5	23.6	77	5.82	54.0
J980761		3.00	<0.01	0.04	8.83	57.2	930	2.92	0.51	0.23	<0.02	83.7	22.2	83	5.24	48.9
J980762		2.30	0.01	0.15	9.59	50.3	900	2.94	0.50	0.08	0.04	98.8	33.3	78	5.89	32.3
J980763		3.16	<0.01	0.20	8.53	49.1	900	2.43	0.43	0.52	<0.02	93.1	17.1	69	5.79	24.1
J980764		1.22	<0.01	0.11	6.88	19.1	920	2.20	0.37	0.03	<0.02	90.6	1.6	60	5.30	5.7
J980765		3.90	<0.01	0.05	3.04	16.5	480	0.85	0.18	0.49	<0.02	50.2	1.9	32	2.47	6.8
J980766		2.16	<0.01	0.12	2.89	18	410	0.84	0.16	14.80	0.06	25.6	8.0	17	1.39	11.0
J980767		3.24	<0.01	0.08	0.98	9	240	0.44	0.05	14.55	0.05	13.80	2.3	8	0.46	6.7
J980768		4.08	<0.01	0.04	0.61	<5	220	0.26	0.04	15.70	0.05	8.00	1.9	6	0.27	3.9
J980769		2.50	<0.01	0.04	0.50	10	180	0.25	0.03	20.0	0.02	5.43	1.5	2	0.26	3.8
J980770		3.86	<0.01	0.04	0.43	5	140	0.16	0.04	14.55	0.03	6.75	1.4	7	0.22	3.3
J980771		5.06	<0.01	0.05	0.78	10	340	0.31	0.05	15.75	0.04	10.05	1.9	7	0.35	5.1
J980772		0.26	0.38	7.28	5.41	1.3	60	1.10	1.20	1.46	<0.02	18.40	8.9	31	19.40	12.1
J980773		5.22	<0.01	0.06	0.42	9	120	0.18	0.10	15.55	0.07	5.61	1.3	6	0.31	3.4
J980774		4.40	<0.01	0.07	0.55	12	150	0.25	0.03	16.45	0.13	5.91	1.3	4	0.41	3.8
J980775		3.46	<0.01	0.16	0.13	6	50	0.12	0.25	16.55	0.22	2.51	1.8	4	0.09	2.9
J980776		1.86	0.01	3.89	0.74	168	690	0.35	5.86	16.85	7.99	10.05	3.5	7	0.77	11.8
J980777		4.48	0.02	2.62	2.35	313	820	0.86	23.9	12.35	4.45	32.4	14.0	30	2.34	32.1
J980778		4.04	0.03	3.27	3.33	525	1240	1.41	41.0	1.45	6.28	54.2	17.2	58	4.40	56.0
J980779		4.04	<0.01	0.02	0.09	5	10	0.11	0.17	21.8	0.09	1.81	1.3	<1	0.18	1.8
J980780		4.16	0.07	4.58	1.80	764	1310	0.87	27.2	14.15	6.91	31.3	10.3	22	2.10	31.3
J980781		3.86	0.12	8.82	0.88	740	1390	0.56	22.8	23.0	8.46	17.85	4.2	10	0.94	16.2
J980782		3.34	0.25	16.70	2.77	5910	1870	1.27	542	5.08	39.2	60.9	12.2	31	2.63	72.5
J980783		0.26	2.93	1.94	6.76	2040	350	1.27	3.39	2.14	1.19	35.8	55.5	621	4.88	1165
J980784		5.36	0.11	5.56	1.79	811	760	0.84	39.7	20.5	10.85	33.9	10.9	23	1.96	41.6
J980785		2.70	0.06	4.39	3.52	830	1410	1.46	53.5	9.70	7.69	60.4	18.6	55	3.88	61.9
J980786		3.00	0.01	0.56	0.23	65	200	0.23	1.20	21.3	2.68	3.22	1.1	2	0.13	2.4
J980787		4.62	0.02	0.66	0.30	50	350	0.15	1.17	21.7	1.66	3.42	1.2	2	0.12	2.2

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Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
J980752		0.72	0.47	0.11	0.1	0.017	0.05	2.3	2.9	12.80	316	0.36	<0.01	0.4	2.3	130
J980753		0.40	0.33	0.13	<0.1	0.011	0.03	1.9	3.1	13.55	246	0.27	<0.01	0.2	<0.2	140
J980754		0.92	3.54	0.07	0.4	0.017	0.57	6.1	6.4	11.85	597	1.94	0.02	1.8	3.1	630
J980755		0.47	0.31	0.10	<0.1	<0.005	0.04	0.7	1.1	13.85	203	0.12	<0.01	0.3	<0.2	210
J980756		6.93	24.8	0.26	2.1	0.085	4.53	53.4	10.4	1.10	311	0.72	0.09	6.0	46.7	360
J980757		4.24	26.2	0.24	2.4	0.083	5.05	51.6	10.9	1.18	276	0.49	0.08	9.0	32.0	410
J980758		3.93	27.4	0.23	3.3	0.094	5.03	55.8	7.6	0.50	553	0.38	0.07	9.6	45.7	860
J980759		4.57	28.8	0.26	3.2	0.104	4.99	57.2	7.8	0.52	641	0.28	0.07	10.2	48.7	600
J980760		4.10	27.1	0.24	2.8	0.096	5.11	50.6	8.8	0.55	166	0.27	0.06	9.7	42.6	770
J980761		4.00	26.6	0.22	2.9	0.093	4.86	37.6	8.0	0.49	316	0.36	0.07	9.9	41.8	920
J980762		4.71	25.5	0.26	2.8	0.089	4.94	50.5	9.3	0.61	768	0.33	0.06	10.2	51.1	550
J980763		4.25	22.9	0.24	3.3	0.080	4.38	47.6	8.1	0.70	425	0.30	0.06	6.5	33.5	390
J980764		2.44	19.50	0.20	2.6	0.059	3.70	45.0	7.8	0.48	28	0.42	0.05	8.9	3.3	330
J980765		2.21	8.53	0.15	1.3	0.032	1.59	24.1	3.9	0.39	78	0.50	0.02	4.1	4.9	1290
J980766		1.77	6.65	0.10	1.2	0.025	1.45	12.8	4.8	8.78	1160	0.38	0.02	3.1	12.7	510
J980767		0.66	2.80	0.07	0.5	0.008	0.47	6.6	5.1	8.85	637	0.55	0.01	1.4	<0.2	2560
J980768		0.34	1.81	0.11	0.3	<0.005	0.28	3.7	4.1	9.45	275	0.43	<0.01	0.9	<0.2	560
J980769		0.34	1.51	0.17	0.2	0.005	0.22	2.7	5.5	12.65	147	0.31	<0.01	0.7	<0.2	240
J980770		0.29	1.38	0.13	0.2	<0.005	0.19	3.2	4.2	9.34	169	0.37	<0.01	0.7	<0.2	520
J980771		0.47	2.36	0.13	0.4	0.007	0.36	5.0	5.3	9.97	182	0.35	0.01	1.2	<0.2	790
J980772		2.23	17.10	0.13	1.6	0.010	3.51	10.2	9.6	0.69	318	10.25	1.30	2.5	7.8	480
J980773		0.27	1.29	0.10	0.2	<0.005	0.19	2.8	3.5	9.90	165	0.48	<0.01	0.6	<0.2	660
J980774		0.30	1.70	0.13	0.2	0.009	0.24	3.0	3.7	10.45	179	0.45	<0.01	0.8	<0.2	290
J980775		0.20	0.68	0.19	0.1	0.052	0.05	1.3	2.4	10.65	644	0.27	<0.01	0.3	<0.2	240
J980776		2.19	3.67	0.08	0.3	1.245	0.29	6.5	4.3	7.47	9080	1.15	0.01	1.6	11.3	520
J980777		3.36	7.18	0.12	0.9	0.295	0.88	18.1	11.5	7.08	2300	1.74	0.03	6.9	37.7	1090
J980778		5.60	10.95	0.18	1.2	0.446	1.26	30.0	16.3	0.73	3010	2.42	0.03	12.1	67.4	1590
J980779		0.47	0.35	0.09	<0.1	0.006	0.04	0.9	1.6	13.80	216	0.09	<0.01	0.3	<0.2	390
J980780		5.49	7.26	0.15	0.6	2.87	0.70	18.5	8.5	5.49	10850	3.29	0.04	5.9	33.4	940
J980781		5.15	6.00	0.13	0.4	5.51	0.33	9.8	3.9	4.10	17550	3.41	0.03	2.2	13.2	410
J980782		35.1	18.00	0.55	1.3	4.80	0.87	40.2	9.6	0.76	19750	14.35	0.08	5.6	58.9	2520
J980783		8.77	19.50	0.21	7.5	0.142	1.37	17.3	25.0	2.51	913	7.27	0.89	3.4	529	400
J980784		5.39	6.58	0.14	0.9	0.354	0.69	19.1	9.5	4.60	2520	2.46	0.02	7.3	35.4	1100
J980785		6.83	11.80	0.20	1.3	0.443	1.38	32.5	17.9	4.40	3360	2.65	0.05	15.3	64.1	1460
J980786		0.34	0.96	0.10	0.1	0.013	0.09	1.6	4.3	11.60	358	0.19	<0.01	0.5	<0.2	530
J980787		0.35	1.34	0.14	0.1	0.016	0.12	1.7	3.0	11.25	316	0.33	<0.01	0.5	<0.2	170

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Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
J980752		17.3	2.1	<0.002	<0.01	0.66	0.3	2	0.4	54.3	<0.05	<0.05	0.2	0.008	0.06	2.1
J980753		7.7	1.0	<0.002	<0.01	0.35	0.2	2	<0.2	53.5	<0.05	<0.05	<0.2	<0.005	0.03	1.4
J980754		6.5	17.1	<0.002	0.01	0.67	1.8	2	0.5	116.5	0.11	<0.05	1.8	0.049	0.20	1.5
J980755		1.8	1.6	<0.002	0.01	<0.05	0.3	2	<0.2	52.8	<0.05	<0.05	<0.2	<0.005	<0.02	0.9
J980756		5.3	154.5	<0.002	0.01	1.29	16.5	2	2.9	33.7	0.31	<0.05	15.3	0.174	1.00	3.4
J980757		2.2	172.5	0.002	<0.01	1.45	17.7	2	3.1	31.8	0.52	<0.05	14.8	0.263	1.03	2.5
J980758		2.4	131.5	<0.002	<0.01	1.94	18.8	2	3.1	36.1	0.60	<0.05	16.7	0.300	0.84	3.7
J980759		1.5	136.0	<0.002	<0.01	1.91	20.7	2	3.3	34.3	0.63	<0.05	17.5	0.338	0.81	3.8
J980760		3.9	162.5	<0.002	0.02	2.71	18.7	2	3.1	38.4	0.58	<0.05	16.0	0.300	0.84	2.6
J980761		3.0	117.5	<0.002	0.02	2.44	17.5	2	3.1	38.8	0.59	<0.05	13.0	0.307	0.83	2.9
J980762		11.5	153.5	<0.002	0.07	4.93	17.8	2	3.1	44.3	0.62	<0.05	15.2	0.322	0.79	2.7
J980763		20.7	149.5	<0.002	0.08	7.37	16.4	2	2.8	39.4	0.39	<0.05	14.7	0.236	0.82	3.6
J980764		13.8	139.5	<0.002	0.12	6.42	12.6	2	2.6	33.1	0.55	<0.05	12.8	0.286	0.70	1.6
J980765		6.6	65.9	<0.002	0.21	1.89	6.3	2	1.2	34.9	0.26	<0.05	7.2	0.126	0.37	1.3
J980766		5.4	50.3	<0.002	<0.01	3.11	4.6	2	0.9	102.0	0.20	<0.05	4.3	0.095	0.33	2.3
J980767		5.9	17.1	<0.002	0.02	1.13	2.3	2	0.3	74.7	0.09	<0.05	1.9	0.039	0.14	2.7
J980768		5.3	11.0	<0.002	0.01	0.75	1.4	3	0.2	72.5	0.05	<0.05	1.3	0.024	0.12	1.1
J980769		6.1	8.8	<0.002	0.03	1.00	1.2	3	0.2	83.1	0.05	<0.05	0.9	0.019	0.15	0.6
J980770		5.1	7.6	<0.002	0.02	0.68	1.0	2	0.2	60.3	<0.05	<0.05	0.9	0.018	0.12	0.9
J980771		5.7	14.0	<0.002	0.02	0.89	1.8	2	0.3	60.3	0.07	<0.05	1.6	0.031	0.19	1.7
J980772		13.0	820	<0.002	<0.01	0.77	8.4	2	4.2	59.4	0.22	<0.05	1.3	0.250	6.42	0.6
J980773		7.6	8.7	<0.002	0.02	1.16	1.0	2	0.2	60.1	<0.05	<0.05	0.8	0.017	0.13	1.9
J980774		8.4	10.4	<0.002	0.01	0.57	1.3	2	0.3	60.5	0.05	<0.05	0.9	0.020	0.17	0.8
J980775		11.1	2.4	<0.002	<0.01	0.36	0.4	2	0.3	54.3	<0.05	<0.05	0.3	0.005	0.07	1.0
J980776		335	13.3	<0.002	0.01	4.09	2.0	1	5.8	52.8	0.09	0.05	1.0	0.037	0.72	1.8
J980777		535	35.1	<0.002	0.01	9.52	5.7	2	5.2	50.2	0.39	0.08	3.0	0.137	1.03	3.0
J980778		909	53.5	0.002	<0.01	15.60	8.5	2	7.2	13.3	0.67	0.12	4.4	0.213	1.46	3.1
J980779		4.5	1.6	<0.002	<0.01	0.11	0.4	3	<0.2	49.1	<0.05	<0.05	0.2	<0.005	0.02	0.9
J980780		645	27.7	<0.002	<0.01	13.20	4.9	2	7.1	46.5	0.32	0.15	2.3	0.110	0.86	2.5
J980781		492	16.0	0.002	<0.01	9.97	2.5	1	12.4	45.1	0.12	0.22	1.3	0.046	0.39	1.9
J980782		2460	39.3	<0.002	0.02	61.1	6.1	5	11.0	33.0	0.24	0.62	2.3	0.076	2.55	7.0
J980783		230	69.5	0.004	1.50	196.5	27.2	3	3.3	137.5	0.35	1.69	5.4	0.214	0.98	1.6
J980784		1070	26.7	0.002	<0.01	17.05	4.9	3	4.9	51.7	0.42	0.11	2.4	0.131	0.92	2.2
J980785		1320	52.6	0.002	<0.01	20.9	8.9	2	8.8	38.9	0.88	0.16	4.7	0.263	1.54	3.0
J980786		62.8	3.8	<0.002	<0.01	2.10	0.6	2	0.3	50.6	<0.05	<0.05	0.5	0.011	0.06	0.4
J980787		74.4	4.7	<0.002	<0.01	1.82	0.7	2	0.3	45.6	<0.05	<0.05	0.7	0.013	0.07	0.5

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 11- SEP- 2010
Account: RCM

Project: RAU(CHEETAH)

CERTIFICATE OF ANALYSIS VA10125458

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5
J980752		17	0.9	1.4	60	2.1
J980753		12	0.6	1.1	30	1.3
J980754		33	1.3	4.2	29	13.8
J980755		4	0.1	0.9	16	0.8
J980756		87	2.1	12.4	129	78.1
J980757		96	1.8	12.6	54	82.2
J980758		122	1.5	14.8	42	114.0
J980759		128	1.4	15.1	45	115.5
J980760		98	1.4	14.9	36	98.2
J980761		109	1.4	13.3	38	101.0
J980762		99	1.6	18.4	72	97.4
J980763		103	1.1	13.9	31	115.0
J980764		107	1.5	8.2	14	97.7
J980765		37	0.7	6.9	8	46.8
J980766		36	0.6	9.7	33	42.8
J980767		18	0.3	6.7	13	15.0
J980768		14	0.2	3.6	9	9.9
J980769		7	0.2	2.4	6	7.3
J980770		12	0.2	3.5	7	6.4
J980771		17	0.2	4.2	8	12.7
J980772		55	0.4	11.0	28	65.5
J980773		15	0.2	3.2	14	8.2
J980774		13	0.2	2.5	27	7.8
J980775		20	0.1	1.8	51	2.4
J980776		28	6.3	6.1	991	11.1
J980777		57	14.3	10.3	1340	31.7
J980778		86	23.8	15.5	2220	41.8
J980779		2	0.2	1.0	25	0.5
J980780		57	14.4	11.3	2010	24.9
J980781		37	5.7	8.5	2410	15.0
J980782		189	37.9	28.4	8750	48.2
J980783		156	44.7	14.1	405	282
J980784		62	16.6	9.3	2170	31.4
J980785		98	28.0	13.8	2570	46.3
J980786		10	1.4	1.6	284	4.6
J980787		8	1.0	1.3	310	5.1

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 11- SEP- 2010
Account: RCM

Project: RAU(CHEETAH)

CERTIFICATE OF ANALYSIS VA10125458

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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1016- 510 W HASTINGS ST
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Finalized Date: 18- SEP- 2010
Account: RCM

CERTIFICATE VA10125741

Project: RAU

P.O. No.: Batch 76

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 4- SEP- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% < 2mm
LOG- 23	Pulp Login - Rcvd with Barcode
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
Ag- OG62	Ore Grade Ag - Four Acid	VARIABLE
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
As- OG62	Ore Grade As - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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North Vancouver BC V7H 0A7
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Finalized Date: 18- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10125741

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
I077191		3.42	<0.01	0.08	0.69	35	190	0.31	0.08	22.4	0.19	13.70	4.8	13	0.40	4.8
I077192		4.32	<0.01	0.18	2.25	14	480	0.70	0.09	16.95	0.15	26.2	8.6	36	1.41	8.2
I077193		3.76	<0.01	0.13	2.70	11	500	0.57	0.07	24.7	0.57	33.3	11.2	52	1.48	9.6
I077194		4.22	<0.01	0.13	4.23	11	1010	0.86	0.06	20.5	0.63	44.6	17.3	66	2.18	14.5
I077195		1.56	0.01	0.26	3.18	17	2300	0.66	1.92	20.8	0.72	35.1	13.8	52	1.29	7.1
I077196		0.74	<0.01	0.28	0.13	88	180	0.06	6.84	19.10	0.18	16.95	2.7	3	0.34	1.6
I077197		3.06	0.01	0.55	2.49	38	1930	0.62	6.55	20.2	0.70	32.6	10.5	48	1.01	4.6
I077198		3.74	0.02	1.68	1.02	39	330	0.33	11.50	18.60	0.92	18.75	5.1	23	0.61	5.0
I077199		0.26	8.45	22.0	5.32	7.7	40	1.33	1.60	1.44	0.05	6.74	9.4	39	55.7	19.4
I077200		0.64	0.36	7.47	1.40	3730	520	0.27	75.6	0.66	2.43	34.5	32.9	31	0.83	15.2
I077201		0.78	0.25	4.55	1.30	4320	540	0.17	284	0.28	2.31	84.7	20.5	24	0.44	17.4
I077202		1.14	0.08	4.41	1.33	2540	720	0.15	360	0.19	1.99	154.5	16.6	30	0.46	16.3
I077203		0.78	0.08	5.15	1.56	1020	490	0.27	114.5	12.15	0.81	86.2	14.5	40	0.44	10.8
I077204		3.76	<0.01	0.01	0.09	7	20	0.06	0.56	21.1	0.06	1.73	1.6	1	0.14	1.4
I077205		4.98	0.01	0.26	1.27	21	460	0.38	0.58	26.1	1.10	18.90	5.8	33	0.79	6.9
I077206		5.18	0.02	0.23	1.48	17	470	0.43	3.84	17.60	0.41	18.95	6.9	31	0.95	5.8
I077207		7.80	0.02	0.03	0.08	12	20	<0.05	0.23	37.1	0.04	4.71	0.8	<1	0.17	1.1
I077208		8.26	<0.01	0.17	7.42	5	420	1.06	0.73	11.55	0.09	51.5	56.0	220	32.4	53.8
I077209		4.36	<0.01	3.36	5.86	64	520	1.48	4.35	15.25	24.2	54.4	46.5	168	16.35	362
I077210		7.74	<0.01	0.04	1.78	9	230	0.42	0.12	29.8	0.04	26.2	5.1	23	3.00	5.6
I077211		12.34	<0.01	0.16	6.38	<0.2	1560	1.03	0.09	7.56	0.15	72.9	42.7	216	12.15	55.2
I077212		12.22	0.03	0.21	6.98	59.4	500	1.64	9.26	6.41	0.06	97.7	26.7	119	5.08	30.6
I077213		11.40	0.01	0.05	0.13	84	90	0.12	2.42	22.0	0.07	8.01	2.6	3	0.28	1.5
I077214		12.36	0.10	0.09	0.20	846	100	0.14	45.9	17.20	0.06	7.27	1.2	5	0.39	9.1
I077215		0.28	0.39	6.50	5.47	6.5	70	1.05	1.64	1.42	0.04	21.8	8.1	34	22.3	19.6
I077216		7.36	0.07	0.17	0.12	792	70	0.11	16.70	18.25	0.05	5.61	1.0	2	0.29	7.8
I077217		4.88	0.15	0.65	0.10	2020	70	0.08	77.4	11.35	0.09	7.58	1.0	4	0.21	6.4
I077218		8.46	0.04	0.05	0.12	1110	90	0.11	10.45	19.20	0.06	10.50	1.1	2	0.29	3.9
I077219		7.10	<0.01	<0.01	0.07	<5	20	0.07	0.11	21.0	0.06	1.35	1.0	1	0.19	2.6
I077220		11.56	0.03	0.05	0.66	1420	560	0.25	4.44	18.05	0.06	14.20	1.8	8	0.62	4.1
I077221		2.46	0.72	0.13	0.17	>10000	100	0.07	44.2	12.35	0.08	8.21	1.4	2	0.24	5.4
I077222		3.04	0.55	1.15	0.11	>10000	120	0.07	471	4.93	0.14	9.38	1.8	<1	0.22	20.8
I077223		1.58	0.74	1.57	0.10	>10000	140	0.07	528	5.34	0.14	9.52	1.7	1	0.17	30.2
I077224		1.14	0.39	0.73	0.44	>10000	380	0.19	349	1.11	0.25	9.81	2.4	5	0.42	46.1
I077225		0.96	0.38	68.8	0.51	6840	520	0.26	304	9.21	0.15	8.65	2.2	9	0.56	142.5
I077226		0.92	1.02	>100	0.20	>10000	340	0.12	2290	6.77	0.20	17.90	1.4	3	0.24	145.5

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 18- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10125741

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I077191		1.57	1.66	0.07	0.4	0.023	0.34	10.2	5.9	10.35	486	0.85	0.02	3.6	14.4	230
I077192		2.17	5.77	0.09	0.9	0.023	1.20	15.3	17.5	9.61	381	0.72	0.02	12.3	25.9	530
I077193		2.30	6.31	0.11	1.0	0.025	1.40	20.6	14.8	2.58	369	0.37	0.02	13.9	34.7	670
I077194		3.01	10.50	0.08	1.0	0.041	2.16	24.0	21.7	2.45	446	0.37	0.04	22.0	40.8	960
I077195		2.73	7.97	0.09	1.0	0.036	1.56	22.2	15.7	3.27	601	0.54	0.05	14.8	37.7	700
I077196		1.74	0.51	0.05	0.1	0.031	0.05	8.8	2.1	6.17	869	0.30	0.01	0.6	7.7	200
I077197		2.67	6.57	0.07	0.9	0.047	1.10	21.2	9.1	5.78	1160	0.33	0.06	10.6	31.9	760
I077198		2.63	3.06	0.07	0.6	0.102	0.43	12.9	6.1	10.45	2270	0.46	0.03	5.1	18.3	410
I077199		2.13	15.15	0.14	0.9	0.019	3.71	2.8	21.7	0.66	318	18.45	1.19	2.1	15.7	700
I077200		48.1	5.58	0.74	0.9	0.149	0.17	23.1	2.0	0.61	6490	1.50	0.10	2.8	94.9	540
I077201		44.5	6.38	0.71	0.8	0.178	0.09	63.4	1.6	0.43	1460	1.84	0.10	1.9	61.1	570
I077202		31.2	6.25	0.49	0.9	0.075	0.11	112.0	2.1	0.41	1220	2.55	0.10	1.8	49.8	450
I077203		18.25	6.35	0.30	0.8	0.059	0.32	62.9	3.5	0.50	1040	3.05	0.09	4.2	54.0	640
I077204		0.53	0.36	0.35	<0.1	<0.005	0.03	0.8	2.3	12.60	198	0.06	0.01	0.4	4.5	240
I077205		1.44	3.03	0.08	0.6	0.019	0.66	15.6	8.4	3.72	360	0.42	0.02	6.2	22.5	430
I077206		1.48	3.82	0.09	0.7	0.015	0.75	14.2	10.5	10.40	347	0.47	0.03	8.2	24.6	450
I077207		0.23	0.37	0.13	0.1	0.016	0.03	3.6	1.0	0.97	469	<0.05	<0.01	0.6	4.8	120
I077208		7.17	18.05	0.18	0.9	0.079	2.10	26.4	46.7	3.11	2320	0.25	1.06	34.8	263	1660
I077209		5.71	12.50	0.15	1.1	0.063	3.00	29.3	16.1	2.22	1940	7.98	0.11	21.1	147.0	1400
I077210		1.45	3.96	0.08	0.6	0.013	0.71	14.1	9.2	0.90	358	0.62	0.02	11.3	14.2	150
I077211		7.57	12.45	0.20	1.1	0.055	2.86	40.8	49.0	5.69	1910	0.12	0.13	26.9	219	1810
I077212		7.33	18.30	0.21	1.6	0.059	3.42	47.8	26.9	3.93	821	1.25	0.09	51.6	103.5	1970
I077213		2.07	0.61	<0.05	0.1	0.034	0.05	6.0	3.1	10.95	895	<0.05	0.01	0.7	7.5	160
I077214		7.95	1.08	0.12	0.1	0.057	0.08	4.9	3.2	9.03	1430	0.08	0.01	0.6	2.0	160
I077215		2.19	16.65	0.11	1.4	0.023	3.62	14.5	9.1	0.64	302	9.79	1.29	2.4	8.8	470
I077216		5.95	0.72	0.10	0.1	0.034	0.06	4.6	2.6	10.15	1280	0.15	0.01	0.5	2.3	100
I077217		13.85	0.72	0.20	0.1	0.049	0.04	5.6	1.8	6.56	1890	0.12	0.01	0.4	3.2	100
I077218		3.90	0.72	0.08	0.1	0.043	0.06	9.1	2.5	11.15	1340	0.08	0.01	0.4	2.0	90
I077219		0.48	0.23	<0.05	<0.1	<0.005	0.03	0.8	1.3	12.45	219	0.13	0.01	0.3	1.6	200
I077220		3.79	2.71	0.08	0.3	0.036	0.30	12.9	6.8	10.40	1110	0.13	0.01	2.8	6.3	310
I077221		14.10	1.17	0.21	0.1	0.100	0.07	4.7	2.2	6.93	2400	0.12	0.01	0.4	4.0	230
I077222		32.5	0.83	0.44	0.1	0.087	0.04	5.2	1.4	2.65	1720	0.87	0.01	0.5	5.9	110
I077223		34.3	0.82	0.48	0.1	0.101	0.04	5.1	1.5	2.86	1740	0.87	<0.01	0.6	6.5	110
I077224		47.6	2.91	0.76	0.2	0.085	0.16	6.1	1.4	0.44	2080	1.66	0.01	1.1	9.1	230
I077225		15.50	2.28	0.24	0.2	0.046	0.19	6.4	2.7	5.60	868	1.03	0.01	1.6	30.2	230
I077226		22.8	1.18	0.33	0.1	0.073	0.07	13.6	1.8	3.87	1060	2.57	0.01	0.7	25.0	180

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Finalized Date: 18- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10125741

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I077191		10.4	14.6	<0.002	0.03	0.79	2.5	2	1.3	153.5	0.19	<0.05	1.0	0.088	0.13	0.8
I077192		15.4	46.6	<0.002	0.05	1.30	6.1	2	2.6	106.0	0.72	<0.05	2.4	0.312	0.24	0.9
I077193		34.8	55.0	<0.002	0.18	0.87	7.3	2	0.6	371	0.77	<0.05	2.9	0.341	0.28	1.0
I077194		26.0	82.5	<0.002	0.20	0.84	11.0	2	1.0	259	1.25	<0.05	4.0	0.537	0.35	0.9
I077195		12.1	64.0	<0.002	0.01	0.70	8.6	2	2.9	201	0.84	0.08	3.0	0.372	0.30	1.0
I077196		6.5	3.3	<0.002	0.01	0.19	3.0	2	0.8	173.0	<0.05	0.06	0.4	0.012	0.05	0.2
I077197		28.2	55.6	<0.002	0.01	0.46	7.0	2	6.8	167.5	0.59	0.24	2.9	0.276	0.27	1.1
I077198		91.4	23.2	<0.002	0.05	0.76	3.3	2	4.6	83.7	0.27	0.43	1.5	0.132	0.14	0.9
I077199		7.2	1580	<0.002	0.03	0.81	8.2	1	1.0	71.0	0.23	<0.05	0.8	0.259	14.15	0.3
I077200		356	9.0	<0.002	0.10	5.87	3.8	4	5.4	21.8	0.14	3.09	1.7	0.070	0.40	4.7
I077201		332	6.6	<0.002	0.08	6.78	3.3	6	4.7	22.8	0.09	2.75	2.3	0.044	0.29	3.3
I077202		118.0	6.5	<0.002	0.06	4.32	3.3	3	3.8	23.8	0.09	1.58	3.0	0.048	0.23	2.6
I077203		93.7	18.9	<0.002	0.03	3.05	4.5	2	4.9	129.5	0.21	1.05	2.5	0.107	0.23	1.9
I077204		1.9	1.6	<0.002	0.01	<0.05	0.3	1	<0.2	49.0	<0.05	<0.05	0.3	<0.005	<0.02	0.7
I077205		18.9	31.1	<0.002	0.23	1.10	3.8	2	1.2	279	0.32	<0.05	1.6	0.160	0.19	0.9
I077206		28.5	30.1	<0.002	0.34	0.58	4.4	2	1.7	78.8	0.45	0.10	1.7	0.217	0.20	1.0
I077207		0.9	3.2	<0.002	0.01	<0.05	0.4	2	<0.2	156.5	<0.05	<0.05	0.3	0.008	0.02	0.2
I077208		3.8	286	<0.002	0.23	1.42	25.4	2	11.1	471	2.04	<0.05	4.5	1.270	2.60	1.1
I077209		1120	330	0.002	3.71	25.5	18.9	2	9.5	195.0	1.22	0.11	4.0	0.718	2.21	1.4
I077210		4.3	33.5	<0.002	1.52	0.33	3.7	2	0.9	306	0.58	<0.05	2.3	0.159	0.28	0.6
I077211		4.6	89.9	<0.002	0.01	0.27	19.5	2	1.1	175.5	1.70	<0.05	6.7	0.736	0.38	1.1
I077212		2.7	102.5	<0.002	4.40	0.66	14.8	2	5.7	80.8	3.03	<0.05	8.7	0.590	0.41	1.0
I077213		3.3	2.6	<0.002	0.92	0.56	0.8	2	0.2	103.5	<0.05	<0.05	0.4	0.011	0.03	0.1
I077214		4.5	4.1	0.004	9.10	2.53	0.9	5	0.3	77.8	<0.05	0.09	0.2	0.012	0.11	0.3
I077215		15.3	800	<0.002	0.02	0.84	7.8	2	1.1	56.8	0.20	<0.05	1.5	0.255	6.40	0.7
I077216		9.6	3.0	<0.002	1.06	1.22	0.6	2	0.3	56.8	<0.05	0.06	0.2	0.009	0.05	0.3
I077217		7.5	2.1	0.002	1.33	2.96	0.9	3	0.4	48.9	<0.05	0.08	0.2	0.006	0.08	0.5
I077218		6.7	2.9	0.002	0.42	0.95	0.9	3	0.3	94.8	<0.05	<0.05	0.3	0.008	0.05	0.2
I077219		3.3	1.6	<0.002	0.02	<0.05	0.3	2	<0.2	38.5	<0.05	<0.05	<0.2	<0.005	<0.02	0.7
I077220		5.3	12.1	0.003	0.39	0.93	1.5	3	0.7	92.0	0.17	<0.05	0.8	0.072	0.13	0.4
I077221		9.4	3.1	<0.002	1.11	5.11	2.2	8	0.3	89.9	<0.05	0.07	<0.2	0.007	0.05	0.4
I077222		14.3	2.3	0.027	0.74	21.2	0.8	11	0.2	31.0	<0.05	0.42	0.2	<0.005	0.55	3.7
I077223		16.8	2.3	0.026	1.22	27.6	0.8	14	0.2	35.8	<0.05	0.47	0.2	<0.005	0.58	3.9
I077224		12.7	8.3	0.004	0.15	29.8	1.3	13	0.5	17.4	<0.05	0.29	0.6	0.021	0.20	5.3
I077225		11.6	8.9	0.004	0.24	12.55	1.1	7	0.7	30.3	0.09	0.41	0.5	0.040	0.18	1.9
I077226		44.6	3.2	0.004	0.17	25.4	1.0	8	0.5	27.9	<0.05	0.87	0.3	0.011	0.23	3.5

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 18- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10125741

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Ag- OG62 Ag ppm 1	As- OG62 As % 0.001
I077191		21	0.6	10.3	71	17.0		
I077192		50	1.7	10.8	52	36.6		
I077193		56	1.7	16.3	205	44.5		
I077194		90	1.5	18.9	266	46.3		
I077195		67	3.3	16.1	298	41.7		
I077196		7	0.7	10.0	52	2.7		
I077197		55	5.3	12.9	137	39.8		
I077198		25	3.4	11.6	226	24.3		
I077199		57	1.0	8.6	33	33.6		
I077200		33	5.8	19.1	1280	36.5		
I077201		30	7.3	20.3	890	32.3		
I077202		31	9.3	23.7	691	31.7		
I077203		50	11.1	17.8	294	33.2		
I077204		4	2.2	1.0	18	0.5		
I077205		35	1.6	14.0	237	27.7		
I077206		39	2.0	12.2	101	31.4		
I077207		5	0.7	6.1	5	2.2		
I077208		234	2.3	21.7	95	33.6		
I077209		99	5.1	18.0	6530	44.2		
I077210		22	0.4	8.9	13	27.2		
I077211		128	2.0	15.3	89	45.9		
I077212		116	5.1	19.8	35	73.0		
I077213		8	1.4	8.4	13	3.3		
I077214		10	520	6.8	18	4.9		
I077215		56	0.6	11.6	30	52.7		
I077216		10	90.2	5.6	16	3.0		
I077217		7	383	7.6	18	2.3		
I077218		7	198.5	7.8	21	2.9		
I077219		3	0.5	0.8	17	<0.5		
I077220		13	310	6.7	29	13.2		
I077221		12	46.1	12.4	67	2.2		1.260
I077222		7	3610	10.6	182	2.2		1.220
I077223		7	3850	11.0	159	2.3		1.460
I077224		15	379	11.3	241	8.3		1.840
I077225		13	540	7.4	89	9.8		
I077226		18	530	9.4	68	4.2	119	0.990

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 18- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10125741

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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CERTIFICATE VA10125742

Project: RAU

P.O. No.: BATCH 75

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 4- SEP- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- 31	Fine crushing - 70% < 2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
As- OG62	Ore Grade As - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 19- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10125742

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
I077155		10.44	0.05	0.17	0.70	884	420	0.33	3.39	19.30	0.56	9.57	5.7	8	0.89	3.9
I077156		10.36	0.12	0.98	0.55	1540	380	0.28	13.55	18.75	1.03	9.41	1.8	7	0.79	96.9
I077157		11.66	0.02	0.11	0.99	402	760	0.39	3.31	18.85	0.84	9.31	1.8	10	1.60	3.9
I077158		11.80	0.01	0.07	0.49	292	220	0.26	1.35	19.20	0.48	8.72	1.1	5	0.88	3.3
I077159		10.08	0.01	0.14	0.61	289	140	0.29	1.11	19.20	0.73	9.53	1.2	10	2.34	3.3
I077160		11.56	0.02	0.07	0.75	416	100	0.34	3.05	19.05	0.68	10.30	1.5	8	4.95	3.4
I077161		11.36	0.02	0.21	0.84	519	180	0.39	3.77	18.00	1.83	10.80	1.9	7	3.48	4.6
I077162		0.28	2.69	1.40	6.70	1990	350	1.18	3.00	2.09	0.99	35.1	43.0	588	4.87	1090
I077163		6.44	0.02	0.39	0.93	634	50	0.40	6.20	17.55	2.00	14.75	2.7	11	4.24	8.0
I077164		3.26	0.06	15.50	1.79	4330	200	0.67	139.5	5.20	8.21	30.4	6.2	16	0.29	42.0
I077165		1.24	0.26	21.4	1.47	6920	90	0.56	775	0.34	8.93	19.90	6.5	13	0.24	46.8
I077166		3.98	0.26	28.5	0.95	>10000	3010	0.50	319	0.32	22.2	24.5	3.7	10	0.16	131.5
I077167		8.14	0.33	8.14	0.50	8080	90	0.16	513	0.29	3.79	9.34	2.6	4	0.29	32.1
I077168		9.26	0.37	12.20	4.10	4160	780	1.22	543	0.21	0.72	28.8	1.6	28	2.71	9.4
I077169		2.72	0.27	2.14	4.06	1670	180	0.89	379	0.16	0.14	76.7	20.3	34	6.65	10.5
I077170		7.32	<0.01	0.02	0.08	7	10	0.06	0.88	20.5	0.07	1.37	1.0	1	0.19	1.6
I077171		6.06	0.17	0.35	7.58	2340	840	2.21	43.9	1.36	1.49	58.4	38.8	44	38.4	11.2
I077172		15.66	0.18	5.93	2.90	1450	110	1.09	581	0.85	12.30	18.10	23.9	25	4.50	22.8
I077173		13.56	0.04	1.54	7.05	483	1020	1.87	446	2.59	2.14	70.7	59.6	46	9.13	12.3
I077174		13.32	0.04	0.44	5.81	519	730	1.57	67.6	6.39	0.21	63.9	45.3	37	19.95	15.5
I077175		13.20	0.02	0.20	5.70	769	690	1.23	122.5	3.37	0.06	91.2	68.3	37	28.4	8.5
I077176		6.40	0.01	0.23	5.52	889	780	1.20	176.0	3.31	0.06	80.6	71.6	38	25.0	9.3
I077177		4.84	0.20	0.29	6.99	638	1210	1.49	137.5	1.26	0.85	86.6	64.2	47	26.4	14.3
I077178		0.32	3.77	0.23	0.10	>10000	20	0.06	219	9.05	0.08	6.91	1.5	9	0.66	30.9
I077179		7.36	0.04	0.42	1.64	132	40	0.49	26.5	14.95	0.47	20.9	14.3	37	4.88	17.5
I077180		6.08	0.02	0.33	0.77	92	10	0.35	11.75	17.60	0.17	12.65	5.4	24	0.61	20.9
I077181		11.24	<0.01	0.43	4.90	34.1	130	1.04	0.33	4.53	2.86	49.3	19.5	110	4.17	55.8
I077182		11.00	<0.01	0.82	5.15	46.0	110	1.10	0.16	5.51	5.16	49.3	29.9	123	4.71	53.4
I077183		11.74	<0.01	0.32	3.60	29.2	130	0.80	0.22	0.34	0.26	33.5	11.7	53	1.89	32.4
I077184		9.14	<0.01	0.53	1.91	38.9	50	0.40	0.14	0.19	0.20	15.30	7.9	35	1.10	45.5
I077185		6.58	<0.01	0.33	3.75	43.3	150	0.85	0.19	2.02	0.23	38.3	18.0	104	2.30	38.5
I077186		10.78	<0.01	0.11	3.27	18	190	0.92	0.06	22.5	0.33	38.0	11.1	59	2.32	15.6
I077187		1.78	<0.01	0.28	10.05	72.5	3660	2.95	0.15	0.21	2.73	30.8	33.5	142	7.88	46.9
I077188		0.86	0.01	0.36	10.30	62.2	3720	3.15	0.18	0.18	2.26	8.07	69.9	147	6.22	51.0
I077189		0.82	0.02	0.41	8.22	55.5	2930	1.93	0.12	4.63	2.85	48.3	50.1	126	4.99	45.8
I077190		3.90	0.01	0.01	0.10	5	20	0.07	0.04	20.7	0.07	2.16	1.4	2	0.21	1.9

***** See Appendix Page for comments regarding this certificate *****

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 19- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10125742

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I077155		2.37	2.40	0.07	0.4	0.014	0.24	8.9	5.4	11.05	700	0.22	0.01	3.5	6.0	250
I077156		4.60	2.05	0.09	0.3	0.056	0.22	7.8	2.5	10.30	1140	0.41	0.01	2.1	5.6	190
I077157		2.07	3.55	0.06	0.5	0.013	0.46	6.9	4.8	11.05	924	0.21	0.01	4.5	5.6	360
I077158		1.56	1.75	0.05	0.3	0.009	0.20	8.0	2.7	11.30	734	0.12	0.01	2.3	3.4	300
I077159		2.20	2.85	0.06	0.4	0.028	0.23	7.6	3.9	11.05	1410	0.13	0.02	2.7	2.6	360
I077160		2.69	3.34	0.07	0.4	0.022	0.40	7.5	5.2	11.15	1360	0.15	0.02	2.8	3.5	320
I077161		4.02	3.15	0.08	0.4	0.031	0.36	7.8	4.6	10.45	1520	0.15	0.01	2.6	5.4	320
I077162		8.44	15.60	0.17	6.0	0.119	1.35	20.8	26.3	2.38	793	5.90	0.82	3.2	505	390
I077163		5.40	3.54	0.09	0.5	0.041	0.32	10.3	4.4	10.55	1180	0.29	0.03	3.4	9.6	430
I077164		31.9	8.55	0.39	0.7	0.201	0.03	19.7	2.5	3.30	1720	1.05	0.10	2.2	23.5	730
I077165		42.5	7.45	0.64	0.7	0.282	0.03	11.8	1.7	0.41	1360	1.31	0.08	1.2	31.1	780
I077166		49.4	5.40	0.82	0.3	0.313	0.02	14.5	1.0	0.13	936	1.60	0.01	0.7	21.6	1070
I077167		49.9	4.18	0.74	0.3	0.126	0.03	4.5	1.0	0.12	804	1.87	0.02	0.8	11.3	1030
I077168		25.9	23.1	0.35	2.4	0.040	1.52	20.9	4.0	0.64	171	0.44	0.14	3.6	4.5	1870
I077169		24.0	29.5	0.39	2.7	0.037	2.05	34.1	7.9	1.30	126	0.14	0.21	9.7	44.5	1570
I077170		0.51	0.26	<0.05	<0.1	<0.005	0.03	0.7	1.3	12.20	213	0.09	0.01	0.3	0.6	240
I077171		13.35	33.9	0.27	2.8	0.083	4.31	30.8	36.7	3.47	992	0.13	0.06	17.7	78.5	3110
I077172		26.4	16.45	0.37	1.6	0.068	0.56	8.9	4.6	1.20	216	0.13	0.16	6.6	52.7	1860
I077173		14.10	23.6	0.27	1.6	0.051	3.48	37.9	10.5	1.55	565	0.91	0.07	17.5	120.5	2390
I077174		11.45	19.05	0.24	1.9	0.029	3.26	35.2	16.4	3.24	419	3.54	0.10	18.6	107.5	2510
I077175		12.45	21.0	0.28	1.9	0.016	4.26	49.3	26.8	3.37	203	0.37	0.13	18.4	112.0	2620
I077176		13.35	19.45	0.28	2.1	0.017	4.01	44.2	24.2	3.09	196	0.38	0.14	19.8	115.0	2360
I077177		11.70	26.4	0.27	3.3	0.021	4.71	47.1	26.8	4.02	355	2.24	0.12	20.2	127.5	2940
I077178		20.4	0.98	0.24	0.1	0.106	0.05	2.9	1.6	5.10	1780	5.28	0.01	1.2	9.0	80
I077179		5.36	8.85	0.05	1.4	0.009	0.37	11.6	5.2	9.85	1080	45.2	0.11	7.4	77.4	990
I077180		2.81	4.61	<0.05	0.7	0.007	0.05	7.9	4.0	10.95	765	43.2	0.07	2.6	61.7	510
I077181		3.94	15.40	0.12	3.0	0.063	2.31	28.2	19.7	1.54	128	23.0	0.04	28.8	75.5	3090
I077182		5.10	15.90	0.12	2.7	0.064	2.45	26.6	20.6	1.92	216	14.50	0.04	28.8	107.5	2570
I077183		5.02	11.50	0.09	1.0	0.026	1.66	18.4	13.5	0.34	16	1.00	0.03	16.5	31.8	1610
I077184		18.85	5.69	0.19	0.5	0.024	0.92	6.8	7.1	0.18	5	0.76	0.02	5.8	20.3	870
I077185		8.38	11.80	0.15	1.4	0.037	1.82	24.4	14.9	0.40	35	0.88	0.03	15.8	41.5	1410
I077186		2.60	8.93	0.07	0.9	0.032	1.63	22.6	14.9	0.90	360	0.45	0.04	17.4	29.6	940
I077187		8.96	25.2	0.20	5.7	0.059	5.66	17.5	98.9	1.35	236	3.11	0.08	9.3	99.2	1350
I077188		11.30	28.5	0.24	4.7	0.058	6.08	3.7	103.5	1.38	438	2.26	0.09	6.9	195.5	1710
I077189		11.10	15.65	0.24	4.5	0.087	4.51	26.2	62.1	1.93	455	3.62	0.07	11.0	182.0	3480
I077190		0.44	0.42	<0.05	<0.1	0.005	0.04	1.1	1.8	12.30	188	0.11	0.01	0.5	1.9	210

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 19- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10125742

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I077155		23.6	18.3	<0.002	0.01	0.61	1.6	2	0.8	46.3	0.23	<0.05	0.9	0.082	0.17	0.5
I077156		76.6	14.7	<0.002	0.03	33.9	1.2	3	2.1	43.8	0.14	0.06	0.6	0.049	0.17	0.7
I077157		21.8	27.0	<0.002	0.02	0.47	1.7	2	1.0	51.7	0.27	<0.05	1.0	0.088	0.27	0.6
I077158		14.3	15.1	<0.002	0.01	0.41	1.2	2	0.5	40.6	0.14	<0.05	0.6	0.051	0.14	0.4
I077159		17.3	39.7	<0.002	0.02	0.40	1.6	2	0.8	53.4	0.17	<0.05	0.7	0.066	0.23	0.6
I077160		8.8	65.3	<0.002	0.02	0.61	1.8	2	0.7	62.9	0.17	<0.05	0.6	0.069	0.37	0.7
I077161		33.5	34.1	<0.002	0.06	0.82	2.0	2	0.6	59.6	0.17	<0.05	0.7	0.063	0.31	0.8
I077162		231	69.0	0.002	1.51	181.5	21.4	3	2.6	126.5	0.33	1.48	5.7	0.237	0.93	1.7
I077163		39.3	66.6	<0.002	0.08	0.77	2.3	2	2.1	52.1	0.21	0.09	1.2	0.079	0.34	1.0
I077164		581	4.2	<0.002	0.28	4.87	5.0	4	3.9	27.8	0.12	0.40	2.7	0.057	0.19	4.3
I077165		913	2.7	0.020	0.08	10.85	4.4	5	3.9	13.6	0.05	1.05	1.5	0.033	0.67	5.8
I077166		2010	1.8	0.020	0.20	14.75	4.8	6	2.4	27.0	<0.05	0.61	1.1	0.006	0.60	6.3
I077167		988	5.0	0.025	0.11	10.20	3.8	7	1.5	11.0	<0.05	1.21	0.7	0.012	0.83	3.5
I077168		1070	129.5	0.003	1.08	7.97	6.1	7	17.1	128.0	0.18	0.43	3.0	0.224	0.95	4.2
I077169		31.9	278	0.002	>10.0	3.44	8.8	9	8.1	234	0.51	0.66	3.8	0.404	1.63	5.2
I077170		2.1	2.1	<0.002	0.04	<0.05	0.3	1	<0.2	34.7	<0.05	<0.05	<0.2	0.005	<0.02	0.5
I077171		3.6	306	0.002	8.05	1.27	15.7	3	9.0	49.9	1.00	0.14	5.0	0.666	2.34	3.5
I077172		415	92.6	<0.002	>10.0	7.96	4.9	6	19.9	27.4	0.36	1.29	1.3	0.254	0.49	2.8
I077173		97.3	242	0.003	>10.0	7.40	14.1	3	12.6	21.0	1.02	1.20	4.3	0.699	1.27	2.0
I077174		5.4	348	0.019	>10.0	1.75	11.7	3	6.1	33.0	1.10	0.86	3.8	0.665	2.10	1.9
I077175		3.2	500	0.003	>10.0	2.11	11.8	3	6.7	33.1	1.04	0.61	3.7	0.653	2.37	1.6
I077176		4.1	460	0.003	>10.0	2.68	11.3	3	6.8	31.7	1.15	0.95	3.6	0.702	2.20	1.7
I077177		9.4	580	0.011	>10.0	2.95	14.7	4	10.4	36.9	1.16	0.77	4.7	0.779	2.38	4.0
I077178		8.2	8.1	0.002	>10.0	21.5	0.4	4	1.8	60.6	<0.05	0.64	0.2	0.006	0.13	0.5
I077179		4.7	75.4	0.068	4.98	2.74	4.3	4	2.8	73.8	0.41	0.96	2.1	0.216	0.61	7.3
I077180		4.2	10.4	0.112	2.41	5.75	2.4	5	0.9	81.3	0.15	0.70	1.7	0.055	0.87	9.8
I077181		51.0	61.7	0.075	4.68	2.85	11.5	4	1.5	68.1	1.62	0.07	4.4	0.732	3.00	10.1
I077182		165.0	66.2	0.044	5.28	4.73	12.8	3	1.5	73.7	1.52	0.07	4.5	0.696	2.67	6.5
I077183		22.0	42.1	0.002	5.20	1.45	6.3	2	1.0	16.4	0.88	0.09	2.9	0.396	1.69	1.7
I077184		36.3	28.2	0.002	>10.0	2.15	3.1	3	0.5	10.4	0.31	0.14	1.0	0.148	3.28	0.9
I077185		22.7	48.5	0.002	9.27	1.68	8.9	2	1.1	33.2	0.81	0.13	2.8	0.380	1.84	1.7
I077186		6.8	55.8	0.004	2.32	0.50	7.5	1	0.8	503	0.98	<0.05	2.8	0.435	0.94	1.1
I077187		15.3	174.0	<0.002	0.08	3.02	22.2	1	3.5	38.6	0.50	0.10	4.8	0.398	1.42	5.9
I077188		16.2	145.5	<0.002	0.08	3.48	19.5	1	4.8	40.0	0.34	0.12	3.4	0.335	1.43	4.7
I077189		16.6	128.5	<0.002	0.04	2.69	20.0	2	4.2	71.6	0.59	0.06	5.5	0.403	1.33	6.1
I077190		1.4	2.3	<0.002	<0.01	<0.05	0.4	1	<0.2	45.8	<0.05	<0.05	<0.2	0.006	<0.02	0.6

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 19- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10125742

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	As- OG62 As % 0.001
I077155		14	52.5	7.6	185	17.3	
I077156		15	5.0	7.7	310	11.8	
I077157		16	4.1	5.9	177	19.5	
I077158		12	2.1	7.0	159	11.5	
I077159		19	2.6	8.5	215	16.8	
I077160		16	2.8	7.5	228	18.3	
I077161		17	4.3	8.7	453	18.0	
I077162		154	37.8	12.7	378	254	
I077163		22	6.0	10.3	324	20.7	
I077164		49	48.9	16.8	4520	29.2	
I077165		41	3160	16.1	6290	27.4	
I077166		33	3090	16.9	8130	14.5	0.968
I077167		30	4170	6.5	3270	12.9	
I077168		109	490	2.3	364	99.6	
I077169		113	148.5	8.2	164	129.5	
I077170		2	1.7	0.8	16	0.7	
I077171		175	36.4	12.1	245	150.5	
I077172		74	36.0	4.2	2890	76.6	
I077173		174	110.5	10.5	429	75.7	
I077174		170	8.7	11.8	75	87.6	
I077175		138	7.7	8.0	48	102.5	
I077176		135	12.5	7.7	48	114.0	
I077177		197	41.5	8.3	206	162.0	
I077178		2	260	4.8	16	3.7	5.76
I077179		330	10.1	13.3	91	65.2	
I077180		361	8.2	10.7	45	30.3	
I077181		288	1.0	18.9	460	132.0	
I077182		221	2.1	17.9	1160	119.0	
I077183		112	0.7	10.7	32	47.7	
I077184		68	0.4	6.0	38	23.0	
I077185		160	0.6	10.5	34	61.5	
I077186		76	0.5	17.7	56	43.8	
I077187		218	0.6	9.0	1450	242	
I077188		248	0.7	8.7	1240	201	
I077189		173	1.1	25.1	1720	172.5	
I077190		2	0.1	1.1	16	0.8	

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 19- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10125742

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 22- SEP- 2010
Account: RCM

CERTIFICATE VA10127790

Project: RAU

P.O. No.: BATCH 77

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 9- SEP- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% < 2mm
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
As- OG62	Ore Grade As - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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Finalized Date: 22- SEP- 2010
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CERTIFICATE OF ANALYSIS VA10127790

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
I077227		2.28	0.50	29.3	0.22	6620	150	0.05	8150	4.10	0.18	18.70	2.0	3	0.13	55.1
I077228		5.62	0.06	0.90	0.09	1060	100	0.05	152.0	16.40	0.17	5.47	1.2	2	0.25	5.6
I077229		3.24	0.06	0.30	0.15	1900	110	0.06	180.5	16.85	0.23	8.04	1.7	2	0.32	5.7
I077230		7.12	<0.01	0.01	0.07	14	10	<0.05	0.46	20.4	0.07	0.99	1.1	1	0.19	1.8
I077231		2.46	0.04	0.30	1.99	1040	1040	0.68	34.2	15.75	0.26	26.8	3.8	30	2.70	8.3
I077232		3.66	0.18	0.46	2.08	3070	950	0.72	64.4	12.15	0.36	28.4	5.9	30	2.54	13.9
I077233		3.80	0.16	0.26	2.07	1900	970	0.66	171.5	14.70	0.26	28.5	4.3	30	2.44	12.6
I077234		5.16	1.30	0.59	1.59	3850	540	0.43	445	12.50	0.28	26.7	2.5	22	1.78	12.8
I077235		6.78	3.11	2.07	0.12	90.4	630	<0.05	74.7	0.16	<0.02	355	0.4	18	0.06	4.4
I077236		3.40	1.34	6.42	0.46	5850	490	0.07	6360	0.20	0.07	359	1.2	17	0.26	11.9
I077237		0.26	1.47	0.58	5.06	84.7	90	1.21	5.62	1.00	0.13	13.95	24.9	163	25.8	471
I077238		8.62	0.93	0.79	0.99	>10000	170	0.23	371	4.76	0.87	41.0	5.0	19	2.68	15.1
I077239		6.06	1.89	7.78	1.24	>10000	420	0.45	877	5.82	9.25	49.5	3.9	18	1.84	22.7
I077240		2.92	0.10	7.25	0.54	1800	100	0.13	66.9	10.60	6.05	11.50	12.0	11	0.49	13.7
I077241		9.56	0.09	0.63	5.60	1220	930	1.50	82.2	1.04	1.23	43.3	21.8	45	5.46	10.5
I077242		9.94	0.02	0.13	6.05	658	370	1.41	106.5	9.64	0.02	59.4	20.3	33	29.4	28.0
I077243		0.88	1.75	0.68	0.30	1290	270	0.18	300	15.80	0.31	5.77	13.9	6	0.20	5.0
I077244		3.50	<0.01	0.10	0.06	215	20	0.07	1.71	20.0	0.09	1.79	1.7	3	0.16	6.4
I077245		3.18	<0.01	0.11	0.07	53	30	0.06	1.65	21.5	0.19	2.49	1.7	2	0.21	2.0
I077246		8.10	<0.01	0.08	0.53	13	240	0.21	0.69	22.8	1.07	5.52	3.3	10	0.54	3.7
I077247		11.62	<0.01	0.07	11.40	2.2	1990	2.28	0.27	0.74	0.02	135.0	45.4	211	27.9	49.6
I077248		7.56	<0.01	0.02	10.75	44.7	2340	2.20	0.93	1.99	<0.02	105.0	80.8	425	43.9	98.0
I077249		10.92	0.01	0.06	9.12	13.9	1430	1.67	0.18	5.40	0.07	60.6	78.2	413	34.9	63.6
I077250		5.20	0.02	0.04	0.70	<5	110	0.15	0.07	33.6	0.18	18.95	11.9	34	0.90	19.7
I077251		11.88	<0.01	0.07	6.96	<5	1170	1.00	0.07	13.80	0.15	47.1	50.0	323	5.46	75.1
I077252		0.26	8.83	22.9	5.39	7.4	30	1.43	1.39	1.49	0.04	5.84	9.3	40	58.9	18.6
I077253		12.00	0.01	0.09	6.87	<5	1000	0.78	0.53	12.90	0.18	51.2	52.2	304	6.16	84.4
I077254		6.94	<0.01	0.05	10.50	6.8	1980	1.95	0.23	4.28	0.32	92.0	90.1	446	11.45	82.9
I077255		6.18	0.02	0.12	9.31	113.0	3700	2.12	2.01	0.92	0.38	106.5	64.6	421	7.38	127.0
I077256		7.32	<0.01	0.01	0.08	6	20	<0.05	0.07	21.8	0.08	1.31	1.4	1	0.16	2.4
I077257		3.90	0.05	0.25	9.61	207	>10000	2.43	21.5	0.58	0.30	92.6	18.7	292	5.22	37.9
I077258		2.84	0.08	0.13	9.54	235	>10000	2.49	46.4	0.47	0.23	75.1	14.5	296	4.87	28.0
I077259		10.38	0.02	0.10	1.57	49	1980	0.50	1.45	20.9	0.11	20.8	6.2	21	1.36	9.7
I077260		11.12	0.02	0.12	0.45	89	440	0.21	0.70	21.9	0.16	11.30	2.7	8	0.49	5.2
I077261		10.98	0.02	0.10	0.33	159	370	0.19	0.96	21.5	0.24	6.74	1.8	4	0.44	4.9
I077262		9.66	0.07	0.24	0.64	306	640	0.30	1.63	17.25	0.50	9.10	2.4	7	1.04	8.6

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Project: RAU

CERTIFICATE OF ANALYSIS VA10127790

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I077227		30.8	1.53	0.45	0.1	0.095	0.04	11.6	1.2	2.70	828	3.90	0.01	0.5	12.3	220
I077228		6.06	0.53	0.11	<0.1	0.032	0.03	3.8	1.9	10.55	1020	0.35	0.01	0.3	1.3	70
I077229		7.25	0.80	0.14	<0.1	0.042	0.04	5.7	2.4	10.80	1040	0.26	0.01	0.3	2.5	110
I077230		0.44	0.25	0.13	<0.1	<0.005	0.03	0.5	0.9	13.20	219	0.05	0.01	0.3	0.7	150
I077231		4.00	8.87	0.13	1.4	0.031	0.88	19.2	15.0	10.75	1050	0.36	0.04	11.6	7.0	810
I077232		8.87	8.75	0.20	1.2	0.036	0.81	20.9	12.5	8.68	1170	0.54	0.03	10.6	16.2	740
I077233		5.19	7.33	0.15	1.2	0.029	0.85	21.8	12.6	10.55	904	0.30	0.03	10.4	14.8	950
I077234		10.35	6.10	0.21	0.9	0.034	0.58	19.0	11.6	8.19	716	0.79	0.02	7.6	9.7	640
I077235		0.66	1.40	0.16	1.2	<0.005	0.03	246	0.4	0.04	48	0.30	0.01	14.3	1.7	190
I077236		13.90	3.73	0.76	1.1	0.015	0.18	246	2.3	2.75	302	0.95	0.03	7.5	5.7	400
I077237		2.01	14.25	0.11	1.6	0.046	3.62	7.8	7.4	0.39	292	5.17	1.22	2.7	491	480
I077238		25.8	8.51	0.47	0.6	0.174	0.44	22.5	3.4	4.80	2580	0.25	0.02	3.5	16.5	1210
I077239		23.4	10.00	0.46	0.7	0.432	0.47	34.4	2.6	4.05	2210	0.41	0.05	2.9	19.4	1820
I077240		14.20	2.82	0.22	0.2	0.151	0.13	4.6	1.9	6.86	2950	0.53	0.02	1.3	23.1	360
I077241		14.45	20.6	0.31	2.0	0.074	2.72	21.2	15.0	1.26	254	0.46	0.06	12.4	80.4	990
I077242		6.60	23.1	0.21	2.0	0.059	3.85	29.4	27.1	4.91	1600	0.14	0.06	22.9	54.7	2130
I077243		14.10	1.32	0.24	0.2	0.126	0.12	3.5	2.3	10.10	592	2.61	0.01	0.9	61.3	1250
I077244		2.48	0.26	0.06	<0.1	0.024	0.01	1.0	2.3	12.65	278	0.32	0.02	0.3	4.6	100
I077245		0.90	0.35	0.09	<0.1	0.027	0.01	1.4	3.4	13.75	448	0.13	0.02	0.3	3.2	90
I077246		2.15	1.36	0.07	0.1	0.125	0.24	3.3	2.4	11.00	4660	1.35	0.02	0.8	12.5	80
I077247		13.20	27.8	0.33	0.5	0.111	5.89	70.3	57.3	1.35	392	1.77	1.08	44.0	192.0	2380
I077248		7.45	34.8	0.24	0.6	0.115	5.98	51.6	59.6	2.18	721	1.99	0.27	44.5	394	1980
I077249		10.70	24.7	0.23	0.5	0.093	4.43	29.0	43.4	2.37	1360	0.67	0.44	37.3	316	1100
I077250		2.52	2.38	0.08	0.4	0.013	0.15	8.3	3.1	0.98	2640	0.84	0.01	12.0	20.7	420
I077251		7.25	17.10	0.18	0.6	0.063	2.16	24.3	26.0	2.57	2160	0.41	0.96	23.6	261	1430
I077252		2.20	15.10	0.12	1.0	0.022	3.70	2.5	20.1	0.69	316	19.10	1.23	1.8	14.4	690
I077253		6.48	15.85	0.19	0.6	0.060	2.57	26.7	20.9	2.28	2100	0.49	0.76	17.4	279	1450
I077254		12.20	29.1	0.35	0.7	0.116	4.54	41.5	27.5	1.61	1300	1.13	0.12	48.4	533	2310
I077255		10.85	24.6	0.30	0.9	0.122	3.87	54.0	14.6	0.81	870	1.29	0.12	15.0	329	2740
I077256		0.48	0.29	0.17	<0.1	<0.005	0.03	0.6	1.0	14.05	231	0.06	0.01	0.3	2.0	240
I077257		10.65	28.1	0.26	2.1	0.073	3.89	55.4	19.9	0.81	299	1.32	0.19	24.0	114.0	2010
I077258		9.89	28.5	0.23	2.0	0.067	3.95	52.9	18.3	0.75	270	1.24	0.19	27.7	92.8	1720
I077259		1.89	4.21	0.09	0.5	0.030	0.71	13.1	9.7	11.25	636	0.31	0.03	7.8	22.2	550
I077260		1.46	1.52	0.07	0.3	0.025	0.17	8.2	5.3	9.76	565	0.27	0.01	2.5	8.8	310
I077261		1.07	1.25	0.07	0.2	0.016	0.13	5.0	3.4	12.35	432	0.13	0.01	1.8	4.2	210
I077262		1.77	2.73	0.09	0.4	0.031	0.22	6.2	5.5	9.79	637	0.25	0.02	2.8	7.7	420

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 22- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10127790

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I077227		57.0	1.9	0.003	0.08	119.5	1.5	12	1.8	16.4	<0.05	2.60	0.2	0.010	0.20	2.8
I077228		6.0	2.7	<0.002	0.04	5.00	0.7	4	0.3	48.5	<0.05	0.10	<0.2	<0.005	0.04	0.6
I077229		8.6	3.3	<0.002	0.05	8.25	0.8	5	0.3	60.5	<0.05	0.14	0.2	<0.005	0.04	0.6
I077230		1.1	1.8	<0.002	0.01	<0.05	0.3	1	<0.2	36.6	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
I077231		5.1	45.7	<0.002	0.03	2.86	3.9	3	3.4	62.0	0.71	0.08	2.1	0.266	0.34	2.0
I077232		5.6	36.0	0.002	0.02	7.07	4.6	4	2.6	44.4	0.61	0.12	2.0	0.240	0.29	1.8
I077233		4.9	34.4	<0.002	0.01	5.38	4.8	3	2.2	52.7	0.63	0.15	2.3	0.246	0.25	1.3
I077234		11.6	24.5	<0.002	0.03	16.50	3.1	4	2.1	47.2	0.45	5.38	1.6	0.183	0.20	1.9
I077235		7.9	1.4	<0.002	0.03	13.95	0.3	3	1.9	8.6	0.79	0.55	1.9	0.338	0.03	4.7
I077236		266	10.6	0.003	0.23	112.5	1.2	125	15.5	50.6	0.50	44.7	1.9	0.170	0.40	5.0
I077237		174.0	950	0.002	0.31	2.61	3.4	2	3.2	50.1	2.01	0.19	2.0	0.083	8.11	0.7
I077238		10.5	53.5	0.002	1.67	9.74	3.8	24	1.8	115.0	0.19	2.21	1.2	0.104	0.99	3.8
I077239		582	46.7	0.003	3.41	18.75	5.6	27	4.8	305	0.16	4.81	2.3	0.114	1.12	3.7
I077240		249	11.7	0.003	>10.0	2.66	3.8	9	1.7	38.1	0.07	0.25	0.2	0.039	0.16	0.9
I077241		18.6	178.0	<0.002	>10.0	2.15	12.3	8	6.4	18.9	0.70	0.42	2.9	0.446	1.06	1.2
I077242		1.4	450	<0.002	5.58	1.68	13.3	3	8.1	47.2	1.29	0.17	3.6	0.726	2.45	2.5
I077243		23.2	6.6	<0.002	0.04	16.00	0.8	4	0.7	60.7	<0.05	0.06	0.6	0.015	0.18	18.5
I077244		2.5	1.5	<0.002	0.02	0.21	0.2	2	0.3	61.8	<0.05	<0.05	<0.2	<0.005	0.08	4.9
I077245		8.4	1.2	<0.002	0.01	0.25	0.4	2	0.5	62.9	<0.05	<0.05	<0.2	<0.005	0.04	1.6
I077246		7.6	17.8	<0.002	0.02	0.54	1.9	2	2.8	59.7	<0.05	<0.05	0.3	0.024	0.43	0.5
I077247		1.4	144.5	0.003	0.01	0.21	22.8	2	2.7	74.4	3.04	<0.05	10.9	1.270	1.34	0.7
I077248		1.7	256	0.003	0.19	0.39	32.5	2	30.7	88.4	2.56	0.07	6.6	1.265	3.61	1.0
I077249		1.7	205	0.002	0.04	0.20	31.2	2	8.1	112.0	2.15	<0.05	3.8	1.400	2.06	0.7
I077250		4.6	7.8	<0.002	0.10	<0.05	3.5	2	0.3	388	0.56	<0.05	1.1	0.252	0.07	0.4
I077251		4.7	65.2	0.002	0.01	0.24	25.1	2	1.0	279	1.30	<0.05	2.9	0.885	0.32	0.7
I077252		5.9	1600	<0.002	0.03	0.93	7.6	2	1.0	68.0	0.21	<0.05	0.5	0.266	14.10	0.2
I077253		3.7	75.4	0.002	0.01	0.47	23.4	2	0.9	234	1.04	<0.05	2.9	0.762	0.49	0.7
I077254		5.9	148.0	0.003	0.02	0.92	36.9	3	2.1	78.4	2.80	<0.05	5.9	1.650	1.24	0.8
I077255		10.2	141.5	0.004	0.17	2.00	30.5	2	2.3	70.0	0.93	<0.05	8.2	0.511	1.64	1.7
I077256		1.2	1.7	<0.002	0.01	<0.05	0.4	2	<0.2	42.3	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
I077257		5.8	119.0	0.011	0.11	4.48	23.6	2	3.9	76.8	1.37	<0.05	11.6	0.446	1.12	2.9
I077258		6.3	119.0	0.012	0.11	5.62	24.1	2	4.0	66.2	1.50	<0.05	10.5	0.506	1.19	2.5
I077259		3.5	26.2	0.002	0.03	1.95	3.7	2	0.6	128.5	0.43	<0.05	1.6	0.142	0.28	0.5
I077260		2.6	7.6	<0.002	0.02	2.58	1.4	2	0.2	102.5	0.14	<0.05	0.5	0.049	0.08	0.4
I077261		2.4	6.7	<0.002	0.01	1.31	1.0	2	0.2	68.3	0.10	<0.05	0.3	0.040	0.08	0.2
I077262		2.7	15.7	<0.002	0.01	1.62	1.7	2	0.5	63.8	0.15	<0.05	0.6	0.064	0.15	0.4

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Finalized Date: 22- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10127790

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	As- OG62 As % 0.001
I077227		21	221	8.2	150	6.2	
I077228		7	17.4	6.2	47	2.1	
I077229		8	20.9	8.4	81	1.8	
I077230		3	0.1	0.7	17	<0.5	
I077231		53	10.9	11.1	86	58.0	
I077232		53	17.2	13.6	97	52.5	
I077233		49	12.3	13.2	73	49.2	
I077234		42	30.1	9.1	85	41.2	
I077235		19	47.9	4.1	2	50.3	
I077236		48	373	4.6	46	44.2	
I077237		23	9.4	3.8	140	63.0	
I077238		53	17.3	16.8	107	25.9	1.670
I077239		49	161.0	12.1	2320	38.5	2.22
I077240		20	29.5	13.8	2180	7.5	
I077241		97	9.7	7.8	163	79.7	
I077242		161	16.4	15.0	24	85.9	
I077243		23	2.4	5.1	78	6.2	
I077244		5	0.2	1.3	53	1.3	
I077245		6	0.3	1.4	42	1.4	
I077246		10	0.9	3.8	296	4.8	
I077247		217	0.7	16.3	96	19.9	
I077248		271	6.1	15.2	35	27.0	
I077249		206	1.6	15.8	105	19.7	
I077250		42	1.7	13.6	31	20.0	
I077251		193	0.3	19.6	127	29.1	
I077252		60	0.4	8.4	30	35.0	
I077253		180	0.3	17.8	136	24.4	
I077254		235	1.9	17.9	242	30.8	
I077255		148	1.4	24.2	149	41.1	
I077256		3	0.1	0.9	17	0.5	
I077257		190	3.7	18.3	99	96.3	
I077258		192	3.5	15.7	75	95.9	
I077259		28	1.5	10.9	27	25.3	
I077260		10	1.4	7.9	36	11.2	
I077261		8	1.9	6.5	42	9.2	
I077262		15	5.4	8.6	91	15.3	

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 22- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10127790

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 28- SEP- 2010
Account: RCM

CERTIFICATE VA10130415

Project: RAU

P.O. No.: BATCH 78

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 13- SEP- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- 31	Fine crushing - 70% < 2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
As- OG62	Ore Grade As - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 28- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10130415

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
I077263		9.96	0.03	0.07	0.39	160	490	0.23	1.17	16.50	0.25	6.73	2.4	6	0.54	3.5
I077264		10.74	0.05	0.61	0.13	934	570	0.12	7.22	19.30	1.32	7.47	1.8	2	0.26	43.8
I077265		8.38	0.03	0.13	0.14	729	100	0.12	2.39	19.15	0.90	6.75	1.3	1	0.22	2.9
I077266		3.70	0.62	0.40	0.42	>10000	460	0.21	393	3.79	5.76	21.3	3.9	3	0.39	17.2
I077267		7.40	<0.01	0.01	0.08	8	20	0.06	0.12	19.65	0.06	1.57	1.5	<1	0.17	2.3
I077268		4.18	0.10	0.20	0.23	5010	190	0.19	25.0	14.50	3.37	13.80	2.2	1	0.24	4.6
I077269		4.04	0.07	0.10	0.23	1420	260	0.15	9.73	18.25	1.73	10.80	1.8	2	0.37	5.0
I077270		5.48	1.58	0.26	0.36	2100	270	0.18	166.0	13.55	2.82	11.90	3.4	2	0.37	6.1
I077271		0.26	8.46	28.5	4.61	8.5	30	1.46	1.34	1.33	0.04	5.68	8.5	34	54.3	18.6
I077272		9.08	<0.01	0.08	0.41	663	320	0.37	3.76	19.05	1.84	9.54	1.6	4	0.40	4.2
I077273		10.88	0.02	0.10	0.37	432	760	0.23	4.17	19.60	1.51	7.94	2.2	5	0.40	2.8
I077274		10.36	0.04	0.08	0.52	1040	430	0.22	14.30	15.95	2.62	10.20	3.7	7	0.54	11.2
I077275		5.22	0.05	0.11	0.56	1330	410	0.27	22.2	16.95	2.85	11.60	4.0	8	0.52	14.9
I077276		9.04	0.07	1.18	0.99	1380	490	0.45	14.60	11.10	3.59	11.70	4.2	14	1.26	125.5
I077277		10.92	0.08	0.56	0.61	372	1850	0.25	11.95	15.90	6.10	8.63	3.4	8	0.85	18.8
I077278		11.00	0.05	0.26	1.21	100	770	0.50	5.91	17.25	1.97	18.05	4.4	17	1.70	10.1
I077279		10.28	1.38	16.45	0.95	416	320	0.32	64.0	15.15	0.68	10.45	4.2	19	1.24	2070
I077280		10.84	0.09	1.36	0.62	52	230	0.22	4.59	20.5	0.17	7.14	2.8	12	1.17	72.7
I077281		7.22	<0.01	0.10	1.41	<5	250	0.38	0.78	28.4	0.11	20.6	5.6	25	3.20	7.9
I077282		8.36	<0.01	0.27	7.15	1.5	310	2.22	2.24	7.78	0.02	96.4	35.0	98	8.48	244
I077283		8.28	<0.01	2.05	8.27	27.4	1150	2.52	158.5	7.27	7.46	120.5	19.1	82	16.30	70.0
I077284		5.86	<0.01	2.55	3.08	29	470	1.20	11.45	24.4	23.8	45.4	16.7	26	3.14	129.5
I077285		6.48	<0.01	0.69	1.36	14	170	0.42	1.00	31.1	10.15	25.7	2.5	19	1.27	18.0
I077286		7.72	<0.01	0.12	0.24	7	60	0.11	0.12	33.6	1.69	5.08	1.2	4	0.33	2.5
I077287		7.92	<0.01	0.35	1.38	10	180	0.44	0.57	23.9	3.94	26.7	7.5	9	2.49	12.7
I077288		7.30	<0.01	0.13	0.19	7	90	0.10	0.18	31.5	2.83	4.47	1.2	2	0.28	2.4
I077289		5.04	<0.01	0.12	0.28	16	160	0.13	0.25	32.6	2.89	6.31	3.3	8	0.29	2.7
I077290		5.50	<0.01	0.22	0.45	6	90	0.19	0.04	31.7	2.63	8.76	2.8	14	0.65	8.7
I077291		7.00	<0.01	0.32	5.16	5	580	1.68	33.3	11.95	0.52	80.6	41.1	126	31.1	232
I077292		7.66	<0.01	0.97	8.86	20.5	970	1.57	0.71	6.88	6.71	65.1	47.9	296	53.6	52.9
I077293		0.28	0.41	1.66	0.13	5990	50	0.07	71.2	15.55	2.20	14.20	1.7	7	0.37	17.0
I077294		6.12	<0.01	0.26	6.38	14.1	450	1.79	15.45	8.25	0.47	49.9	45.2	230	33.8	285
I077295		7.24	<0.01	0.05	1.33	7	200	0.35	0.55	27.4	0.04	17.10	5.6	19	1.49	13.9
I077296		4.44	<0.01	0.01	0.07	<5	10	0.05	0.09	20.4	0.06	1.32	1.4	1	0.23	2.7
I077297		6.44	<0.01	0.06	1.08	10	180	0.29	0.35	29.6	0.07	8.92	3.4	30	0.91	5.1
I077298		7.28	<0.01	0.03	0.15	<5	90	0.63	0.07	33.2	0.20	2.38	9.6	4	0.36	20.9

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 28- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10130415

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I077263		1.10	1.45	0.06	0.2	0.015	0.16	4.3	4.2	7.57	477	0.14	0.01	1.7	8.6	300
I077264		3.92	0.75	0.11	0.1	0.058	0.04	4.8	2.0	8.70	1040	0.41	0.01	0.4	6.7	110
I077265		3.25	0.87	0.08	0.1	0.021	0.04	4.6	1.8	10.75	740	0.26	0.01	0.5	3.8	100
I077266		39.9	2.70	0.71	0.2	0.226	0.10	10.1	1.0	1.74	1250	1.27	0.01	0.8	19.2	530
I077267		0.42	0.45	0.09	<0.1	<0.005	0.03	0.8	1.1	11.90	191	0.08	<0.01	0.2	3.0	270
I077268		15.85	1.47	0.23	0.1	0.091	0.07	7.8	1.8	8.12	1060	1.00	0.01	0.6	8.0	300
I077269		6.42	1.14	0.13	0.2	0.039	0.08	6.3	2.2	9.90	911	0.58	0.01	0.8	5.2	240
I077270		18.10	2.06	0.26	0.2	0.084	0.11	5.9	1.6	6.22	2590	2.30	0.01	0.9	10.8	310
I077271		2.09	15.05	0.10	1.0	0.019	3.55	2.2	17.0	0.61	297	25.0	1.14	1.8	13.1	630
I077272		4.70	2.00	0.10	0.2	0.046	0.13	5.1	3.2	10.20	1530	0.22	0.01	0.9	7.5	170
I077273		3.39	1.93	0.08	0.3	0.020	0.12	4.9	3.1	11.10	1100	0.24	0.02	2.3	7.3	140
I077274		6.87	2.04	0.14	0.3	0.018	0.12	5.9	2.9	9.19	1080	0.58	0.01	2.9	13.3	200
I077275		8.04	2.04	0.14	0.4	0.020	0.12	6.6	3.3	9.77	1250	0.68	0.01	2.7	15.7	210
I077276		10.25	4.28	0.17	0.6	0.038	0.42	6.5	4.0	6.69	1300	0.29	0.02	6.2	13.9	330
I077277		7.35	2.99	0.15	0.4	0.024	0.23	5.0	2.2	9.24	1420	0.15	0.03	3.1	12.6	250
I077278		3.53	5.25	0.10	0.7	0.020	0.61	10.0	9.0	10.40	1420	0.19	0.02	10.9	12.7	380
I077279		6.14	4.11	0.15	0.5	0.545	0.45	6.2	5.8	9.20	964	0.23	0.02	7.5	14.8	270
I077280		1.91	2.44	0.07	0.4	0.031	0.30	4.8	5.3	12.05	714	0.15	0.02	4.8	10.2	220
I077281		1.51	3.30	0.06	0.7	0.011	0.79	10.7	7.7	0.94	607	0.54	0.02	11.1	13.3	90
I077282		8.52	19.05	0.21	0.8	0.059	4.62	47.5	22.9	1.54	421	1.52	0.10	47.1	86.1	1990
I077283		5.67	19.40	0.22	2.0	0.052	4.46	66.9	17.1	1.28	1120	1.02	0.33	69.6	59.1	4170
I077284		4.98	7.94	0.11	0.7	0.027	1.79	24.3	12.5	1.02	1270	0.55	0.05	24.5	29.9	560
I077285		0.66	3.94	0.07	0.8	0.023	0.71	15.6	2.7	0.41	843	0.16	0.01	16.5	6.9	340
I077286		0.36	0.72	0.07	0.1	<0.005	0.11	4.0	0.8	0.34	330	0.06	<0.01	1.6	2.7	70
I077287		1.76	4.16	0.08	1.0	0.044	0.76	14.7	6.1	5.31	861	0.14	0.01	7.2	14.3	660
I077288		0.79	0.60	0.06	0.1	0.045	0.09	3.5	0.8	1.03	1540	0.12	<0.01	1.5	1.6	60
I077289		0.69	0.74	0.05	0.2	0.038	0.12	5.1	1.2	0.42	778	0.61	<0.01	2.4	7.8	60
I077290		0.68	1.20	0.05	0.3	0.023	0.17	6.2	2.3	0.70	895	0.29	0.01	2.7	6.4	80
I077291		7.60	14.75	0.19	1.0	0.040	2.70	41.3	29.6	1.99	683	5.41	0.13	31.1	123.0	2000
I077292		7.84	23.2	0.20	2.2	0.079	4.02	33.7	39.0	3.05	1240	0.08	0.45	32.6	249	1290
I077293		10.60	1.21	0.19	0.1	0.127	0.06	5.6	1.9	8.09	4440	2.27	0.01	1.2	7.6	130
I077294		8.00	17.95	0.21	2.0	0.053	3.20	25.3	37.4	3.26	1300	1.17	0.14	27.4	213	1550
I077295		1.29	3.09	0.07	0.7	0.021	0.62	9.0	6.5	1.18	691	0.66	0.02	9.1	17.8	100
I077296		0.43	0.31	0.09	<0.1	<0.005	0.03	0.6	1.1	12.05	183	0.05	0.01	0.4	3.8	190
I077297		1.17	2.36	0.06	0.3	0.016	0.31	4.6	14.8	1.04	305	0.55	0.01	4.5	14.1	30
I077298		0.44	0.42	0.05	<0.1	0.006	0.04	2.6	1.2	0.44	276	0.65	0.02	0.4	15.2	10

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VANCOUVER BC V6B 1L8

Finalized Date: 28- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10130415

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I077263		3.2	8.9	<0.002	0.01	1.08	1.3	2	0.3	71.1	0.09	<0.05	0.4	0.039	0.08	0.2
I077264		42.8	3.4	<0.002	0.02	8.24	0.7	2	1.3	49.6	<0.05	<0.05	0.2	0.006	0.05	0.3
I077265		14.3	3.5	<0.002	0.01	1.05	0.6	2	0.2	37.7	<0.05	<0.05	<0.2	0.007	0.05	0.3
I077266		26.7	7.0	0.010	0.08	18.20	3.7	7	0.6	25.8	<0.05	0.49	0.6	0.008	0.24	3.1
I077267		1.6	1.6	<0.002	<0.01	<0.05	0.4	2	<0.2	46.2	<0.05	<0.05	<0.2	<0.005	<0.02	0.7
I077268		28.8	6.0	<0.002	0.03	2.01	1.4	2	0.5	51.0	<0.05	0.13	0.3	0.009	0.14	1.2
I077269		6.4	7.8	<0.002	0.02	1.70	1.2	3	0.5	84.1	0.05	0.07	0.2	0.016	0.09	0.5
I077270		23.9	7.5	<0.002	0.03	6.10	1.5	3	0.6	49.5	<0.05	0.12	0.3	0.018	0.34	1.4
I077271		5.3	1480	<0.002	0.03	0.81	6.7	1	1.3	54.0	0.21	<0.05	0.5	0.253	12.40	0.2
I077272		21.2	9.1	<0.002	0.02	1.97	1.2	2	0.6	71.4	0.05	<0.05	0.2	0.021	0.12	0.5
I077273		5.4	8.0	<0.002	0.03	1.31	1.2	2	0.6	53.3	0.12	<0.05	0.5	0.036	0.09	0.5
I077274		12.8	8.6	<0.002	0.04	4.49	1.3	2	0.6	42.4	0.16	0.05	0.7	0.040	0.14	0.8
I077275		14.2	8.4	<0.002	0.04	5.31	1.3	2	0.6	44.0	0.15	0.08	0.6	0.037	0.17	0.9
I077276		97.0	23.1	<0.002	0.10	21.7	1.9	4	1.1	32.0	0.32	0.06	1.1	0.078	0.31	1.2
I077277		56.2	16.1	<0.002	0.33	8.21	1.4	5	0.6	126.5	0.16	0.08	0.6	0.042	0.17	0.7
I077278		23.6	30.2	<0.002	0.22	7.46	2.4	2	1.3	77.2	0.61	0.06	1.6	0.129	0.25	0.6
I077279		3.9	18.7	<0.002	4.25	281	1.9	7	14.9	53.6	0.40	0.07	1.2	0.098	0.17	0.5
I077280		2.3	14.1	<0.002	1.41	26.4	1.4	2	0.8	60.2	0.26	<0.05	0.6	0.077	0.15	0.3
I077281		15.1	41.5	<0.002	1.08	0.86	3.2	1	0.9	266	0.61	<0.05	1.9	0.175	0.39	0.5
I077282		4.1	235	<0.002	4.37	0.37	13.9	1	8.2	113.5	2.56	0.12	8.6	0.545	1.58	0.8
I077283		458	418	0.002	1.82	4.08	13.3	2	10.0	101.5	4.12	0.56	10.6	0.815	2.33	1.4
I077284		1240	139.5	<0.002	3.15	7.41	5.0	3	8.4	225	1.36	0.15	5.3	0.282	0.84	0.6
I077285		424	58.0	<0.002	0.44	3.02	1.9	2	5.5	150.5	0.84	<0.05	2.3	0.150	0.44	1.2
I077286		91.5	6.5	<0.002	0.33	0.46	1.0	2	0.5	126.0	0.08	<0.05	0.3	0.031	0.11	0.2
I077287		205	46.6	<0.002	1.59	1.60	3.6	2	2.2	111.0	0.40	<0.05	1.4	0.169	0.83	1.0
I077288		63.2	6.7	<0.002	0.54	0.52	0.5	1	1.2	106.0	0.09	<0.05	0.3	0.015	0.07	0.1
I077289		53.5	8.6	0.002	0.39	0.65	1.0	2	1.8	173.0	0.13	<0.05	0.4	0.038	0.12	1.2
I077290		117.5	13.5	<0.002	0.28	0.96	1.5	2	1.3	356	0.15	<0.05	0.5	0.070	0.13	1.3
I077291		21.4	400	0.002	3.20	0.95	12.9	1	9.5	337	1.79	0.19	6.2	0.656	2.62	1.2
I077292		442	580	<0.002	0.82	4.85	27.7	2	15.1	265	2.02	<0.05	4.8	1.165	4.18	1.0
I077293		102.5	6.0	0.003	8.48	3.18	0.5	1	3.4	106.0	<0.05	0.14	0.7	0.010	0.08	0.4
I077294		28.7	372	0.002	3.21	2.95	21.0	1	15.1	171.5	1.69	0.14	4.0	0.992	3.43	1.3
I077295		4.3	25.5	0.002	0.85	0.25	2.7	2	1.1	254	0.50	<0.05	1.6	0.139	0.17	0.6
I077296		1.6	2.2	<0.002	0.02	<0.05	0.3	1	<0.2	46.2	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
I077297		2.0	11.9	<0.002	0.97	0.60	3.2	2	0.9	237	0.23	<0.05	0.8	0.108	0.25	0.5
I077298		7.5	3.4	<0.002	0.18	0.21	0.6	2	0.3	207	<0.05	<0.05	0.2	0.012	0.03	0.5

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CERTIFICATE OF ANALYSIS VA10130415

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	As- OG62 As % 0.001
I077263		10	1.6	6.6	55	8.2	
I077264		9	8.4	7.8	264	2.8	
I077265		7	8.4	5.9	120	3.9	
I077266		27	580	18.0	855	11.1	1.075
I077267		2	0.3	0.9	15	<0.5	
I077268		16	33.2	11.3	547	5.4	
I077269		14	22.1	8.8	200	6.7	
I077270		13	56.7	10.8	412	9.1	
I077271		53	0.4	7.7	29	37.1	
I077272		11	26.8	7.9	350	9.7	
I077273		11	4.7	7.1	194	13.1	
I077274		16	7.7	8.8	485	15.7	
I077275		16	10.2	9.6	579	14.9	
I077276		18	14.0	9.3	1010	28.1	
I077277		15	7.2	7.8	1060	17.9	
I077278		24	4.6	8.3	330	33.9	
I077279		20	2.3	7.5	164	26.0	
I077280		16	1.4	5.9	49	16.3	
I077281		18	2.1	7.1	22	28.4	
I077282		102	8.2	18.7	15	35.3	
I077283		107	8.8	28.3	1650	90.5	
I077284		36	3.4	9.0	5010	30.8	
I077285		19	2.0	7.1	2370	34.3	
I077286		5	0.7	4.0	434	6.2	
I077287		26	1.3	9.8	994	44.6	
I077288		3	0.3	3.6	718	4.9	
I077289		8	0.9	5.3	621	8.3	
I077290		18	0.8	5.9	676	13.6	
I077291		92	6.5	19.3	225	42.5	
I077292		172	6.9	20.8	2190	87.0	
I077293		7	127.0	6.0	426	4.0	
I077294		197	11.5	18.0	137	83.3	
I077295		17	0.9	5.9	23	27.9	
I077296		3	0.1	0.8	15	0.6	
I077297		15	0.9	3.7	35	11.3	
I077298		3	1.4	3.7	49	1.5	

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CERTIFICATE OF ANALYSIS VA10130415

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 29- SEP- 2010
Account: RCM

CERTIFICATE VA10132858

Project: RAU- NOW

P.O. No.: BATCH 1

This report is for 33 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 17- SEP- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- 31	Fine crushing - 70% < 2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Zn- OG62	Ore Grade Zn - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS VA10132858

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
J980802		3.26	0.11	1.73	5.63	52.1	1750	1.64	0.16	2.83	54.9	56.7	7.1	91	4.83	55.8
J980803		2.72	0.03	2.37	5.31	212	1490	1.03	0.08	0.74	217	29.2	20.3	162	4.23	187.0
J980804		4.16	<0.01	0.18	7.99	173.0	1390	0.79	<0.01	3.94	312	32.1	59.3	245	3.52	97.6
J980805		5.04	<0.01	0.24	7.95	438	1100	0.89	<0.01	5.03	99.6	26.8	39.5	195	3.87	67.9
J980806		4.52	0.02	3.39	6.40	744	1170	0.90	0.15	4.78	46.4	21.6	33.5	155	3.02	86.7
J980807		4.32	0.04	13.10	9.15	563	2660	1.67	0.05	0.52	114.0	33.4	43.6	315	5.02	280
J980808		3.54	<0.01	0.07	0.09	<5	30	<0.05	<0.01	20.4	0.50	1.62	1.0	2	0.19	2.0
J980809		3.40	<0.01	7.66	8.06	709	3200	1.45	0.02	1.96	95.0	25.2	55.7	315	4.55	147.0
J980810		0.90	<0.01	1.41	8.41	756	2420	1.75	0.17	3.01	318	30.6	74.0	311	4.39	102.0
J980811		3.40	0.10	5.56	7.66	1090	1920	1.20	3.63	1.50	90.6	29.9	38.7	299	3.71	210
J980812		3.62	0.01	3.02	7.51	573	2020	1.29	0.04	5.93	52.5	28.4	48.4	175	5.07	148.0
J980813		2.02	0.04	14.60	5.75	508	1870	1.51	0.18	0.40	221	20.2	38.7	192	4.70	289
J980814		3.94	0.75	15.05	9.61	988	590	2.14	2.50	2.38	75.8	36.8	26.1	292	7.21	137.0
J980815		3.78	0.29	27.5	8.10	1560	1180	1.51	2.13	3.72	129.0	29.7	29.5	268	5.47	467
J980816		0.28	0.40	8.07	5.48	9.6	90	1.02	1.18	1.39	0.89	22.3	8.1	32	21.7	15.8
J980817		4.22	0.06	4.49	7.05	1025	840	1.04	0.17	3.37	239	26.6	64.3	224	2.67	130.0
J980818		4.60	0.01	1.29	7.77	1110	810	0.84	<0.01	3.83	95.8	25.3	49.8	246	2.34	95.3
J980819		4.38	0.01	0.82	7.47	619	520	0.57	<0.01	6.59	47.7	25.3	43.4	201	1.66	84.0
J980820		2.20	<0.01	0.58	7.77	845	3060	1.65	0.02	3.87	104.5	29.9	54.9	270	5.36	249
J980821		2.00	0.01	5.11	5.27	210	2500	1.84	0.03	0.11	21.3	60.5	15.2	101	3.35	64.0
J980822		2.28	0.03	10.25	7.82	472	2500	1.89	0.05	2.44	209	31.9	66.9	222	4.32	143.0
J980823		3.64	<0.01	0.07	0.09	<5	30	<0.05	<0.01	20.4	1.18	1.65	1.2	2	0.22	2.3
J980824		1.24	0.02	6.03	9.05	646	3700	2.68	0.02	0.16	75.5	32.8	33.7	308	5.86	126.5
J980825		3.10	0.01	0.19	7.55	258	1610	1.01	<0.01	6.17	104.0	28.0	67.9	227	3.91	90.3
J980826		2.62	<0.01	0.30	8.05	317	810	0.78	<0.01	6.13	50.8	27.0	65.1	220	2.87	120.5
J980827		2.08	0.01	0.80	7.61	1180	1050	0.74	<0.01	5.66	11.75	28.4	40.2	168	3.56	90.5
J980828		3.64	<0.01	0.31	3.51	83.5	1250	0.91	0.01	9.68	7.22	34.5	8.9	60	3.03	13.1
J980829		2.20	0.01	0.27	2.85	286	990	0.59	0.10	10.40	14.75	16.00	28.4	67	2.23	28.9
J980830		3.38	<0.01	0.50	0.06	24.1	30	<0.05	4.53	0.06	0.68	0.90	1.2	38	0.17	8.0
J980831		4.28	0.02	1.05	6.32	701	1410	0.85	1.20	6.59	9.46	23.7	48.3	163	3.47	104.5
J980832		4.82	<0.01	0.30	6.90	578	410	0.52	0.03	6.64	7.53	24.5	47.9	198	1.46	100.5
J980833		0.26	8.71	23.3	5.21	6.9	70	1.35	0.89	1.40	0.08	6.69	8.0	37	58.9	17.5
J980834		4.92	0.01	0.34	6.96	669	940	0.72	0.01	7.52	6.30	24.4	48.8	169	1.53	82.0

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CERTIFICATE OF ANALYSIS VA10132858

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
J980802		3.82	17.15	0.12	2.1	3.04	2.43	33.1	32.2	1.27	639	40.6	0.14	12.3	45.7	530
J980803		7.30	14.40	0.15	1.0	7.38	1.57	15.0	15.5	0.34	739	32.9	0.33	2.0	216	1080
J980804		7.47	20.8	0.14	0.4	0.084	1.32	15.0	39.1	1.35	1420	2.40	2.35	2.9	442	1000
J980805		7.17	20.6	0.13	0.4	0.071	1.63	12.3	52.9	1.56	1160	2.06	1.62	3.1	282	820
J980806		6.59	14.75	0.12	0.7	5.30	1.52	9.9	35.2	1.57	1120	23.1	1.00	2.1	187.5	660
J980807		10.00	23.8	0.15	0.7	10.10	2.52	15.7	39.1	0.22	887	25.7	0.71	1.9	490	1770
J980808		0.46	0.31	0.08	<0.1	0.039	0.03	0.7	1.2	12.10	185	0.24	0.02	0.2	3.1	250
J980809		8.46	21.7	0.15	0.4	0.381	2.80	10.5	23.6	0.42	1510	11.35	0.47	1.7	469	1010
J980810		11.95	24.8	0.18	0.4	7.08	2.98	14.2	18.5	1.45	2130	35.9	0.46	1.2	583	950
J980811		11.95	23.0	0.19	0.4	57.4	2.79	14.8	17.1	0.74	1320	47.8	0.40	1.4	323	860
J980812		6.99	18.60	0.12	0.9	0.258	2.19	13.3	26.8	2.16	1350	2.76	0.85	3.4	386	760
J980813		6.56	15.55	0.11	0.3	9.39	2.22	9.6	9.0	0.24	1200	53.1	0.19	2.1	273	670
J980814		9.25	31.3	0.30	0.6	70.1	3.62	17.7	22.0	1.22	683	49.6	0.53	3.4	172.5	1130
J980815		10.40	21.0	0.23	0.5	46.9	2.93	14.3	18.0	1.68	1380	43.3	0.44	1.9	178.5	1180
J980816		2.20	15.35	0.10	1.6	0.315	3.52	12.2	9.0	0.63	304	10.00	1.39	2.2	9.6	470
J980817		12.80	17.75	0.19	0.4	3.30	1.76	12.6	42.2	1.55	4630	12.20	0.80	1.1	387	800
J980818		10.45	19.70	0.17	1.1	1.390	1.03	11.9	83.6	1.52	1720	8.28	1.46	2.0	387	800
J980819		6.87	17.35	0.12	0.7	0.129	0.90	11.7	75.0	2.05	1550	1.48	1.88	3.5	275	750
J980820		9.22	19.35	0.16	1.7	0.251	2.76	14.1	22.7	1.18	1520	4.30	0.59	3.0	506	890
J980821		7.13	18.00	0.17	2.3	1.435	2.11	34.7	19.0	0.20	7500	2.48	0.17	4.6	144.5	490
J980822		13.05	22.0	0.23	0.9	4.43	3.06	16.0	23.7	0.63	23500	3.14	0.30	1.7	367	1280
J980823		0.47	0.41	0.06	<0.1	0.035	0.03	0.8	1.1	12.10	226	0.10	0.02	0.2	3.8	340
J980824		10.05	26.0	0.17	0.8	0.278	3.62	15.6	45.9	0.35	812	11.60	0.29	2.4	336	1740
J980825		6.96	18.35	0.14	1.7	0.072	1.88	13.1	22.5	1.40	2360	4.91	2.09	3.7	434	990
J980826		7.89	19.00	0.13	0.8	0.101	1.05	12.5	43.7	1.51	1640	4.52	2.98	2.1	460	900
J980827		6.97	18.40	0.12	1.3	0.112	1.38	13.1	29.1	2.53	1070	1.75	2.36	2.9	263	810
J980828		3.66	10.05	0.10	1.2	0.051	1.52	21.2	18.8	4.97	1920	3.55	0.09	2.6	56.9	1020
J980829		5.88	7.67	0.10	0.6	0.039	1.15	9.2	12.2	4.39	6620	4.07	0.10	1.4	164.0	2740
J980830		0.76	0.29	0.05	<0.1	0.025	0.02	0.5	0.8	0.02	100	0.27	0.02	0.2	10.6	20
J980831		6.27	15.90	0.13	0.7	0.065	1.61	10.9	41.5	2.42	1100	0.91	0.77	3.0	459	690
J980832		6.99	16.95	0.12	0.7	0.056	0.46	11.2	96.1	3.21	1300	2.62	1.63	2.9	362	680
J980833		2.14	14.50	0.09	0.9	0.026	3.49	2.7	18.6	0.62	300	18.15	1.24	1.7	14.3	640
J980834		6.88	16.65	0.12	0.6	0.051	0.60	11.3	84.2	2.70	1300	0.94	1.51	4.0	313	720

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Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
J980802		942	96.6	<0.002	0.07	90.8	11.8	4	3.7	92.4	0.75	0.25	7.6	0.344	0.86	2.8
J980803		1045	63.3	<0.002	0.04	118.0	15.0	13	2.7	52.3	0.12	0.14	2.6	0.104	0.97	10.8
J980804		84.3	48.2	0.007	0.34	43.8	23.8	4	0.6	242	0.16	<0.05	1.2	0.157	2.28	4.8
J980805		29.1	69.5	0.002	0.39	12.50	22.8	3	1.1	231	0.17	<0.05	1.2	0.209	1.87	2.5
J980806		401	63.9	<0.002	1.42	57.9	18.5	2	10.3	241	0.11	0.07	1.1	0.131	0.87	2.9
J980807		332	95.3	0.002	0.08	100.5	29.4	5	2.8	295	0.10	<0.05	1.4	0.130	1.88	19.4
J980808		3.0	1.8	<0.002	0.02	1.04	0.4	1	<0.2	50.0	<0.05	<0.05	<0.2	<0.005	0.02	0.7
J980809		67.8	92.7	<0.002	0.42	19.65	26.1	5	3.2	138.5	0.10	<0.05	1.2	0.114	1.43	11.8
J980810		186.5	94.4	<0.002	1.28	49.9	30.3	12	7.7	167.0	0.06	<0.05	1.3	0.084	1.43	10.6
J980811		864	103.5	<0.002	1.21	98.0	26.1	14	67.2	100.5	0.08	0.19	1.4	0.116	1.51	9.1
J980812		94.3	95.1	<0.002	1.38	36.1	21.5	4	2.6	219	0.19	<0.05	1.3	0.196	1.88	2.4
J980813		1390	94.6	<0.002	0.86	81.5	17.0	4	22.0	44.6	0.10	<0.05	1.0	0.129	1.34	8.3
J980814		1975	108.0	<0.002	3.01	87.8	30.4	36	307	218	0.18	0.44	1.7	0.190	4.76	8.4
J980815		3450	91.9	0.002	2.23	239	25.2	29	161.0	232	0.10	0.47	1.2	0.129	1.80	6.5
J980816		32.9	820	<0.002	0.01	3.09	7.5	1	2.1	61.3	0.22	<0.05	1.3	0.253	6.80	0.7
J980817		301	74.5	<0.002	2.76	59.6	22.5	11	15.9	227	0.06	<0.05	1.1	0.081	1.13	7.6
J980818		147.5	43.5	0.002	1.76	31.1	22.3	8	3.4	290	0.11	<0.05	1.2	0.129	0.91	6.6
J980819		34.6	39.6	0.003	0.77	16.55	21.2	2	1.8	311	0.20	<0.05	1.2	0.194	1.07	2.0
J980820		104.5	100.0	0.002	0.76	36.0	25.1	5	2.1	135.0	0.16	<0.05	1.4	0.184	1.67	5.5
J980821		86.4	82.4	<0.002	0.10	32.1	11.5	6	5.6	58.3	0.27	<0.05	7.4	0.117	0.88	6.6
J980822		356	106.5	<0.002	1.19	100.0	23.8	13	59.7	122.5	0.08	<0.05	1.2	0.128	1.29	6.2
J980823		3.7	2.0	<0.002	0.01	1.09	0.4	1	0.4	48.8	<0.05	<0.05	<0.2	<0.005	0.02	0.7
J980824		324	116.5	<0.002	0.08	180.5	27.9	3	3.5	79.4	0.10	<0.05	1.3	0.163	1.62	7.2
J980825		16.5	71.9	0.019	0.62	55.3	22.3	5	0.7	208	0.19	<0.05	1.3	0.189	1.59	4.2
J980826		12.7	40.9	0.005	0.58	47.5	22.4	4	0.6	225	0.12	<0.05	1.1	0.119	1.62	4.5
J980827		23.7	52.7	0.004	1.75	32.1	21.5	5	1.2	231	0.17	<0.05	1.3	0.173	1.56	2.0
J980828		29.7	58.2	<0.002	0.37	12.45	6.5	4	1.5	404	0.15	<0.05	4.4	0.078	0.58	1.5
J980829		25.4	41.1	<0.002	0.49	17.15	7.7	2	0.8	324	0.07	<0.05	1.1	0.071	0.51	2.1
J980830		31.7	1.0	<0.002	0.02	16.95	0.4	1	0.3	2.9	<0.05	<0.05	<0.2	0.005	0.04	0.2
J980831		21.0	60.5	0.007	1.38	26.2	19.0	2	1.4	317	0.17	<0.05	1.0	0.177	2.22	1.2
J980832		13.7	25.7	0.007	0.91	9.70	20.6	1	0.7	355	0.16	<0.05	1.1	0.166	0.80	2.0
J980833		6.5	1560	<0.002	0.03	0.79	7.2	1	1.0	71.0	0.18	<0.05	0.5	0.244	13.75	0.2
J980834		13.9	24.4	0.007	2.09	10.25	20.1	1	0.8	379	0.22	<0.05	1.1	0.220	0.94	1.6

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CERTIFICATE OF ANALYSIS VA10132858

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	Zn- OG62
	Analyte	V	W	Y	Zn	Zr	Zn
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
J980802		141	2.3	9.9	1270	70.9	
J980803		121	6.2	21.9	6410	37.8	
J980804		157	0.5	12.4	9080	16.0	
J980805		154	0.6	7.8	2410	13.0	
J980806		121	0.7	9.5	2450	23.7	
J980807		192	0.8	23.9	5450	43.0	
J980808		3	0.1	1.1	29	0.5	
J980809		169	0.8	21.2	8890	15.5	
J980810		173	1.3	19.7	>10000	35.5	2.67
J980811		155	1.6	12.4	6330	18.4	
J980812		146	1.0	10.6	3280	37.9	
J980813		120	1.8	10.2	>10000	17.3	2.41
J980814		211	3.2	10.4	3500	30.0	
J980815		163	2.1	12.4	6640	22.4	
J980816		55	0.4	11.4	39	54.1	
J980817		152	1.1	14.6	>10000	18.8	2.09
J980818		150	0.8	14.6	8170	43.7	
J980819		138	0.6	10.0	2520	27.0	
J980820		164	0.9	21.1	5140	74.4	
J980821		141	0.9	10.7	1960	80.5	
J980822		170	1.7	23.3	8750	43.7	
J980823		3	0.1	1.0	40	0.7	
J980824		187	1.2	17.5	4460	38.1	
J980825		148	0.6	16.8	4100	62.8	
J980826		146	0.9	11.7	2880	32.1	
J980827		144	0.9	9.4	1320	45.1	
J980828		58	0.8	10.9	585	39.8	
J980829		65	0.7	13.9	1790	20.3	
J980830		2	0.1	0.4	77	0.7	
J980831		134	1.0	10.0	1050	23.6	
J980832		130	0.6	8.3	1320	28.3	
J980833		53	0.3	7.9	32	31.0	
J980834		132	0.8	9.9	1380	27.2	

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 29- SEP- 2010
Account: RCM

Project: RAU- NOW

CERTIFICATE OF ANALYSIS VA10132858

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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Finalized Date: 30- SEP- 2010
Account: RCM

CERTIFICATE VA10132859

Project: RAU

P.O. No.: BATCH 79

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 17- SEP- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- 31	Fine crushing - 70% < 2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
As- OG62	Ore Grade As - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS VA10132859

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
I077299		7.82	<0.01	0.03	7.38	3.8	470	5.34	0.26	4.73	0.18	17.80	27.6	135	16.70	33.5
I077300		7.60	<0.01	0.02	7.68	2.7	450	5.17	0.24	5.29	0.15	18.95	29.3	121	13.15	15.2
I077301		4.56	0.01	0.01	0.09	<5	80	0.18	0.03	19.90	0.07	1.44	0.9	2	0.23	3.4
I077302		4.50	<0.01	0.01	7.69	0.2	340	1.49	0.20	5.13	0.09	22.2	23.7	106	8.33	5.6
I077303		4.06	<0.01	0.04	7.61	1.0	330	14.25	0.30	5.75	0.08	23.3	30.4	93	10.80	96.9
I077304		7.34	<0.01	0.02	0.16	<5	100	0.20	0.13	33.4	0.04	1.87	1.0	5	0.24	6.3
I077305		7.76	0.01	<0.01	0.09	<5	100	0.18	0.03	33.4	0.05	1.60	0.6	2	0.18	1.4
I077306		7.90	<0.01	<0.01	0.08	5	110	0.15	0.06	32.8	0.26	1.28	0.8	3	0.28	1.2
I077307		0.30	1.99	0.25	0.24	>10000	30	0.12	260	12.45	0.24	16.55	2.4	10	1.14	26.7
I077308		7.84	<0.01	0.02	0.16	9	600	0.05	0.10	32.8	0.60	1.68	1.0	4	0.33	9.4
I077309		7.42	<0.01	0.08	0.09	74	50	0.25	0.27	31.1	7.16	2.81	0.8	3	0.59	7.7
I077310		6.88	0.01	0.14	1.11	<5	90	0.74	0.83	27.1	0.09	18.45	39.8	54	6.18	294
I077311		2.08	0.02	2.53	0.64	134.0	20	2.32	19.95	8.43	0.35	13.90	362	15	0.58	5110
I077312		4.72	<0.01	0.01	0.08	<5	20	0.13	0.10	20.6	0.06	1.50	1.3	3	0.19	8.7
I077313		5.88	<0.01	0.06	1.57	5	90	2.33	0.71	25.1	0.06	21.4	17.4	79	13.55	158.0
I077314		4.54	<0.01	0.01	0.57	<5	50	16.90	0.45	31.3	0.03	6.05	1.9	10	12.90	27.8
I077315		3.20	0.04	0.31	2.64	<5	30	3.85	281	22.4	0.09	16.55	40.7	83	4.70	801
I077316		2.70	<0.01	0.02	1.38	<5	120	1.63	1.71	27.1	0.04	11.95	4.4	87	30.2	35.1
I077317		6.72	0.01	0.03	1.07	16	270	0.28	0.33	29.5	0.10	28.3	14.5	16	6.77	5.6
I077318		2.58	<0.01	0.32	9.54	30.4	1880	1.64	0.60	0.62	<0.02	172.0	19.4	541	22.1	76.3
I077319		9.74	<0.01	0.02	11.05	8.3	1740	1.82	0.23	0.38	<0.02	116.5	20.3	524	60.6	44.9
I077320		7.04	0.01	0.12	9.79	5.5	1770	1.98	1.05	0.24	<0.02	92.8	21.8	361	20.2	41.7
I077321		3.52	0.01	0.11	8.36	15.3	1660	1.83	0.71	1.25	0.06	114.0	44.4	345	15.15	57.5
I077322		6.78	0.01	0.03	1.17	15	300	0.37	0.04	31.0	0.17	19.85	7.4	24	1.09	4.8
I077323		0.26	0.38	6.83	5.13	0.3	80	1.05	1.29	1.35	0.02	19.90	8.3	32	20.8	12.7
I077324		8.38	<0.01	0.05	7.20	<0.2	80	0.71	0.26	5.97	0.05	22.8	35.3	177	10.85	30.8
I077325		8.42	0.01	0.03	7.82	<0.2	60	0.83	0.13	4.85	0.07	23.2	42.8	210	15.65	73.2
I077326		4.06	<0.01	0.02	7.27	0.5	60	0.78	0.17	4.66	0.06	21.5	43.2	209	12.95	64.1
I077327		8.52	<0.01	0.03	7.69	1.2	80	0.84	0.06	3.29	0.03	27.6	43.0	173	7.62	113.5
I077328		6.58	<0.01	0.01	8.16	0.8	670	1.13	0.14	2.74	0.04	29.5	45.7	217	7.50	30.4
I077329		7.28	0.01	0.02	7.75	<0.2	480	1.48	0.42	3.61	0.05	41.6	45.5	205	7.12	46.1
I077330		8.66	<0.01	<0.01	8.04	0.2	150	1.23	0.07	3.78	0.04	54.4	52.2	217	8.10	14.2
I077331		8.28	<0.01	<0.01	7.89	<0.2	270	1.33	0.09	3.93	0.03	44.7	48.5	217	15.50	48.4
I077332		8.32	<0.01	<0.01	7.71	<0.2	220	1.22	0.09	4.24	0.05	52.3	49.5	204	6.78	34.1
I077333		5.30	<0.01	0.08	7.73	6.3	240	1.58	0.39	4.82	0.03	38.1	46.5	244	12.55	125.5
I077334		5.42	<0.01	0.01	1.11	<5	70	0.33	0.05	30.2	0.06	11.40	4.1	12	0.63	6.0

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 30- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10132859

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I077299		5.74	19.40	0.09	0.6	0.048	1.63	8.7	49.3	3.55	569	0.57	1.96	9.0	122.0	540
I077300		6.17	19.55	0.13	0.7	0.063	1.54	9.3	40.5	3.85	672	0.93	1.92	8.8	130.5	530
I077301		0.42	0.29	0.06	<0.1	<0.005	0.03	0.7	1.3	11.85	181	0.09	0.02	0.3	2.2	210
I077302		5.36	19.70	0.12	0.7	0.062	0.99	10.8	30.9	3.23	639	1.15	2.57	10.2	104.5	600
I077303		5.30	19.55	0.11	0.7	0.056	0.79	11.5	21.7	2.66	606	0.47	2.72	9.8	95.9	580
I077304		0.25	0.35	<0.05	0.1	0.005	0.06	1.6	1.0	0.43	193	1.07	0.02	0.4	3.8	10
I077305		0.14	0.24	0.07	<0.1	<0.005	0.03	1.8	0.8	0.46	88	1.36	0.02	0.3	2.3	<10
I077306		0.16	0.29	0.08	<0.1	0.014	0.03	1.2	0.8	0.77	110	1.33	0.01	0.3	2.9	<10
I077307		15.55	1.57	0.13	0.2	0.092	0.10	8.1	2.4	7.02	3170	5.04	0.02	1.5	11.7	200
I077308		0.21	0.36	0.06	<0.1	0.047	0.08	1.0	0.9	0.84	297	0.74	<0.01	0.4	2.3	<10
I077309		1.21	0.35	<0.05	<0.1	0.722	0.04	3.6	1.7	0.76	2060	0.08	0.02	0.3	0.6	10
I077310		3.64	2.58	0.05	0.2	0.018	0.44	10.6	13.8	0.73	558	0.53	0.25	6.7	18.6	180
I077311		22.5	1.93	0.20	0.1	0.021	0.03	8.9	3.7	0.29	248	0.85	0.08	1.3	36.3	90
I077312		0.45	0.26	0.07	<0.1	<0.005	0.03	0.7	1.3	12.25	184	0.09	0.02	0.3	3.0	230
I077313		2.32	3.72	0.06	0.3	0.017	0.77	11.0	22.7	1.21	695	0.28	0.27	10.3	31.3	270
I077314		0.49	1.22	<0.05	0.2	0.011	0.29	3.3	25.0	0.68	301	0.75	0.07	1.9	4.4	40
I077315		5.26	6.20	0.07	0.5	0.011	0.18	8.1	12.4	0.76	643	0.98	0.57	15.2	37.9	400
I077316		1.26	3.16	0.05	0.4	0.008	0.85	6.1	23.7	1.49	374	0.87	0.20	5.8	19.2	80
I077317		2.09	2.76	0.06	0.5	0.014	0.50	14.5	8.0	1.33	2390	0.74	0.06	8.7	25.2	390
I077318		13.15	36.6	0.22	0.5	0.117	5.35	88.3	32.2	0.96	282	2.59	0.33	8.6	126.0	2660
I077319		10.90	37.0	0.24	0.4	0.123	5.73	47.7	44.0	1.40	699	1.43	0.16	49.8	107.0	1590
I077320		10.20	33.5	0.20	0.7	0.106	5.43	47.6	35.2	0.95	286	1.78	0.12	15.9	90.8	2050
I077321		9.82	23.6	0.20	3.2	0.073	4.03	58.6	34.9	1.50	768	0.42	0.09	16.5	257	2820
I077322		1.04	3.16	0.06	0.7	0.014	0.55	12.5	3.4	0.35	488	0.19	0.03	7.7	20.8	300
I077323		2.09	14.75	0.09	1.5	0.019	3.40	11.2	9.3	0.60	288	9.80	1.34	2.4	8.8	450
I077324		6.22	20.7	0.11	1.2	0.061	0.76	12.0	31.5	3.82	677	0.93	1.92	9.2	166.5	550
I077325		7.21	19.80	0.12	1.2	0.059	0.68	12.3	30.9	4.61	745	0.49	2.84	10.0	197.0	580
I077326		7.07	20.3	0.11	1.1	0.068	0.65	11.0	31.1	4.36	735	0.54	2.77	10.1	195.0	570
I077327		7.46	19.60	0.11	1.4	0.062	1.01	14.6	38.9	4.69	751	0.12	3.24	12.0	168.0	720
I077328		9.43	23.9	0.15	0.2	0.083	3.86	14.2	75.6	3.16	625	0.13	1.01	12.9	166.0	690
I077329		7.55	21.5	0.14	0.5	0.092	3.12	20.2	60.7	3.43	855	0.18	1.84	24.4	178.5	1180
I077330		7.64	21.5	0.15	2.7	0.071	2.00	28.2	48.2	5.63	1010	0.18	2.38	34.2	211	1590
I077331		7.61	20.5	0.15	0.8	0.060	2.78	23.1	66.9	4.88	796	0.20	1.69	32.2	205	1510
I077332		7.57	21.0	0.15	2.2	0.065	2.13	27.3	47.1	5.28	819	0.13	2.15	33.2	201	1560
I077333		7.99	20.6	0.14	0.7	0.104	1.67	19.2	58.2	3.79	808	5.09	2.42	28.0	219	1260
I077334		0.91	2.70	<0.05	0.4	0.008	0.52	5.9	4.4	0.57	850	2.25	0.04	2.2	13.0	100

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VANCOUVER BC V6B 1L8

Finalized Date: 30- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10132859

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I077299		6.8	99.6	<0.002	0.07	0.42	16.9	1	5.8	166.5	0.50	<0.05	1.7	0.802	1.78	0.3
I077300		7.4	112.0	<0.002	0.07	0.19	17.9	1	6.8	183.0	0.47	<0.05	1.8	0.792	1.48	0.3
I077301		1.5	1.9	<0.002	0.01	0.06	0.4	1	<0.2	50.3	<0.05	<0.05	<0.2	0.005	0.02	0.6
I077302		4.7	65.6	<0.002	0.01	0.11	17.4	1	6.9	212	0.55	<0.05	1.9	0.874	1.09	0.3
I077303		3.4	56.1	<0.002	0.42	0.12	17.4	1	9.7	213	0.52	<0.05	2.2	0.845	0.82	0.4
I077304		1.7	2.9	0.002	0.16	0.07	0.5	2	0.3	235	<0.05	<0.05	0.2	0.013	0.03	0.8
I077305		1.7	1.7	0.002	0.11	0.09	0.4	2	0.4	182.5	<0.05	<0.05	<0.2	<0.005	0.03	0.9
I077306		1.7	2.0	0.003	0.13	0.08	0.4	1	0.7	197.5	<0.05	<0.05	<0.2	0.005	0.03	1.1
I077307		8.1	15.8	<0.002	>10.0	11.30	0.7	2	2.3	92.2	0.06	0.22	0.5	0.020	0.21	0.5
I077308		4.5	3.8	0.004	0.13	0.20	0.3	2	0.8	187.0	<0.05	<0.05	0.2	0.007	0.04	1.0
I077309		13.0	5.6	<0.002	0.59	0.19	0.4	1	2.6	158.0	<0.05	<0.05	0.2	0.005	0.03	0.5
I077310		1.9	53.7	<0.002	1.58	<0.05	5.6	1	1.3	337	0.34	<0.05	0.8	0.213	0.36	0.2
I077311		2.1	6.2	<0.002	9.85	0.15	2.0	2	1.5	79.9	0.06	0.82	0.3	0.027	0.06	0.1
I077312		1.3	1.6	<0.002	0.03	<0.05	0.3	1	<0.2	49.9	<0.05	<0.05	0.4	<0.005	<0.02	2.4
I077313		2.3	113.0	<0.002	0.65	0.06	6.6	1	2.6	267	0.49	<0.05	1.0	0.268	0.81	0.2
I077314		1.1	53.9	<0.002	0.14	<0.05	1.3	1	0.6	261	0.11	<0.05	0.7	0.039	0.27	0.4
I077315		17.2	25.7	<0.002	2.62	5.60	7.6	1	6.6	245	0.83	0.76	1.8	0.328	0.16	0.5
I077316		2.7	97.2	<0.002	0.58	0.08	5.9	1	1.5	303	0.30	<0.05	0.8	0.161	0.67	0.4
I077317		2.3	26.4	<0.002	0.03	0.16	3.3	1	0.6	284	0.45	<0.05	1.5	0.123	0.37	0.6
I077318		2.1	209	0.002	2.27	0.36	37.1	1	3.4	397	0.49	0.08	6.0	0.465	1.98	0.9
I077319		1.1	276	<0.002	0.83	0.14	39.8	1	3.4	105.0	2.93	<0.05	5.3	1.925	2.90	0.8
I077320		1.3	203	<0.002	1.26	0.18	29.7	1	4.8	103.0	0.82	0.06	5.8	0.405	1.57	0.8
I077321		1.6	147.0	<0.002	0.64	0.18	26.9	1	2.9	148.0	0.89	<0.05	7.7	0.482	1.20	1.9
I077322		2.2	19.0	<0.002	0.02	0.42	3.1	2	0.4	222	0.42	<0.05	1.4	0.170	0.15	0.5
I077323		12.7	770	<0.002	0.01	0.65	7.0	1	1.1	58.9	0.22	<0.05	1.2	0.243	6.39	0.6
I077324		5.5	96.9	<0.002	0.04	0.13	18.0	1	5.2	390	0.51	<0.05	2.0	0.691	1.02	0.4
I077325		3.6	123.0	<0.002	0.04	0.08	20.9	1	2.8	507	0.52	<0.05	2.0	0.775	1.41	0.3
I077326		3.7	90.7	<0.002	0.04	0.06	19.5	1	2.8	516	0.54	<0.05	1.8	0.765	1.32	0.3
I077327		3.8	47.5	<0.002	0.02	<0.05	21.1	1	1.6	205	0.64	<0.05	2.5	0.917	0.31	0.4
I077328		4.9	67.1	<0.002	<0.01	0.08	19.8	1	1.7	351	0.74	<0.05	2.4	1.115	0.39	0.5
I077329		4.2	61.5	<0.002	<0.01	0.17	19.1	1	4.9	275	1.37	<0.05	3.1	1.025	0.50	0.6
I077330		2.7	73.9	<0.002	<0.01	0.07	22.7	1	2.8	144.0	1.85	<0.05	3.8	1.175	0.31	0.6
I077331		2.1	92.1	<0.002	0.01	0.06	20.5	1	2.2	118.0	1.67	<0.05	2.8	1.130	0.83	0.5
I077332		3.2	68.3	<0.002	<0.01	0.06	22.0	1	1.6	193.0	1.76	<0.05	3.6	1.110	0.26	0.6
I077333		3.0	69.4	0.002	0.84	0.17	20.1	1	22.3	155.5	1.53	<0.05	2.5	1.035	1.09	0.5
I077334		2.1	14.2	<0.002	0.72	<0.05	2.5	1	0.4	591	0.12	<0.05	1.2	0.089	0.04	0.9

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 30- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10132859

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	As- OG62 As % 0.001
I077299		108	5.5	15.4	86	15.0	
I077300		108	4.9	17.7	87	18.6	
I077301		3	0.1	1.0	16	<0.5	
I077302		112	5.9	17.5	70	20.9	
I077303		109	11.6	19.2	61	17.1	
I077304		4	0.3	2.2	8	1.8	
I077305		5	0.2	2.6	5	1.2	
I077306		5	0.2	1.4	52	1.0	
I077307		8	59.7	7.6	59	6.9	2.71
I077308		4	0.3	0.9	126	1.6	
I077309		3	0.2	4.7	1820	1.0	
I077310		27	20.3	8.3	13	12.5	
I077311		8	150.0	2.4	34	2.9	
I077312		3	0.5	0.9	16	<0.5	
I077313		34	3.3	7.9	17	15.2	
I077314		5	1.2	2.3	3	6.0	
I077315		38	5.2	7.2	13	18.2	
I077316		26	1.7	4.1	9	11.7	
I077317		18	0.3	15.5	18	21.7	
I077318		252	1.4	8.5	33	18.5	
I077319		251	0.6	16.3	53	16.0	
I077320		190	1.0	7.8	28	30.3	
I077321		140	0.9	20.5	43	136.5	
I077322		25	0.4	9.6	33	25.1	
I077323		53	0.3	10.8	26	51.5	
I077324		125	0.7	17.1	78	37.1	
I077325		135	0.4	18.0	94	33.7	
I077326		137	0.5	17.0	93	30.9	
I077327		140	0.4	21.0	106	51.7	
I077328		138	0.7	19.4	101	5.3	
I077329		141	0.8	19.6	134	9.0	
I077330		145	0.7	21.8	118	103.0	
I077331		148	0.9	18.8	92	22.9	
I077332		152	1.6	21.1	108	68.1	
I077333		116	3.1	17.5	100	18.6	
I077334		15	0.1	4.0	17	16.2	

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 30- SEP- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10132859

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7- OCT- 2010
This copy reported on
16- NOV- 2010
Account: RCM

CERTIFICATE VA10135267

Project: RAU

P.O. No.: BATCH 85

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 22- SEP- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- 31	Fine crushing - 70% < 2mm
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
As- OG62	Ore Grade As - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10135267

Sample Description	Method	WEI- 21	Au- AA26	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
I077515		8.30	0.22	0.10	0.17	919	10	0.10	247	15.90	0.42	29.0	1.9	2	0.52	2.3
I077516		8.28	0.17	0.15	0.17	877	10	0.05	62.7	15.05	0.39	17.85	2.3	2	0.26	2.3
I077517		9.28	1.71	0.19	0.14	>10000	10	0.06	177.0	12.50	0.14	16.10	3.1	1	0.78	2.5
I077518		5.12	0.01	<0.01	0.10	66	20	0.12	0.38	20.8	0.07	1.31	1.4	3	0.18	1.8
I077519		7.32	0.04	0.47	7.50	55.4	1300	1.76	4.40	6.94	0.04	113.5	15.0	55	41.1	19.4
I077520		7.20	0.10	0.52	6.44	280	210	1.33	13.55	8.23	0.05	98.3	37.3	42	25.9	21.0
I077521		3.90	0.04	0.30	0.09	156	10	0.18	907	17.95	0.19	9.15	3.4	<1	0.52	3.6
I077522		4.06	<0.01	<0.01	0.08	<5	30	<0.05	1.03	37.3	0.04	2.43	0.8	1	0.05	0.9
I077523		1.80	0.35	3.87	0.08	984	450	0.06	14.95	18.85	60.4	6.33	3.3	2	0.16	29.0
I077524		6.52	0.77	13.05	0.54	664	570	0.25	11.90	17.25	2.15	4.27	7.3	11	0.50	1010
I077525		5.58	0.12	0.23	0.19	131	170	0.09	9.03	18.40	0.40	6.18	2.0	8	0.21	7.2
I077526		4.12	0.35	0.48	0.44	366	70	0.11	37.2	11.15	0.05	4.28	0.9	11	0.31	13.1
I077527		8.20	0.20	0.41	0.73	125	270	0.30	13.75	17.10	2.32	6.98	3.1	22	0.69	12.0
I077528		2.28	0.02	0.12	1.21	57	200	0.25	0.15	31.0	0.08	20.9	2.7	12	0.51	4.3
I077529		6.54	<0.01	0.25	4.81	203	1040	0.67	13.90	18.60	0.06	38.2	33.4	194	26.0	58.9
I077530		6.58	0.01	0.04	0.22	47	80	0.07	0.16	35.2	0.14	6.09	2.5	3	0.14	9.3
I077531		9.12	0.03	0.28	0.28	300	150	0.10	0.32	29.7	0.51	4.01	2.1	6	0.52	4.6
I077532		0.28	0.34	6.61	5.20	1.6	70	0.98	1.11	1.34	0.04	19.35	8.6	31	19.60	13.6
I077533		2.52	0.12	1.42	0.36	535	350	0.12	10.90	34.2	1.02	5.38	1.8	8	0.76	3.2
I077534		9.54	0.28	1.07	0.31	>10000	980	<0.05	740	0.45	2.91	6.58	2.1	19	0.29	9.9
I077535		8.68	5.74	5.73	0.42	>10000	3340	0.28	1950	0.71	5.32	8.83	2.9	10	0.52	13.6
I077536		4.04	0.81	0.48	0.44	>10000	550	0.12	242	0.89	2.79	16.00	3.2	8	1.12	5.6
I077537		7.10	0.01	0.01	0.08	90	20	0.05	3.29	20.7	0.07	1.49	1.4	1	0.15	2.2
I077538		7.70	0.89	0.63	0.69	>10000	390	0.15	374	1.04	3.55	18.25	3.0	10	1.27	8.1
I077539		4.50	0.74	0.63	0.69	>10000	440	0.19	336	1.04	3.84	20.0	3.3	11	1.11	9.6
I077540		7.78	0.54	0.19	0.82	>10000	290	0.26	30.0	17.00	0.93	10.15	5.0	11	1.11	4.7
I077541		8.96	0.28	0.59	5.77	5360	1990	1.06	10.85	6.61	0.44	28.3	11.5	101	5.39	20.4
I077542		8.08	0.25	0.35	3.70	4990	1630	0.76	15.85	9.74	0.47	32.7	8.1	36	2.61	11.8
I077543		4.42	0.10	0.21	0.80	2870	440	0.27	5.27	15.10	0.33	7.36	4.2	14	0.92	3.5
I077544		3.88	1.24	0.72	1.53	>10000	600	0.29	263	1.18	3.97	16.00	6.1	18	1.79	20.6
I077545		5.94	0.20	0.13	1.44	9190	620	0.47	20.0	14.10	2.43	11.10	4.5	22	1.80	9.2
I077546		0.34	3.06	1.75	6.59	2010	360	1.18	3.12	2.07	1.13	34.2	51.7	581	4.81	1080
I077547		4.52	0.37	0.24	2.04	>10000	1060	0.64	34.2	10.20	3.98	18.15	5.2	31	3.11	19.5
I077548		5.04	0.82	0.34	1.66	>10000	550	0.37	167.0	2.00	7.08	22.4	3.7	38	1.99	29.5
I077549		8.66	2.56	0.32	2.30	>10000	530	0.57	71.8	0.74	14.50	30.3	6.1	22	1.22	45.3
I077550		9.60	1.61	0.25	1.35	>10000	530	0.41	32.0	0.73	11.65	28.0	4.9	25	0.50	130.5

Comments: **CORRECTED COPY FOR Au- AA26 ON SAMPLES I077515 TO I077550**

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10135267

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I077515		10.25	1.11	0.11	0.1	0.047	0.02	18.0	2.4	9.48	3030	0.19	0.02	0.8	4.3	130
I077516		12.15	1.06	0.18	0.1	0.049	0.01	9.7	1.8	9.08	3410	0.14	0.02	0.6	5.6	150
I077517		14.90	1.05	0.30	0.1	0.079	0.03	8.8	2.0	7.75	2780	0.12	0.01	1.3	6.9	150
I077518		0.49	0.33	0.05	<0.1	<0.005	0.04	0.6	1.1	12.45	212	0.19	0.01	0.3	2.6	180
I077519		9.88	29.2	0.30	0.2	0.122	4.65	56.9	49.8	2.33	799	0.24	0.08	69.2	77.6	1810
I077520		12.40	22.7	0.31	0.4	0.106	3.93	50.4	45.9	2.34	1060	0.22	0.06	41.5	84.6	3470
I077521		6.63	0.88	0.13	0.1	0.109	0.03	3.5	1.9	9.21	7410	0.07	0.01	0.4	5.6	210
I077522		0.26	0.22	<0.05	<0.1	<0.005	0.03	2.9	0.2	0.36	234	0.05	<0.01	0.6	1.2	90
I077523		10.05	1.08	0.17	<0.1	3.58	0.03	3.9	1.9	6.89	6930	3.06	0.02	0.6	16.6	30
I077524		4.91	1.77	0.08	0.2	0.118	0.16	2.8	6.1	9.97	900	6.64	0.02	0.9	21.7	30
I077525		3.16	0.83	<0.05	0.1	0.045	0.10	3.6	3.0	10.55	857	0.52	0.01	1.0	4.6	30
I077526		12.35	2.78	0.25	0.1	0.081	0.18	2.0	2.5	6.09	1400	0.48	0.01	1.2	2.7	40
I077527		3.97	2.55	0.06	0.3	0.029	0.27	4.1	6.0	10.15	723	0.32	0.02	3.4	12.4	80
I077528		0.94	3.11	<0.05	0.4	0.012	0.62	12.7	2.8	0.75	355	0.40	0.02	8.5	5.9	200
I077529		7.42	13.25	0.14	0.4	0.039	2.56	20.6	22.1	1.24	853	1.13	0.06	22.3	168.5	1040
I077530		0.47	0.43	<0.05	0.1	<0.005	0.06	4.1	0.4	0.25	210	0.08	0.01	1.2	11.0	120
I077531		1.00	0.82	<0.05	0.1	0.007	0.10	3.7	1.7	4.22	253	0.16	0.02	1.4	6.9	120
I077532		2.04	16.10	0.05	1.3	0.020	3.52	11.2	8.7	0.62	299	8.97	1.29	2.4	7.9	460
I077533		1.85	1.05	<0.05	0.1	0.008	0.17	5.3	1.9	1.30	301	0.22	0.01	2.1	5.6	120
I077534		50.0	2.05	0.74	0.2	0.055	0.06	2.9	0.5	0.16	835	6.07	0.03	0.7	9.0	560
I077535		39.0	3.22	0.96	0.4	0.129	0.09	4.3	0.9	0.30	821	4.12	0.04	1.2	11.1	150
I077536		44.1	2.81	0.71	0.3	0.249	0.08	6.6	0.8	0.63	1620	0.89	<0.01	1.3	13.6	330
I077537		0.54	0.34	0.07	<0.1	<0.005	0.03	0.7	1.1	12.25	186	0.09	<0.01	0.5	2.0	210
I077538		43.1	4.18	0.73	0.4	0.260	0.10	8.0	0.9	0.56	1710	0.93	<0.01	1.8	10.7	410
I077539		45.2	4.05	0.70	0.4	0.277	0.09	8.8	0.9	0.46	1880	1.00	<0.01	1.7	11.6	440
I077540		10.90	4.40	0.12	0.5	0.091	0.31	4.9	3.4	5.13	1840	0.32	<0.01	3.5	13.0	440
I077541		8.08	21.1	0.14	2.9	0.046	2.70	14.0	23.1	5.36	800	0.40	0.06	39.0	53.6	1100
I077542		8.41	13.75	0.14	1.1	0.047	1.70	17.4	13.2	5.32	962	0.42	0.04	21.3	25.4	1020
I077543		5.53	4.25	0.08	0.5	0.029	0.39	4.4	4.9	8.37	1020	0.25	<0.01	3.9	13.8	320
I077544		37.1	8.02	0.74	0.6	0.227	0.53	7.4	1.8	0.26	1580	1.03	<0.01	1.8	17.6	640
I077545		12.00	6.97	0.15	0.7	0.070	0.59	6.1	5.1	7.68	1070	0.41	<0.01	5.0	16.2	570
I077546		8.38	18.85	0.20	6.3	0.130	1.36	16.0	28.1	2.37	809	7.52	0.83	3.7	493	380
I077547		19.30	9.17	0.35	0.9	0.174	0.72	9.4	6.8	6.26	1400	0.44	0.01	5.6	19.3	800
I077548		41.0	9.42	0.70	0.4	0.415	0.32	10.3	3.6	0.96	1340	0.78	0.01	1.6	14.8	930
I077549		42.0	7.96	0.86	0.7	0.195	0.40	12.7	3.3	0.40	2190	1.10	0.02	3.1	20.6	640
I077550		46.9	7.05	0.90	0.3	0.506	0.20	11.9	1.2	0.25	2320	1.63	0.01	2.2	14.5	550

Comments: **CORRECTED COPY FOR Au- AA26 ON SAMPLES I077515 TO I077550**

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10135267

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I077515		4.8	3.2	0.013	8.23	4.09	0.6	2	0.5	90.1	0.05	0.24	0.2	0.010	0.35	1.7
I077516		4.6	1.2	0.005	9.09	2.55	0.6	2	0.4	90.6	<0.05	0.16	<0.2	0.006	0.32	0.9
I077517		4.6	4.4	0.004	>10.0	7.27	0.5	4	0.5	83.9	0.05	0.67	<0.2	0.022	0.26	0.4
I077518		1.5	2.2	<0.002	0.04	<0.05	0.4	2	<0.2	48.1	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
I077519		1.7	227	0.005	1.19	0.68	15.5	3	4.2	48.7	3.85	<0.05	4.8	1.970	1.69	0.6
I077520		4.0	161.0	0.002	5.28	1.28	13.2	3	6.7	58.7	2.37	<0.05	3.9	1.320	1.22	0.8
I077521		8.6	2.8	<0.002	4.15	12.35	0.8	3	0.7	134.0	<0.05	0.21	<0.2	0.009	0.04	0.2
I077522		0.6	0.9	<0.002	0.10	0.06	0.3	2	<0.2	125.5	<0.05	<0.05	<0.2	0.006	<0.02	0.1
I077523		360	3.9	<0.002	1.74	13.00	0.3	4	22.4	58.6	<0.05	<0.05	<0.2	<0.005	0.10	0.8
I077524		16.9	6.7	0.002	0.46	226	1.2	3	4.3	33.3	0.05	<0.05	0.5	0.022	0.19	0.7
I077525		5.7	4.2	<0.002	2.67	5.36	1.3	3	0.2	51.0	<0.05	<0.05	0.2	0.015	0.08	0.2
I077526		3.3	6.9	<0.002	>10.0	9.95	1.6	13	0.2	62.2	0.05	0.07	<0.2	0.020	0.12	0.2
I077527		15.9	10.0	<0.002	4.18	11.65	2.1	4	0.5	46.5	0.17	<0.05	0.6	0.070	0.25	0.4
I077528		1.8	16.3	0.002	0.05	0.27	2.2	2	0.3	257	0.46	<0.05	1.5	0.109	0.15	0.3
I077529		2.6	209	0.002	0.82	0.66	13.9	2	2.1	222	1.26	0.06	2.7	0.656	1.57	0.9
I077530		1.6	2.1	<0.002	0.01	0.20	0.7	2	<0.2	151.5	0.05	0.05	0.2	0.016	0.02	0.2
I077531		4.7	4.9	<0.002	0.09	0.81	0.9	2	0.2	117.0	0.06	<0.05	0.3	0.027	0.05	0.2
I077532		13.1	770	<0.002	0.01	0.69	7.4	1	1.1	58.6	0.23	<0.05	1.1	0.249	5.98	0.6
I077533		5.3	8.4	<0.002	0.11	0.98	1.1	2	0.3	125.5	0.10	0.06	0.3	0.043	0.07	0.2
I077534		22.7	4.7	<0.002	0.06	20.5	0.7	3	0.5	9.3	<0.05	1.10	0.3	0.011	0.14	3.5
I077535		609	6.3	0.007	0.13	40.4	1.8	10	2.1	32.2	0.05	1.59	0.6	0.029	0.27	4.3
I077536		13.7	9.7	0.004	0.14	19.50	2.1	11	0.5	42.4	<0.05	0.55	0.4	0.016	0.25	2.7
I077537		2.4	1.7	<0.002	<0.01	0.09	0.3	2	<0.2	52.4	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
I077538		25.1	12.6	0.007	0.09	15.45	2.2	7	0.7	45.0	0.06	0.61	1.0	0.026	0.35	3.1
I077539		20.1	12.6	0.004	0.11	16.05	2.6	7	0.6	53.1	0.05	0.46	1.1	0.025	0.40	3.3
I077540		5.7	16.6	0.002	0.01	3.65	1.9	4	0.8	50.7	0.20	0.26	0.9	0.046	0.22	1.0
I077541		2.8	87.3	0.003	0.14	1.53	10.0	2	3.3	56.9	2.11	<0.05	5.8	0.387	0.62	2.3
I077542		6.7	56.1	0.002	0.20	2.43	5.0	3	2.5	88.3	1.18	<0.05	3.7	0.284	0.47	1.4
I077543		3.9	19.0	<0.002	0.01	0.94	1.6	4	0.8	65.8	0.20	<0.05	0.8	0.077	0.14	0.7
I077544		79.8	36.7	0.002	0.06	17.45	3.2	13	1.2	30.2	0.07	0.19	1.2	0.033	0.43	2.7
I077545		24.1	35.4	<0.002	0.02	3.82	2.5	4	1.0	67.3	0.27	0.06	1.4	0.103	0.32	1.5
I077546		232	83.6	0.003	1.49	193.5	23.3	3	3.0	138.0	0.34	1.55	4.9	0.227	0.96	1.7
I077547		8.1	35.1	0.002	0.03	6.90	4.3	4	1.5	50.1	0.31	0.09	1.9	0.137	0.41	2.3
I077548		10.6	19.9	0.002	0.10	15.90	6.0	6	0.9	60.1	0.06	0.21	2.8	0.037	0.40	3.9
I077549		42.6	18.3	0.002	0.05	5.79	3.1	2	1.1	24.7	0.13	0.15	2.2	0.058	0.25	4.8
I077550		12.3	7.8	0.002	0.10	6.00	4.8	3	0.7	43.3	0.06	0.20	1.4	0.033	0.21	5.1

Comments: **CORRECTED COPY FOR Au- AA26 ON SAMPLES I077515 TO I077550**

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10135267

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	As- OG62 As % 0.001
I077515		7	4.9	8.9	105	4.2	
I077516		8	1.6	10.2	189	3.0	
I077517		9	1.8	7.9	110	3.0	2.63
I077518		5	0.1	0.8	18	<0.5	
I077519		152	5.6	18.5	57	8.4	
I077520		144	7.2	18.5	57	15.4	
I077521		6	61.9	19.4	54	0.8	
I077522		4	0.2	5.0	2	1.1	
I077523		10	0.9	5.8	7760	<0.5	
I077524		10	4.3	2.7	738	5.8	
I077525		10	0.7	6.4	172	2.9	
I077526		16	1.0	4.8	15	3.3	
I077527		13	1.6	5.0	314	12.1	
I077528		16	0.4	5.9	26	18.2	
I077529		114	4.1	7.8	38	17.9	
I077530		6	0.5	5.7	22	2.6	
I077531		10	1.2	4.0	94	4.2	
I077532		53	0.4	10.6	29	51.1	
I077533		10	3.1	5.6	103	4.8	
I077534		9	175.0	7.0	291	8.1	1.190
I077535		16	650	6.7	555	17.2	2.63
I077536		23	189.0	18.8	321	10.8	3.41
I077537		4	1.4	1.0	15	<0.5	
I077538		22	500	19.2	222	17.2	3.46
I077539		23	370	21.9	243	16.3	3.66
I077540		17	33.5	10.4	101	18.9	1.045
I077541		67	13.0	14.9	109	140.5	
I077542		48	14.4	10.5	97	47.1	
I077543		17	4.5	5.1	69	19.5	
I077544		33	45.2	19.3	526	24.0	2.22
I077545		30	11.8	9.4	209	29.6	
I077546		148	43.7	13.8	370	268	
I077547		40	26.8	14.9	419	37.0	1.545
I077548		47	94.5	18.9	588	20.0	3.51
I077549		38	19.0	39.4	1630	28.7	3.10
I077550		37	30.1	29.2	1790	12.8	3.18

Comments: **CORRECTED COPY FOR Au- AA26 ON SAMPLES I077515 TO I077550**

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10135267

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 10- OCT- 2010
Account: RCM

CERTIFICATE VA10135268

Project: RAU

P.O. No.: BATCH 84

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 22- SEP- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- 31	Fine crushing - 70% < 2mm
CRU- QC	Crushing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
As- OG62	Ore Grade As - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 10- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10135268

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
I077479		3.90	0.01	0.01	0.06	69	20	<0.05	0.09	33.9	0.05	1.87	1.1	1	<0.05	2.7
I077480		8.12	<0.01	0.02	0.22	46	60	0.07	0.05	35.7	0.10	5.40	1.2	2	0.10	5.6
I077481		6.74	<0.01	0.07	0.99	109	140	0.24	0.13	29.7	0.11	13.85	14.9	14	0.31	7.2
I077482		4.74	<0.01	0.13	7.21	33	1270	1.06	1.08	10.15	0.11	50.2	43.9	246	9.72	59.8
I077483		7.30	<0.01	0.12	6.87	57	1360	1.07	0.18	10.45	0.06	50.5	48.7	219	26.5	21.9
I077484		5.44	<0.01	0.16	8.14	83.6	510	2.20	1.74	5.01	<0.02	101.5	44.3	205	17.55	55.3
I077485		5.10	<0.01	<0.01	0.17	5	40	0.46	0.10	21.0	0.06	1.39	1.8	4	0.20	2.1
I077486		8.66	0.01	0.19	7.48	281	370	1.72	5.20	2.28	0.02	71.8	50.0	161	9.76	26.2
I077487		8.56	0.04	0.17	7.51	55.9	150	1.72	2.56	2.59	0.04	82.0	21.2	154	10.35	27.1
I077488		5.08	0.03	0.10	7.95	34.6	390	2.25	3.57	1.51	0.03	110.5	14.0	151	8.66	14.6
I077489		3.22	0.17	0.17	1.21	7320	140	0.25	53.9	12.70	0.05	19.55	2.1	9	5.33	8.5
I077490		8.98	1.51	0.19	0.52	1200	140	0.13	105.5	12.75	0.06	16.30	1.4	7	3.73	3.3
I077491		9.52	3.29	0.24	0.30	>10000	70	0.07	154.5	11.85	0.04	6.95	0.9	3	2.06	2.5
I077492		0.26	0.45	1.65	0.14	6300	50	0.05	76.7	15.85	2.26	13.30	1.7	8	0.34	19.1
I077493		9.76	4.11	0.13	0.18	>10000	40	0.05	247	11.65	0.05	16.75	0.9	4	0.73	2.8
I077494		10.20	7.59	0.11	0.13	>10000	30	0.07	334	9.82	0.11	60.9	0.8	2	1.01	4.4
I077495		9.86	11.35	0.19	0.10	>10000	20	<0.05	404	11.45	0.05	129.0	0.7	1	0.75	3.8
I077496		9.14	2.06	0.17	0.07	>10000	10	<0.05	235	12.80	0.09	130.0	0.7	2	0.72	3.0
I077497		9.66	2.85	0.17	0.29	>10000	50	0.05	374	10.70	0.06	52.3	0.7	4	2.50	3.0
I077498		8.62	1.06	0.06	0.30	>10000	30	0.09	44.6	14.15	0.04	5.21	1.0	5	3.15	2.2
I077499		8.72	2.03	0.07	0.10	>10000	10	<0.05	216	14.45	0.07	18.05	0.7	2	0.86	3.9
I077500		0.32	1.81	0.40	0.24	>10000	20	0.08	268	13.35	0.24	16.80	2.5	10	1.14	26.9
I077501		8.94	0.76	0.07	0.12	>10000	20	<0.05	167.0	14.15	0.07	74.9	0.6	2	1.16	2.4
I077502		9.10	0.64	0.07	0.14	>10000	10	0.05	122.5	15.25	0.06	119.5	0.8	2	1.25	2.0
I077503		8.74	0.15	0.05	0.06	8190	10	<0.05	73.9	16.85	0.06	56.2	0.4	2	0.46	1.8
I077504		5.22	<0.01	<0.01	0.11	32	20	0.08	0.14	19.75	0.09	1.50	1.3	1	0.21	2.3
I077505		8.40	0.63	0.08	0.13	>10000	20	0.06	40.4	17.05	0.10	13.95	0.6	3	0.93	4.6
I077506		8.86	0.20	0.08	0.10	3580	20	<0.05	141.0	16.90	0.08	18.75	0.5	2	0.66	3.0
I077507		9.18	0.52	0.08	0.32	9070	70	0.07	151.5	15.10	0.07	28.8	0.7	3	1.68	2.9
I077508		4.14	0.49	0.08	0.29	9780	50	0.08	118.5	14.45	0.06	26.3	0.7	3	1.97	2.7
I077509		8.76	0.76	0.06	0.15	6300	20	0.18	1920	15.35	0.11	38.0	1.1	3	1.19	3.3
I077510		8.58	0.54	0.08	0.07	>10000	10	<0.05	131.5	16.10	0.07	79.1	0.7	2	0.62	2.3
I077511		8.64	0.34	0.07	0.14	>10000	20	0.05	179.5	16.40	0.10	11.50	0.6	3	1.35	2.5
I077512		9.12	0.13	4.99	0.07	9540	10	<0.05	162.0	15.45	0.06	7.93	0.5	1	0.49	2.3
I077513		9.12	0.11	0.09	0.08	4640	10	0.05	217	16.80	0.07	45.9	0.6	1	0.80	2.2
I077514		8.74	0.83	0.11	0.06	4580	10	<0.05	109.0	17.05	0.09	8.01	0.6	7	0.57	2.0

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 10- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10135268

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I077479		0.17	0.14	0.05	<0.1	<0.005	0.02	2.0	0.2	1.19	173	0.10	0.01	0.3	<0.2	50
I077480		0.36	0.63	<0.05	0.1	<0.005	0.11	5.1	0.6	0.55	202	0.19	0.01	1.6	4.1	170
I077481		1.62	2.56	<0.05	0.7	0.015	0.36	7.1	2.8	1.18	860	1.07	<0.01	7.4	35.8	230
I077482		4.67	21.4	0.13	0.9	0.061	3.78	24.5	28.5	1.95	1040	1.18	0.14	17.9	140.5	1520
I077483		6.76	20.2	0.18	0.8	0.055	3.27	24.8	38.5	2.84	1440	0.83	0.45	32.6	221	1410
I077484		5.65	25.7	0.23	0.7	0.063	4.98	47.9	40.0	2.01	408	0.93	0.09	40.4	298	3390
I077485		0.44	0.51	<0.05	<0.1	<0.005	0.04	0.7	2.7	12.80	193	0.08	0.01	0.6	4.7	240
I077486		10.80	22.4	0.30	1.0	0.059	4.18	33.8	24.3	1.44	167	1.43	0.07	44.2	181.0	2260
I077487		7.55	21.7	0.22	1.2	0.062	4.37	38.4	30.9	1.10	255	1.44	0.06	52.6	89.7	2860
I077488		3.19	26.7	0.16	0.9	0.060	4.55	53.4	47.3	1.14	94	1.03	0.05	74.9	35.3	1730
I077489		10.45	5.65	0.22	0.6	0.028	0.76	10.7	5.2	7.65	1340	0.17	<0.01	8.2	7.4	230
I077490		11.75	3.18	0.23	0.2	0.052	0.37	8.6	3.6	7.18	2060	0.08	<0.01	2.7	4.2	290
I077491		15.70	2.08	0.27	0.2	0.104	0.20	2.9	2.9	6.40	2080	<0.05	<0.01	1.4	2.7	180
I077492		10.50	1.39	0.15	0.1	0.127	0.05	5.5	1.9	8.48	4600	2.47	<0.01	1.4	6.8	140
I077493		16.85	1.21	0.31	0.1	0.090	0.10	9.7	2.4	6.34	1730	0.05	<0.01	1.8	2.3	110
I077494		21.1	1.50	0.35	0.1	0.094	0.09	38.4	2.1	5.30	1810	0.07	<0.01	1.0	2.7	100
I077495		18.40	1.30	0.37	0.1	0.091	0.06	83.7	1.8	5.92	2230	<0.05	<0.01	1.1	1.8	100
I077496		15.25	1.12	0.31	0.1	0.072	0.05	81.5	2.0	7.06	2440	<0.05	<0.01	0.8	1.1	110
I077497		17.00	2.17	0.29	0.2	0.060	0.23	31.7	2.4	5.69	1910	0.07	<0.01	1.4	2.3	170
I077498		7.76	1.84	0.08	0.1	0.051	0.25	2.5	2.9	7.64	1500	0.24	<0.01	1.1	3.0	150
I077499		14.50	0.86	0.14	0.1	0.072	0.07	9.6	2.5	7.63	2610	0.06	0.01	0.7	0.9	130
I077500		15.70	1.71	0.14	0.2	0.082	0.10	8.1	2.6	7.27	3310	5.27	0.01	1.7	9.4	200
I077501		14.60	1.17	0.17	0.1	0.061	0.10	46.5	2.3	7.51	2480	0.07	0.01	0.6	1.2	120
I077502		11.70	1.41	0.15	0.1	0.054	0.10	76.1	2.5	7.80	2690	0.05	0.01	0.8	2.6	160
I077503		10.75	0.65	0.08	<0.1	0.057	0.04	34.7	2.4	8.87	2920	<0.05	0.01	0.3	<0.2	100
I077504		0.47	0.43	0.44	<0.1	<0.005	0.03	0.7	1.4	11.70	192	0.09	0.02	0.3	3.4	200
I077505		9.67	1.07	0.08	0.1	0.064	0.10	7.2	2.6	8.69	3060	0.12	0.01	0.6	3.0	110
I077506		10.30	0.76	0.08	0.1	0.059	0.06	10.3	2.4	8.99	3020	0.08	0.01	0.5	0.8	90
I077507		12.65	2.16	0.12	0.2	0.060	0.22	16.4	2.8	8.14	2620	0.06	0.01	1.9	1.1	160
I077508		12.15	2.16	0.13	0.2	0.064	0.22	15.2	2.8	8.23	2700	0.08	0.01	1.8	1.1	150
I077509		12.35	1.31	0.16	0.1	0.052	0.10	22.2	0.8	8.29	2870	0.09	0.01	0.6	2.3	130
I077510		12.35	0.84	0.14	0.1	0.066	0.04	50.3	2.0	8.53	2930	0.05	0.01	0.4	1.1	210
I077511		11.10	1.16	0.08	0.1	0.058	0.10	5.7	2.4	8.56	2830	0.07	0.01	0.8	0.5	120
I077512		12.05	0.61	0.11	<0.1	0.058	0.04	3.3	1.9	8.02	2570	0.06	0.01	0.4	<0.2	110
I077513		10.20	0.87	0.10	0.1	0.061	0.05	29.2	2.3	8.67	3080	0.06	0.01	0.4	0.3	170
I077514		9.80	0.56	0.07	<0.1	0.073	0.03	3.3	2.1	8.80	3250	0.07	0.01	0.3	2.3	140

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 10- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10135268

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I077479		0.9	0.5	<0.002	0.05	0.09	0.4	2	<0.2	99.5	<0.05	<0.05	<0.2	<0.005	<0.02	0.1
I077480		1.3	3.6	<0.002	0.23	0.17	0.7	2	<0.2	148.0	0.09	<0.05	0.3	0.026	0.03	0.2
I077481		2.8	9.0	0.003	1.50	2.95	1.9	3	0.2	245	0.41	<0.05	1.4	0.099	0.36	2.2
I077482		3.2	124.0	0.003	2.30	0.82	25.1	2	3.8	151.0	1.14	<0.05	3.6	0.730	0.84	0.7
I077483		2.6	152.0	0.002	0.03	0.33	23.8	3	2.3	215	1.91	<0.05	3.6	1.140	1.31	0.5
I077484		3.0	230	<0.002	3.50	0.73	22.8	2	7.7	61.2	2.16	0.06	5.6	0.814	1.48	0.6
I077485		1.4	2.4	<0.002	0.02	<0.05	0.4	2	<0.2	46.4	<0.05	<0.05	<0.2	0.008	<0.02	1.0
I077486		3.7	184.5	<0.002	>10.0	0.71	14.8	2	4.1	38.1	2.39	0.12	7.7	0.509	1.10	0.8
I077487		1.5	119.0	<0.002	8.09	0.51	14.5	2	3.1	50.0	2.81	<0.05	7.8	0.603	0.93	0.8
I077488		2.2	124.0	<0.002	3.09	0.72	15.7	3	4.9	23.5	4.10	0.05	9.8	0.872	0.81	0.6
I077489		2.7	88.2	<0.002	>10.0	3.39	1.7	5	0.8	79.5	0.48	0.13	2.3	0.079	0.57	0.7
I077490		3.6	66.5	0.002	>10.0	2.15	1.2	4	0.4	92.3	0.12	0.14	0.5	0.036	0.32	0.4
I077491		3.1	18.9	<0.002	>10.0	12.00	0.7	3	0.3	91.2	0.06	0.41	<0.2	0.019	0.17	0.3
I077492		109.5	5.8	0.002	9.17	3.31	0.5	3	3.4	124.5	<0.05	0.10	0.7	0.007	0.07	0.4
I077493		4.0	8.5	<0.002	>10.0	20.7	0.5	4	0.2	75.0	0.07	0.48	0.2	0.016	0.06	0.3
I077494		5.1	8.9	<0.002	>10.0	21.3	0.4	5	1.3	66.8	<0.05	0.54	0.4	0.009	0.08	0.6
I077495		3.9	7.7	0.002	>10.0	18.20	0.5	5	0.5	90.5	<0.05	0.58	2.8	0.011	0.07	1.0
I077496		4.4	8.1	<0.002	>10.0	9.54	0.4	5	<0.2	105.0	<0.05	0.45	2.7	0.005	0.06	0.8
I077497		4.1	33.0	<0.002	>10.0	8.52	0.5	4	0.5	85.3	0.05	0.51	1.4	0.021	0.21	1.2
I077498		2.2	47.5	<0.002	7.18	5.05	0.8	2	0.3	68.1	0.05	0.17	0.2	0.016	0.27	0.3
I077499		3.8	12.1	0.002	>10.0	11.65	0.5	3	0.3	97.7	<0.05	0.28	0.3	0.009	0.10	0.6
I077500		8.5	16.8	0.003	>10.0	11.90	0.8	2	2.4	93.2	0.07	0.23	0.5	0.021	0.21	0.5
I077501		2.9	12.3	<0.002	>10.0	7.10	0.5	4	0.3	103.5	<0.05	0.39	0.9	0.009	0.09	0.5
I077502		3.5	16.3	0.003	>10.0	4.26	0.6	3	0.4	107.0	<0.05	0.27	0.7	0.012	0.14	1.4
I077503		2.9	4.9	<0.002	>10.0	2.24	0.5	3	0.3	122.0	<0.05	0.18	0.6	<0.005	0.04	0.3
I077504		1.4	1.6	<0.002	0.02	<0.05	0.3	1	<0.2	46.3	<0.05	0.06	<0.2	0.006	<0.02	0.7
I077505		5.8	11.0	<0.002	8.29	3.03	0.6	2	0.5	121.5	<0.05	0.12	<0.2	0.012	0.07	0.2
I077506		5.1	7.4	<0.002	>10.0	2.34	0.6	3	0.3	117.0	<0.05	0.14	0.2	0.007	0.06	0.2
I077507		3.1	20.7	<0.002	>10.0	3.87	0.6	3	0.8	107.0	0.10	0.19	0.4	0.025	0.12	0.4
I077508		2.8	25.4	<0.002	>10.0	3.86	0.6	4	0.7	110.0	0.10	0.15	0.3	0.022	0.14	0.3
I077509		7.3	11.7	0.006	>10.0	15.25	0.9	3	0.6	107.5	<0.05	1.13	0.3	0.014	0.13	0.4
I077510		3.8	5.4	0.002	>10.0	3.92	0.5	3	0.4	113.5	<0.05	0.29	0.2	0.006	0.06	1.5
I077511		3.7	14.1	<0.002	>10.0	3.64	0.6	3	0.7	109.5	<0.05	0.30	<0.2	0.013	0.09	0.6
I077512		12.3	4.8	<0.002	>10.0	5.33	0.4	3	0.3	106.0	<0.05	0.30	<0.2	0.005	0.04	0.8
I077513		4.1	9.7	0.003	>10.0	2.94	0.4	3	0.3	116.0	<0.05	0.27	0.3	0.006	0.08	0.7
I077514		3.3	5.2	<0.002	9.32	1.84	0.4	2	0.2	118.0	<0.05	0.25	<0.2	<0.005	0.05	0.2

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 10- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10135268

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	As- OG62 As % 0.001
I077479		1	0.1	2.3	7	1.5	
I077480		3	0.2	5.2	11	6.2	
I077481		14	1.6	5.2	12	27.7	
I077482		235	1.0	17.2	55	36.4	
I077483		231	0.5	17.9	76	34.2	
I077484		129	2.1	18.6	20	27.2	
I077485		3	0.2	0.9	15	0.5	
I077486		105	1.9	15.2	18	48.0	
I077487		140	3.7	17.3	33	53.9	
I077488		147	10.6	17.4	16	37.3	
I077489		17	38.1	7.0	13	21.3	
I077490		12	172.5	8.3	15	9.3	
I077491		9	109.0	8.0	9	6.8	3.96
I077492		8	130.0	6.6	450	3.5	
I077493		7	91.2	6.5	10	4.2	4.16
I077494		6	78.6	6.0	17	4.6	5.32
I077495		6	168.5	6.2	10	3.9	3.93
I077496		6	27.7	7.0	18	2.3	2.48
I077497		8	222	6.3	13	6.2	1.855
I077498		7	73.0	5.0	9	4.9	2.50
I077499		5	358	7.1	14	3.7	3.89
I077500		8	62.5	7.4	62	9.3	2.81
I077501		6	57.6	7.7	15	3.9	2.43
I077502		7	580	8.8	15	4.4	1.550
I077503		5	120.5	8.3	15	1.7	
I077504		3	0.3	1.0	16	<0.5	
I077505		6	68.6	7.0	20	4.0	1.480
I077506		5	111.0	7.8	18	3.8	
I077507		8	52.5	7.8	16	6.6	
I077508		7	24.1	7.8	15	6.7	
I077509		6	310	7.5	21	4.8	
I077510		6	197.5	8.0	17	2.8	1.075
I077511		7	157.0	7.3	21	5.3	1.120
I077512		6	97.7	7.3	13	2.1	
I077513		6	370	10.5	19	2.8	
I077514		5	4.6	8.5	20	2.2	

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 10- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10135268

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7- OCT- 2010
Account: RCM

CERTIFICATE VA10135269

Project: RAU

P.O. No.: BATCH 81

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 22- SEP- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- 31	Fine crushing - 70% < 2mm
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Zn- OG62	Ore Grade Zn - Four Acid	VARIABLE
As- OG62	Ore Grade As - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
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Finalized Date: 7- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10135269

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
I077371		4.70	0.01	0.51	1.30	39	300	0.47	0.74	21.1	3.59	12.80	3.1	11	0.64	4.3
I077372		5.12	<0.01	0.23	1.81	21	510	0.66	1.68	22.2	3.16	16.35	4.0	14	0.89	7.6
I077373		4.74	<0.01	0.07	2.50	11	110	0.69	0.25	26.2	0.06	37.8	11.8	61	1.66	10.8
I077374		4.62	<0.01	0.08	2.54	35	110	0.68	0.36	25.8	0.09	42.9	9.0	40	1.83	9.5
I077375		4.62	0.01	0.10	2.47	14	120	0.62	0.30	25.8	0.06	38.8	8.2	47	1.66	9.1
I077376		4.68	<0.01	0.10	2.18	23	140	0.65	0.49	29.2	0.05	32.9	9.4	46	1.62	9.8
I077377		8.06	0.01	0.13	3.30	25	240	0.89	0.50	24.5	0.11	44.1	13.5	60	2.33	12.6
I077378		3.78	<0.01	0.76	2.89	31	290	0.83	0.43	24.6	0.91	40.8	13.4	59	2.24	13.6
I077379		0.26	1.33	0.56	5.17	80.0	90	1.23	1.22	1.08	0.16	15.45	24.9	166	27.2	494
I077380		4.12	<0.01	0.29	1.27	25	160	0.43	0.50	28.1	2.06	23.8	6.4	36	1.38	7.7
I077381		4.08	0.01	0.14	1.70	40	270	0.54	0.41	28.3	0.30	29.8	10.0	55	1.38	9.6
I077382		4.60	<0.01	0.12	2.01	24	150	0.59	0.42	27.1	0.08	32.7	11.6	78	1.72	10.6
I077383		3.64	<0.01	<0.01	0.08	<5	20	0.05	0.04	20.3	0.05	1.48	1.1	1	0.19	1.8
I077384		7.18	0.07	3.52	0.66	3820	1150	0.36	68.7	24.8	3.58	10.75	4.4	15	1.08	9.7
I077385		2.60	0.08	3.75	1.20	>10000	990	0.53	32.1	15.40	4.88	11.90	5.9	22	0.72	4.6
I077386		5.18	0.31	64.8	1.52	>10000	4480	0.55	1385	10.40	5.23	22.4	7.1	29	1.21	125.5
I077387		5.24	0.16	26.8	1.22	>10000	8080	0.51	596	5.29	7.21	25.6	10.4	32	3.77	58.4
I077388		7.78	<0.01	0.05	0.08	32	30	0.09	1.49	20.1	0.09	1.46	1.2	2	0.16	2.0
I077389		6.32	0.03	2.68	0.54	1600	2860	0.33	14.05	20.6	4.71	10.45	2.2	11	0.84	3.8
I077390		10.20	0.02	0.22	0.79	694	340	0.48	4.22	20.0	1.11	9.05	2.1	12	1.19	3.3
I077391		7.58	0.03	0.44	0.85	1400	520	0.48	3.16	21.0	2.10	8.85	2.5	13	0.77	3.7
I077392		8.88	0.05	0.67	1.15	3760	810	0.51	27.8	18.10	4.41	13.90	4.3	16	2.19	9.0
I077393		4.14	0.05	0.43	0.79	2000	540	0.37	16.45	21.0	2.66	10.40	2.7	10	1.05	4.5
I077394		3.50	0.05	0.78	0.84	1250	400	0.45	2.81	21.6	2.93	8.40	2.5	10	0.82	3.0
I077395		1.76	0.06	2.10	0.86	4340	440	0.48	32.5	21.7	10.05	16.25	3.3	13	1.31	7.8
I077396		9.16	0.03	2.60	0.72	3870	630	0.43	5.90	19.40	8.79	13.65	3.0	10	0.91	10.2
I077397		9.10	0.02	1.00	0.50	1800	500	0.31	1.91	21.4	4.85	10.80	1.8	6	0.40	3.3
I077398		3.48	0.17	11.40	0.64	>10000	1680	0.30	97.6	3.62	61.4	20.6	4.0	9	0.37	16.2
I077399		5.14	0.25	13.50	0.73	>10000	2630	0.46	154.5	7.32	75.1	19.65	4.4	8	0.46	20.5
I077400		6.82	0.03	0.77	0.61	1710	990	0.31	3.02	20.4	17.30	10.95	2.0	9	0.52	4.0
I077401		8.34	0.09	5.51	1.03	4310	2160	0.48	11.85	10.35	102.5	10.30	2.5	15	1.21	33.3
I077402		0.26	0.39	7.45	5.32	5.1	180	1.05	1.31	1.37	0.07	19.90	9.1	30	17.25	15.3
I077403		9.92	0.02	2.38	0.38	2300	3290	0.22	30.1	21.9	12.15	12.50	4.6	4	0.41	8.5
I077404		10.52	0.03	0.43	0.90	599	2680	0.34	15.35	19.75	3.59	19.70	12.7	12	2.93	6.9
I077405		5.26	<0.01	0.32	6.77	45.2	220	1.22	1.53	8.28	0.28	88.5	35.3	83	2.59	82.3
I077406		5.32	<0.01	0.34	6.30	41.0	150	1.12	0.12	8.56	0.53	79.4	34.8	64	2.08	54.0

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10135269

Sample Description	Method Analyte Units LOR	ME- MS61 Fe % 0.01	ME- MS61 Ga ppm 0.05	ME- MS61 Ge ppm 0.05	ME- MS61 Hf ppm 0.1	ME- MS61 In ppm 0.005	ME- MS61 K % 0.01	ME- MS61 La ppm 0.5	ME- MS61 Li ppm 0.2	ME- MS61 Mg % 0.01	ME- MS61 Mn ppm 5	ME- MS61 Mo ppm 0.05	ME- MS61 Na % 0.01	ME- MS61 Nb ppm 0.1	ME- MS61 Ni ppm 0.2	ME- MS61 P ppm 10
I077371		1.02	3.70	0.12	0.3	0.043	0.67	6.1	6.3	8.73	1280	0.18	0.01	1.7	11.9	30
I077372		1.93	4.94	<0.05	0.6	0.040	0.97	8.3	7.8	6.49	2690	0.75	0.02	2.3	13.4	60
I077373		2.37	6.70	0.05	1.2	0.030	1.09	22.3	14.9	1.00	375	0.36	0.03	14.7	28.7	770
I077374		1.96	6.33	0.05	1.1	0.034	1.09	23.6	13.0	0.49	430	0.40	0.03	13.4	21.8	630
I077375		1.71	6.08	0.05	1.1	0.029	1.11	21.8	11.9	0.52	443	0.36	0.03	13.3	19.7	610
I077376		1.60	5.85	0.05	1.3	0.026	1.14	19.7	12.2	0.72	551	0.35	0.03	12.9	23.3	650
I077377		2.39	8.85	0.07	1.3	0.034	1.73	25.9	18.2	0.72	673	0.61	0.04	18.5	34.9	890
I077378		2.59	7.91	0.06	1.3	0.035	1.50	24.5	15.7	0.45	707	0.55	0.03	16.8	31.2	710
I077379		2.12	15.10	0.15	1.6	0.044	3.79	8.9	8.4	0.40	319	5.20	1.26	2.7	503	490
I077380		1.63	3.48	<0.05	0.7	0.021	0.66	21.0	9.5	0.21	773	0.72	0.02	7.1	22.4	340
I077381		1.82	4.75	0.05	1.0	0.022	0.88	22.5	11.4	0.28	536	0.35	0.02	11.2	30.3	470
I077382		2.02	5.47	0.06	1.0	0.025	0.93	21.9	13.2	0.66	441	0.31	0.03	12.9	28.4	620
I077383		0.40	0.36	0.23	<0.1	<0.005	0.03	0.7	1.2	11.80	178	0.11	0.01	0.4	1.4	210
I077384		9.08	3.74	0.08	0.4	0.262	0.24	6.5	1.7	2.82	3400	1.27	0.03	2.6	10.9	350
I077385		26.5	7.76	0.31	0.7	0.140	0.48	7.2	2.9	0.35	3100	2.07	0.03	3.5	18.9	790
I077386		33.1	10.70	0.40	0.9	2.20	0.36	13.1	0.2	0.44	8350	2.82	0.08	2.7	31.1	640
I077387		38.5	8.72	0.52	1.0	1.060	0.68	24.1	2.3	0.45	11950	3.72	0.02	3.1	43.6	830
I077388		0.46	0.41	0.48	<0.1	0.007	0.03	0.7	1.3	11.85	193	0.07	0.01	0.4	3.8	210
I077389		4.27	2.79	<0.05	0.3	0.084	0.23	7.5	2.5	8.18	2830	0.50	0.01	2.4	5.6	180
I077390		2.17	3.96	<0.05	0.5	0.015	0.39	6.5	4.5	10.55	1360	0.22	0.01	4.2	5.6	250
I077391		4.42	4.15	0.06	0.5	0.062	0.38	6.1	3.6	8.75	2410	0.45	0.02	3.6	<0.2	250
I077392		10.60	5.43	0.09	0.5	0.078	0.46	10.0	4.7	7.58	2810	0.92	0.03	3.8	10.1	350
I077393		5.94	3.99	<0.05	0.4	0.060	0.30	7.1	3.7	8.07	2600	0.58	0.03	3.0	1.7	230
I077394		3.62	3.85	<0.05	0.4	0.056	0.39	6.5	4.6	8.73	1480	0.30	0.02	3.7	0.5	260
I077395		10.10	4.04	0.07	0.4	0.132	0.31	11.5	4.3	5.40	1690	0.82	0.03	2.9	5.3	280
I077396		10.70	3.74	0.07	0.4	0.321	0.24	8.8	3.4	7.54	3170	1.15	0.02	2.6	9.6	240
I077397		6.00	2.74	<0.05	0.2	0.129	0.23	7.7	3.5	8.59	2810	0.55	0.02	2.0	<0.2	160
I077398		47.8	4.23	0.57	0.3	0.311	0.26	13.2	1.9	0.40	4350	4.06	0.02	1.0	16.1	300
I077399		41.5	4.60	0.46	0.4	0.315	0.30	14.3	2.0	0.72	4540	3.89	0.02	1.5	16.2	220
I077400		5.65	3.36	<0.05	0.3	0.095	0.27	7.8	3.4	9.56	2090	0.56	0.02	2.7	<0.2	340
I077401		11.80	6.44	0.06	0.5	1.280	0.39	7.0	2.6	4.50	1900	0.83	0.02	3.9	7.6	430
I077402		2.08	15.35	0.18	1.3	0.023	3.55	11.8	9.7	0.63	298	9.77	1.31	2.5	8.2	470
I077403		9.43	1.95	<0.05	0.3	0.255	0.08	8.0	1.5	6.02	5570	1.13	0.04	1.6	4.9	280
I077404		4.21	4.09	<0.05	0.6	0.050	0.18	14.8	5.1	9.13	2140	0.82	0.05	5.3	18.0	510
I077405		5.45	20.2	0.13	1.1	0.092	3.52	43.2	20.7	4.87	600	0.69	0.03	25.8	54.9	2620
I077406		5.91	17.10	0.14	1.7	0.076	3.22	38.8	14.1	4.92	442	1.46	0.03	25.7	48.7	2830

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10135269

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I077371		44.4	27.8	<0.002	0.02	0.81	2.4	1	3.1	132.5	0.10	0.07	1.9	0.054	0.53	0.6
I077372		40.0	40.7	<0.002	0.02	0.85	3.5	2	3.0	116.0	0.14	<0.05	2.2	0.076	0.65	0.9
I077373		4.0	49.1	<0.002	0.06	0.22	6.8	1	0.8	305	0.83	<0.05	2.5	0.372	0.24	0.9
I077374		3.6	48.9	<0.002	0.01	0.95	6.8	2	0.7	439	0.77	<0.05	2.3	0.320	0.22	0.7
I077375		3.3	48.1	<0.002	0.01	1.96	6.5	2	0.6	383	0.76	<0.05	2.3	0.318	0.57	0.7
I077376		5.0	50.3	<0.002	0.01	5.22	6.1	2	0.7	315	0.73	<0.05	2.3	0.319	0.73	1.0
I077377		4.7	74.1	0.003	0.03	4.29	8.6	2	1.0	191.5	1.08	<0.05	3.1	0.469	1.16	1.1
I077378		37.8	66.4	<0.002	0.07	2.84	8.0	2	1.1	80.1	1.00	<0.05	2.8	0.437	0.65	1.0
I077379		179.0	1000	<0.002	0.32	2.70	3.5	2	3.4	64.0	2.63	0.19	2.0	0.087	8.09	0.8
I077380		66.6	33.6	<0.002	0.01	1.65	4.0	3	0.6	90.7	0.39	<0.05	1.4	0.191	0.19	0.8
I077381		15.7	39.7	<0.002	0.03	2.72	5.7	3	0.7	118.5	0.62	0.05	1.8	0.296	0.23	1.0
I077382		4.4	45.0	<0.002	0.06	2.03	6.3	2	0.9	235	0.70	<0.05	1.9	0.347	0.33	0.9
I077383		1.2	1.8	<0.002	0.01	0.21	0.4	1	<0.2	48.0	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
I077384		194.0	24.5	<0.002	0.03	2.75	2.3	2	5.6	33.9	0.13	0.15	0.6	0.060	0.25	0.8
I077385		199.5	36.1	<0.002	0.02	3.23	3.4	2	5.3	27.3	0.19	0.09	0.7	0.094	0.24	1.4
I077386		732	28.0	<0.002	0.10	19.30	4.1	1	11.2	57.2	0.23	0.31	1.3	0.075	0.39	2.4
I077387		980	43.9	0.003	0.19	19.75	6.3	1	10.5	78.1	0.19	0.19	2.0	0.081	0.67	2.7
I077388		3.1	1.7	<0.002	0.01	0.06	0.3	1	<0.2	47.2	<0.05	0.07	<0.2	<0.005	<0.02	0.7
I077389		89.6	20.4	<0.002	0.12	1.46	1.6	2	1.5	350	0.13	<0.05	0.5	0.061	0.20	0.5
I077390		20.3	23.4	<0.002	0.02	1.11	2.1	2	1.1	88.7	0.24	<0.05	0.7	0.104	0.20	0.5
I077391		29.4	26.8	<0.002	0.01	0.74	2.2	1	4.6	78.2	0.22	0.07	0.6	0.091	0.23	0.6
I077392		139.0	32.3	<0.002	0.02	2.22	2.9	1	3.7	67.5	0.22	0.08	0.9	0.094	0.39	1.0
I077393		57.4	20.9	<0.002	0.02	1.10	2.3	1	2.2	74.9	0.17	0.05	0.6	0.069	0.29	0.6
I077394		39.1	31.2	<0.002	0.01	0.57	2.1	1	4.9	81.5	0.22	0.05	0.7	0.091	0.23	0.5
I077395		213	26.8	<0.002	0.01	1.88	2.9	1	7.3	55.7	0.17	0.05	0.8	0.068	0.20	0.9
I077396		419	23.2	<0.002	0.01	1.51	2.2	1	15.1	74.4	0.15	0.07	0.6	0.059	0.33	0.9
I077397		99.7	19.2	<0.002	0.01	0.55	2.2	1	6.4	84.1	0.11	<0.05	0.4	0.043	0.18	0.4
I077398		700	18.2	0.002	0.05	4.65	3.8	1	8.1	36.8	<0.05	0.25	0.2	0.014	0.59	2.0
I077399		991	24.3	<0.002	0.08	8.94	3.4	6	10.6	43.2	0.07	0.29	0.3	0.028	0.35	1.9
I077400		140.5	28.5	<0.002	0.03	0.90	1.6	2	8.7	89.3	0.15	<0.05	0.5	0.059	0.20	0.5
I077401		277	31.9	<0.002	0.14	10.65	2.7	3	18.7	1405	0.24	0.05	0.6	0.085	0.37	1.1
I077402		14.2	770	<0.002	0.01	0.72	8.0	<1	1.2	60.6	0.23	<0.05	1.3	0.247	7.00	0.6
I077403		103.5	11.9	<0.002	0.09	1.22	2.2	1	3.8	88.9	0.10	0.05	0.5	0.028	0.33	0.8
I077404		23.4	30.2	<0.002	0.08	0.59	2.5	1	1.6	80.5	0.31	0.25	1.3	0.107	0.47	0.8
I077405		10.2	58.8	0.004	5.88	8.22	22.3	1	4.3	88.5	1.72	<0.05	5.4	0.739	1.03	0.8
I077406		15.0	46.3	0.008	6.87	11.00	17.8	1	1.8	91.5	1.77	<0.05	4.7	0.768	1.03	1.5

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CERTIFICATE OF ANALYSIS VA10135269

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Zn- OG62 Zn % 0.001	As- OG62 As % 0.001
I077371		13	1.4	4.6	1000	13.0		
I077372		19	1.6	5.3	1660	21.1		
I077373		62	1.6	14.6	42	50.9		
I077374		53	2.2	14.1	53	45.5		
I077375		50	1.6	14.2	32	42.8		
I077376		52	1.5	15.1	20	51.8		
I077377		76	1.9	16.2	89	52.7		
I077378		64	6.3	16.3	191	51.5		
I077379		22	8.1	3.9	151	63.7		
I077380		27	1.2	14.9	199	31.4		
I077381		45	1.7	16.0	116	42.3		
I077382		52	1.9	15.6	55	41.0		
I077383		3	0.1	0.9	15	0.6		
I077384		17	3.2	9.7	862	18.9		
I077385		29	4.2	12.3	2070	30.0		1.085
I077386		44	14.6	18.0	2710	35.2		1.455
I077387		43	18.8	20.6	4100	44.5		1.680
I077388		2	0.2	1.0	23	<0.5		
I077389		14	4.9	7.7	786	14.4		
I077390		19	2.0	6.8	299	21.1		
I077391		20	2.2	7.9	517	20.9		
I077392		22	4.2	12.4	1800	22.9		
I077393		17	2.7	11.2	871	18.0		
I077394		18	2.3	7.5	572	16.7		
I077395		22	4.3	13.9	1880	17.9		
I077396		18	3.4	13.2	2010	19.0		
I077397		14	1.3	8.9	817	11.1		
I077398		22	2.3	21.5	5700	12.0		2.02
I077399		22	10.6	20.6	6390	14.5		1.640
I077400		14	2.9	8.0	1520	14.6		
I077401		25	21.1	11.2	>10000	20.4	1.190	
I077402		53	0.3	11.7	39	50.1		
I077403		16	3.3	11.4	2250	14.6		
I077404		35	1.7	12.2	486	28.2		
I077405		214	1.5	15.8	76	49.0		
I077406		186	0.7	17.1	112	70.6		

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Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 6- OCT- 2010
Account: RCM

CERTIFICATE VA10136190

Project: RAU

P.O. No.: BATCH 83

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 22- SEP- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- 31	Fine crushing - 70% < 2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Zn- OG62	Ore Grade Zn - Four Acid	VARIABLE
As- OG62	Ore Grade As - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS VA10136190

Sample Description	Method	WEI- 21	Au- AA26	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
I077443		7.36	0.03	0.12	0.15	222	240	0.11	53.5	16.90	0.05	19.80	1.7	2	0.33	3.7
I077444		4.94	0.55	0.32	0.15	2850	50	<0.05	814	4.85	0.04	231	2.6	1	0.29	3.9
I077445		6.74	0.45	0.35	0.15	1915	30	<0.05	472	6.96	0.30	>500	12.1	1	0.27	4.9
I077446		5.50	0.07	10.55	0.12	256	60	0.19	22.5	15.90	148.5	16.50	3.5	1	0.28	40.6
I077447		7.00	0.04	3.31	0.34	203	70	0.22	34.3	16.50	29.4	112.0	3.8	2	0.85	18.6
I077448		5.18	0.04	0.16	3.07	77	380	0.92	32.7	14.95	0.22	133.0	22.0	17	18.20	9.3
I077449		4.38	<0.01	0.01	0.07	7	40	0.08	0.32	20.8	0.08	1.63	1.5	1	0.18	2.7
I077450		5.34	0.05	0.23	0.81	374	520	0.31	1.89	33.6	0.79	16.55	4.9	31	0.62	10.6
I077451		7.52	0.68	1.32	1.78	3620	1130	0.49	732	9.46	8.34	19.50	8.8	59	3.89	85.3
I077452		8.22	0.34	2.59	0.17	7430	1420	<0.05	949	0.33	2.92	5.20	1.5	12	0.45	8.1
I077453		3.96	0.38	2.76	0.12	8240	1500	0.06	945	0.39	2.72	4.88	1.3	9	0.21	6.7
I077454		5.24	0.79	8.24	0.17	>10000	1540	0.06	931	0.77	4.40	5.06	1.0	1	0.10	25.6
I077455		9.04	8.26	1.25	0.22	>10000	5860	0.07	626	0.82	5.02	3.46	0.8	5	0.13	20.6
I077456		8.88	1.01	2.79	0.42	>10000	1600	0.10	415	0.72	2.41	6.92	1.6	14	0.27	10.7
I077457		4.12	17.50	51.3	0.74	>10000	300	0.17	3780	0.82	3.59	9.42	0.9	12	0.61	10.1
I077458		4.64	1.03	2.22	1.05	>10000	1660	0.21	1905	0.43	1.13	13.05	3.1	21	1.18	10.2
I077459		0.26	1.46	0.62	4.89	102.0	100	1.27	2.54	0.95	0.10	14.30	25.2	149	21.9	453
I077460		8.68	0.74	1.30	1.99	>10000	310	0.57	102.5	0.49	1.54	27.9	13.6	60	2.58	13.3
I077461		8.12	0.31	1.16	2.98	>10000	1540	0.89	67.9	0.46	2.19	42.8	10.7	66	12.90	17.1
I077462		9.46	0.69	1.22	1.31	>10000	790	0.42	63.2	0.48	4.41	25.6	6.2	31	6.34	19.6
I077463		4.66	1.02	0.63	0.67	>10000	430	0.24	122.0	0.49	4.60	9.06	3.5	17	1.23	9.9
I077464		5.28	3.38	1.67	0.31	>10000	500	0.08	618	0.60	3.21	5.83	1.7	15	0.58	6.8
I077465		7.54	0.01	0.02	0.07	52	80	0.07	0.86	19.90	0.09	1.36	1.1	3	0.12	3.1
I077466		4.16	18.55	10.50	0.73	>10000	1520	0.42	612	0.46	3.11	8.17	2.5	28	1.24	10.1
I077467		10.76	12.45	19.10	0.84	>10000	4110	0.78	309	0.67	11.15	19.05	3.2	35	5.62	21.7
I077468		10.64	10.05	9.94	0.69	>10000	1170	0.88	195.0	0.72	9.95	24.8	5.0	37	3.96	28.2
I077469		10.24	0.61	5.70	0.24	>10000	1970	0.25	207	0.76	6.73	14.05	6.6	11	0.47	14.0
I077470		0.26	8.96	21.3	5.21	12.6	40	1.20	1.04	1.40	0.06	5.71	7.5	35	57.8	17.1
I077471		9.78	0.49	3.35	1.72	>10000	1320	0.91	128.5	0.68	8.27	24.6	11.2	34	2.16	36.1
I077472		7.60	0.59	1.16	2.87	>10000	3930	1.37	66.2	0.37	2.12	27.5	9.5	45	2.52	25.8
I077473		5.74	0.22	1.35	4.13	>10000	4880	2.34	29.1	0.28	1.60	42.3	12.8	50	3.80	30.9
I077474		6.84	0.25	5.76	3.55	>10000	7520	1.83	64.6	0.29	2.94	49.9	22.3	63	3.02	37.6
I077475		6.66	0.11	2.09	6.31	>10000	1050	2.86	41.4	0.31	0.19	36.6	2.0	68	6.57	10.4
I077476		9.14	0.06	0.18	7.31	4520	3630	3.59	6.94	0.13	0.07	17.50	0.6	77	6.93	3.3
I077477		9.02	0.06	0.11	5.99	>10000	2170	1.29	9.25	0.56	3.63	132.0	21.5	46	19.25	48.1
I077478		5.22	0.07	0.93	6.66	>10000	2920	2.16	64.5	2.70	4.86	63.5	6.2	54	7.09	33.8

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CERTIFICATE OF ANALYSIS VA10136190

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I077443		6.44	0.96	<0.05	0.1	0.024	0.03	13.3	2.6	9.97	1080	0.31	0.02	0.7	1.9	60
I077444		33.7	1.57	0.48	0.1	0.014	0.02	156.0	1.0	2.73	410	0.12	0.02	0.9	12.9	100
I077445		27.7	3.45	0.71	0.1	0.026	0.03	530	1.1	3.89	813	0.24	0.02	1.0	26.3	490
I077446		6.20	1.56	<0.05	0.1	0.051	0.02	9.2	3.3	8.44	3350	0.24	0.01	0.6	20.1	90
I077447		7.12	2.56	0.08	0.2	0.023	0.05	71.2	2.8	9.10	2470	0.28	0.03	1.2	21.0	140
I077448		4.51	13.45	0.09	1.6	0.019	2.11	81.5	15.8	8.62	825	0.15	0.02	11.7	36.6	1130
I077449		0.44	0.52	0.38	<0.1	<0.005	0.03	0.8	1.2	12.40	193	<0.05	0.01	0.4	<0.2	190
I077450		1.80	2.55	<0.05	0.5	0.028	0.37	11.3	2.0	0.21	608	0.29	0.01	5.5	0.9	330
I077451		25.6	7.83	0.24	0.9	0.082	0.48	14.2	4.3	0.53	4570	3.48	0.05	5.5	34.6	1220
I077452		>50	0.78	0.56	0.1	0.043	0.04	2.2	0.5	0.15	721	9.44	0.01	1.0	6.2	920
I077453		>50	0.64	0.63	0.1	0.044	0.02	2.0	0.4	0.14	585	8.45	0.01	0.9	5.2	660
I077454		>50	1.00	0.55	0.2	0.100	0.04	2.5	0.4	0.11	533	6.21	0.01	1.0	4.1	140
I077455		>50	1.81	0.54	0.1	0.178	0.09	1.7	0.6	0.07	703	4.36	0.03	0.9	4.3	140
I077456		>50	2.74	0.52	0.2	0.231	0.17	3.0	1.0	0.11	1020	5.61	0.01	1.5	6.6	240
I077457		42.9	4.94	0.62	1.1	0.110	0.96	6.2	4.6	0.13	265	6.90	0.04	2.9	3.3	410
I077458		46.5	5.91	0.69	1.8	0.264	0.48	7.4	1.9	0.21	1500	8.99	0.04	3.6	16.2	310
I077459		1.98	13.60	0.05	1.4	0.041	3.52	8.5	7.8	0.36	279	4.93	1.17	2.7	451	440
I077460		39.3	14.10	0.40	1.4	0.257	1.62	16.9	7.0	0.22	1740	1.47	0.04	5.9	64.6	1020
I077461		31.3	17.65	0.38	1.5	0.224	1.69	21.8	8.2	0.84	1690	0.95	0.04	14.0	37.6	970
I077462		35.6	9.67	0.46	0.8	0.232	0.67	14.7	2.3	0.14	1280	1.62	0.02	3.9	24.5	750
I077463		34.9	5.00	0.41	0.3	0.103	0.26	4.5	1.6	0.12	510	2.66	0.01	1.1	14.5	320
I077464		48.8	1.85	0.65	0.2	0.101	0.07	2.3	1.0	0.14	268	5.12	0.01	0.8	8.8	350
I077465		0.51	0.25	0.17	<0.1	0.007	0.03	0.6	1.2	11.85	188	0.07	0.01	0.3	5.0	180
I077466		>50	5.94	0.91	0.4	0.135	0.26	3.5	1.2	0.22	421	5.20	0.01	1.3	20.3	470
I077467		>50	5.39	0.88	0.3	0.101	0.30	10.4	1.8	0.19	308	16.15	0.01	1.5	21.6	700
I077468		49.4	5.20	0.95	0.2	0.182	0.29	13.2	2.2	0.15	925	7.62	0.01	1.4	34.5	670
I077469		>50	1.76	0.73	0.2	0.109	0.05	6.5	0.5	0.09	850	5.38	0.01	0.8	22.5	510
I077470		2.11	13.30	0.10	0.9	0.019	3.59	2.5	16.3	0.60	291	18.15	1.15	1.8	14.3	630
I077471		44.2	15.15	0.56	1.1	0.191	0.69	12.4	4.0	0.21	1090	3.45	0.03	1.8	41.5	690
I077472		40.9	25.0	0.68	0.8	0.144	1.23	16.2	7.8	0.26	608	2.73	0.03	2.8	52.4	810
I077473		31.5	30.1	0.55	0.2	0.273	1.99	24.3	14.4	0.33	390	1.69	0.03	3.8	64.0	950
I077474		36.2	24.5	0.61	0.3	0.351	1.36	33.5	9.6	0.24	552	2.15	0.03	4.1	79.0	910
I077475		9.92	47.3	0.19	0.2	0.225	4.60	14.7	23.6	0.41	168	1.11	0.10	10.2	18.3	1170
I077476		4.12	42.1	0.11	0.1	0.153	4.88	9.2	35.9	0.51	22	0.27	0.13	22.9	15.6	510
I077477		20.9	24.1	0.37	1.3	0.152	3.33	63.0	19.8	0.53	985	0.45	0.07	3.7	69.0	2530
I077478		16.95	24.7	0.31	0.3	0.337	3.46	33.6	17.6	0.54	569	0.59	0.06	7.0	30.2	680

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	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I077443		3.6	2.7	0.003	7.03	1.65	0.6	2	0.3	58.4	<0.05	0.14	0.2	0.011	0.17	0.7
I077444		11.0	2.3	0.006	>10.0	7.59	0.3	21	0.5	21.3	<0.05	1.42	0.9	0.008	0.16	2.0
I077445		25.7	3.1	0.006	>10.0	8.01	0.6	12	0.6	41.7	0.05	0.80	2.2	0.011	0.14	8.2
I077446		1810	4.0	0.010	6.57	31.9	0.5	4	3.2	111.0	<0.05	0.10	<0.2	0.006	0.45	0.7
I077447		751	12.5	0.003	6.94	5.23	0.8	2	0.9	73.3	0.06	0.12	0.3	0.026	0.35	1.4
I077448		9.5	366	<0.002	5.05	1.02	6.9	1	3.8	55.8	0.66	0.20	2.3	0.367	2.10	2.1
I077449		2.8	2.2	<0.002	0.02	<0.05	0.4	1	<0.2	51.3	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
I077450		5.2	15.5	<0.002	0.01	1.24	3.1	1	1.0	78.1	0.31	<0.05	0.9	0.131	0.14	0.6
I077451		47.9	39.5	0.002	0.02	29.0	4.9	1	5.5	19.7	0.32	1.02	2.4	0.143	0.65	2.0
I077452		64.4	3.0	0.002	0.11	26.9	1.0	2	0.8	10.1	<0.05	1.66	0.2	0.009	0.09	2.9
I077453		57.2	1.7	0.003	0.18	24.9	0.9	2	0.5	10.8	<0.05	1.71	0.2	0.005	0.07	2.8
I077454		81.2	2.8	0.004	0.09	18.30	0.8	3	1.7	18.6	<0.05	2.03	0.2	0.010	0.08	2.5
I077455		13.3	5.2	0.003	0.18	22.1	0.6	3	0.8	30.7	<0.05	1.04	0.4	0.006	0.13	2.5
I077456		124.0	8.4	0.002	0.11	26.0	1.3	2	1.0	24.7	<0.05	0.40	0.5	0.026	0.15	2.2
I077457		9150	31.7	0.013	1.70	248	0.7	15	7.8	568	0.17	3.78	0.6	0.049	1.81	3.5
I077458		224	30.3	0.005	0.38	105.5	2.2	3	5.8	54.0	0.17	5.23	0.9	0.099	0.75	1.6
I077459		167.5	890	<0.002	0.29	2.51	3.6	<1	3.3	52.1	2.34	0.15	2.3	0.078	8.30	0.7
I077460		53.4	107.5	0.002	2.13	9.39	6.2	3	2.9	275	0.33	0.30	5.1	0.130	1.26	2.4
I077461		11.8	99.0	<0.002	1.10	5.56	7.2	2	3.6	176.5	0.81	0.32	6.1	0.196	0.95	3.4
I077462		34.5	36.4	<0.002	0.49	13.90	3.8	2	1.5	134.0	0.22	0.16	3.4	0.062	0.28	2.8
I077463		39.9	14.2	<0.002	0.08	11.65	1.8	4	0.8	20.7	<0.05	0.25	1.4	0.043	0.18	1.7
I077464		51.9	5.3	<0.002	0.06	25.3	1.0	4	0.4	17.6	<0.05	0.81	0.9	0.014	0.13	1.9
I077465		1.8	1.1	<0.002	0.02	0.09	0.2	1	<0.2	45.6	<0.05	0.08	<0.2	<0.005	<0.02	0.6
I077466		60.5	17.1	0.006	0.08	104.0	1.9	5	1.0	22.3	<0.05	0.44	1.3	0.046	0.33	11.3
I077467		703	30.3	0.004	0.22	78.1	2.1	11	1.5	94.1	0.05	0.33	0.8	0.051	0.56	15.1
I077468		600	28.1	0.008	0.18	97.7	3.0	7	1.2	140.5	0.05	0.96	0.9	0.044	0.79	15.6
I077469		150.0	3.4	0.003	0.09	34.4	2.1	14	0.8	39.6	<0.05	0.58	0.5	0.007	0.20	5.3
I077470		5.5	1500	<0.002	0.03	0.76	7.2	1	1.0	58.9	0.19	<0.05	0.5	0.249	13.65	0.2
I077471		70.6	43.4	0.002	0.47	19.40	4.0	5	2.6	128.0	0.08	0.41	1.5	0.088	0.40	6.6
I077472		19.7	55.7	<0.002	0.75	8.05	6.2	3	3.1	87.0	0.12	0.23	2.1	0.237	0.57	3.4
I077473		24.1	95.3	<0.002	1.26	4.10	11.0	3	3.9	135.5	0.18	0.17	3.1	0.287	0.92	3.3
I077474		106.0	55.7	<0.002	0.84	22.3	11.2	4	2.2	127.0	0.21	0.37	3.4	0.295	0.74	3.8
I077475		56.3	91.7	<0.002	2.30	5.64	14.8	4	2.2	231	0.61	0.16	2.0	0.610	1.62	2.1
I077476		7.0	88.9	<0.002	0.73	3.78	17.5	4	2.9	100.0	1.41	0.09	1.7	0.887	1.40	0.6
I077477		5.8	133.0	<0.002	1.07	3.06	15.1	3	1.3	229	0.22	0.11	6.3	0.385	1.24	6.1
I077478		95.9	137.0	<0.002	0.76	3.73	14.9	3	7.9	236	0.39	0.25	3.9	0.485	0.84	2.8

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 6- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10136190

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Zn- OG62 Zn % 0.001	As- OG62 As % 0.001
I077443		9	8.6	5.1	39	3.6		
I077444		8	14.9	3.0	12	2.5		
I077445		10	359	9.2	87	4.6		
I077446		10	83.7	5.9	>10000	4.1	3.06	
I077447		14	2.7	7.2	6050	8.4		
I077448		86	5.3	11.5	80	69.9		
I077449		2	0.1	1.0	27	0.6		
I077450		34	1.8	12.0	116	20.7		
I077451		65	91.3	31.6	571	34.6		
I077452		5	172.5	9.3	369	4.7		
I077453		4	200	8.9	343	4.2		
I077454		6	278	5.3	461	7.8		1.875
I077455		9	196.0	3.9	206	5.6		3.28
I077456		21	119.0	6.5	420	9.4		2.84
I077457		23	1310	3.0	750	41.6		3.98
I077458		31	460	12.3	715	67.3		1.910
I077459		20	8.0	3.9	134	55.9		
I077460		57	36.7	20.9	889	58.1		2.10
I077461		66	23.1	17.6	859	61.1		1.915
I077462		39	22.7	15.1	1100	30.0		2.15
I077463		20	10.8	6.1	584	14.7		1.980
I077464		13	71.1	5.4	401	5.5		2.35
I077465		3	0.5	0.9	17	<0.5		
I077466		26	960	10.3	1600	14.7		2.10
I077467		30	740	10.3	2940	10.6		3.26
I077468		32	1530	15.0	3880	6.2		3.22
I077469		18	278	12.0	2010	5.6		3.39
I077470		52	0.4	8.0	30	33.3		
I077471		76	91.8	16.7	2110	48.7		2.50
I077472		124	32.6	13.6	1040	36.7		1.615
I077473		115	14.2	11.6	909	6.5		1.015
I077474		190	47.5	18.5	2010	15.2		1.205
I077475		174	20.9	4.1	232	8.7		1.115
I077476		168	13.7	1.3	59	5.1		
I077477		196	9.5	24.6	682	56.8		1.985
I077478		114	13.8	9.7	483	12.8		1.790

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Finalized Date: 6- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10136190

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 8- OCT- 2010
Account: RCM

CERTIFICATE VA10136191

Project: RAU

P.O. No.: BATCH 82

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 22- SEP- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- 31	Fine crushing - 70% < 2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
As- OG62	Ore Grade As - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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North Vancouver BC V7H 0A7
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Finalized Date: 8- OCT- 2010
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Project: RAU

CERTIFICATE OF ANALYSIS VA10136191

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
I077407		4.30	0.01	0.58	6.13	73.5	370	1.29	0.15	6.30	0.78	84.1	26.7	122	2.51	62.4
I077408		5.20	<0.01	0.04	0.07	7	160	0.07	0.37	19.85	0.07	2.04	0.8	4	0.15	3.5
I077409		5.18	0.01	0.01	0.07	7	170	0.09	0.20	19.30	0.04	1.75	0.7	7	0.12	2.3
I077410		2.74	<0.01	0.15	5.92	15	1390	1.27	0.05	14.90	0.15	100.5	38.2	30	2.26	33.6
I077411		5.32	<0.01	0.13	6.03	18	1480	1.26	0.03	18.45	0.37	88.1	34.2	38	2.46	38.3
I077412		2.42	<0.01	0.11	6.09	43	1410	1.20	0.02	17.60	0.49	89.3	49.6	38	2.46	42.4
I077413		5.68	<0.01	0.09	5.18	22	1000	1.01	0.03	20.8	0.21	79.1	31.2	32	2.42	36.5
I077414		1.36	<0.01	0.10	5.10	26	860	0.90	0.04	22.9	0.34	74.1	29.9	31	2.44	37.9
I077415		1.94	<0.01	0.20	6.59	62	1410	1.21	0.02	20.3	0.56	101.5	43.0	39	4.83	38.7
I077416		0.86	0.09	4.53	4.29	812	2200	1.81	0.53	9.16	2.30	48.4	28.9	207	3.18	243
I077417		3.96	<0.01	0.01	0.12	5	20	0.09	0.07	21.4	0.07	2.04	1.7	2	0.19	2.5
I077418		4.74	<0.01	0.23	0.07	7	70	0.10	0.05	19.70	0.14	2.29	2.0	3	0.07	14.4
I077419		5.84	0.03	0.51	9.00	758	250	2.78	16.55	1.80	0.03	113.5	43.9	166	10.30	12.9
I077420		8.90	0.47	0.25	1.70	640	180	0.57	153.0	10.90	0.06	21.2	6.5	16	10.45	9.4
I077421		0.28	3.34	0.22	0.10	>10000	10	<0.05	224	9.59	0.09	7.65	1.4	9	0.55	26.3
I077422		7.14	0.08	0.12	0.94	315	340	0.34	13.05	12.40	0.05	6.45	2.6	16	6.09	4.0
I077423		8.54	0.06	0.21	2.43	101	300	0.60	11.45	17.10	0.05	25.0	12.7	66	31.8	13.6
I077424		8.10	0.07	0.20	6.85	91.3	960	1.13	10.10	8.03	0.04	76.3	37.5	185	38.0	37.2
I077425		7.90	0.86	0.38	0.47	736	100	0.14	168.5	6.82	0.07	3.95	3.1	18	2.88	51.3
I077426		7.88	1.47	0.39	0.12	1580	10	0.07	106.5	12.70	0.93	7.99	0.8	3	0.34	4.4
I077427		7.28	0.65	0.25	0.21	1600	40	0.24	33.2	16.15	2.78	7.18	0.9	3	1.24	8.3
I077428		6.08	1.61	0.55	0.30	>10000	50	0.16	144.0	9.04	0.04	19.30	0.8	2	2.35	46.3
I077429		4.88	<0.01	0.03	0.06	31	30	0.06	0.30	19.95	0.07	1.35	1.4	1	0.13	4.7
I077430		5.72	0.02	0.18	0.11	135	20	0.17	4.71	18.15	0.67	5.02	0.9	2	0.44	14.5
I077431		6.50	0.02	0.54	0.11	136	20	0.24	14.40	18.55	3.14	12.60	1.1	2	0.30	5.4
I077432		9.10	0.08	0.34	0.31	885	70	0.18	65.7	12.95	0.34	15.70	1.3	2	1.16	9.5
I077433		6.88	0.02	0.18	0.20	313	30	0.20	325	16.35	0.72	11.40	1.5	4	1.24	7.1
I077434		6.40	0.35	0.32	0.10	3700	30	0.08	445	4.21	0.06	64.3	1.0	<1	0.13	4.1
I077435		6.92	0.05	0.81	0.27	306	140	0.29	27.2	17.35	3.10	14.90	2.1	4	0.69	6.5
I077436		2.94	0.06	0.14	0.07	299	230	0.13	37.7	16.20	0.05	35.5	1.9	1	0.38	4.5
I077437		2.88	0.02	0.14	0.04	261	20	0.12	49.4	15.95	0.10	131.5	2.1	1	0.26	3.1
I077438		6.70	0.27	0.19	0.04	1220	70	0.18	356	9.73	0.11	470	1.9	2	0.20	2.8
I077439		0.28	1.85	0.31	0.24	>10000	40	0.10	263	13.85	0.26	17.35	2.6	9	1.16	28.0
I077440		8.00	0.61	0.20	0.09	1270	100	0.09	381	13.20	0.05	168.5	2.4	1	0.32	4.1
I077441		8.64	0.07	0.17	0.13	598	70	0.11	83.7	15.20	0.06	27.7	3.4	2	0.32	3.3
I077442		8.42	0.52	0.22	0.09	1080	70	0.08	426	7.57	0.03	112.5	2.0	4	0.24	2.7

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 8- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10136191

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I077407		5.40	19.00	0.20	3.5	0.074	3.24	45.2	14.4	3.57	333	3.07	0.03	34.1	94.2	4500
I077408		0.20	0.26	0.15	<0.1	0.007	0.02	1.1	5.1	11.90	254	0.27	0.01	0.3	4.4	90
I077409		0.21	0.32	0.21	<0.1	0.005	0.03	1.0	4.4	11.50	175	0.25	0.01	0.3	6.3	70
I077410		5.15	16.35	0.18	0.7	0.072	2.60	51.6	4.9	1.46	641	0.62	0.09	33.4	54.8	2570
I077411		3.46	17.80	0.18	0.7	0.074	2.59	43.1	4.6	1.34	676	0.21	0.11	31.2	61.3	2000
I077412		3.67	18.05	0.18	0.6	0.077	2.58	43.9	4.4	1.35	649	0.22	0.11	30.8	64.4	1870
I077413		3.55	16.10	0.21	0.6	0.064	2.12	38.7	4.4	0.91	654	0.20	0.13	26.1	49.3	1640
I077414		3.73	14.60	0.19	0.6	0.057	2.13	36.3	5.0	0.41	692	0.33	0.12	26.6	47.6	1960
I077415		2.37	18.90	0.21	0.6	0.073	2.85	50.1	7.3	0.51	572	0.89	0.12	31.3	76.1	1520
I077416		5.26	17.80	0.26	2.5	0.348	1.64	39.3	5.6	3.36	257	184.0	0.07	10.1	474	9640
I077417		0.46	0.50	0.19	<0.1	<0.005	0.04	1.0	1.6	13.05	205	0.19	0.01	0.5	1.8	260
I077418		0.10	0.44	0.31	<0.1	0.006	0.02	1.7	4.2	12.00	161	1.40	0.02	0.3	13.5	370
I077419		7.94	31.4	0.26	1.4	0.057	5.76	55.9	40.2	1.13	104	1.23	0.10	108.0	82.2	1600
I077420		13.70	9.12	0.27	0.8	0.111	1.10	10.7	13.4	5.69	2410	0.30	0.03	9.7	21.0	610
I077421		20.7	0.90	0.36	0.1	0.096	0.05	3.1	1.7	5.37	1780	5.19	0.01	1.2	8.3	90
I077422		5.45	4.99	0.11	0.4	0.027	0.59	3.1	6.4	6.91	1210	0.19	0.02	4.0	11.5	210
I077423		4.06	8.19	0.14	1.0	0.020	1.93	13.3	20.8	9.85	1130	0.46	0.02	9.0	40.4	660
I077424		6.52	19.25	0.22	2.4	0.030	4.33	39.0	45.1	4.85	441	0.45	0.06	26.2	176.5	2050
I077425		12.00	2.62	0.24	0.2	0.035	0.28	1.7	4.7	3.39	745	0.19	0.01	1.5	11.7	150
I077426		16.80	1.00	0.26	0.1	0.281	0.04	2.9	1.6	6.58	3620	0.40	0.01	0.9	5.1	60
I077427		9.56	1.20	<0.05	0.1	0.104	0.08	3.1	3.8	7.88	2260	0.20	0.01	0.9	2.9	100
I077428		20.5	1.82	0.15	0.1	0.055	0.13	10.4	3.4	4.79	1020	0.10	0.01	1.3	3.1	80
I077429		0.44	0.45	0.28	<0.1	<0.005	0.02	0.6	1.3	11.90	187	0.17	<0.01	0.2	3.1	200
I077430		3.67	0.56	<0.05	<0.1	0.020	0.03	2.7	3.3	10.65	961	0.10	0.01	0.4	2.4	50
I077431		3.02	0.61	<0.05	0.1	0.015	0.02	7.5	3.7	10.35	1020	0.36	0.01	0.5	2.9	40
I077432		13.30	1.57	0.10	0.2	0.037	0.11	8.5	3.4	7.05	948	0.12	0.01	1.7	5.1	50
I077433		6.18	1.28	<0.05	0.1	0.024	0.03	5.4	4.5	8.47	971	0.30	0.01	0.6	5.3	50
I077434		35.2	0.85	0.36	0.1	0.013	0.01	42.0	1.1	2.08	247	0.10	0.01	0.8	7.1	40
I077435		5.64	1.56	<0.05	0.2	0.023	0.04	9.0	3.7	9.19	1100	0.21	0.02	1.2	7.1	150
I077436		6.77	0.58	<0.05	<0.1	0.025	0.01	21.9	2.0	9.09	1020	0.15	0.01	0.4	5.4	200
I077437		6.83	0.74	0.07	<0.1	0.029	0.01	81.8	3.2	9.10	1420	0.13	0.01	0.2	11.7	70
I077438		18.10	2.08	0.38	<0.1	0.018	0.01	269	2.3	4.95	746	0.19	0.01	0.3	13.2	220
I077439		15.85	1.50	0.08	0.2	0.121	0.10	8.2	3.3	7.18	3310	4.85	0.01	1.6	11.7	190
I077440		15.70	1.28	0.19	0.1	0.021	0.02	107.5	3.2	7.18	787	0.22	0.01	0.6	17.0	110
I077441		12.15	0.94	0.06	0.1	0.023	0.01	16.2	4.1	8.46	1060	0.29	0.01	0.6	10.8	80
I077442		16.80	1.06	0.18	0.1	0.014	<0.01	71.4	2.6	3.87	482	0.11	0.01	0.5	10.3	50

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Project: RAU

CERTIFICATE OF ANALYSIS VA10136191

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I077407		23.5	56.9	0.051	6.57	14.05	17.4	6	1.8	73.2	2.04	0.17	7.5	0.755	1.31	7.0
I077408		3.1	1.3	<0.002	0.01	0.42	0.7	1	0.2	64.6	<0.05	0.07	0.2	<0.005	0.10	1.2
I077409		1.4	1.4	<0.002	0.01	0.20	0.5	1	<0.2	92.4	<0.05	0.07	<0.2	<0.005	0.06	1.0
I077410		2.8	62.3	0.004	0.09	0.35	12.8	3	1.3	244	1.87	<0.05	4.0	1.030	0.22	0.9
I077411		14.3	62.0	0.002	0.11	1.15	13.1	3	1.4	228	1.80	<0.05	3.7	0.965	0.24	0.6
I077412		20.8	64.5	0.002	0.10	1.56	13.1	3	1.4	225	1.75	<0.05	3.7	0.945	0.26	0.6
I077413		2.5	55.5	<0.002	1.87	0.79	11.8	2	1.3	194.5	1.47	<0.05	3.3	0.749	0.35	0.5
I077414		3.2	54.6	<0.002	0.01	1.24	11.0	2	1.3	194.5	1.48	<0.05	3.1	0.821	0.45	0.8
I077415		2.4	74.7	<0.002	0.01	2.91	14.8	3	1.9	207	1.73	<0.05	4.1	0.970	0.99	1.1
I077416		27.3	64.1	0.007	0.50	78.5	11.0	19	3.2	406	0.62	0.50	6.1	0.229	1.63	45.3
I077417		1.6	2.2	<0.002	0.02	0.07	0.4	2	<0.2	52.5	<0.05	<0.05	0.2	0.006	<0.02	0.9
I077418		1.9	0.9	<0.002	<0.01	3.59	0.5	2	0.2	58.8	<0.05	<0.05	<0.2	<0.005	0.03	4.0
I077419		2.9	251	<0.002	8.50	0.93	8.6	3	8.8	46.0	6.37	0.15	13.0	0.548	1.31	1.8
I077420		3.8	143.5	<0.002	>10.0	1.50	3.1	2	2.0	71.2	0.54	0.15	1.9	0.151	1.14	1.4
I077421		7.8	7.5	0.003	>10.0	19.05	0.3	4	1.6	65.9	0.05	0.55	<0.2	0.006	0.14	0.4
I077422		3.6	52.6	0.017	5.74	1.00	1.4	2	0.9	54.4	0.22	<0.05	0.6	0.070	0.90	0.8
I077423		3.3	214	<0.002	4.42	0.64	5.8	3	1.2	68.9	0.47	0.07	2.2	0.206	2.20	1.1
I077424		3.1	348	<0.002	7.83	1.17	17.6	2	3.6	33.5	1.46	0.05	7.8	0.511	3.10	1.6
I077425		5.3	22.3	<0.002	>10.0	13.80	1.4	11	0.5	31.2	0.07	0.08	0.3	0.032	0.45	0.5
I077426		66.2	5.3	0.003	>10.0	7.21	0.4	4	0.3	91.1	<0.05	0.13	<0.2	0.008	0.39	0.4
I077427		82.1	10.0	0.002	9.76	4.67	0.7	2	0.3	74.2	<0.05	0.10	<0.2	0.014	0.49	0.4
I077428		3.0	22.9	0.003	>10.0	10.05	0.4	8	0.5	39.2	0.06	0.56	0.3	0.014	0.43	0.4
I077429		1.7	1.2	<0.002	0.05	0.05	0.3	2	<0.2	45.3	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
I077430		24.1	5.0	0.002	3.67	2.77	0.5	4	0.3	55.9	<0.05	0.05	<0.2	0.008	0.09	0.1
I077431		203	3.6	<0.002	2.97	3.91	0.5	2	0.3	58.0	<0.05	0.07	0.2	0.008	0.38	0.3
I077432		16.2	13.4	0.002	>10.0	5.53	0.7	8	0.5	49.5	0.11	0.16	0.5	0.017	0.19	0.3
I077433		23.8	7.2	0.002	6.86	6.97	0.8	5	0.3	60.2	<0.05	0.29	<0.2	0.013	0.19	0.4
I077434		13.0	1.3	<0.002	>10.0	6.11	0.2	27	0.4	16.0	<0.05	0.84	0.3	0.012	0.06	1.0
I077435		182.5	7.4	0.003	6.11	3.73	0.8	4	0.6	59.9	0.06	0.08	0.3	0.026	0.44	0.5
I077436		2.9	1.9	0.004	7.43	2.02	0.5	4	0.3	52.9	<0.05	0.09	<0.2	0.005	0.29	0.8
I077437		3.9	0.9	0.005	7.60	1.14	0.7	4	0.3	73.7	<0.05	0.10	0.3	<0.005	0.12	2.4
I077438		6.2	1.0	0.019	>10.0	5.72	0.8	10	0.4	45.4	<0.05	0.63	0.8	<0.005	0.21	6.1
I077439		8.3	15.8	0.003	>10.0	11.95	0.7	2	2.2	91.8	0.07	0.29	0.5	0.020	0.21	0.5
I077440		6.0	2.7	0.004	>10.0	4.86	0.4	10	0.4	46.7	<0.05	0.56	0.3	0.005	0.14	2.6
I077441		3.9	1.4	0.015	>10.0	1.97	0.8	5	0.4	55.5	<0.05	0.27	0.2	0.008	0.24	0.9
I077442		4.7	1.2	0.004	>10.0	5.08	0.5	7	0.4	28.9	<0.05	0.57	0.5	0.005	0.21	1.3

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 8- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10136191

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	As- OG62 As % 0.001
I077407		260	1.4	21.3	125	157.5	
I077408		9	0.3	1.4	21	2.3	
I077409		8	0.3	1.2	7	1.8	
I077410		138	0.4	19.2	84	34.7	
I077411		141	1.3	15.5	117	33.6	
I077412		145	1.4	15.5	146	31.8	
I077413		120	0.2	16.1	56	29.2	
I077414		117	0.3	17.7	126	27.6	
I077415		151	2.8	21.8	183	37.2	
I077416		1900	23.0	45.7	805	110.0	
I077417		5	0.1	1.2	17	0.6	
I077418		37	0.1	2.6	53	1.4	
I077419		104	10.2	12.7	11	59.5	
I077420		32	91.9	9.1	16	33.0	
I077421		5	268	5.3	11	4.0	6.13
I077422		24	1920	5.7	10	18.1	
I077423		50	9.1	9.4	19	41.8	
I077424		142	6.0	20.0	19	114.5	
I077425		15	7.2	3.7	12	9.1	
I077426		26	2.9	9.0	383	3.1	
I077427		9	31.8	6.3	744	4.8	
I077428		7	268	4.8	14	5.6	1.365
I077429		2	0.8	0.8	17	<0.5	
I077430		8	1.2	3.2	178	2.2	
I077431		5	2.6	3.6	972	2.3	
I077432		8	9.5	5.4	111	5.6	
I077433		9	10.2	5.7	203	4.6	
I077434		3	4.5	1.7	12	3.0	
I077435		8	4.7	4.6	839	7.0	
I077436		8	200	4.6	16	2.0	
I077437		8	490	7.0	20	1.0	
I077438		6	2390	7.6	32	1.4	
I077439		7	58.8	7.6	59	6.7	2.65
I077440		9	5.2	5.4	24	3.4	
I077441		10	1730	7.1	17	3.9	
I077442		6	21.8	4.7	14	2.1	

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 8- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10136191

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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Finalized Date: 6- OCT- 2010
Account: RCM

CERTIFICATE VA10136192

Project: RAU

P.O. No.: BATCH 80

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 22- SEP- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- 31	Fine crushing - 70% < 2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
As- OG62	Ore Grade As - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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VANCOUVER BC V6B 1L8

Finalized Date: 6- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10136192

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
I077335		7.44	<0.01	0.04	1.20	12	90	0.35	0.20	30.8	0.05	11.95	3.6	17	0.39	5.5
I077336		5.50	<0.01	0.03	0.94	10	70	0.26	0.10	33.2	0.06	8.77	4.8	9	0.57	32.1
I077337		4.76	<0.01	0.22	8.20	0.4	320	1.78	0.38	6.19	0.06	58.4	45.0	195	17.95	180.0
I077338		5.46	<0.01	0.15	8.56	1.1	260	1.35	0.37	4.66	0.12	66.4	37.9	219	28.5	73.1
I077339		7.78	<0.01	0.27	7.76	3.4	300	1.39	0.60	5.82	0.29	55.7	52.2	212	20.5	202
I077340		0.28	0.46	1.68	0.15	6220	60	0.09	70.5	16.95	2.40	15.50	1.7	7	0.36	18.8
I077341		5.28	<0.01	0.02	1.15	17	90	0.36	0.15	34.8	0.06	8.89	3.9	15	1.55	8.5
I077342		6.38	<0.01	0.01	0.96	6	70	0.23	0.06	35.1	0.07	9.80	2.6	10	0.26	3.8
I077343		4.42	<0.01	0.12	8.22	0.4	230	0.98	0.27	4.61	0.04	32.8	48.2	190	25.1	112.5
I077344		8.42	<0.01	0.09	7.76	0.4	130	0.92	0.11	4.27	0.08	28.4	38.0	187	12.20	31.5
I077345		4.10	<0.01	0.09	7.80	0.6	130	0.93	0.09	3.98	0.05	27.1	36.4	182	11.75	31.1
I077346		8.28	<0.01	0.08	8.13	<0.2	120	1.10	0.12	5.37	0.04	29.7	38.7	177	15.35	36.1
I077347		8.50	<0.01	0.07	7.76	<0.2	100	1.03	0.14	5.47	0.08	33.0	36.6	187	10.30	16.9
I077348		8.42	<0.01	0.10	8.21	0.3	110	0.97	0.13	5.14	0.04	41.2	35.3	161	6.45	42.3
I077349		8.34	<0.01	0.09	7.91	0.7	190	0.82	0.10	4.24	0.02	31.8	40.2	192	9.22	48.9
I077350		5.06	<0.01	<0.01	0.08	11	20	0.05	0.07	21.0	0.06	1.35	1.4	3	0.14	2.5
I077351		7.96	<0.01	0.05	8.21	<0.2	210	0.93	0.10	4.06	0.05	24.9	36.1	179	12.75	14.0
I077352		5.02	<0.01	0.13	7.57	0.8	150	0.59	0.13	2.84	0.06	18.40	31.0	150	20.8	33.7
I077353		7.22	<0.01	0.03	1.06	8	80	0.24	0.12	33.1	0.08	8.01	3.3	13	0.47	15.0
I077354		8.04	<0.01	0.03	0.29	32	90	0.09	0.19	36.0	0.41	4.92	1.3	6	0.21	2.4
I077355		6.32	0.01	0.33	1.67	205	470	0.35	4.82	32.4	1.31	16.20	10.0	35	2.68	18.5
I077356		3.74	10.35	4.63	1.63	7650	1920	0.47	883	0.54	10.90	19.05	9.2	57	1.70	174.0
I077357		8.20	4.88	10.30	0.42	>10000	2030	0.15	640	1.20	15.35	14.40	2.8	16	0.35	23.8
I077358		8.40	5.25	7.30	0.22	>10000	2200	<0.05	988	0.85	6.10	4.95	1.3	4	0.16	11.2
I077359		7.30	0.01	0.02	0.07	126	30	0.05	1.13	20.8	0.09	1.33	1.1	3	0.16	2.2
I077360		4.86	3.41	8.14	0.78	>10000	990	0.28	716	0.49	4.91	10.15	3.0	28	0.99	25.7
I077361		6.78	0.66	9.75	2.06	>10000	7410	0.44	402	0.38	3.99	14.35	9.4	66	2.89	39.5
I077362		4.84	0.12	2.29	0.92	882	340	0.43	8.90	27.8	3.35	8.90	3.9	18	0.78	6.0
I077363		4.50	0.07	0.97	0.45	529	390	0.28	3.21	25.8	1.46	7.11	2.3	6	0.38	3.9
I077364		0.26	8.62	22.8	5.53	12.0	40	1.21	1.03	1.51	0.03	5.95	8.2	42	63.1	18.6
I077365		6.70	0.27	3.25	1.47	>10000	1460	0.39	164.5	5.58	6.92	22.5	10.2	32	7.66	18.6
I077366		4.56	0.01	0.46	0.09	116	80	0.07	0.85	36.2	0.35	2.34	1.1	2	<0.05	1.9
I077367		1.46	<0.01	0.20	0.51	20	230	0.14	0.36	35.2	1.13	5.27	2.0	17	0.18	3.8
I077368		0.56	<0.01	1.12	5.47	56	2210	0.71	0.42	22.2	8.23	42.5	23.1	182	1.85	74.7
I077369		3.04	<0.01	0.65	1.97	13	670	0.47	0.16	23.9	2.18	17.50	4.8	25	0.63	8.9
I077370		3.54	<0.01	1.37	1.61	13	580	0.46	0.62	22.9	31.2	15.75	4.1	13	0.65	9.9

***** See Appendix Page for comments regarding this certificate *****

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 6- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10136192

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I077335		1.14	2.77	<0.05	0.4	0.011	0.57	5.7	7.1	0.66	342	0.99	0.01	2.3	10.4	90
I077336		0.83	1.92	<0.05	0.3	0.011	0.34	4.2	6.5	0.80	464	0.81	0.06	2.1	11.6	70
I077337		7.01	21.8	0.17	1.4	0.091	1.86	29.3	55.8	5.13	593	0.88	1.74	36.2	219	1640
I077338		7.87	23.5	0.19	2.5	0.075	2.20	31.9	69.4	6.80	585	0.66	1.29	37.0	196.0	1720
I077339		8.34	19.05	0.15	2.5	0.070	2.15	26.7	58.0	5.62	574	0.74	0.92	31.9	209	1540
I077340		11.20	1.02	<0.05	0.1	0.131	0.06	6.2	2.4	8.88	4700	2.24	0.01	1.1	7.3	140
I077341		0.81	2.67	<0.05	0.4	0.011	0.52	4.2	7.6	0.66	504	1.03	0.02	2.4	9.4	60
I077342		0.59	2.26	<0.05	0.3	0.012	0.34	4.9	4.2	0.64	642	1.72	0.08	1.7	5.7	40
I077343		8.18	21.4	0.11	0.4	0.086	1.87	15.7	69.0	4.96	598	1.08	2.05	20.0	164.0	880
I077344		7.42	19.55	0.14	0.5	0.066	1.09	14.2	45.5	4.91	566	1.31	2.28	15.9	158.5	910
I077345		7.25	19.20	0.14	0.5	0.066	1.06	13.5	45.8	4.88	545	1.04	2.28	15.4	152.5	900
I077346		7.32	19.05	0.14	1.0	0.052	0.94	14.9	35.9	4.68	813	1.53	2.80	15.5	159.5	820
I077347		6.87	18.95	0.14	0.9	0.052	0.74	16.7	25.6	4.12	767	0.99	2.75	17.3	144.5	870
I077348		7.10	20.4	0.16	1.3	0.063	0.67	20.5	21.4	4.02	628	0.22	2.94	21.7	120.0	1130
I077349		7.52	20.9	0.15	0.4	0.093	1.81	15.5	47.8	4.34	501	0.14	2.35	18.8	148.5	960
I077350		0.44	0.41	0.22	<0.1	<0.005	0.03	0.6	0.9	12.75	192	0.06	0.01	0.3	2.6	220
I077351		6.34	20.7	0.14	0.4	0.058	1.69	11.7	50.1	3.67	516	0.07	2.78	16.2	135.0	940
I077352		6.53	19.75	0.18	0.2	0.043	1.34	8.8	39.1	4.61	511	1.78	2.74	11.9	112.0	670
I077353		0.81	2.05	<0.05	0.3	0.012	0.49	3.9	2.7	0.55	655	1.31	0.09	1.8	8.5	20
I077354		0.36	0.64	<0.05	0.2	0.007	0.14	4.6	0.8	0.21	224	0.07	<0.01	1.6	2.1	110
I077355		2.30	4.01	<0.05	0.5	0.040	0.55	10.8	9.5	0.54	1060	0.66	0.03	6.0	33.1	230
I077356		45.4	7.91	0.96	0.7	0.405	0.58	10.1	8.0	0.43	8470	8.91	0.04	3.2	32.2	1010
I077357		49.0	3.83	0.96	0.3	0.278	0.17	6.0	0.4	0.14	4610	4.55	0.04	1.0	10.4	490
I077358		>50	1.77	0.77	0.2	0.248	0.08	1.9	0.5	0.08	379	4.74	0.03	0.7	4.7	210
I077359		0.58	0.33	0.21	<0.1	0.005	0.03	0.6	1.0	12.35	213	0.08	0.01	0.3	<0.2	190
I077360		>50	3.96	0.69	0.4	0.409	0.29	4.4	1.7	0.15	833	6.28	0.02	2.4	14.5	280
I077361		41.7	8.96	0.62	0.7	0.267	0.82	8.3	3.8	0.26	1660	4.88	0.12	4.7	38.3	820
I077362		3.41	4.30	0.09	0.4	0.137	0.37	5.4	2.2	3.79	1320	0.39	0.01	3.4	11.1	310
I077363		2.16	2.37	0.07	0.3	0.060	0.19	5.2	2.9	7.13	1760	0.39	0.02	2.3	4.5	170
I077364		2.26	15.15	0.10	0.8	0.021	3.86	2.6	15.8	0.68	333	19.55	1.26	2.0	14.2	700
I077365		41.2	4.96	0.59	0.5	0.232	0.50	11.9	2.7	0.37	3090	3.79	0.04	2.4	47.8	1060
I077366		0.59	0.39	<0.05	<0.1	0.080	0.04	2.0	0.3	0.50	618	0.21	<0.01	1.2	1.0	20
I077367		0.68	1.14	0.05	0.2	0.043	0.27	3.5	1.2	0.27	390	0.25	0.01	1.6	1.5	20
I077368		1.91	12.85	0.11	0.5	0.143	3.13	21.7	16.4	0.58	923	0.77	0.06	16.7	79.4	720
I077369		1.51	4.61	0.08	0.5	0.021	1.12	8.8	7.7	5.97	305	0.43	0.02	3.0	19.2	120
I077370		1.32	4.01	0.07	0.5	0.089	0.87	7.8	7.3	7.46	1910	0.62	0.02	1.9	11.5	60

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 6- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10136192

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I077335		2.9	15.6	0.002	0.93	0.11	2.6	2	0.4	629	0.14	<0.05	1.4	0.079	0.06	1.0
I077336		2.0	12.5	0.002	0.34	0.05	1.8	2	0.5	961	0.13	<0.05	1.2	0.066	0.07	1.1
I077337		2.5	181.0	0.002	0.72	0.09	22.1	1	9.0	262	2.27	0.06	4.7	1.260	2.15	0.9
I077338		8.5	206	0.002	0.62	0.09	22.5	2	7.4	184.0	2.33	<0.05	5.2	1.285	2.32	2.7
I077339		21.3	187.5	0.003	1.48	0.14	20.2	2	4.5	162.0	2.02	<0.05	4.9	1.140	1.70	2.4
I077340		108.5	4.9	0.002	9.08	3.40	0.5	2	3.4	117.5	<0.05	0.12	0.7	0.009	0.08	0.4
I077341		3.5	29.1	0.002	0.31	0.07	2.3	2	0.4	922	0.15	<0.05	1.4	0.077	0.20	0.9
I077342		2.2	9.4	0.002	0.13	<0.05	1.9	2	0.4	572	0.11	<0.05	1.2	0.055	0.05	0.5
I077343		2.8	127.5	0.002	0.27	0.08	19.4	1	9.2	266	1.12	<0.05	2.7	0.916	1.85	0.5
I077344		3.7	65.6	0.002	0.03	0.08	20.6	1	5.4	429	0.91	<0.05	2.5	0.888	0.82	0.4
I077345		3.0	62.6	0.002	0.02	0.11	20.0	1	4.5	413	0.86	<0.05	2.3	0.862	0.74	0.3
I077346		3.1	99.4	0.002	0.02	0.07	20.1	1	4.7	486	0.88	<0.05	2.8	0.874	1.16	0.4
I077347		2.6	58.5	<0.002	0.02	0.14	20.3	1	3.7	600	0.98	<0.05	3.1	0.856	0.77	0.5
I077348		3.0	34.6	0.002	0.03	0.37	22.0	1	3.4	691	1.22	<0.05	3.9	1.120	0.44	0.6
I077349		2.8	39.0	0.002	0.01	0.06	20.9	1	3.5	487	1.09	<0.05	2.9	1.000	0.50	0.4
I077350		1.3	1.1	0.002	0.02	<0.05	0.3	2	<0.2	44.9	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
I077351		3.3	73.6	<0.002	0.02	0.08	20.0	1	5.1	490	0.90	<0.05	1.9	0.970	1.24	0.3
I077352		3.4	62.0	0.002	0.29	0.09	16.9	1	3.0	109.0	0.63	<0.05	1.4	0.794	1.66	0.2
I077353		1.8	17.3	0.002	0.37	<0.05	2.1	2	0.5	438	0.10	<0.05	1.0	0.072	0.07	0.7
I077354		3.6	5.0	<0.002	0.02	0.15	0.9	2	0.2	126.0	0.10	<0.05	0.3	0.041	0.03	0.2
I077355		82.5	32.1	<0.002	0.01	2.09	4.3	2	1.4	112.0	0.30	<0.05	1.5	0.182	0.49	0.6
I077356		410	42.6	0.002	0.03	20.4	5.4	5	67.1	14.1	0.15	0.55	1.4	0.099	0.76	2.6
I077357		751	15.4	0.004	0.04	16.65	2.0	3	2.5	16.4	<0.05	1.24	0.6	0.016	0.19	4.8
I077358		147.5	5.1	0.002	0.09	29.6	1.9	4	1.2	20.5	<0.05	1.08	0.5	0.012	0.11	2.8
I077359		2.1	1.5	<0.002	0.01	0.05	0.4	1	<0.2	44.9	<0.05	<0.05	0.2	<0.005	<0.02	0.6
I077360		459	16.9	<0.002	0.07	22.6	4.1	2	2.4	14.3	0.14	0.45	1.2	0.044	0.23	1.7
I077361		555	48.8	0.006	0.21	14.35	7.0	1	3.5	37.1	0.21	0.61	2.7	0.171	0.56	2.3
I077362		103.0	42.4	<0.002	0.01	0.83	2.2	2	6.0	27.9	0.18	0.09	0.6	0.092	0.25	0.5
I077363		35.8	17.6	<0.002	0.01	0.44	1.7	2	2.1	35.0	0.12	<0.05	0.5	0.055	0.13	0.3
I077364		5.6	1660	<0.002	0.03	0.80	7.6	<1	1.0	63.4	0.34	<0.05	0.5	0.272	13.65	0.3
I077365		171.5	34.7	0.002	0.03	6.49	5.5	1	3.0	21.3	0.11	0.16	1.3	0.084	0.39	2.8
I077366		10.3	1.8	<0.002	0.04	0.15	0.6	2	0.6	119.0	<0.05	<0.05	<0.2	0.010	0.02	0.1
I077367		8.4	6.8	<0.002	0.03	0.39	1.8	<1	0.6	187.5	0.07	<0.05	0.4	0.045	0.10	0.3
I077368		52.7	69.4	0.002	0.02	2.06	18.8	<1	4.5	56.2	0.84	<0.05	2.5	0.515	1.33	0.6
I077369		10.7	30.7	<0.002	0.01	0.72	4.1	<1	0.8	153.5	0.17	<0.05	2.2	0.101	0.28	0.9
I077370		898	35.4	<0.002	0.01	2.12	3.3	1	4.4	129.0	0.12	<0.05	2.3	0.064	0.76	0.7

***** See Appendix Page for comments regarding this certificate *****

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 6- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10136192

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	As- OG62 As % 0.001
I077335		21	0.3	4.5	12	14.9	
I077336		13	0.3	3.7	10	11.0	
I077337		181	2.5	22.5	79	37.4	
I077338		297	2.5	24.5	97	108.0	
I077339		254	1.3	21.3	99	92.3	
I077340		7	126.0	6.5	446	3.7	
I077341		17	0.4	4.1	9	14.2	
I077342		10	0.3	3.6	10	9.5	
I077343		92	1.4	17.2	92	10.7	
I077344		114	1.1	19.6	108	11.2	
I077345		111	1.3	18.7	103	10.5	
I077346		137	0.9	19.1	84	21.7	
I077347		136	1.0	19.5	76	20.3	
I077348		152	0.8	22.5	93	42.6	
I077349		147	0.7	20.0	82	6.5	
I077350		3	0.3	0.9	14	0.5	
I077351		127	1.2	17.5	72	7.3	
I077352		92	1.0	13.3	73	6.2	
I077353		11	0.1	3.7	11	10.9	
I077354		6	0.2	4.5	61	5.9	
I077355		30	3.0	9.3	517	19.9	
I077356		40	158.0	29.0	2050	20.3	
I077357		15	173.5	17.0	2900	10.0	3.37
I077358		16	153.5	6.2	1220	5.8	2.82
I077359		4	0.5	0.9	22	<0.5	
I077360		26	35.2	11.1	2440	16.3	1.805
I077361		53	80.9	11.7	2120	26.8	1.105
I077362		18	3.3	7.7	620	17.8	
I077363		13	1.6	6.6	226	11.2	
I077364		59	0.4	8.0	33	30.1	
I077365		35	5.2	21.3	2490	17.3	1.315
I077366		1	0.2	2.4	49	1.7	
I077367		7	0.3	3.1	237	5.2	
I077368		94	2.1	13.9	817	19.3	
I077369		25	0.3	6.5	750	17.4	
I077370		18	1.0	5.5	4070	15.0	

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 6- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10136192

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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Finalized Date: 6- OCT- 2010
Account: RCM

CERTIFICATE VA10136196

Project: RAU

P.O. No.: BATCH 86

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 24- SEP- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- 31	Fine crushing - 70% < 2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
As- OG62	Ore Grade As - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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Finalized Date: 6- OCT- 2010
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Project: RAU

CERTIFICATE OF ANALYSIS VA10136196

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
I077551		8.14	2.37	0.15	1.13	>10000	860	0.36	91.8	0.84	10.75	27.5	3.1	29	0.97	86.3
I077552		7.56	3.00	0.18	1.71	>10000	590	0.62	192.5	0.74	14.90	33.7	3.1	37	1.47	115.0
I077553		8.82	0.02	0.22	9.13	71.9	100	1.65	0.91	0.66	0.07	126.0	13.1	107	5.09	17.7
I077554		6.78	0.02	0.17	8.31	126.0	130	1.57	1.66	0.98	0.07	131.0	11.1	94	5.50	9.7
I077555		4.10	0.05	0.27	6.74	62.9	320	1.08	4.42	1.48	0.26	75.0	10.8	55	7.64	10.3
I077556		7.88	0.06	0.33	1.41	412	160	0.22	63.1	13.70	0.04	7.67	4.5	12	7.03	15.7
I077557		0.28	0.42	1.73	0.15	6650	50	0.09	70.3	16.55	2.32	13.50	1.8	7	0.35	16.0
I077558		7.88	0.02	0.17	0.69	139	150	0.17	9.69	18.85	0.03	7.56	2.5	8	3.70	10.2
I077559		5.12	0.02	0.11	1.07	2230	260	0.24	1.17	19.65	0.05	9.09	2.2	12	9.33	14.4
I077560		8.14	0.04	0.22	0.63	374	100	0.19	9.48	15.90	0.02	9.55	1.4	6	6.79	19.2
I077561		6.68	0.16	0.45	1.06	1085	160	0.28	91.3	6.00	0.02	3.58	4.3	23	2.78	9.8
I077562		9.72	0.27	0.17	0.26	4430	50	0.09	1755	10.30	0.03	11.10	1.3	5	1.58	10.1
I077563		4.54	26.1	0.22	0.28	9000	50	0.12	3220	10.40	0.03	7.15	1.4	7	1.87	10.5
I077564		9.98	0.05	1.07	0.55	>10000	50	0.17	151.0	11.50	0.05	9.51	1.3	2	4.60	7.8
I077565		10.14	3.24	0.10	0.08	>10000	20	0.06	165.0	14.10	0.05	43.3	0.9	<1	0.63	2.8
I077566		9.80	1.33	0.14	0.38	>10000	80	0.08	181.5	14.50	0.06	51.1	1.3	2	0.89	2.8
I077567		9.30	0.82	0.16	0.18	>10000	20	0.06	143.0	15.10	0.04	12.90	1.2	2	1.62	5.5
I077568		5.06	<0.01	0.01	0.07	17	10	<0.05	0.55	19.45	0.08	1.61	1.2	1	0.18	2.2
I077569		9.38	0.22	0.12	0.18	6420	10	0.08	580	15.40	0.06	40.4	1.2	1	1.95	4.8
I077570		8.92	0.09	0.09	0.07	1700	10	<0.05	63.3	16.90	0.06	12.70	1.1	<1	0.65	2.8
I077571		9.06	0.09	0.10	0.11	839	10	<0.05	165.0	16.40	0.10	9.41	1.1	<1	1.02	4.2
I077572		9.04	0.22	0.18	0.11	3460	10	0.06	437	12.85	0.07	23.2	1.2	<1	0.75	4.3
I077573		9.02	0.35	0.08	0.06	>10000	10	<0.05	246	17.05	0.06	10.45	1.1	<1	0.76	2.6
I077574		9.10	0.07	0.16	0.11	1920	10	0.08	1185	10.80	0.05	9.33	1.7	2	1.13	3.1
I077575		9.08	0.04	0.13	0.04	742	10	0.05	509	15.65	0.07	12.10	1.1	<1	0.57	2.1
I077576		9.06	0.06	0.10	0.04	600	10	<0.05	231	15.30	0.06	31.5	1.2	1	0.55	2.4
I077577		9.04	0.06	0.12	0.04	615	10	<0.05	213	16.50	0.08	20.5	1.1	4	0.65	2.1
I077578		0.28	1.82	0.41	0.25	>10000	20	0.12	288	14.40	0.24	14.30	3.0	8	1.16	25.8
I077579		9.06	0.24	0.09	0.03	698	10	<0.05	154.0	15.35	0.07	7.87	0.9	1	0.41	1.3
I077580		9.16	0.11	0.14	0.05	972	10	0.05	140.5	16.15	0.06	18.45	1.2	<1	0.59	2.3
I077581		9.10	0.09	0.13	0.05	666	10	0.06	243	16.05	0.10	6.78	1.1	<1	0.63	1.8
I077582		5.48	<0.01	0.02	0.08	12	20	0.09	0.54	21.6	0.07	1.38	1.9	<1	0.15	4.5
I077583		8.58	0.18	0.10	0.11	5740	10	<0.05	189.0	15.65	0.07	10.20	1.3	1	1.27	2.5
I077584		8.66	0.06	0.13	0.04	593	10	0.06	197.5	17.75	0.07	67.3	1.3	<1	0.60	2.1
I077585		8.94	0.10	0.19	0.06	891	10	0.05	227	16.70	0.07	13.45	1.9	<1	0.84	2.9
I077586		8.84	0.11	0.13	0.10	548	10	<0.05	689	17.60	0.07	11.35	2.2	<1	0.50	3.0

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 6- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10136196

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I077551		48.6	7.20	0.83	0.2	0.878	0.18	13.9	2.2	0.13	1260	1.38	0.02	0.9	11.6	710
I077552		44.3	9.99	0.86	0.4	0.828	0.34	14.9	5.2	0.15	1080	0.68	0.02	1.3	13.4	600
I077553		8.58	27.5	0.30	1.5	0.084	4.79	58.3	18.0	0.78	53	1.19	0.06	63.0	34.9	2590
I077554		5.05	25.8	0.26	1.4	0.075	4.23	64.6	19.8	0.89	86	0.73	0.06	64.8	30.9	1130
I077555		4.57	17.85	0.25	1.4	0.048	3.31	39.1	13.7	1.62	129	0.80	0.04	42.4	25.7	1130
I077556		12.05	5.55	0.23	0.7	0.019	1.02	4.0	6.6	8.19	707	0.25	0.01	7.8	13.4	210
I077557		10.95	1.09	0.11	0.1	0.126	0.05	5.7	1.7	9.25	4810	2.21	0.01	1.0	7.7	150
I077558		5.08	2.74	<0.05	0.4	0.020	0.48	4.1	5.1	10.90	931	0.10	0.01	3.9	6.4	140
I077559		3.23	4.75	<0.05	0.6	0.031	0.88	4.4	7.2	11.45	1160	0.12	0.01	5.2	6.8	260
I077560		9.40	3.57	0.07	0.3	0.025	0.54	4.2	4.2	9.29	1030	0.14	<0.01	2.9	8.3	240
I077561		23.8	5.12	0.24	0.6	0.021	0.60	1.6	4.1	3.52	383	0.17	0.01	6.2	18.2	230
I077562		16.35	1.36	0.16	0.1	0.037	0.16	6.0	2.2	5.80	1330	0.10	<0.01	1.2	10.1	60
I077563		18.55	1.46	0.17	0.2	0.047	0.18	3.3	3.9	5.91	1300	0.08	0.01	1.3	12.8	70
I077564		20.2	2.87	0.13	0.3	0.118	0.40	4.4	7.5	5.92	2210	0.07	0.01	2.7	4.9	170
I077565		15.15	0.74	0.14	<0.1	0.112	0.06	26.7	2.7	7.63	2690	0.05	<0.01	0.5	3.1	120
I077566		15.55	1.78	0.14	0.2	0.094	0.18	30.7	4.3	8.06	2490	0.07	0.01	2.7	4.3	170
I077567		14.60	1.03	0.09	0.1	0.070	0.12	6.8	3.0	8.51	2170	0.08	<0.01	0.8	4.2	110
I077568		0.44	0.35	0.23	<0.1	<0.005	0.03	0.8	1.2	11.90	188	0.09	0.01	0.3	2.2	200
I077569		13.15	1.37	0.09	0.1	0.068	0.13	24.0	3.0	8.42	2610	0.05	<0.01	0.8	4.3	140
I077570		10.75	0.48	0.05	<0.1	0.049	0.04	6.4	3.0	9.56	2780	0.05	<0.01	0.3	3.2	110
I077571		11.00	0.74	<0.05	<0.1	0.046	0.06	4.3	3.0	9.27	2390	0.24	<0.01	0.4	3.6	90
I077572		15.85	0.80	0.12	0.1	0.042	0.04	13.7	3.2	7.87	2220	0.06	<0.01	0.8	4.4	150
I077573		10.55	0.48	<0.05	<0.1	0.072	0.04	4.9	3.1	9.49	2830	0.05	<0.01	0.4	3.5	110
I077574		17.80	0.80	0.15	0.1	0.032	0.07	4.6	2.5	6.74	1450	0.09	<0.01	0.7	3.6	90
I077575		12.85	0.42	0.07	<0.1	0.045	0.02	6.5	3.4	9.17	2390	0.05	<0.01	0.4	3.0	110
I077576		12.10	0.43	0.08	<0.1	0.047	0.02	20.5	3.2	9.05	2290	0.18	<0.01	0.3	2.9	60
I077577		11.45	0.38	0.06	<0.1	0.057	0.02	11.6	3.9	9.60	2690	0.06	<0.01	0.3	4.0	90
I077578		16.30	1.52	0.10	0.2	0.116	0.10	6.8	3.6	7.71	3540	4.97	<0.01	1.5	12.6	210
I077579		11.30	0.43	0.21	<0.1	0.061	0.02	3.4	2.3	8.70	2570	0.08	0.01	0.4	0.8	90
I077580		13.55	0.42	0.09	<0.1	0.050	0.03	10.6	3.2	9.34	2630	0.12	<0.01	0.4	2.9	170
I077581		12.40	0.41	<0.05	<0.1	0.047	0.03	2.9	3.6	9.23	2750	0.06	0.02	0.4	2.7	130
I077582		0.49	0.45	0.17	<0.1	<0.005	0.03	0.7	1.7	13.15	215	0.35	<0.01	0.3	4.5	200
I077583		11.00	0.80	0.06	0.1	0.049	0.06	5.1	3.8	9.61	2340	0.12	<0.01	0.5	3.0	150
I077584		9.36	0.64	0.05	0.1	0.045	0.02	42.9	3.9	9.85	2830	0.06	<0.01	0.4	3.7	160
I077585		11.50	0.51	0.05	0.1	0.044	0.03	7.1	4.4	9.64	2690	0.09	<0.01	0.5	3.6	200
I077586		9.45	0.49	<0.05	0.1	0.050	0.03	5.8	3.7	9.79	3140	0.14	0.02	0.4	3.8	190

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 6- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10136196

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I077551		25.1	9.3	0.002	0.18	7.42	6.9	3	0.5	77.0	<0.05	0.17	2.6	0.018	0.30	5.6
I077552		20.9	19.8	0.002	0.27	5.08	8.7	5	0.9	131.5	0.05	0.22	2.5	0.027	0.36	6.8
I077553		4.0	106.0	<0.002	9.51	0.84	12.3	2	2.8	32.9	3.52	<0.05	11.8	0.563	0.63	0.8
I077554		2.9	114.0	0.002	5.20	0.64	12.9	2	4.0	27.6	3.64	<0.05	15.3	0.679	0.55	0.6
I077555		5.1	121.0	<0.002	4.69	0.96	7.2	3	4.5	20.7	3.17	<0.05	14.7	0.485	0.65	0.7
I077556		3.0	103.0	<0.002	>10.0	1.04	1.5	9	1.4	51.0	0.48	0.07	2.2	0.096	0.54	1.2
I077557		107.5	4.8	0.002	9.95	3.10	0.5	2	3.3	118.5	<0.05	0.09	0.7	0.008	0.07	0.4
I077558		2.6	51.1	<0.002	4.71	0.39	1.3	4	0.6	67.2	0.23	<0.05	1.2	0.047	0.29	0.5
I077559		2.3	95.6	<0.002	1.90	0.44	1.9	3	0.8	75.6	0.30	0.05	1.1	0.080	0.62	1.2
I077560		1.9	72.0	0.002	9.34	0.34	1.1	4	1.0	69.3	0.15	0.05	0.7	0.045	0.43	0.6
I077561		3.6	44.0	<0.002	>10.0	1.98	1.0	22	1.6	25.0	0.34	0.25	1.8	0.099	0.29	1.6
I077562		9.2	22.1	0.002	>10.0	15.25	0.9	7	0.4	58.2	0.06	1.16	0.2	0.015	0.14	0.3
I077563		14.9	24.4	0.003	>10.0	27.6	0.7	11	0.5	58.1	0.06	2.28	0.2	0.017	0.16	0.3
I077564		3.5	72.5	0.002	>10.0	9.90	0.9	3	0.9	78.7	0.15	0.41	0.5	0.038	0.37	0.5
I077565		2.6	5.6	0.002	>10.0	8.87	0.4	4	0.3	104.5	<0.05	0.67	0.9	0.006	0.06	0.4
I077566		3.8	12.2	0.002	>10.0	7.39	0.7	4	0.6	103.5	0.14	0.46	1.4	0.036	0.09	0.6
I077567		3.1	21.6	0.002	>10.0	4.39	0.6	6	0.3	87.8	<0.05	0.18	0.2	0.009	0.15	0.2
I077568		1.6	1.4	<0.002	0.03	<0.05	0.3	1	<0.2	42.6	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
I077569		3.0	24.6	<0.002	>10.0	4.04	0.5	3	0.3	106.5	<0.05	0.29	0.6	0.014	0.15	0.7
I077570		3.3	7.6	<0.002	>10.0	1.53	0.4	2	0.4	109.0	<0.05	0.10	<0.2	<0.005	0.05	0.2
I077571		4.4	13.1	<0.002	>10.0	2.18	0.5	3	0.3	99.4	<0.05	0.16	<0.2	0.006	0.08	0.1
I077572		10.0	8.5	0.003	>10.0	4.21	0.4	4	0.4	92.7	<0.05	0.42	0.3	0.010	0.07	0.6
I077573		3.6	7.9	0.002	>10.0	3.83	0.4	2	0.3	113.5	<0.05	0.32	<0.2	<0.005	0.06	0.2
I077574		5.5	14.6	<0.002	>10.0	9.67	0.4	6	0.9	67.6	<0.05	0.94	0.2	0.007	0.09	0.2
I077575		6.2	3.1	0.003	>10.0	4.69	0.5	4	0.8	99.5	<0.05	0.32	0.3	<0.005	0.05	0.4
I077576		4.7	2.9	0.002	>10.0	2.31	0.6	4	0.3	104.0	<0.05	0.14	0.4	<0.005	0.04	0.3
I077577		5.1	4.5	0.002	>10.0	2.05	0.6	4	0.4	116.0	<0.05	0.14	0.2	<0.005	0.05	0.1
I077578		8.7	15.6	0.003	>10.0	11.10	0.6	2	2.2	91.0	0.07	0.21	0.5	0.021	0.22	0.5
I077579		4.4	3.3	<0.002	>10.0	3.73	0.5	3	0.2	108.0	<0.05	0.14	<0.2	<0.005	0.04	0.4
I077580		4.3	4.9	<0.002	>10.0	2.53	0.5	4	0.3	110.0	<0.05	0.12	<0.2	0.005	0.05	0.3
I077581		6.9	4.8	0.002	>10.0	2.78	0.5	3	0.3	107.0	<0.05	0.17	<0.2	0.005	0.06	0.2
I077582		1.7	1.4	<0.002	0.04	<0.05	0.4	2	<0.2	46.8	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
I077583		4.2	10.7	<0.002	>10.0	3.19	0.5	3	0.4	100.5	<0.05	0.17	<0.2	0.008	0.10	0.3
I077584		4.5	3.5	<0.002	9.90	2.01	0.5	3	0.4	116.0	<0.05	0.12	0.2	<0.005	0.04	0.6
I077585		5.1	7.2	<0.002	>10.0	2.54	0.5	3	0.4	107.0	<0.05	0.13	0.2	0.006	0.05	1.2
I077586		4.7	3.7	<0.002	9.94	6.14	0.6	2	0.3	118.0	<0.05	0.32	<0.2	0.007	0.05	0.2

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1016- 510 W HASTINGS ST
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Finalized Date: 6- OCT- 2010
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CERTIFICATE OF ANALYSIS VA10136196

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	As- OG62
	Analyte	V	W	Y	Zn	Zr	As
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
I077551		44	97.4	17.2	1500	8.8	3.39
I077552		54	86.5	23.5	926	16.0	3.19
I077553		126	1.7	28.7	32	63.3	
I077554		97	4.6	25.3	24	59.7	
I077555		74	6.0	16.0	61	49.8	
I077556		20	3.5	5.2	14	31.0	
I077557		7	135.5	6.2	499	3.6	
I077558		12	0.8	5.5	14	16.2	
I077559		18	2.0	6.7	17	27.6	
I077560		19	107.5	5.7	13	13.7	
I077561		19	33.1	2.6	6	28.5	
I077562		6	169.5	6.1	9	5.7	
I077563		8	329	6.2	9	7.1	
I077564		10	168.0	6.6	12	14.3	4.88
I077565		4	171.0	6.9	14	2.2	2.75
I077566		10	77.8	8.4	13	8.7	1.565
I077567		7	105.5	6.0	12	3.6	1.185
I077568		2	0.3	0.9	14	<0.5	
I077569		6	24.8	9.9	14	4.2	
I077570		5	83.0	7.2	12	1.5	
I077571		7	40.2	7.0	15	2.0	
I077572		6	187.5	6.2	13	5.0	
I077573		5	166.5	7.1	14	2.1	1.170
I077574		5	54.6	5.9	11	3.5	
I077575		5	253	7.3	16	1.7	
I077576		6	101.0	7.7	14	1.2	
I077577		7	105.5	8.8	18	1.3	
I077578		8	62.9	7.5	66	7.4	2.78
I077579		7	10.8	7.5	13	1.3	
I077580		8	12.0	7.8	15	2.1	
I077581		6	204	5.9	19	2.3	
I077582		2	0.3	0.9	16	<0.5	
I077583		7	58.7	7.0	19	3.5	
I077584		5	72.6	8.0	16	2.3	
I077585		5	41.2	6.4	15	3.1	
I077586		6	29.4	6.0	17	2.9	

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Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10136196

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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Finalized Date: 6- OCT- 2010
This copy reported on 29- NOV- 2010
Account: RCM

CERTIFICATE VA10136196

Project: RAU

P.O. No.: BATCH 86

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 24- SEP- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- 31	Fine crushing - 70% < 2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
As- OG62	Ore Grade As - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS VA10136196

Sample Description	Method	WEI- 21	Au- AA26	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
I077551		8.14	2.37	0.15	1.13	>10000	860	0.36	91.8	0.84	10.75	27.5	3.1	29	0.97	86.3
I077552		7.56	3.00	0.18	1.71	>10000	590	0.62	192.5	0.74	14.90	33.7	3.1	37	1.47	115.0
I077553		8.82	0.02	0.22	9.13	71.9	100	1.65	0.91	0.66	0.07	126.0	13.1	107	5.09	17.7
I077554		6.78	0.02	0.17	8.31	126.0	130	1.57	1.66	0.98	0.07	131.0	11.1	94	5.50	9.7
I077555		4.10	0.05	0.27	6.74	62.9	320	1.08	4.42	1.48	0.26	75.0	10.8	55	7.64	10.3
I077556		7.88	0.06	0.33	1.41	412	160	0.22	63.1	13.70	0.04	7.67	4.5	12	7.03	15.7
I077557		0.28	0.42	1.73	0.15	6650	50	0.09	70.3	16.55	2.32	13.50	1.8	7	0.35	16.0
I077558		7.88	0.02	0.17	0.69	139	150	0.17	9.69	18.85	0.03	7.56	2.5	8	3.70	10.2
I077559		5.12	0.02	0.11	1.07	2230	260	0.24	1.17	19.65	0.05	9.09	2.2	12	9.33	14.4
I077560		8.14	0.03	0.22	0.63	374	100	0.19	9.48	15.90	0.02	9.55	1.4	6	6.79	19.2
I077561		6.68	0.24	0.45	1.06	1085	160	0.28	91.3	6.00	0.02	3.58	4.3	23	2.78	9.8
I077562		9.72	0.88	0.17	0.26	4430	50	0.09	1755	10.30	0.03	11.10	1.3	5	1.58	10.1
I077563		4.54	2.85	0.22	0.28	9000	50	0.12	3220	10.40	0.03	7.15	1.4	7	1.87	10.5
I077564		9.98	3.69	1.07	0.55	>10000	50	0.17	151.0	11.50	0.05	9.51	1.3	2	4.60	7.8
I077565		10.14	3.01	0.10	0.08	>10000	20	0.06	165.0	14.10	0.05	43.3	0.9	<1	0.63	2.8
I077566		9.80	1.51	0.14	0.38	>10000	80	0.08	181.5	14.50	0.06	51.1	1.3	2	0.89	2.8
I077567		9.30	1.15	0.16	0.18	>10000	20	0.06	143.0	15.10	0.04	12.90	1.2	2	1.62	5.5
I077568		5.06	<0.01	0.01	0.07	17	10	<0.05	0.55	19.45	0.08	1.61	1.2	1	0.18	2.2
I077569		9.38	0.22	0.12	0.18	6420	10	0.08	580	15.40	0.06	40.4	1.2	1	1.95	4.8
I077570		8.92	0.09	0.09	0.07	1700	10	<0.05	63.3	16.90	0.06	12.70	1.1	<1	0.65	2.8
I077571		9.06	0.09	0.10	0.11	839	10	<0.05	165.0	16.40	0.10	9.41	1.1	<1	1.02	4.2
I077572		9.04	0.22	0.18	0.11	3460	10	0.06	437	12.85	0.07	23.2	1.2	<1	0.75	4.3
I077573		9.02	0.35	0.08	0.06	>10000	10	<0.05	246	17.05	0.06	10.45	1.1	<1	0.76	2.6
I077574		9.10	0.07	0.16	0.11	1920	10	0.08	1185	10.80	0.05	9.33	1.7	2	1.13	3.1
I077575		9.08	0.04	0.13	0.04	742	10	0.05	509	15.65	0.07	12.10	1.1	<1	0.57	2.1
I077576		9.06	0.06	0.10	0.04	600	10	<0.05	231	15.30	0.06	31.5	1.2	1	0.55	2.4
I077577		9.04	0.06	0.12	0.04	615	10	<0.05	213	16.50	0.08	20.5	1.1	4	0.65	2.1
I077578		0.28	1.82	0.41	0.25	>10000	20	0.12	288	14.40	0.24	14.30	3.0	8	1.16	25.8
I077579		9.06	0.24	0.09	0.03	698	10	<0.05	154.0	15.35	0.07	7.87	0.9	1	0.41	1.3
I077580		9.16	0.11	0.14	0.05	972	10	0.05	140.5	16.15	0.06	18.45	1.2	<1	0.59	2.3
I077581		9.10	0.09	0.13	0.05	666	10	0.06	243	16.05	0.10	6.78	1.1	<1	0.63	1.8
I077582		5.48	<0.01	0.02	0.08	12	20	0.09	0.54	21.6	0.07	1.38	1.9	<1	0.15	4.5
I077583		8.58	0.18	0.10	0.11	5740	10	<0.05	189.0	15.65	0.07	10.20	1.3	1	1.27	2.5
I077584		8.66	0.06	0.13	0.04	593	10	0.06	197.5	17.75	0.07	67.3	1.3	<1	0.60	2.1
I077585		8.94	0.10	0.19	0.06	891	10	0.05	227	16.70	0.07	13.45	1.9	<1	0.84	2.9
I077586		8.84	0.11	0.13	0.10	548	10	<0.05	689	17.60	0.07	11.35	2.2	<1	0.50	3.0

Comments: **CORRECTED COPY FOR Au- AA26 ON SAMPLES I077558 TO I077567**

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 6- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10136196

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I077551		48.6	7.20	0.83	0.2	0.878	0.18	13.9	2.2	0.13	1260	1.38	0.02	0.9	11.6	710
I077552		44.3	9.99	0.86	0.4	0.828	0.34	14.9	5.2	0.15	1080	0.68	0.02	1.3	13.4	600
I077553		8.58	27.5	0.30	1.5	0.084	4.79	58.3	18.0	0.78	53	1.19	0.06	63.0	34.9	2590
I077554		5.05	25.8	0.26	1.4	0.075	4.23	64.6	19.8	0.89	86	0.73	0.06	64.8	30.9	1130
I077555		4.57	17.85	0.25	1.4	0.048	3.31	39.1	13.7	1.62	129	0.80	0.04	42.4	25.7	1130
I077556		12.05	5.55	0.23	0.7	0.019	1.02	4.0	6.6	8.19	707	0.25	0.01	7.8	13.4	210
I077557		10.95	1.09	0.11	0.1	0.126	0.05	5.7	1.7	9.25	4810	2.21	0.01	1.0	7.7	150
I077558		5.08	2.74	<0.05	0.4	0.020	0.48	4.1	5.1	10.90	931	0.10	0.01	3.9	6.4	140
I077559		3.23	4.75	<0.05	0.6	0.031	0.88	4.4	7.2	11.45	1160	0.12	0.01	5.2	6.8	260
I077560		9.40	3.57	0.07	0.3	0.025	0.54	4.2	4.2	9.29	1030	0.14	<0.01	2.9	8.3	240
I077561		23.8	5.12	0.24	0.6	0.021	0.60	1.6	4.1	3.52	383	0.17	0.01	6.2	18.2	230
I077562		16.35	1.36	0.16	0.1	0.037	0.16	6.0	2.2	5.80	1330	0.10	<0.01	1.2	10.1	60
I077563		18.55	1.46	0.17	0.2	0.047	0.18	3.3	3.9	5.91	1300	0.08	0.01	1.3	12.8	70
I077564		20.2	2.87	0.13	0.3	0.118	0.40	4.4	7.5	5.92	2210	0.07	0.01	2.7	4.9	170
I077565		15.15	0.74	0.14	<0.1	0.112	0.06	26.7	2.7	7.63	2690	0.05	<0.01	0.5	3.1	120
I077566		15.55	1.78	0.14	0.2	0.094	0.18	30.7	4.3	8.06	2490	0.07	0.01	2.7	4.3	170
I077567		14.60	1.03	0.09	0.1	0.070	0.12	6.8	3.0	8.51	2170	0.08	<0.01	0.8	4.2	110
I077568		0.44	0.35	0.23	<0.1	<0.005	0.03	0.8	1.2	11.90	188	0.09	0.01	0.3	2.2	200
I077569		13.15	1.37	0.09	0.1	0.068	0.13	24.0	3.0	8.42	2610	0.05	<0.01	0.8	4.3	140
I077570		10.75	0.48	0.05	<0.1	0.049	0.04	6.4	3.0	9.56	2780	0.05	<0.01	0.3	3.2	110
I077571		11.00	0.74	<0.05	<0.1	0.046	0.06	4.3	3.0	9.27	2390	0.24	<0.01	0.4	3.6	90
I077572		15.85	0.80	0.12	0.1	0.042	0.04	13.7	3.2	7.87	2220	0.06	<0.01	0.8	4.4	150
I077573		10.55	0.48	<0.05	<0.1	0.072	0.04	4.9	3.1	9.49	2830	0.05	<0.01	0.4	3.5	110
I077574		17.80	0.80	0.15	0.1	0.032	0.07	4.6	2.5	6.74	1450	0.09	<0.01	0.7	3.6	90
I077575		12.85	0.42	0.07	<0.1	0.045	0.02	6.5	3.4	9.17	2390	0.05	<0.01	0.4	3.0	110
I077576		12.10	0.43	0.08	<0.1	0.047	0.02	20.5	3.2	9.05	2290	0.18	<0.01	0.3	2.9	60
I077577		11.45	0.38	0.06	<0.1	0.057	0.02	11.6	3.9	9.60	2690	0.06	<0.01	0.3	4.0	90
I077578		16.30	1.52	0.10	0.2	0.116	0.10	6.8	3.6	7.71	3540	4.97	<0.01	1.5	12.6	210
I077579		11.30	0.43	0.21	<0.1	0.061	0.02	3.4	2.3	8.70	2570	0.08	0.01	0.4	0.8	90
I077580		13.55	0.42	0.09	<0.1	0.050	0.03	10.6	3.2	9.34	2630	0.12	<0.01	0.4	2.9	170
I077581		12.40	0.41	<0.05	<0.1	0.047	0.03	2.9	3.6	9.23	2750	0.06	0.02	0.4	2.7	130
I077582		0.49	0.45	0.17	<0.1	<0.005	0.03	0.7	1.7	13.15	215	0.35	<0.01	0.3	4.5	200
I077583		11.00	0.80	0.06	0.1	0.049	0.06	5.1	3.8	9.61	2340	0.12	<0.01	0.5	3.0	150
I077584		9.36	0.64	0.05	0.1	0.045	0.02	42.9	3.9	9.85	2830	0.06	<0.01	0.4	3.7	160
I077585		11.50	0.51	0.05	0.1	0.044	0.03	7.1	4.4	9.64	2690	0.09	<0.01	0.5	3.6	200
I077586		9.45	0.49	<0.05	0.1	0.050	0.03	5.8	3.7	9.79	3140	0.14	0.02	0.4	3.8	190

Comments: **CORRECTED COPY FOR Au- AA26 ON SAMPLES I077558 TO I077567**

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 6- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10136196

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I077551		25.1	9.3	0.002	0.18	7.42	6.9	3	0.5	77.0	<0.05	0.17	2.6	0.018	0.30	5.6
I077552		20.9	19.8	0.002	0.27	5.08	8.7	5	0.9	131.5	0.05	0.22	2.5	0.027	0.36	6.8
I077553		4.0	106.0	<0.002	9.51	0.84	12.3	2	2.8	32.9	3.52	<0.05	11.8	0.563	0.63	0.8
I077554		2.9	114.0	0.002	5.20	0.64	12.9	2	4.0	27.6	3.64	<0.05	15.3	0.679	0.55	0.6
I077555		5.1	121.0	<0.002	4.69	0.96	7.2	3	4.5	20.7	3.17	<0.05	14.7	0.485	0.65	0.7
I077556		3.0	103.0	<0.002	>10.0	1.04	1.5	9	1.4	51.0	0.48	0.07	2.2	0.096	0.54	1.2
I077557		107.5	4.8	0.002	9.95	3.10	0.5	2	3.3	118.5	<0.05	0.09	0.7	0.008	0.07	0.4
I077558		2.6	51.1	<0.002	4.71	0.39	1.3	4	0.6	67.2	0.23	<0.05	1.2	0.047	0.29	0.5
I077559		2.3	95.6	<0.002	1.90	0.44	1.9	3	0.8	75.6	0.30	0.05	1.1	0.080	0.62	1.2
I077560		1.9	72.0	0.002	9.34	0.34	1.1	4	1.0	69.3	0.15	0.05	0.7	0.045	0.43	0.6
I077561		3.6	44.0	<0.002	>10.0	1.98	1.0	22	1.6	25.0	0.34	0.25	1.8	0.099	0.29	1.6
I077562		9.2	22.1	0.002	>10.0	15.25	0.9	7	0.4	58.2	0.06	1.16	0.2	0.015	0.14	0.3
I077563		14.9	24.4	0.003	>10.0	27.6	0.7	11	0.5	58.1	0.06	2.28	0.2	0.017	0.16	0.3
I077564		3.5	72.5	0.002	>10.0	9.90	0.9	3	0.9	78.7	0.15	0.41	0.5	0.038	0.37	0.5
I077565		2.6	5.6	0.002	>10.0	8.87	0.4	4	0.3	104.5	<0.05	0.67	0.9	0.006	0.06	0.4
I077566		3.8	12.2	0.002	>10.0	7.39	0.7	4	0.6	103.5	0.14	0.46	1.4	0.036	0.09	0.6
I077567		3.1	21.6	0.002	>10.0	4.39	0.6	6	0.3	87.8	<0.05	0.18	0.2	0.009	0.15	0.2
I077568		1.6	1.4	<0.002	0.03	<0.05	0.3	1	<0.2	42.6	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
I077569		3.0	24.6	<0.002	>10.0	4.04	0.5	3	0.3	106.5	<0.05	0.29	0.6	0.014	0.15	0.7
I077570		3.3	7.6	<0.002	>10.0	1.53	0.4	2	0.4	109.0	<0.05	0.10	<0.2	<0.005	0.05	0.2
I077571		4.4	13.1	<0.002	>10.0	2.18	0.5	3	0.3	99.4	<0.05	0.16	<0.2	0.006	0.08	0.1
I077572		10.0	8.5	0.003	>10.0	4.21	0.4	4	0.4	92.7	<0.05	0.42	0.3	0.010	0.07	0.6
I077573		3.6	7.9	0.002	>10.0	3.83	0.4	2	0.3	113.5	<0.05	0.32	<0.2	<0.005	0.06	0.2
I077574		5.5	14.6	<0.002	>10.0	9.67	0.4	6	0.9	67.6	<0.05	0.94	0.2	0.007	0.09	0.2
I077575		6.2	3.1	0.003	>10.0	4.69	0.5	4	0.8	99.5	<0.05	0.32	0.3	<0.005	0.05	0.4
I077576		4.7	2.9	0.002	>10.0	2.31	0.6	4	0.3	104.0	<0.05	0.14	0.4	<0.005	0.04	0.3
I077577		5.1	4.5	0.002	>10.0	2.05	0.6	4	0.4	116.0	<0.05	0.14	0.2	<0.005	0.05	0.1
I077578		8.7	15.6	0.003	>10.0	11.10	0.6	2	2.2	91.0	0.07	0.21	0.5	0.021	0.22	0.5
I077579		4.4	3.3	<0.002	>10.0	3.73	0.5	3	0.2	108.0	<0.05	0.14	<0.2	<0.005	0.04	0.4
I077580		4.3	4.9	<0.002	>10.0	2.53	0.5	4	0.3	110.0	<0.05	0.12	<0.2	0.005	0.05	0.3
I077581		6.9	4.8	0.002	>10.0	2.78	0.5	3	0.3	107.0	<0.05	0.17	<0.2	0.005	0.06	0.2
I077582		1.7	1.4	<0.002	0.04	<0.05	0.4	2	<0.2	46.8	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
I077583		4.2	10.7	<0.002	>10.0	3.19	0.5	3	0.4	100.5	<0.05	0.17	<0.2	0.008	0.10	0.3
I077584		4.5	3.5	<0.002	9.90	2.01	0.5	3	0.4	116.0	<0.05	0.12	0.2	<0.005	0.04	0.6
I077585		5.1	7.2	<0.002	>10.0	2.54	0.5	3	0.4	107.0	<0.05	0.13	0.2	0.006	0.05	1.2
I077586		4.7	3.7	<0.002	9.94	6.14	0.6	2	0.3	118.0	<0.05	0.32	<0.2	0.007	0.05	0.2

Comments: **CORRECTED COPY FOR Au- AA26 ON SAMPLES I077558 TO I077567**

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VANCOUVER BC V6B 1L8

Finalized Date: 6- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10136196

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	As- OG62
	Analyte	V	W	Y	Zn	Zr	As
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
I077551		44	97.4	17.2	1500	8.8	3.39
I077552		54	86.5	23.5	926	16.0	3.19
I077553		126	1.7	28.7	32	63.3	
I077554		97	4.6	25.3	24	59.7	
I077555		74	6.0	16.0	61	49.8	
I077556		20	3.5	5.2	14	31.0	
I077557		7	135.5	6.2	499	3.6	
I077558		12	0.8	5.5	14	16.2	
I077559		18	2.0	6.7	17	27.6	
I077560		19	107.5	5.7	13	13.7	
I077561		19	33.1	2.6	6	28.5	
I077562		6	169.5	6.1	9	5.7	
I077563		8	329	6.2	9	7.1	
I077564		10	168.0	6.6	12	14.3	4.88
I077565		4	171.0	6.9	14	2.2	2.75
I077566		10	77.8	8.4	13	8.7	1.565
I077567		7	105.5	6.0	12	3.6	1.185
I077568		2	0.3	0.9	14	<0.5	
I077569		6	24.8	9.9	14	4.2	
I077570		5	83.0	7.2	12	1.5	
I077571		7	40.2	7.0	15	2.0	
I077572		6	187.5	6.2	13	5.0	
I077573		5	166.5	7.1	14	2.1	1.170
I077574		5	54.6	5.9	11	3.5	
I077575		5	253	7.3	16	1.7	
I077576		6	101.0	7.7	14	1.2	
I077577		7	105.5	8.8	18	1.3	
I077578		8	62.9	7.5	66	7.4	2.78
I077579		7	10.8	7.5	13	1.3	
I077580		8	12.0	7.8	15	2.1	
I077581		6	204	5.9	19	2.3	
I077582		2	0.3	0.9	16	<0.5	
I077583		7	58.7	7.0	19	3.5	
I077584		5	72.6	8.0	16	2.3	
I077585		5	41.2	6.4	15	3.1	
I077586		6	29.4	6.0	17	2.9	

Comments: **CORRECTED COPY FOR Au- AA26 ON SAMPLES I077558 TO I077567**

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 6- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10136196

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 15- OCT- 2010
Account: RCM

CERTIFICATE VA10139130

Project: RAU

P.O. No.: Batch 87

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 28- SEP- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% < 2mm
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
As- OG62	Ore Grade As - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 15- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10139130

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
I077587		8.84	0.14	0.15	0.07	2920	10	0.17	61.7	16.75	0.10	13.00	1.3	<1	0.66	2.0
I077588		8.76	0.10	0.12	0.08	763	10	<0.05	54.9	17.35	0.10	11.00	1.2	<1	0.65	1.7
I077589		8.80	0.10	0.14	0.04	712	10	0.05	33.8	18.00	0.10	10.10	1.6	<1	0.66	2.7
I077590		5.14	0.07	0.13	0.09	248	10	0.05	15.65	19.35	0.13	9.44	3.4	<1	1.08	1.1
I077591		5.52	0.01	0.15	7.71	100.5	270	1.82	13.10	4.30	0.06	196.0	17.6	54	51.1	11.4
I077592		8.72	4.69	0.29	1.04	>10000	380	0.52	450	1.56	17.45	22.5	2.3	27	0.86	62.0
I077593		7.74	2.44	0.19	0.82	>10000	310	0.38	132.0	9.67	8.87	18.30	2.6	9	0.82	34.3
I077594		4.26	1.90	0.29	1.25	>10000	270	0.54	183.0	7.68	5.46	16.60	5.7	9	0.67	226
I077595		7.68	0.01	<0.01	0.11	134	20	0.09	0.76	22.0	0.11	1.37	1.5	<1	0.13	2.3
I077596		4.52	2.62	0.23	0.94	8990	220	0.38	94.4	15.35	2.99	11.70	5.8	6	0.91	74.0
I077597		9.22	0.28	0.11	0.79	2950	250	0.39	29.3	18.55	1.02	9.65	4.2	6	2.09	20.7
I077598		9.64	0.20	0.08	0.41	2560	70	0.16	12.30	17.85	0.59	9.98	4.4	4	0.82	4.6
I077599		8.20	0.19	0.13	3.32	5550	500	1.34	7.93	9.71	4.66	20.3	15.8	18	5.55	47.2
I077600		4.66	0.14	0.12	4.26	3340	3080	1.83	9.11	7.62	4.79	34.7	29.2	22	9.02	29.8
I077601		9.98	0.07	0.06	2.84	1170	4360	0.81	3.60	14.20	1.31	34.0	13.4	17	7.80	10.3
I077602		4.04	0.06	0.12	4.44	1780	3730	1.16	2.09	9.62	1.30	80.7	18.3	29	7.60	25.0
I077603		0.28	1.46	0.54	5.02	85.7	90	1.36	1.40	0.99	0.14	14.90	22.2	151	27.0	477
I077604		7.28	0.23	0.27	8.69	4360	3950	2.31	2.41	1.32	2.00	113.5	55.0	60	8.60	65.2
I077605		8.86	0.09	0.15	7.40	7630	2190	1.74	3.79	4.93	3.55	82.7	38.2	52	6.75	51.8
I077606		9.02	0.08	0.12	6.56	9150	1950	1.61	4.35	0.79	5.78	77.4	34.3	44	4.88	38.3
I077607		10.04	0.05	0.12	6.41	7350	1590	1.84	3.00	0.60	3.20	69.7	33.9	47	7.43	40.0
I077608		3.90	0.07	0.04	7.92	4050	1440	2.09	1.81	0.39	1.06	128.5	23.4	73	17.45	22.0
I077609		5.10	0.08	0.20	5.70	6210	1230	1.62	2.94	0.57	3.06	42.4	30.2	48	6.42	25.6
I077610		3.96	0.07	0.54	4.99	>10000	1420	1.37	7.70	0.33	4.78	33.3	21.9	43	4.30	45.0
I077611		9.76	0.06	6.26	1.93	>10000	370	0.83	36.0	0.78	25.1	45.5	8.5	35	0.25	86.5
I077612		6.74	0.05	11.65	1.72	>10000	450	0.65	29.2	0.73	27.9	47.1	6.1	22	0.23	67.0
I077613		3.84	0.06	11.00	1.84	>10000	470	0.71	24.8	0.67	24.2	48.8	6.3	23	0.24	65.2
I077614		7.32	<0.01	0.02	0.42	56	30	0.08	0.13	19.60	0.15	2.14	1.7	<1	0.17	4.4
I077615		6.36	0.06	10.40	1.92	>10000	550	0.72	36.7	0.85	28.1	54.7	7.6	29	0.39	93.0
I077616		10.60	0.03	8.06	2.02	>10000	990	0.96	23.7	0.49	23.5	52.8	8.7	27	7.20	69.9
I077617		6.92	0.05	5.55	1.40	>10000	240	0.67	17.20	0.44	14.20	37.5	6.7	15	2.01	49.1
I077618		0.26	8.61	21.7	5.08	10.7	40	1.43	1.21	1.42	0.07	5.53	8.7	35	57.2	16.6
I077619		10.16	0.17	9.03	2.04	>10000	380	0.93	57.9	0.68	24.6	68.6	4.9	35	0.99	84.9
I077620		10.66	0.01	0.12	1.50	268	330	0.64	0.25	26.8	0.20	24.2	8.1	18	0.92	10.7
I077621		10.04	0.02	0.56	0.38	201	270	0.16	1.27	33.6	0.45	6.81	2.5	14	0.88	5.4
I077622		3.46	0.02	0.37	0.36	185	250	0.10	1.72	32.0	0.41	6.41	1.5	10	0.73	4.8

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 15- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10139130

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I077587		9.72	0.64	0.13	<0.1	0.057	0.04	6.8	1.7	9.31	2430	0.16	0.01	0.6	2.9	140
I077588		8.48	0.66	0.09	0.1	0.052	0.04	5.3	1.8	9.77	2340	0.07	0.01	0.6	2.1	130
I077589		9.63	0.51	0.10	<0.1	0.061	0.02	4.8	1.9	10.35	2640	0.17	0.01	0.4	2.3	70
I077590		6.21	0.82	<0.05	0.1	0.063	0.04	3.9	2.5	10.20	3060	0.06	0.02	0.6	6.4	200
I077591		7.77	32.7	0.26	1.9	0.047	4.91	81.2	28.9	4.56	389	0.67	0.17	40.2	91.1	3380
I077592		42.6	8.66	0.69	0.1	0.764	0.23	9.9	2.8	0.14	1300	0.73	0.02	0.9	9.5	520
I077593		30.8	4.96	0.43	0.1	0.349	0.26	7.7	3.5	3.83	2260	0.42	0.02	0.9	5.8	410
I077594		40.7	4.57	0.58	0.2	0.284	0.20	8.0	2.4	2.71	2260	0.46	0.01	1.7	13.4	490
I077595		0.64	0.30	<0.05	<0.1	0.006	0.03	0.7	1.3	12.95	239	0.10	0.02	0.3	<0.2	190
I077596		23.1	3.65	0.29	0.2	0.085	0.24	5.9	3.8	6.01	2010	0.48	0.01	1.7	11.9	390
I077597		9.68	3.35	0.10	0.3	0.041	0.32	5.8	7.1	9.44	1820	0.32	0.02	2.8	9.0	290
I077598		6.90	2.19	0.05	0.3	0.044	0.06	5.2	2.8	9.76	1780	0.55	0.01	1.8	10.7	240
I077599		19.35	8.47	0.26	1.1	0.151	0.41	10.0	22.1	7.39	2360	0.45	0.02	5.4	48.0	670
I077600		19.30	12.35	0.31	2.0	0.030	0.94	19.8	35.7	7.29	1800	0.58	0.03	9.2	79.7	930
I077601		5.09	8.53	0.07	1.5	0.023	1.23	18.3	14.5	9.02	622	0.50	0.06	13.5	44.5	680
I077602		7.32	13.40	0.14	0.7	0.039	1.72	40.6	16.6	6.94	467	0.68	0.05	16.7	55.9	1830
I077603		1.95	13.90	0.10	1.7	0.053	3.49	8.4	9.0	0.37	286	4.99	1.23	2.5	477	450
I077604		14.40	25.5	0.42	1.6	0.109	3.37	52.9	29.9	1.31	471	1.08	0.07	12.1	156.0	3950
I077605		17.30	21.8	0.38	2.1	0.130	3.11	32.4	23.9	0.85	730	0.79	0.09	12.3	116.5	2620
I077606		24.4	18.05	0.47	1.0	0.119	2.74	27.6	16.4	0.61	1430	0.47	0.08	4.1	100.5	3140
I077607		25.8	18.80	0.45	0.6	0.125	2.78	28.1	16.0	0.75	1700	0.39	0.06	5.0	118.5	3300
I077608		17.05	18.50	0.28	0.2	0.145	3.48	64.3	24.0	1.72	598	0.41	0.03	46.5	164.0	1550
I077609		29.7	15.10	0.49	0.7	0.118	2.63	20.6	14.7	0.76	2440	0.58	0.04	15.5	96.1	3050
I077610		32.4	17.35	0.55	0.3	0.148	2.23	17.5	11.0	0.44	2330	0.89	0.03	4.3	58.6	1930
I077611		49.5	9.15	0.87	0.2	0.526	0.17	21.7	2.5	0.13	2080	1.70	0.01	1.3	21.3	1420
I077612		49.6	6.47	0.81	0.1	0.361	0.27	28.3	2.6	0.18	2250	2.01	0.01	1.2	19.5	1200
I077613		49.9	6.42	0.81	0.2	0.326	0.33	29.9	3.0	0.20	2330	1.85	0.01	1.4	20.2	1330
I077614		0.69	1.00	0.06	0.1	0.008	0.06	1.0	2.2	11.60	248	0.08	0.11	0.4	1.6	210
I077615		49.0	8.10	0.85	0.1	0.459	0.21	29.3	2.5	0.15	2410	2.62	0.01	1.2	24.5	1240
I077616		47.4	8.05	1.01	0.3	0.326	0.45	23.7	7.9	0.20	2190	2.31	0.01	2.0	24.0	620
I077617		>50	4.21	0.82	0.2	0.205	0.21	21.2	2.5	0.13	2870	1.35	0.01	1.7	21.0	580
I077618		2.20	15.40	0.09	0.9	0.021	3.64	2.3	20.2	0.63	310	22.7	1.16	1.8	13.4	650
I077619		44.6	7.82	0.86	0.3	0.553	0.26	34.9	3.0	0.13	1180	1.44	0.01	1.8	18.8	1200
I077620		2.38	4.59	<0.05	0.8	0.027	0.68	19.7	4.7	1.85	368	0.22	<0.01	7.1	18.7	770
I077621		1.16	0.94	<0.05	0.2	0.014	0.18	3.9	1.8	0.65	307	0.33	<0.01	2.4	4.4	60
I077622		0.93	0.81	<0.05	0.2	0.017	0.17	3.8	1.8	1.00	201	0.47	<0.01	2.0	3.0	30

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 15- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10139130

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I077587		11.9	4.6	<0.002	9.58	1.90	0.3	2	0.3	103.5	<0.05	0.12	<0.2	<0.005	0.06	0.2
I077588		4.1	4.8	<0.002	8.24	1.27	0.4	2	0.4	108.5	<0.05	0.07	<0.2	0.005	0.05	0.2
I077589		4.3	2.7	<0.002	9.32	1.08	0.3	2	0.4	115.5	<0.05	0.06	<0.2	<0.005	0.07	0.1
I077590		5.6	7.1	<0.002	4.91	0.44	0.6	2	0.4	115.0	<0.05	<0.05	<0.2	0.010	0.09	0.2
I077591		2.9	560	<0.002	4.03	9.43	13.9	3	35.0	72.1	2.52	0.06	5.8	1.280	5.85	3.1
I077592		21.2	15.4	0.002	0.28	17.40	11.1	7	0.6	176.0	<0.05	0.66	2.1	0.014	0.26	7.4
I077593		10.9	18.0	0.002	0.33	17.50	7.2	8	0.6	239	<0.05	0.98	0.8	0.017	0.22	5.5
I077594		19.3	13.0	<0.002	0.08	3.78	6.4	9	0.6	47.8	0.09	0.15	1.0	0.034	0.10	4.2
I077595		1.2	1.2	<0.002	0.01	0.07	0.5	1	<0.2	42.2	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
I077596		30.2	20.9	<0.002	0.05	3.10	3.0	4	0.7	45.8	0.09	0.13	0.5	0.032	0.12	2.1
I077597		9.5	31.1	<0.002	0.02	1.69	1.9	3	0.8	51.7	0.17	0.09	0.6	0.066	0.25	0.9
I077598		5.5	8.7	<0.002	0.02	1.01	1.5	2	0.8	52.4	0.11	0.05	0.5	0.041	0.16	0.7
I077599		27.2	49.2	0.002	0.03	1.95	5.8	2	1.5	41.4	0.34	0.07	1.8	0.170	0.83	4.1
I077600		18.0	52.5	0.003	0.05	1.24	8.9	2	1.9	64.6	0.60	<0.05	2.8	0.317	0.87	5.6
I077601		2.1	76.2	<0.002	0.02	0.71	5.6	2	1.4	101.0	0.82	0.06	2.0	0.387	0.63	1.4
I077602		2.2	87.1	<0.002	0.07	1.15	8.9	2	1.9	63.8	1.02	<0.05	2.7	0.510	0.67	1.1
I077603		171.5	940	0.002	0.31	2.58	3.4	1	3.1	48.8	1.90	0.16	2.1	0.084	8.41	0.8
I077604		6.8	102.0	<0.002	0.05	4.28	23.4	4	2.0	46.6	0.73	<0.05	4.8	0.444	0.82	3.4
I077605		11.9	62.0	0.002	0.07	2.28	19.0	3	1.4	45.2	0.82	<0.05	4.9	0.435	0.73	4.8
I077606		4.3	50.5	<0.002	0.09	1.19	14.3	3	1.1	43.2	0.29	<0.05	2.8	0.199	0.55	3.9
I077607		5.3	49.2	<0.002	0.17	0.58	14.3	3	1.0	76.5	0.40	<0.05	2.9	0.306	0.78	2.9
I077608		7.6	161.0	<0.002	0.18	0.66	18.1	2	2.5	63.6	2.99	<0.05	4.9	1.915	0.99	1.5
I077609		5.4	53.2	<0.002	0.16	0.65	13.5	3	1.4	51.8	1.22	<0.05	2.9	0.909	0.57	2.6
I077610		9.0	46.1	<0.002	0.08	0.81	11.9	2	1.2	33.8	0.32	<0.05	3.1	0.304	0.49	2.8
I077611		17.1	5.0	<0.002	0.09	2.98	9.1	3	0.3	56.2	0.05	0.23	2.9	0.027	0.21	8.7
I077612		5.7	7.0	<0.002	0.12	1.71	6.0	4	0.2	92.3	<0.05	0.23	2.2	0.025	0.23	6.4
I077613		5.6	8.3	<0.002	0.15	1.41	5.6	5	0.2	125.5	0.05	0.18	2.1	0.030	0.23	6.2
I077614		1.7	2.2	<0.002	0.01	0.05	1.4	2	<0.2	53.6	<0.05	<0.05	0.2	0.018	0.02	0.7
I077615		11.6	7.1	0.002	0.16	2.68	7.2	4	0.2	114.5	0.05	0.25	2.8	0.030	0.40	6.4
I077616		94.2	25.8	0.002	0.06	6.38	6.7	2	0.9	30.0	0.09	0.22	2.2	0.068	0.50	5.3
I077617		45.6	9.6	0.002	0.04	3.27	4.7	2	0.4	25.0	0.08	0.12	1.4	0.039	0.22	5.1
I077618		5.3	1540	<0.002	0.03	0.78	7.4	2	1.0	59.8	0.23	<0.05	0.5	0.257	12.95	0.2
I077619		28.4	9.2	<0.002	0.05	5.53	8.1	4	0.5	55.1	0.09	0.36	2.9	0.045	0.27	5.7
I077620		3.5	19.6	0.002	0.84	2.45	3.4	2	0.5	173.5	0.42	0.05	1.6	0.163	0.11	0.9
I077621		13.6	6.2	<0.002	0.09	0.34	1.5	2	0.3	190.0	0.11	<0.05	0.4	0.053	0.13	0.4
I077622		21.4	5.6	<0.002	0.05	0.32	1.2	2	0.3	204	0.09	<0.05	0.4	0.044	0.11	0.5

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 15- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10139130

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	As- OG62 As % 0.001
I077587		7	60.1	6.6	17	2.0	
I077588		8	81.8	7.1	14	3.2	
I077589		7	16.7	6.3	16	1.6	
I077590		7	15.9	8.2	20	3.8	
I077591		141	17.9	25.2	33	77.6	
I077592		50	86.5	19.1	666	6.4	5.28
I077593		29	71.3	20.7	407	6.9	4.26
I077594		26	30.9	18.3	633	13.1	1.775
I077595		2	0.3	0.9	17	0.5	
I077596		21	19.8	13.0	471	13.2	
I077597		14	5.2	7.9	214	16.6	
I077598		11	50.3	8.1	69	12.8	
I077599		40	13.5	20.9	1480	45.0	
I077600		74	14.5	23.0	1370	79.0	
I077601		58	3.9	13.0	125	55.2	
I077602		93	4.1	18.6	146	26.8	
I077603		21	8.8	4.0	142	64.8	
I077604		199	7.2	34.4	412	68.3	
I077605		229	12.0	24.1	698	86.2	
I077606		166	9.4	27.6	999	45.8	
I077607		197	3.0	22.4	922	25.9	
I077608		313	1.0	15.0	546	9.4	
I077609		217	4.6	22.2	1020	26.3	
I077610		130	5.7	15.7	1320	15.2	1.010
I077611		47	21.0	25.5	3030	6.6	3.01
I077612		32	27.2	24.0	3440	7.4	2.88
I077613		33	24.4	25.3	3560	8.3	2.68
I077614		8	0.1	1.7	23	2.3	
I077615		42	44.4	26.5	3440	8.6	2.86
I077616		34	34.9	32.8	3460	16.9	2.17
I077617		26	23.1	28.8	2960	9.9	2.00
I077618		54	0.4	7.9	31	32.4	
I077619		52	47.6	34.7	2400	16.2	2.54
I077620		51	0.6	13.4	53	32.4	
I077621		11	1.4	5.9	120	8.0	
I077622		6	1.4	4.2	121	6.9	

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 15- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10139130

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7- OCT- 2010
Account: RCM

CERTIFICATE VA10139131

Project: RAU

P.O. No.: BATCH 89

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 28- SEP- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- 31	Fine crushing - 70% < 2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
Ag- OG62	Ore Grade Ag - Four Acid	VARIABLE
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
As- OG62	Ore Grade As - Four Acid	VARIABLE
ME- XRF05	Trace Level XRF Analysis	XRF
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10139131

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
I077660		0.82	0.56	1.13	9.10	806	3790	2.11	28.6	0.58	0.70	12.00	12.5	151	8.13	118.0
I077661		0.62	0.39	6.38	4.44	8110	1030	1.37	1340	5.53	8.91	67.2	8.4	82	4.95	347
I077662		3.64	2.33	8.93	2.00	2870	600	0.53	204	12.30	4.37	23.0	5.3	22	2.96	520
I077663		4.90	6.18	>100	1.45	2800	850	0.45	136.0	9.98	5.23	13.90	3.8	14	3.09	4370
I077664		0.84	0.27	3.13	2.17	1810	570	0.68	15.30	13.05	3.64	15.50	6.3	41	9.12	32.1
I077665		4.28	0.53	5.94	2.72	5020	780	0.87	32.9	6.50	8.32	21.6	9.3	35	7.32	67.2
I077666		6.96	<0.01	0.06	0.09	15	20	0.08	0.20	20.8	0.09	1.56	1.3	<1	0.21	3.4
I077667		4.50	0.49	2.56	1.27	2500	330	0.49	24.0	9.14	5.00	16.95	4.7	13	2.02	22.1
I077668		2.22	0.22	1.92	0.54	1260	200	0.22	68.3	17.90	2.33	11.80	2.1	5	1.45	18.4
I077669		3.62	0.55	4.66	0.64	4480	650	0.31	69.2	12.00	5.24	21.1	2.4	7	0.65	16.3
I077670		4.18	3.16	>100	0.72	>10000	4630	0.25	1450	0.41	4.86	84.2	1.5	6	0.60	18.2
I077671		0.46	1.08	>100	0.44	>10000	300	0.17	567	0.48	10.45	16.75	3.1	2	0.27	24.1
I077672		2.74	7.69	47.2	0.67	>10000	3600	0.30	>10000	0.96	26.4	67.7	1.3	19	1.10	37.8
I077673		4.48	2.74	1.94	0.27	>10000	360	0.14	1140	8.48	14.95	28.9	1.4	3	1.25	14.2
I077674		0.28	1.41	0.61	5.32	119.5	90	1.35	2.08	1.01	0.15	16.20	26.2	169	26.4	505
I077675		3.20	2.77	4.08	0.25	>10000	1200	0.08	2380	2.07	12.20	38.9	1.5	2	0.86	19.1
I077676		4.50	2.10	4.58	0.25	>10000	1180	0.12	4610	0.86	7.90	44.5	1.6	3	0.14	24.2
I077677		3.28	0.37	0.19	0.74	7690	270	0.29	76.3	15.25	2.70	16.80	1.9	6	2.72	6.8
I077678		14.16	0.03	0.44	1.00	255	290	0.24	3.51	32.9	0.92	11.90	2.9	20	1.13	7.5
I077679		9.12	0.02	0.24	0.82	160	280	0.16	1.07	33.4	0.28	10.50	3.0	28	1.02	6.3
I077680		7.78	0.01	0.24	0.75	197	590	0.18	2.69	34.9	0.81	12.15	4.7	16	1.59	19.5
I077681		8.12	0.02	0.70	2.56	1170	3250	0.54	37.3	22.2	1.34	31.4	21.1	81	4.71	114.5
I077682		0.28	1.35	0.71	5.37	96.4	100	1.11	2.39	1.05	0.14	15.65	24.8	170	26.3	506
I077683		5.68	0.02	0.38	0.94	259	430	0.18	1.97	35.1	0.53	11.70	5.5	19	2.96	10.7
I077684		9.66	0.06	3.48	1.10	6560	1770	0.30	1070	2.70	9.42	22.9	6.0	29	3.37	22.1
I077685		9.10	0.11	2.02	0.71	5010	1880	0.25	545	9.98	2.35	63.6	6.5	23	1.92	19.0
I077686		4.06	0.13	2.18	0.54	5400	2160	0.20	850	8.14	1.90	57.0	4.4	20	1.39	15.4
I077687		8.50	0.02	4.02	5.05	2220	2170	1.18	644	3.17	7.41	56.9	26.1	101	9.36	64.4
I077688		7.70	0.16	3.59	3.07	3570	2510	0.69	2910	0.45	4.49	65.5	10.8	74	5.74	42.7
I077689		7.58	<0.01	0.01	0.08	28	20	0.06	2.50	20.8	0.09	1.49	1.2	<1	0.37	2.6
I077690		9.90	0.19	2.40	8.84	754	7440	1.66	346	1.61	4.37	85.4	17.1	651	7.79	33.6
I077691		9.10	0.23	2.50	6.26	2330	4720	1.61	44.9	0.16	0.87	50.7	10.1	460	5.79	20.5
I077692		9.52	2.77	3.43	0.33	7660	1660	0.11	514	0.27	0.60	11.50	3.4	12	0.13	33.3
I077693		4.66	0.46	4.13	0.36	6770	830	0.10	148.5	0.20	1.01	1.86	1.9	25	0.39	25.3
I077694		0.94	1.05	8.68	0.59	6200	2450	0.15	1060	4.05	1.86	10.70	3.0	44	1.15	14.1
I077695		7.56	0.18	2.03	2.04	3630	2120	0.53	328	0.19	0.71	5.28	4.0	47	1.35	11.1

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10139131

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I077660		9.65	37.2	0.19	3.8	0.056	4.73	5.4	46.8	3.49	488	1.12	0.07	30.7	41.0	2200
I077661		25.2	25.3	0.42	1.3	0.749	1.05	39.5	9.5	3.29	937	0.80	0.03	6.3	33.4	2620
I077662		11.90	7.34	0.21	0.9	0.221	0.74	13.3	9.2	8.29	975	0.47	0.02	5.8	16.6	760
I077663		9.62	6.02	0.18	0.6	0.430	0.61	8.6	8.5	6.82	515	0.55	0.01	3.9	11.1	640
I077664		9.91	8.59	0.17	0.9	0.021	0.87	8.3	9.0	9.52	1010	0.60	0.02	9.6	25.7	740
I077665		23.2	9.89	0.37	1.2	0.082	0.64	10.6	12.4	5.82	1360	0.73	0.03	9.9	32.7	940
I077666		0.48	0.35	0.28	<0.1	0.005	0.04	0.8	2.0	12.80	213	0.06	0.01	0.4	2.7	220
I077667		15.20	5.63	0.22	0.6	0.053	0.12	9.5	6.6	8.31	1160	1.07	0.02	3.7	16.1	640
I077668		5.37	2.37	0.09	0.3	0.040	0.10	7.6	3.4	10.15	1200	0.58	0.02	2.6	5.6	360
I077669		13.65	2.92	0.21	0.4	0.051	0.05	12.5	3.5	8.74	1040	3.17	0.03	2.5	8.1	460
I077670		36.4	4.79	0.62	0.7	0.129	0.06	58.7	2.9	0.56	1080	14.15	0.06	1.5	6.1	440
I077671		48.0	2.16	1.06	0.3	0.131	0.03	8.6	1.5	0.23	1400	5.50	0.04	1.0	10.4	520
I077672		45.7	9.47	1.04	1.3	0.720	0.11	49.8	4.0	0.14	872	3.93	0.02	2.2	5.5	1400
I077673		25.0	1.88	0.40	0.2	0.275	0.10	15.4	2.3	3.87	2510	0.54	0.01	0.7	3.5	280
I077674		2.05	15.50	0.12	1.5	0.045	3.71	9.6	8.9	0.38	313	4.83	1.22	2.4	486	490
I077675		46.5	2.03	0.83	0.3	0.254	0.16	25.4	2.8	0.46	1440	1.81	0.02	0.8	4.3	300
I077676		>50	3.07	1.05	0.5	0.355	0.04	29.4	1.5	0.32	949	3.01	0.01	0.9	4.9	570
I077677		11.25	3.30	0.19	0.4	0.088	0.24	9.0	3.5	9.62	1960	0.32	0.02	2.1	5.4	420
I077678		1.22	2.08	0.06	0.4	0.012	0.44	7.5	3.9	0.46	267	0.40	0.01	3.6	10.9	90
I077679		1.06	1.66	0.07	0.3	0.013	0.37	6.3	3.0	0.51	250	0.49	0.01	4.9	9.1	90
I077680		1.47	1.87	0.07	0.2	0.014	0.24	7.6	3.4	0.31	500	0.24	0.01	2.2	23.5	250
I077681		10.05	6.90	0.19	0.6	0.045	0.88	21.9	7.1	0.47	775	1.86	0.03	8.5	68.0	930
I077682		2.05	15.15	0.11	1.4	0.044	3.70	9.4	7.1	0.38	316	4.78	1.23	2.7	502	490
I077683		1.21	2.21	0.07	0.3	0.022	0.32	7.5	4.6	0.36	621	0.29	0.01	2.9	17.4	150
I077684		46.8	4.22	0.95	0.4	0.077	0.39	14.2	5.3	0.35	6340	8.12	0.01	2.5	25.0	1510
I077685		35.7	3.26	0.68	0.4	0.224	0.21	33.8	3.1	0.39	8850	10.20	0.01	1.8	16.4	1620
I077686		38.4	2.74	0.72	0.3	0.212	0.16	29.7	2.4	0.32	10650	10.70	0.01	1.3	13.1	1480
I077687		23.1	13.95	0.41	1.2	0.165	1.57	34.9	29.1	1.06	6850	5.19	0.03	7.4	107.0	1260
I077688		39.8	10.05	0.80	1.0	0.139	1.00	38.4	15.8	0.60	10550	5.70	0.02	3.8	48.6	1030
I077689		0.59	0.25	0.07	<0.1	<0.005	0.03	0.8	1.6	12.75	264	0.09	<0.01	0.2	1.6	210
I077690		12.10	27.3	0.19	1.0	0.083	4.14	50.9	31.9	0.90	1960	2.14	0.05	20.6	52.8	1970
I077691		16.45	25.1	0.22	1.7	0.066	2.95	35.9	27.1	1.33	513	1.86	0.04	12.6	36.3	1510
I077692		>50	2.48	0.84	0.3	0.188	0.03	6.4	0.9	0.72	1300	7.18	0.02	0.9	12.8	1440
I077693		29.7	2.04	0.33	0.2	0.118	0.09	1.1	1.1	0.21	229	4.20	0.02	0.7	10.3	860
I077694		46.8	2.31	0.76	0.2	0.057	0.21	6.5	2.7	0.23	1580	4.53	0.02	1.2	12.0	1020
I077695		31.1	10.85	0.40	1.2	0.046	0.67	3.1	4.1	0.87	311	4.04	0.05	4.1	17.0	1370

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10139131

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I077660		7.5	68.6	<0.002	1.09	21.8	10.3	3	4.5	151.0	1.94	0.15	7.7	0.399	1.92	3.5
I077661		641	70.2	0.004	0.08	40.0	10.1	4	1.8	308	0.36	0.49	8.5	0.125	0.78	6.7
I077662		55.1	40.2	0.002	0.02	278	3.7	3	2.2	40.4	0.31	0.12	2.7	0.091	0.52	1.9
I077663		9.1	27.4	<0.002	0.02	3140	2.7	5	3.1	29.2	0.21	0.15	1.3	0.087	0.36	1.6
I077664		12.4	70.7	<0.002	0.04	16.05	4.0	2	1.4	51.1	0.49	0.09	2.7	0.161	0.80	1.7
I077665		117.5	51.0	<0.002	0.05	21.4	4.4	4	1.5	21.2	0.54	0.18	2.8	0.168	0.65	3.6
I077666		1.5	1.7	<0.002	<0.01	1.61	0.3	1	<0.2	45.3	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
I077667		11.3	10.5	<0.002	0.03	13.85	3.0	3	0.9	25.6	0.20	0.11	0.9	0.070	0.22	2.0
I077668		16.5	15.2	<0.002	0.01	6.48	1.8	2	0.6	49.8	0.14	0.11	0.6	0.047	0.20	0.9
I077669		134.0	5.2	<0.002	0.04	10.15	2.0	3	0.8	37.7	0.13	0.14	0.7	0.045	0.15	2.5
I077670		9480	6.0	0.014	0.51	28.6	1.3	12	3.3	73.2	0.08	1.54	0.7	0.037	0.49	5.6
I077671		3000	2.2	0.003	0.09	18.60	1.7	8	1.0	17.4	<0.05	0.73	0.4	0.019	0.17	5.6
I077672		7640	9.4	0.021	0.57	140.0	3.7	21	29.1	226	0.06	16.75	1.8	0.048	1.11	9.6
I077673		444	14.4	0.003	0.53	27.6	1.4	5	0.9	187.5	<0.05	1.08	0.6	0.011	0.59	5.4
I077674		191.5	1020	0.002	0.33	2.64	3.8	1	3.1	52.3	2.12	0.15	2.3	0.085	8.31	0.8
I077675		1125	15.5	0.005	0.49	51.7	1.4	17	1.3	149.0	<0.05	4.12	0.5	0.012	0.89	6.4
I077676		2470	2.1	0.010	0.24	60.3	2.4	21	2.4	51.5	<0.05	4.51	0.7	0.014	0.63	6.8
I077677		12.1	32.4	<0.002	0.20	3.45	1.4	4	0.7	64.6	0.12	0.12	0.5	0.056	0.33	1.2
I077678		11.2	14.5	<0.002	0.01	1.07	2.8	2	0.4	154.5	0.18	<0.05	1.1	0.083	0.22	0.5
I077679		8.2	11.4	<0.002	0.04	1.15	2.8	2	0.3	175.5	0.23	<0.05	0.8	0.119	0.21	0.6
I077680		22.0	12.9	<0.002	<0.01	1.03	2.1	2	0.5	190.5	0.11	<0.05	0.7	0.060	0.22	0.4
I077681		47.9	39.0	<0.002	0.02	2.52	6.3	2	1.4	154.0	0.48	0.16	2.7	0.225	0.63	1.3
I077682		190.0	1020	<0.002	0.33	2.62	3.3	1	3.2	52.8	2.57	0.18	2.3	0.085	8.31	0.8
I077683		28.3	20.5	<0.002	0.01	0.88	2.3	2	0.6	226	0.15	<0.05	0.9	0.082	0.36	0.4
I077684		44.0	29.7	<0.002	0.05	24.0	3.1	2	1.2	20.8	0.13	1.61	1.2	0.067	1.54	2.5
I077685		40.9	17.4	0.002	0.02	15.35	3.3	2	0.9	44.1	0.09	1.26	0.8	0.045	0.61	3.2
I077686		31.1	13.5	0.002	0.03	19.85	2.9	2	0.7	38.3	0.06	1.59	0.7	0.032	0.60	3.1
I077687		271	108.5	0.002	0.01	26.1	13.6	2	4.3	27.3	0.41	1.21	4.7	0.339	2.28	3.1
I077688		134.5	84.8	0.003	0.13	90.2	9.2	3	3.6	12.9	0.20	4.09	2.7	0.172	1.01	3.2
I077689		1.5	2.2	<0.002	0.01	0.19	0.3	1	<0.2	40.9	<0.05	<0.05	<0.2	<0.005	0.02	0.8
I077690		34.7	143.0	<0.002	0.01	9.80	17.9	2	8.2	16.8	1.15	0.52	9.1	0.535	1.35	1.7
I077691		5.4	114.0	<0.002	0.04	3.86	13.2	2	8.0	9.8	0.72	0.19	8.0	0.509	0.80	2.9
I077692		80.5	1.9	0.005	0.07	12.15	1.6	2	2.8	12.9	<0.05	0.60	0.7	0.014	0.22	2.2
I077693		149.5	5.1	0.003	0.03	8.34	0.6	2	8.2	6.6	<0.05	0.34	0.5	0.014	0.16	1.9
I077694		34.7	13.4	<0.002	0.65	28.3	1.7	3	1.0	28.3	0.05	1.54	0.7	0.033	0.33	1.6
I077695		69.4	36.4	<0.002	0.04	7.85	3.3	2	3.4	9.1	0.22	0.48	1.8	0.095	0.25	2.9

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10139131

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Ag- OG62 Ag ppm 1	As- OG62 As % 0.001	ME- XRF05 Bi ppm 4	ME- XRF05 W ppm 10
I077660		140	27.1	13.6	140	176.0				
I077661		71	338	23.3	2060	66.0				
I077662		31	93.5	14.4	954	45.3				
I077663		22	44.4	10.0	595	28.0	99			
I077664		31	23.1	9.6	648	45.5				
I077665		39	41.6	17.3	2430	55.9				
I077666		3	0.2	0.9	22	0.5				
I077667		24	43.4	13.4	703	29.9				
I077668		13	30.7	9.2	284	16.5				
I077669		15	107.0	10.5	890	18.2				
I077670		25	1840	6.1	3360	32.5	151	1.215		
I077671		16	308	10.2	8540	12.4	735	1.475		
I077672		42	2710	12.9	4100	54.1		3.70	>10000	2770
I077673		12	385	14.8	1530	8.0		6.07		
I077674		22	9.9	4.2	153	66.3				
I077675		18	447	11.3	1770	12.6		5.00		
I077676		24	1310	11.6	2310	27.5		3.40		
I077677		20	32.3	10.7	608	16.5				
I077678		14	2.4	7.4	169	16.6				
I077679		15	1.4	6.6	124	14.0				
I077680		26	2.0	14.0	286	12.1				
I077681		60	8.4	17.4	853	29.3				
I077682		22	9.6	4.0	154	63.7				
I077683		16	1.7	8.9	271	13.8				
I077684		24	112.5	25.7	441	16.0				
I077685		19	55.6	41.1	433	14.3				
I077686		14	62.1	40.8	313	10.1				
I077687		91	79.0	36.2	1520	48.6				
I077688		56	269	47.2	759	37.4				
I077689		2	0.7	0.9	21	<0.5				
I077690		427	23.3	28.4	595	47.9				
I077691		299	56.0	15.7	167	86.2				
I077692		11	790	13.0	331	14.7				
I077693		9	412	2.2	561	9.4				
I077694		13	56.6	9.6	198	9.3				
I077695		44	71.7	6.2	435	54.6				

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10139131

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
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Finalized Date: 10- OCT- 2010
Account: RCM

CERTIFICATE VA10139132

Project: RAU

P.O. No.: BATCH 88

This report is for 37 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 28- SEP- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- 31	Fine crushing - 70% < 2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
As- OG62	Ore Grade As - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
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Finalized Date: 10- OCT- 2010
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CERTIFICATE OF ANALYSIS VA10139132

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
I077623		3.42	0.07	2.86	2.87	1610	1140	0.51	737	13.85	2.04	56.7	30.7	69	4.40	84.2
I077624		1.80	0.01	0.91	10.30	383	5700	1.32	64.6	0.10	0.07	85.9	2.2	492	10.45	4.3
I077625		4.62	0.01	0.71	10.20	1205	7080	1.16	45.6	0.09	0.12	150.5	2.6	449	7.27	6.8
I077626		0.98	0.01	0.93	5.32	3330	390	0.50	27.5	0.13	0.11	128.5	2.3	213	4.17	5.9
I077627		8.88	0.01	1.86	9.22	1625	2830	0.90	2.23	0.08	0.13	116.5	4.2	293	7.32	6.9
I077628		5.74	0.17	7.10	3.99	2920	910	0.59	0.61	0.14	0.17	104.0	11.9	143	3.34	16.9
I077629		0.26	0.40	6.69	5.01	5.0	170	1.06	1.22	1.29	0.04	19.05	8.1	29	20.4	12.4
I077630		3.28	0.10	9.28	2.43	>10000	6700	0.31	526	0.35	2.33	21.5	7.0	31	2.26	32.9
I077631		3.10	0.27	10.70	0.16	>10000	2530	<0.05	1230	0.35	1.92	5.58	3.0	5	0.21	14.0
I077632		4.86	0.95	22.2	0.17	>10000	3270	<0.05	846	0.57	4.73	6.53	2.3	3	0.28	15.8
I077633		4.56	1.96	19.75	0.20	>10000	3930	<0.05	653	0.68	4.22	51.2	1.7	3	0.16	17.9
I077634		6.98	<0.01	0.04	0.09	69	30	0.07	0.93	19.95	0.10	1.67	1.8	<1	0.16	8.5
I077635		3.92	1.58	15.95	0.43	>10000	5010	0.05	1000	0.81	6.03	22.7	2.0	2	0.44	21.9
I077636		5.64	1.71	5.06	0.59	>10000	1470	0.08	535	0.70	4.69	10.25	3.1	12	1.04	23.5
I077637		4.80	1.08	6.80	0.65	>10000	1250	0.27	184.5	0.69	6.03	13.85	3.8	16	1.43	18.7
I077638		5.72	3.34	14.50	0.22	>10000	1940	0.05	996	1.08	1.75	13.35	2.3	3	0.17	11.7
I077639		3.40	17.30	22.2	0.29	>10000	1550	0.16	1570	1.42	2.22	17.20	1.0	3	0.15	13.7
I077640		3.20	3.40	3.05	0.31	>10000	770	0.12	476	0.83	2.03	13.10	2.3	4	0.51	8.9
I077641		4.10	19.70	22.2	0.31	>10000	430	0.14	1820	0.34	0.79	312	0.9	5	0.34	4.7
I077642		7.00	0.03	0.07	0.07	59	30	0.10	5.59	19.90	0.09	1.80	1.2	<1	0.19	2.2
I077643		2.16	1.17	4.84	0.63	>10000	460	0.33	342	0.52	0.83	19.75	2.2	6	1.10	11.0
I077644		3.00	0.95	15.55	0.55	4620	160	0.20	138.0	3.79	0.41	14.35	1.2	10	0.54	6.6
I077645		3.74	0.36	6.32	0.40	4110	220	0.31	49.9	7.54	1.72	15.50	2.2	1	0.20	12.5
I077646		2.36	0.27	1.12	0.36	3780	190	0.29	44.4	8.76	1.41	13.00	1.9	<1	0.20	8.8
I077647		3.62	0.22	0.43	0.21	1980	200	0.17	34.3	15.75	0.45	8.67	1.3	<1	0.55	3.7
I077648		3.32	4.12	2.50	0.16	7380	300	0.15	209	12.70	0.86	8.04	1.1	<1	0.46	3.4
I077649		3.26	0.64	0.46	0.10	4820	270	0.14	105.5	14.50	0.56	9.89	1.0	<1	0.35	3.0
I077650		3.32	1.69	4.92	0.14	6770	460	0.10	208	11.40	4.40	8.64	0.9	<1	0.27	4.7
I077651		1.44	2.65	9.54	0.45	7120	280	0.22	382	0.38	2.58	7.42	1.7	2	1.36	7.0
I077652		0.84	3.22	5.84	0.28	5490	250	0.16	271	0.64	2.60	9.48	1.3	<1	0.38	11.8
I077653		1.74	3.02	3.87	0.70	4720	700	0.43	697	2.06	7.92	25.0	2.7	4	1.01	26.9
I077654		3.04	0.26	0.80	0.16	757	210	0.14	3.79	13.85	0.87	5.43	1.2	2	0.32	3.0
I077655		1.66	0.20	0.45	0.33	948	310	0.26	5.35	17.75	1.51	8.31	1.7	2	0.43	4.0
I077656		3.44	0.16	0.75	0.15	947	150	0.14	1.97	19.00	1.06	7.00	1.2	<1	0.30	3.1
I077657		4.28	0.17	0.97	0.29	519	190	0.16	2.47	19.40	1.08	6.52	1.6	<1	0.64	3.2
I077658		1.70	0.48	1.35	7.46	538	2140	1.66	18.05	4.14	1.35	25.3	17.1	93	10.50	40.1
I077659		0.26	8.71	23.2	5.07	11.2	40	1.53	1.42	1.43	0.06	6.11	9.3	35	61.7	19.4

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CERTIFICATE OF ANALYSIS VA10139132

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I077623		12.55	8.16	0.18	1.2	0.059	0.72	34.5	11.5	1.30	2000	3.94	0.06	8.2	136.0	1200
I077624		4.62	33.9	0.20	1.1	0.091	4.90	44.8	27.7	0.59	88	1.57	0.13	15.5	23.0	540
I077625		8.85	32.1	0.22	1.2	0.108	4.51	80.5	21.2	0.57	120	1.93	0.14	10.2	24.4	790
I077626		23.0	22.5	0.29	0.9	0.087	3.99	69.4	19.4	0.32	154	3.46	0.12	1.4	18.5	2130
I077627		8.06	32.3	0.19	0.8	0.095	4.31	62.8	30.0	0.58	88	2.22	0.12	14.0	40.3	1410
I077628		7.84	14.95	0.15	0.7	0.049	1.52	75.8	17.2	0.41	216	1.21	0.10	5.3	56.3	990
I077629		1.98	15.90	0.10	1.3	0.019	3.15	10.7	8.5	0.60	282	10.30	1.23	2.3	8.0	440
I077630		33.5	6.17	0.45	0.6	0.071	0.91	12.8	4.2	0.50	691	5.29	0.08	4.7	41.3	600
I077631		>50	0.80	0.76	0.2	0.039	0.03	2.8	0.3	0.12	472	10.25	0.03	1.0	10.2	400
I077632		>50	0.77	0.72	0.1	0.137	0.03	3.4	0.4	0.10	631	8.63	0.03	1.0	8.4	310
I077633		>50	0.79	0.75	0.1	0.287	0.02	34.2	0.3	0.16	656	6.99	0.04	0.9	6.7	250
I077634		0.55	0.34	<0.05	<0.1	<0.005	0.03	0.8	1.1	11.85	207	0.15	0.01	0.3	13.5	290
I077635		48.9	1.84	0.68	0.3	0.268	0.08	13.4	0.5	0.45	797	7.46	0.05	1.1	7.2	260
I077636		49.4	2.10	0.64	0.3	0.278	0.18	5.2	1.1	0.28	972	6.53	0.02	2.1	14.0	250
I077637		37.5	2.23	0.40	0.2	0.222	0.18	7.9	1.6	0.51	1130	2.29	<0.01	1.5	15.2	350
I077638		47.2	1.51	1.36	0.2	0.185	0.12	7.2	2.2	0.09	1600	1.99	0.01	0.8	11.1	420
I077639		35.7	1.96	0.41	0.2	0.198	0.23	10.3	2.8	0.08	826	2.69	0.01	1.7	4.2	420
I077640		43.5	2.61	0.98	0.3	0.210	0.04	7.2	0.7	0.84	1760	3.18	0.02	1.1	9.9	460
I077641		18.95	3.50	0.41	0.2	0.060	0.02	208	1.8	0.54	579	2.03	0.03	1.4	3.2	310
I077642		0.48	0.23	<0.05	<0.1	0.005	0.03	1.0	1.2	11.80	182	0.07	0.01	0.4	1.4	200
I077643		43.7	4.94	0.75	0.3	0.232	0.09	10.2	1.7	0.81	2030	1.69	0.01	1.5	9.2	450
I077644		13.25	3.14	0.13	0.3	0.034	0.03	8.9	2.5	1.40	1050	0.72	0.03	2.0	5.1	150
I077645		18.30	3.27	0.22	0.1	0.078	0.01	8.0	3.2	7.40	2170	0.91	0.02	1.0	8.0	280
I077646		17.40	2.63	0.16	0.1	0.066	0.01	6.9	3.2	7.13	2060	0.95	0.02	0.8	5.9	250
I077647		11.15	1.24	0.13	<0.1	0.059	0.04	4.8	2.5	8.36	2430	0.42	0.01	1.0	3.3	160
I077648		13.30	1.07	0.14	<0.1	0.083	0.03	4.2	2.4	6.70	2530	0.47	0.01	0.9	2.4	160
I077649		17.15	0.69	0.16	<0.1	0.095	0.03	5.0	1.7	6.70	3260	0.48	0.01	0.6	1.5	210
I077650		22.8	1.16	0.26	<0.1	0.132	0.05	3.6	1.2	3.14	4820	0.93	0.01	0.5	1.6	140
I077651		32.7	3.08	0.35	0.1	0.122	0.17	3.9	1.1	0.17	1700	1.26	<0.01	0.9	5.8	250
I077652		35.9	1.79	0.40	<0.1	0.237	0.09	4.2	0.8	0.17	1040	2.49	0.01	0.7	3.7	350
I077653		32.7	3.52	0.50	0.2	1.325	0.21	16.2	1.8	1.22	5320	3.71	0.01	1.3	7.8	700
I077654		2.78	0.94	<0.05	<0.1	0.049	0.06	3.3	1.2	5.61	1360	0.40	0.01	0.7	2.9	170
I077655		4.01	1.69	<0.05	0.1	0.060	0.12	5.3	2.3	8.63	1600	0.39	0.01	1.8	3.2	140
I077656		2.93	0.86	<0.05	<0.1	0.058	0.06	4.6	1.6	8.45	1610	0.52	0.01	0.9	1.6	120
I077657		2.86	1.36	<0.05	0.1	0.039	0.12	4.0	2.9	9.59	1380	0.48	0.01	1.5	2.8	150
I077658		7.80	23.1	0.11	4.4	0.039	3.13	13.3	59.9	5.36	857	0.94	0.03	56.2	56.3	1860
I077659		2.11	15.25	<0.05	0.8	0.023	3.67	2.6	23.7	0.63	308	17.10	1.16	1.9	13.4	640

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 10- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10139132

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I077623		36.7	33.2	<0.002	0.03	4.78	6.5	2	1.7	142.5	0.46	0.91	3.7	0.148	0.77	2.7
I077624		5.2	192.5	<0.002	0.72	1.17	37.1	2	5.5	69.6	0.96	0.08	4.9	0.631	2.46	1.2
I077625		7.6	174.0	<0.002	0.89	1.40	33.5	2	7.0	69.7	0.60	0.08	6.8	0.500	2.00	1.7
I077626		6.4	249	<0.002	5.26	0.93	12.1	2	4.0	268	0.06	0.21	7.3	0.158	2.83	1.3
I077627		3.7	172.5	<0.002	1.03	0.87	25.3	1	2.6	144.5	0.79	0.06	8.5	0.341	1.74	1.1
I077628		5.1	65.3	<0.002	0.32	1.79	11.0	1	0.9	172.5	0.30	0.11	3.9	0.164	0.66	1.6
I077629		12.7	710	<0.002	0.01	0.63	6.8	2	1.1	55.8	0.21	<0.05	1.2	0.238	6.45	0.7
I077630		39.2	34.7	<0.002	0.06	24.0	3.2	2	1.1	13.9	0.25	1.13	4.0	0.075	0.41	2.5
I077631		141.5	2.2	<0.002	0.11	42.2	0.6	3	0.5	15.8	<0.05	2.33	0.2	0.006	0.15	4.0
I077632		204	1.7	<0.002	0.13	32.2	0.7	3	1.6	26.0	<0.05	1.47	0.3	0.009	0.21	4.7
I077633		622	1.2	<0.002	0.16	25.9	0.5	3	5.1	32.1	<0.05	1.23	0.4	0.005	0.25	4.4
I077634		1.8	1.5	<0.002	0.02	0.08	0.3	2	<0.2	44.5	<0.05	<0.05	<0.2	<0.005	<0.02	0.9
I077635		444	5.1	<0.002	0.18	22.5	0.9	2	5.7	29.2	<0.05	1.33	0.5	0.015	0.20	5.0
I077636		107.5	7.3	<0.002	0.07	17.35	1.3	2	8.8	16.4	0.09	0.83	0.7	0.059	0.24	4.0
I077637		152.0	9.7	0.002	0.08	21.3	3.3	5	1.0	21.3	0.07	0.42	1.1	0.044	0.47	5.0
I077638		115.0	4.9	0.002	0.33	64.8	1.2	11	2.1	117.0	<0.05	2.15	0.4	0.013	0.86	5.6
I077639		154.0	13.1	0.006	0.51	97.1	3.0	7	3.6	253	0.07	1.97	0.5	0.032	1.29	5.6
I077640		131.0	4.1	0.003	0.07	24.0	1.9	5	0.6	25.5	<0.05	1.12	0.7	0.014	0.48	4.7
I077641		702	1.5	0.008	0.08	21.6	0.9	7	2.1	22.8	0.07	2.32	1.1	0.027	0.37	6.1
I077642		3.8	1.6	<0.002	0.01	0.11	0.4	2	<0.2	49.9	<0.05	<0.05	<0.2	<0.005	<0.02	0.8
I077643		45.2	8.3	0.013	0.08	10.75	5.0	8	1.0	13.1	0.06	0.67	2.0	0.024	0.47	3.4
I077644		106.0	3.0	<0.002	0.03	5.67	1.2	7	1.4	10.3	0.11	0.58	0.9	0.033	0.13	1.0
I077645		46.2	0.9	<0.002	0.03	1.40	2.6	4	1.4	34.4	<0.05	0.09	0.6	0.014	0.18	1.0
I077646		23.5	0.9	0.002	0.03	1.04	2.2	4	1.1	33.6	<0.05	0.08	0.5	0.013	0.17	1.0
I077647		3.2	4.6	<0.002	0.01	0.72	1.5	3	0.4	51.9	0.05	0.07	0.3	0.015	0.16	0.6
I077648		5.8	3.2	<0.002	0.02	6.12	1.1	3	0.3	41.0	<0.05	0.23	0.2	0.012	0.23	2.5
I077649		24.2	3.1	0.009	0.02	2.80	1.8	3	0.3	59.0	<0.05	0.11	0.2	0.007	0.29	1.0
I077650		363	4.7	0.010	0.04	8.50	2.5	6	0.6	49.2	<0.05	0.39	0.5	<0.005	0.32	1.5
I077651		546	19.1	0.004	0.05	15.35	1.5	7	0.9	8.1	<0.05	0.56	0.4	0.016	0.31	1.7
I077652		561	8.1	0.019	0.06	13.15	3.0	10	0.6	9.4	<0.05	0.30	1.3	0.009	0.40	2.1
I077653		1685	18.7	0.004	0.05	17.80	4.9	5	0.9	14.9	0.05	0.42	1.4	0.023	0.41	3.5
I077654		14.1	4.9	<0.002	0.01	0.86	1.4	2	0.3	35.6	<0.05	<0.05	0.2	0.012	0.08	0.4
I077655		24.8	7.0	<0.002	0.01	2.10	1.7	3	0.4	43.6	0.09	0.05	0.4	0.034	0.11	0.5
I077656		32.2	6.3	<0.002	0.01	0.91	1.7	3	0.2	52.2	<0.05	<0.05	0.2	0.014	0.09	0.4
I077657		12.5	7.6	<0.002	0.01	0.69	1.5	2	0.3	54.2	0.09	<0.05	0.5	0.024	0.10	0.4
I077658		6.8	103.5	<0.002	0.14	11.40	13.9	3	3.8	63.4	3.48	0.13	10.7	0.642	1.29	3.6
I077659		5.8	1540	<0.002	0.03	0.81	8.6	2	1.1	60.0	0.24	<0.05	0.6	0.256	14.90	0.2

***** See Appendix Page for comments regarding this certificate *****

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 10- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10139132

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	As- OG62
	Analyte	V	W	Y	Zn	Zr	As
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
I077623		49	5.5	27.9	558	53.8	
I077624		301	4.5	5.1	21	45.8	
I077625		282	8.8	5.0	25	49.7	
I077626		90	5.4	4.9	25	38.4	
I077627		198	1.6	5.7	47	38.4	
I077628		86	1.6	7.4	153	33.3	
I077629		51	0.3	10.6	26	53.4	
I077630		34	41.2	14.4	702	21.2	1.120
I077631		9	23.6	5.0	579	5.3	1.260
I077632		7	70.6	5.2	885	4.4	2.23
I077633		6	70.8	4.0	1500	3.3	2.50
I077634		3	0.2	1.0	18	0.7	
I077635		10	69.3	7.3	1000	10.0	2.79
I077636		15	72.9	6.8	759	8.7	2.52
I077637		27	52.6	13.7	1140	9.0	2.65
I077638		20	141.5	11.9	208	9.3	5.57
I077639		10	480	5.4	131	11.3	5.08
I077640		21	183.0	10.0	169	14.1	3.08
I077641		12	870	7.2	143	14.2	1.290
I077642		2	3.1	0.9	15	<0.5	
I077643		27	1400	19.1	99	15.5	1.775
I077644		14	84.8	5.0	61	16.6	
I077645		13	30.8	14.0	142	6.8	
I077646		11	155.5	12.0	122	6.4	
I077647		9	11.8	11.3	61	5.1	
I077648		8	29.9	11.0	92	4.2	
I077649		9	970	12.6	98	2.4	
I077650		8	980	13.6	917	1.6	
I077651		13	312	8.9	780	9.8	
I077652		12	2420	10.4	1220	4.9	
I077653		23	550	16.4	1500	12.0	
I077654		7	54.4	6.7	106	4.3	
I077655		9	38.2	9.8	143	8.5	
I077656		6	13.3	10.1	201	4.1	
I077657		8	10.8	8.7	152	6.5	
I077658		95	25.8	22.2	231	189.0	
I077659		56	0.7	8.4	30	32.7	

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Finalized Date: 10- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10139132

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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1016- 510 W HASTINGS ST
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Finalized Date: 13- OCT- 2010
Account: RCM

CERTIFICATE VA10139133

Project: RAU

P.O. No.: Batch 90

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 28- SEP- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% < 2mm
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
As- OG62	Ore Grade As - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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Project: RAU

CERTIFICATE OF ANALYSIS VA10139133

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
I077696		5.16	0.11	3.04	0.55	6400	910	0.11	275	0.23	1.10	5.41	7.0	17	0.33	14.3
I077697		3.54	0.59	10.60	0.50	>10000	1170	0.19	232	0.37	3.26	7.81	2.5	18	0.52	19.6
I077698		10.24	0.49	40.2	0.73	>10000	1770	0.28	183.0	0.54	3.03	16.90	4.4	24	0.79	18.7
I077699		7.28	0.66	26.2	1.06	>10000	2360	0.36	143.0	0.61	3.01	22.2	5.0	37	1.17	14.2
I077700		2.40	1.35	69.8	0.85	5200	150	0.24	954	0.10	0.03	34.0	0.4	33	0.50	2.8
I077701		7.72	0.27	0.71	5.02	>10000	820	1.30	119.0	0.63	6.35	70.4	2.5	64	17.20	58.4
I077702		2.50	0.36	1.81	2.34	>10000	260	0.64	296	0.98	11.50	94.5	2.9	61	6.95	46.4
I077703		7.36	1.01	0.49	1.44	>10000	640	0.50	381	9.21	1.53	18.85	3.6	30	4.49	21.7
I077704		8.14	0.28	5.40	1.43	5770	1180	0.44	122.0	11.15	2.73	20.0	6.0	47	4.39	29.3
I077705		4.00	0.95	0.65	1.19	>10000	310	0.37	163.5	0.89	7.01	21.6	2.9	25	3.52	40.3
I077706		5.90	0.27	34.5	1.87	5360	1270	0.65	84.8	9.00	3.11	18.40	5.1	36	3.75	65.6
I077707		3.90	3.09	0.92	1.37	3870	710	0.47	309	9.83	0.83	11.25	3.2	16	2.23	8.7
I077708		7.52	<0.01	0.06	0.08	28	20	0.05	0.85	20.6	0.08	1.39	1.0	<1	0.24	2.1
I077709		7.20	1.34	2.81	0.23	4590	220	0.09	109.0	12.60	3.21	15.70	1.1	9	0.48	6.6
I077710		9.00	1.19	3.31	0.66	5480	450	0.31	62.2	13.70	4.84	12.00	2.8	5	0.81	30.7
I077711		4.68	0.43	0.91	0.18	2250	160	0.15	17.45	18.90	1.68	6.90	1.1	2	0.31	3.1
I077712		9.22	0.69	0.12	0.36	6440	120	0.24	129.5	14.70	7.85	16.95	2.8	3	1.44	13.9
I077713		0.26	2.98	1.56	6.36	1870	330	1.10	3.08	1.94	1.12	38.0	49.3	547	4.86	1025
I077714		6.68	0.03	0.09	0.76	226	470	0.41	3.71	19.25	0.53	10.80	3.3	10	4.80	7.2
I077715		8.14	0.05	0.12	1.65	269	60	0.85	3.49	15.25	0.57	14.60	8.8	20	5.75	16.2
I077716		7.04	0.01	0.01	0.07	15	20	0.06	0.22	21.6	0.08	1.40	1.2	1	0.18	2.5
I077717		11.46	<0.01	0.13	6.84	62.3	90	1.61	0.29	7.60	0.17	106.0	26.6	45	5.47	79.6
I077718		2.42	0.31	0.28	0.22	2040	160	0.13	49.2	22.6	2.68	9.18	1.6	5	0.24	6.1
I077719		10.52	0.34	0.52	0.43	1040	250	0.24	103.0	18.70	3.42	8.39	1.4	4	0.53	9.4
I077720		8.54	0.53	0.70	0.93	3510	400	0.40	34.6	15.95	6.90	9.37	3.3	8	1.28	12.3
I077721		8.74	2.31	4.32	1.52	>10000	330	0.53	390	8.83	22.3	21.6	4.4	17	2.03	59.4
I077722		8.40	2.17	11.95	0.47	>10000	320	0.16	4110	12.10	39.4	18.95	1.6	5	0.45	23.3
I077723		4.52	5.13	17.35	0.17	>10000	490	0.08	474	11.35	64.9	19.50	1.3	<1	0.24	22.7
I077724		1.98	5.80	21.0	0.19	>10000	480	0.09	674	8.53	65.2	23.3	1.4	<1	0.23	23.9
I077725		2.42	2.89	6.53	0.63	>10000	280	0.16	419	19.30	18.00	19.25	2.9	4	1.33	9.5
I077726		4.04	0.85	12.80	0.49	>10000	210	0.16	97.8	15.90	39.5	15.15	1.7	2	0.29	19.4
I077727		9.76	1.31	0.97	0.61	>10000	430	0.22	48.6	18.45	9.53	14.20	2.2	4	0.82	9.2
I077728		10.30	0.23	0.19	3.82	8290	1970	1.03	158.5	10.40	6.84	70.6	5.3	24	9.60	19.3
I077729		0.26	0.39	7.07	5.22	12.0	80	1.10	1.28	1.33	0.04	21.3	7.8	30	23.2	11.9
I077730		9.54	0.22	0.21	7.47	7840	5410	1.60	34.4	1.00	6.05	120.5	29.9	47	11.80	41.4
I077731		10.66	0.06	0.16	6.59	>10000	2530	1.23	66.5	0.37	4.82	89.9	26.4	49	6.60	111.5

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 13- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10139133

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I077696		44.1	2.81	0.71	0.5	0.108	0.05	2.5	0.9	1.08	312	7.84	0.04	1.0	12.3	1080
I077697		46.9	2.58	0.85	0.2	0.550	0.08	5.1	1.1	0.37	622	7.78	0.02	1.4	11.1	500
I077698		45.5	4.46	0.87	0.4	0.237	0.18	10.3	1.8	0.99	478	5.67	0.02	2.2	16.0	730
I077699		37.1	6.62	0.56	0.5	0.126	0.34	14.0	3.5	1.63	412	3.54	0.03	3.0	17.6	820
I077700		9.37	4.53	0.15	1.0	0.014	1.49	23.9	4.7	1.45	52	1.78	0.05	20.3	1.4	610
I077701		14.85	24.1	0.27	1.3	0.266	2.52	33.0	30.5	2.01	199	0.65	0.04	17.4	13.3	1800
I077702		31.7	23.3	0.63	1.4	0.552	1.82	45.9	15.6	2.23	504	1.30	0.06	6.9	9.8	2910
I077703		20.9	6.62	0.32	0.5	0.085	0.51	10.0	6.2	4.30	1000	1.57	0.02	5.8	16.4	950
I077704		17.55	5.77	0.25	0.5	0.083	0.50	11.6	6.6	5.10	1480	5.45	0.02	5.2	18.8	660
I077705		37.6	8.20	0.50	0.6	0.417	0.19	10.3	1.7	0.59	579	1.62	0.02	1.1	11.4	960
I077706		13.75	8.10	0.19	0.9	0.130	0.76	10.2	7.6	5.44	1160	2.37	0.02	5.4	18.5	800
I077707		16.85	7.05	0.25	0.7	0.052	0.56	6.0	4.6	5.74	1460	0.74	0.02	3.7	10.5	490
I077708		0.53	0.30	0.07	<0.1	0.005	0.03	0.7	1.3	12.10	218	0.07	0.01	0.3	0.4	170
I077709		12.60	1.20	0.21	0.1	0.103	0.05	9.0	1.2	6.89	2700	0.37	0.01	0.4	4.2	100
I077710		14.25	2.30	0.25	0.2	0.097	0.15	7.5	1.9	7.61	1420	0.60	0.01	1.7	5.4	360
I077711		5.89	0.84	0.11	0.1	0.028	0.05	4.7	2.1	10.05	1420	0.12	0.01	0.6	1.3	110
I077712		10.30	2.06	0.24	0.2	0.154	0.13	9.3	2.9	9.06	1490	0.22	0.01	1.2	5.3	220
I077713		7.89	15.70	0.22	6.2	0.131	1.25	19.4	23.7	2.29	750	6.40	0.83	3.5	444	350
I077714		2.94	3.00	0.08	0.4	0.018	0.45	7.2	7.0	10.65	913	0.14	0.02	4.1	9.6	440
I077715		7.94	7.13	0.16	0.8	0.018	0.86	8.7	8.4	8.75	771	0.34	0.02	8.6	24.6	960
I077716		0.51	0.26	0.08	<0.1	<0.005	0.03	0.7	1.2	12.90	228	0.09	0.01	0.3	0.5	210
I077717		7.12	22.0	0.24	1.8	0.082	3.32	48.7	18.2	4.39	300	0.25	0.07	44.2	88.9	1950
I077718		7.99	0.86	0.16	0.1	0.084	0.05	4.8	1.3	6.51	2120	0.10	0.01	0.6	3.3	150
I077719		3.70	1.64	0.09	0.2	0.035	0.11	5.4	2.5	10.25	1000	0.14	0.02	1.1	2.2	220
I077720		11.20	3.67	0.19	0.5	0.048	0.27	5.7	3.1	8.89	1480	0.35	0.01	3.1	7.1	370
I077721		23.1	5.31	0.35	0.4	0.317	0.21	10.8	3.1	4.98	5050	0.81	0.01	1.8	11.0	540
I077722		22.0	3.12	0.33	0.3	0.254	0.04	10.2	1.0	2.69	4060	1.34	0.02	0.9	3.7	390
I077723		28.7	0.92	0.36	0.1	0.215	0.03	8.8	0.7	2.12	5620	2.37	0.01	0.4	2.6	160
I077724		37.2	0.93	0.46	0.1	0.233	0.03	10.8	0.6	1.39	5300	2.61	0.01	0.4	2.6	160
I077725		19.25	3.76	0.23	0.3	0.197	0.20	8.3	1.2	1.82	4880	1.93	0.02	1.3	8.7	330
I077726		16.15	1.63	0.22	0.2	0.171	0.05	6.2	0.9	3.26	4340	1.03	0.01	0.6	4.3	180
I077727		13.40	2.16	0.20	0.2	0.128	0.16	6.1	2.0	6.33	3270	0.69	0.01	1.6	4.6	230
I077728		12.75	15.90	0.24	0.5	0.131	1.85	36.5	16.6	6.05	1220	0.47	0.04	9.1	17.8	890
I077729		2.07	15.00	0.10	1.6	0.022	3.43	12.0	9.9	0.61	295	8.68	1.25	2.4	7.1	460
I077730		16.25	23.4	0.37	0.9	0.153	2.97	59.4	34.4	2.65	766	0.77	0.08	6.5	79.4	3030
I077731		24.0	24.2	0.40	1.4	0.248	3.19	51.1	20.8	0.60	1500	0.56	0.07	6.5	71.5	1630

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Finalized Date: 13- OCT- 2010
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CERTIFICATE OF ANALYSIS VA10139133

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I077696		68.5	2.5	0.002	0.05	6.19	1.8	3	0.7	8.8	<0.05	0.65	0.5	0.020	0.08	2.5
I077697		371	4.2	<0.002	0.09	17.20	2.0	3	1.4	13.5	0.05	0.48	0.6	0.029	0.13	3.2
I077698		405	10.5	<0.002	0.15	14.20	3.5	4	2.3	34.2	0.08	0.42	2.3	0.046	0.31	3.3
I077699		281	16.5	<0.002	0.26	21.9	3.6	4	1.9	62.7	0.14	0.48	5.2	0.082	0.49	3.0
I077700		4920	39.8	0.003	2.81	31.4	1.3	12	26.9	296	1.12	0.35	2.0	0.313	0.94	1.0
I077701		50.5	177.5	0.002	1.54	11.60	9.6	4	3.1	300	0.92	0.23	8.6	0.219	2.35	3.4
I077702		59.2	139.5	0.002	2.98	20.7	11.7	6	2.4	1020	0.35	0.87	10.1	0.153	3.05	5.6
I077703		30.9	41.4	<0.002	0.16	11.10	2.3	13	1.2	48.0	0.32	0.40	1.8	0.065	0.52	2.3
I077704		81.9	37.8	0.002	0.12	7.45	3.0	4	2.1	48.1	0.27	0.36	1.8	0.087	0.48	1.6
I077705		193.5	13.9	0.005	0.08	36.2	3.5	10	1.0	38.0	0.06	0.59	2.0	0.026	0.40	3.9
I077706		80.7	45.8	0.002	0.05	6.97	3.0	3	2.6	44.1	0.31	0.28	2.5	0.088	0.51	1.7
I077707		47.4	30.0	<0.002	0.04	7.62	2.0	6	1.8	50.1	0.20	0.29	1.5	0.058	0.30	1.6
I077708		1.8	1.7	<0.002	0.01	0.07	0.3	2	<0.2	41.0	<0.05	<0.05	<0.2	<0.005	<0.02	0.7
I077709		251	4.8	<0.002	0.04	4.91	2.3	8	0.5	73.8	<0.05	0.19	0.2	0.005	0.08	0.6
I077710		289	12.2	<0.002	0.04	3.39	1.9	3	1.0	41.7	0.09	0.08	0.6	0.027	0.13	1.3
I077711		79.4	4.2	<0.002	0.02	1.06	0.8	3	0.3	60.7	<0.05	0.07	0.2	0.011	0.05	0.3
I077712		18.9	11.7	<0.002	0.31	5.02	2.0	5	0.5	73.9	0.06	0.22	0.6	0.027	0.25	1.1
I077713		213	60.6	0.002	1.45	184.0	22.5	2	3.0	120.5	0.37	1.61	5.1	0.230	0.86	1.7
I077714		4.5	37.7	<0.002	1.32	1.61	1.5	3	0.7	72.1	0.23	0.05	0.9	0.077	0.33	0.5
I077715		2.8	61.3	<0.002	7.51	3.74	2.9	5	1.2	74.2	0.48	0.08	1.3	0.201	0.54	0.8
I077716		1.7	1.5	<0.002	0.02	0.07	0.3	2	<0.2	44.0	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
I077717		2.7	103.0	<0.002	6.92	1.66	14.2	3	1.8	74.3	2.71	<0.05	4.7	1.295	0.53	1.7
I077718		70.1	3.1	<0.002	0.02	1.44	2.2	6	0.3	97.7	<0.05	0.05	<0.2	0.009	0.04	0.4
I077719		97.0	8.7	<0.002	0.02	2.29	1.0	3	0.8	48.2	0.06	0.08	0.3	0.019	0.08	0.4
I077720		147.0	20.7	<0.002	0.02	1.62	1.8	5	0.9	38.8	0.18	0.06	0.8	0.060	0.22	1.2
I077721		514	28.0	0.003	0.05	10.85	3.1	8	1.1	32.1	0.10	0.87	1.6	0.036	0.41	6.6
I077722		2120	5.1	0.004	0.07	16.55	1.2	8	1.8	48.9	<0.05	1.72	0.7	0.020	0.30	4.3
I077723		1790	2.6	0.009	0.04	16.05	0.9	4	1.2	48.6	<0.05	0.70	<0.2	<0.005	0.51	7.8
I077724		2000	2.6	0.003	0.05	20.7	1.1	4	1.0	45.4	<0.05	0.86	0.2	<0.005	0.49	8.9
I077725		599	16.8	<0.002	0.05	10.75	1.8	3	1.1	59.7	0.07	0.27	0.3	0.026	0.37	5.4
I077726		1270	4.4	<0.002	0.04	4.43	1.0	4	0.6	54.8	<0.05	0.18	<0.2	0.010	0.10	3.0
I077727		248	13.1	<0.002	0.02	5.50	1.3	3	0.6	77.8	0.09	0.27	0.3	0.033	0.36	5.4
I077728		31.7	161.0	<0.002	0.58	2.84	7.9	3	2.8	166.5	0.55	0.15	3.0	0.302	1.18	2.5
I077729		14.1	800	<0.002	0.01	0.73	6.7	2	1.1	57.8	0.27	<0.05	1.3	0.251	6.58	0.7
I077730		11.8	132.0	0.002	0.32	2.34	15.3	4	2.4	82.4	0.39	0.11	4.7	0.298	1.11	3.0
I077731		7.8	100.5	0.002	0.51	2.59	14.7	3	1.7	165.5	0.42	0.12	4.8	0.297	1.11	4.2

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Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	As- OG62 As % 0.001
I077696		17	26.2	4.8	372	21.5	
I077697		19	19.7	7.0	905	9.9	1.265
I077698		28	27.1	9.7	1100	19.6	1.900
I077699		48	126.0	8.3	658	27.3	2.05
I077700		32	421	2.0	16	38.4	
I077701		77	85.3	16.2	297	56.7	1.200
I077702		62	139.0	20.6	706	67.0	2.39
I077703		22	137.0	12.2	149	22.9	1.045
I077704		28	60.9	14.2	435	22.1	
I077705		35	630	14.9	1090	22.4	1.945
I077706		30	215	12.3	411	34.6	
I077707		22	15.0	8.8	149	29.6	
I077708		2	0.8	0.9	19	0.6	
I077709		14	4.0	12.5	677	2.8	
I077710		16	7.3	7.9	822	11.3	
I077711		8	9.0	6.9	213	4.2	
I077712		15	34.3	9.5	735	8.2	
I077713		144	39.1	14.8	354	258	
I077714		28	2.4	7.6	117	18.9	
I077715		62	4.8	10.6	191	31.6	
I077716		3	0.2	1.0	19	0.5	
I077717		200	1.8	18.9	75	71.5	
I077718		11	5.4	11.4	393	3.0	
I077719		9	4.8	9.4	456	7.7	
I077720		16	18.2	9.7	672	18.7	
I077721		31	184.0	25.8	2630	16.4	0.906
I077722		12	412	12.3	5470	14.2	1.720
I077723		5	940	22.7	8370	2.3	3.62
I077724		6	297	24.0	9330	2.2	3.73
I077725		13	95.1	24.3	2720	13.6	2.09
I077726		8	66.7	21.0	5720	6.2	0.947
I077727		12	42.4	14.9	1630	10.0	1.450
I077728		82	38.6	11.3	616	22.0	
I077729		53	0.5	11.8	30	52.7	
I077730		174	27.9	23.8	958	35.5	
I077731		170	43.8	19.7	1170	57.8	1.180

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 13- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10139133

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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Finalized Date: 10- OCT- 2010
Account: RCM

CERTIFICATE VA10139134

Project: RAU

P.O. No.: BATCH 91

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 28- SEP- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- 31	Fine crushing - 70% < 2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
As- OG62	Ore Grade As - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 10- OCT- 2010
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CERTIFICATE OF ANALYSIS VA10139134

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
I077732		8.72	0.04	0.12	7.67	>10000	2060	1.41	52.3	0.34	5.33	45.6	4.8	68	6.76	60.1
I077733		9.70	0.06	0.12	6.33	>10000	1410	1.56	51.9	0.62	8.68	45.0	2.3	61	7.95	24.4
I077734		8.96	0.05	0.13	6.20	>10000	1220	1.54	16.60	0.61	6.90	82.5	6.3	64	15.00	72.1
I077735		0.28	8.88	21.1	5.27	14.3	40	1.41	1.12	1.34	0.07	6.29	8.5	35	62.1	17.3
I077736		8.70	0.13	0.20	6.05	>10000	1620	1.50	11.40	0.47	4.60	86.1	16.6	58	17.50	63.2
I077737		9.14	0.11	0.25	1.89	>10000	460	0.58	48.6	0.75	13.05	39.4	3.0	53	0.82	128.0
I077738		9.30	0.10	0.32	1.72	>10000	320	0.59	77.4	0.52	11.45	33.3	6.4	20	1.93	78.1
I077739		7.32	<0.01	<0.01	0.06	129	30	0.06	0.42	19.45	0.14	1.23	1.0	<1	0.19	2.5
I077740		2.76	0.10	2.81	0.41	1260	60	0.23	430	20.7	3.58	16.60	3.2	<1	0.47	32.2
I077741		11.48	0.01	2.30	0.13	123	20	0.11	561	17.10	2.79	10.35	1.7	<1	0.38	11.8
I077742		12.38	0.01	0.56	0.13	96	20	0.11	1215	18.65	1.08	9.85	1.9	<1	0.56	5.9
I077743		7.82	0.02	0.06	0.76	99	110	0.14	3.92	17.55	0.12	8.43	4.3	15	0.85	7.2
I077744		11.58	0.08	0.06	0.44	120	140	0.27	9.57	18.50	0.12	6.77	1.1	8	0.68	1.9
I077745		11.88	0.03	0.03	0.62	85	220	0.27	2.78	19.80	0.09	8.28	1.0	15	0.49	1.9
I077746		8.98	0.06	0.11	0.78	33	310	0.27	7.59	18.80	0.04	11.75	8.7	27	0.52	1.7
I077747		9.94	0.05	0.10	7.51	51.5	2250	1.12	3.94	5.41	0.03	47.8	43.9	280	2.48	38.6
I077748		13.12	<0.01	0.07	7.28	37.4	1530	1.18	0.58	7.49	0.09	54.3	47.5	276	9.71	68.9
I077749		11.96	0.04	0.66	9.47	37.4	5890	1.70	0.38	1.64	0.13	84.7	22.0	418	18.25	1015
I077750		11.32	0.01	0.15	8.49	29.8	2200	2.11	0.34	4.09	0.03	109.5	23.9	204	30.0	67.8
I077751		7.10	<0.01	<0.01	0.09	<5	30	0.13	0.06	20.2	0.03	1.43	1.1	2	0.18	1.8
I077752		11.54	0.02	0.15	6.04	92.3	430	1.52	1.92	7.42	0.04	73.5	20.9	127	15.80	36.1
I077753		10.78	0.06	0.08	1.34	155	220	0.44	8.18	17.70	<0.02	16.20	3.3	19	14.35	4.0
I077754		7.88	0.11	0.05	0.67	401	60	0.18	20.1	17.10	0.04	8.19	2.1	12	5.56	3.2
I077755		0.28	3.68	0.23	0.09	>10000	30	<0.05	231	9.51	0.05	6.90	1.2	10	0.59	26.7
I077756		11.68	0.16	0.09	0.70	464	40	0.22	97.3	16.30	0.03	17.65	2.6	16	6.43	3.4
I077757		6.64	0.15	0.06	0.68	242	80	0.24	23.8	17.65	0.02	25.2	1.8	6	5.07	2.6
I077758		12.46	0.16	0.05	0.12	2130	50	0.09	31.7	18.40	0.02	12.80	0.8	2	1.13	1.1
I077759		12.12	0.20	0.07	0.06	4140	40	<0.05	114.0	16.15	<0.02	52.8	0.6	1	0.59	1.5
I077760		11.28	0.46	0.11	0.05	3030	30	<0.05	805	9.49	<0.02	66.6	0.5	4	0.49	2.7
I077761		4.58	0.07	0.07	1.03	421	110	0.30	63.2	16.20	0.03	18.95	1.1	4	10.90	1.9
I077762		11.46	0.28	0.09	0.04	1540	20	<0.05	239	13.15	0.02	87.0	0.7	2	0.34	1.9
I077763		15.04	0.63	0.12	0.09	>10000	20	<0.05	486	11.00	0.02	48.7	1.5	2	0.58	4.1
I077764		7.34	0.70	0.13	0.12	8460	30	0.06	482	11.40	0.03	77.8	1.4	2	0.61	4.4
I077765		14.00	0.94	0.08	0.35	>10000	80	0.09	129.5	12.25	0.06	75.6	0.8	3	1.55	1.9
I077766		14.16	0.61	0.10	0.25	6040	20	0.08	864	10.35	0.02	91.0	1.2	1	1.89	1.8
I077767		7.02	0.01	0.09	1.13	113	280	0.34	1.26	32.8	0.67	18.25	5.9	28	1.11	4.4

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 10- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10139134

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I077732		20.3	30.8	0.47	1.3	0.361	3.75	21.4	15.1	0.56	1010	0.64	0.08	3.6	36.7	1550
I077733		22.6	30.9	0.36	0.4	0.570	3.38	22.6	13.9	0.46	416	0.94	0.05	6.8	21.0	1950
I077734		23.2	23.9	0.44	0.7	0.476	2.84	32.0	13.9	0.60	276	0.60	0.03	15.0	35.5	3340
I077735		2.07	14.70	0.05	1.0	0.022	3.48	2.8	16.6	0.62	303	17.20	1.14	1.8	13.3	650
I077736		20.7	19.10	0.41	1.2	0.295	2.97	37.3	26.6	1.20	210	0.37	0.02	46.3	63.7	1950
I077737		44.6	18.05	0.59	0.4	0.851	0.33	18.8	1.4	0.10	468	0.78	<0.01	2.4	14.1	1570
I077738		45.6	6.02	0.54	0.2	0.383	0.28	18.6	3.0	0.14	2130	1.30	<0.01	3.2	20.6	1100
I077739		0.66	0.20	<0.05	<0.1	0.006	0.02	0.6	1.0	11.55	221	0.06	<0.01	0.2	1.2	170
I077740		6.85	1.46	0.07	0.1	0.080	0.12	7.7	2.4	7.06	4690	0.33	0.01	1.6	4.7	290
I077741		4.73	0.96	<0.05	<0.1	0.079	0.03	4.1	2.2	8.93	6490	0.15	0.01	0.6	1.9	140
I077742		4.57	1.06	<0.05	<0.1	0.064	0.06	3.7	2.7	9.87	6310	0.11	0.01	0.6	2.6	180
I077743		3.58	2.10	<0.05	0.1	0.064	0.08	3.8	6.0	9.22	3140	0.17	0.30	1.7	13.9	100
I077744		3.61	2.60	<0.05	0.1	0.039	0.15	3.1	4.1	10.20	2450	0.29	0.03	1.4	1.3	30
I077745		2.27	3.42	0.05	0.3	0.054	0.29	4.1	4.2	11.30	2280	0.38	<0.01	2.7	2.4	40
I077746		3.17	4.88	0.06	0.7	0.058	0.36	4.9	4.2	10.50	3080	0.72	0.01	5.8	15.2	340
I077747		6.89	20.8	0.16	1.8	0.078	3.66	26.2	13.5	2.88	663	0.74	0.15	20.5	189.5	1570
I077748		5.82	20.6	0.14	1.1	0.074	4.02	29.7	23.7	3.21	1480	0.48	0.14	27.8	214	1510
I077749		5.99	28.3	0.21	0.7	0.181	5.31	48.7	42.5	1.47	371	0.44	0.65	47.6	108.5	2420
I077750		6.53	24.0	0.21	1.7	0.075	5.10	60.5	50.6	2.69	699	0.83	0.11	76.2	119.5	2700
I077751		0.42	0.34	0.20	<0.1	<0.005	0.04	0.7	1.0	12.10	193	0.06	<0.01	0.4	1.6	200
I077752		6.93	18.05	0.16	1.7	0.043	3.40	40.4	24.1	4.48	488	0.88	0.04	56.3	81.7	1820
I077753		4.00	5.45	0.07	0.7	0.016	1.09	10.1	10.2	10.60	970	0.18	0.01	8.9	15.1	420
I077754		5.55	3.59	0.06	0.5	0.023	0.46	5.0	5.3	10.80	1160	0.15	<0.01	4.0	9.5	420
I077755		20.6	0.77	0.34	0.1	0.105	0.05	2.9	1.4	5.10	1800	4.83	<0.01	1.2	8.0	90
I077756		6.25	4.20	0.09	0.5	0.017	0.51	11.1	4.9	10.05	1030	0.11	<0.01	3.5	12.2	370
I077757		3.81	3.60	0.05	0.5	0.022	0.43	16.3	5.2	10.55	1280	0.08	0.01	4.5	6.6	200
I077758		4.39	0.69	<0.05	0.1	0.029	0.08	8.4	2.8	10.65	1380	0.09	<0.01	0.7	1.4	90
I077759		8.55	0.63	0.14	<0.1	0.027	0.04	37.8	2.0	9.17	1400	0.08	<0.01	0.4	1.6	60
I077760		17.80	0.58	0.29	<0.1	0.017	0.03	47.9	1.0	5.12	875	0.11	<0.01	0.4	1.2	70
I077761		6.71	5.45	0.11	0.4	0.025	0.83	11.7	5.8	9.26	1280	0.09	0.01	4.7	3.6	110
I077762		13.20	0.57	0.22	<0.1	0.025	0.02	63.0	1.6	7.63	1610	0.07	<0.01	0.3	1.1	90
I077763		16.85	0.81	0.31	<0.1	0.028	0.04	34.4	1.5	6.40	1120	0.07	<0.01	0.5	5.5	70
I077764		17.80	0.92	0.31	0.1	0.023	0.04	54.8	1.5	6.57	1150	0.11	<0.01	0.5	5.4	70
I077765		13.45	2.11	0.21	0.3	0.044	0.18	52.1	2.0	7.14	1890	0.07	<0.01	2.4	4.3	120
I077766		15.85	1.91	0.28	0.2	0.025	0.16	63.5	1.7	5.74	1320	0.08	<0.01	0.9	5.3	130
I077767		1.16	2.76	<0.05	0.6	0.016	0.56	12.1	4.0	0.30	417	0.24	<0.01	6.4	16.9	270

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CERTIFICATE OF ANALYSIS VA10139134

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I077732		4.6	106.0	0.003	0.37	2.87	17.1	3	1.8	204	0.20	0.29	5.8	0.238	1.01	3.9
I077733		9.7	71.7	<0.002	0.47	4.11	17.8	3	1.4	247	0.47	0.16	6.7	0.333	1.70	3.7
I077734		8.8	87.3	<0.002	0.41	2.81	20.6	3	1.4	295	1.11	0.13	6.1	0.784	1.65	6.0
I077735		5.4	1580	<0.002	0.02	0.79	7.3	2	1.0	72.0	0.21	<0.05	0.5	0.253	12.85	0.4
I077736		12.8	138.0	<0.002	0.19	1.91	18.0	3	1.8	82.5	3.03	0.12	5.2	1.575	0.90	4.8
I077737		7.3	11.9	0.002	0.12	3.35	11.0	4	0.3	75.8	0.13	0.44	5.2	0.080	0.55	8.3
I077738		13.6	14.6	<0.002	0.03	2.04	7.1	4	0.3	16.5	0.19	0.17	2.9	0.073	1.02	5.0
I077739		1.5	1.4	<0.002	<0.01	<0.05	0.3	2	<0.2	38.2	<0.05	<0.05	0.6	<0.005	<0.02	18.5
I077740		164.5	6.7	0.002	1.13	6.66	1.4	3	1.1	93.2	0.10	0.25	0.6	0.033	0.24	1.8
I077741		145.5	4.1	0.008	1.14	10.15	0.7	2	0.6	106.0	<0.05	0.34	<0.2	0.011	0.30	0.6
I077742		66.9	5.7	0.003	1.43	23.2	1.0	3	0.7	126.0	<0.05	0.80	0.2	0.009	0.15	0.6
I077743		5.9	4.6	0.011	0.54	0.30	3.9	2	0.5	122.5	0.09	<0.05	0.3	0.079	0.26	0.2
I077744		5.2	8.0	<0.002	1.95	0.50	2.0	2	0.8	75.5	0.08	<0.05	0.2	0.033	0.16	1.0
I077745		4.7	9.7	<0.002	0.54	0.35	2.4	2	1.1	96.4	0.15	<0.05	0.4	0.056	0.20	0.5
I077746		12.7	12.4	0.003	1.48	0.78	3.2	2	1.6	110.5	0.32	0.06	0.9	0.092	0.29	1.5
I077747		2.4	87.7	<0.002	7.66	1.52	26.1	2	3.9	79.4	1.28	<0.05	3.9	0.766	0.50	1.1
I077748		3.8	97.9	<0.002	0.72	0.79	26.6	2	1.9	139.0	1.75	<0.05	4.4	1.075	0.61	0.6
I077749		1.6	191.5	<0.002	0.49	0.71	25.4	2	5.3	85.9	2.87	<0.05	6.3	1.420	1.58	0.7
I077750		2.9	168.0	<0.002	1.40	0.59	19.9	2	3.8	109.0	4.75	<0.05	11.6	1.020	1.90	0.9
I077751		1.4	1.4	<0.002	0.01	<0.05	0.4	1	<0.2	47.7	<0.05	<0.05	0.2	0.005	<0.02	1.0
I077752		2.6	139.0	<0.002	7.77	0.83	13.6	1	2.5	81.0	3.25	<0.05	8.4	0.697	1.13	1.1
I077753		2.2	111.0	<0.002	4.18	0.56	2.5	3	0.9	78.4	0.52	0.05	1.7	0.122	0.99	1.5
I077754		2.5	76.8	0.002	4.96	0.84	1.6	4	0.7	57.9	0.23	<0.05	0.6	0.063	1.06	1.0
I077755		6.9	6.4	0.003	>10.0	21.0	0.4	4	1.7	66.0	0.05	0.60	0.2	0.007	0.12	0.4
I077756		2.8	104.5	<0.002	6.56	1.66	1.8	3	0.8	61.9	0.18	0.07	0.8	0.062	0.58	0.6
I077757		2.8	62.4	<0.002	3.60	0.85	1.3	2	0.7	79.5	0.30	0.06	1.2	0.048	0.50	0.7
I077758		2.6	11.9	<0.002	4.20	1.25	0.6	2	0.2	85.0	<0.05	0.05	0.2	0.009	0.12	0.2
I077759		2.9	4.1	0.002	9.17	2.83	0.5	4	0.2	79.5	<0.05	0.27	0.3	<0.005	0.06	0.7
I077760		4.4	3.6	0.003	>10.0	9.00	0.5	8	0.2	54.8	<0.05	0.47	0.3	<0.005	0.08	0.8
I077761		3.8	118.0	0.003	7.36	1.40	0.8	3	0.8	80.8	0.26	0.06	1.0	0.042	0.83	0.5
I077762		4.2	3.0	<0.002	>10.0	4.72	0.6	5	0.2	80.2	<0.05	0.18	0.4	<0.005	0.04	1.4
I077763		5.8	7.8	0.002	>10.0	5.08	0.6	8	0.3	56.7	<0.05	0.85	0.2	<0.005	0.07	0.5
I077764		6.6	8.3	0.002	>10.0	4.88	0.6	7	0.3	57.4	<0.05	0.63	0.2	0.006	0.07	0.9
I077765		3.9	26.0	0.002	>10.0	4.52	0.7	3	0.6	84.9	0.13	0.29	0.3	0.023	0.15	1.1
I077766		5.0	30.3	0.031	>10.0	11.70	0.6	6	0.6	66.8	<0.05	0.61	0.4	0.016	0.49	2.3
I077767		7.9	20.2	<0.002	0.05	0.81	3.2	2	0.4	104.0	0.38	<0.05	1.3	0.174	0.16	0.6

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 10- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10139134

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	As- OG62 As % 0.001
I077732		200	39.5	9.7	700	60.4	1.310
I077733		176	50.1	4.4	384	19.4	1.990
I077734		186	26.2	10.4	306	30.8	1.795
I077735		53	0.3	7.7	29	37.6	
I077736		121	12.4	15.8	359	51.8	1.260
I077737		70	74.3	12.4	798	21.0	3.30
I077738		40	58.3	23.2	1910	11.4	2.30
I077739		2	0.5	0.8	22	<0.5	
I077740		8	126.0	18.3	943	7.0	
I077741		4	800	14.4	676	3.2	
I077742		6	240	15.1	270	4.3	
I077743		15	1310	9.4	36	3.8	
I077744		14	5.3	8.9	28	8.0	
I077745		16	3.6	7.3	47	15.0	
I077746		24	289	11.9	17	31.0	
I077747		255	5.3	14.3	43	78.9	
I077748		252	1.5	18.2	104	46.7	
I077749		299	1.3	16.7	68	36.3	
I077750		122	1.3	23.2	70	79.6	
I077751		4	0.3	0.9	15	0.7	
I077752		101	2.6	17.9	30	83.0	
I077753		24	2.3	8.4	13	29.2	
I077754		18	6.1	7.0	22	19.1	
I077755		4	268	4.6	13	3.7	6.56
I077756		18	4.3	7.2	15	18.8	
I077757		16	3.9	7.4	17	19.1	
I077758		7	101.5	5.7	13	2.9	
I077759		6	240	5.6	9	1.7	
I077760		5	358	4.3	7	1.0	
I077761		13	344	5.5	13	14.1	
I077762		6	109.0	4.9	9	0.9	
I077763		7	193.5	4.0	8	1.7	1.245
I077764		7	151.5	4.2	10	2.4	
I077765		9	218	6.4	16	10.1	1.865
I077766		8	4600	7.5	9	5.9	
I077767		29	9.1	9.4	145	28.1	

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 10- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10139134

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 18- OCT- 2010
Account: RCM

CERTIFICATE VA10143564

Project: RAU

P.O. No.: BATCH 92

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 5- OCT- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- 31	Fine crushing - 70% < 2mm
CRU- QC	Crushing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
As- OG62	Ore Grade As - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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North Vancouver BC V7H 0A7
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Finalized Date: 18- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10143564

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
I077768		8.58	0.01	0.14	1.12	158	250	0.26	0.50	32.8	0.82	19.45	4.5	29	0.90	6.8
I077769		7.78	14.30	1.85	2.31	>10000	1390	0.55	516	3.42	9.24	26.6	9.4	63	3.43	38.9
I077770		7.22	2.34	1.01	0.47	>10000	1270	0.14	667	0.95	1.18	21.1	2.9	32	0.54	10.1
I077771		8.06	0.91	0.68	1.72	>10000	1560	0.38	348	1.12	3.28	40.1	6.5	35	2.82	22.0
I077772		0.26	0.41	6.51	5.62	42.9	80	0.89	1.87	1.40	0.04	20.6	7.8	31	19.50	14.5
I077773		6.40	1.49	0.88	1.24	>10000	1720	0.36	566	0.82	2.61	43.5	7.6	22	1.61	18.3
I077774		8.42	1.91	0.59	0.59	>10000	710	0.13	735	0.66	1.13	16.05	3.0	18	0.62	12.4
I077775		9.02	1.94	0.75	2.18	>10000	810	0.48	357	0.51	4.11	27.9	10.7	57	2.67	39.6
I077776		9.02	3.40	0.87	2.18	>10000	670	0.51	218	0.62	2.42	22.7	10.2	73	2.26	24.4
I077777		8.10	0.68	0.74	3.48	3770	950	1.02	64.2	12.25	2.11	37.9	18.1	58	4.56	31.0
I077778		7.12	<0.01	0.01	0.06	29	20	0.06	0.68	20.1	0.07	2.14	1.1	<1	0.13	2.9
I077779		7.02	0.14	0.10	0.06	788	10	<0.05	309	11.75	0.05	16.80	0.9	<1	0.43	2.9
I077780		14.24	0.21	0.09	0.07	2160	10	<0.05	174.0	13.05	0.04	41.0	0.8	<1	0.55	3.4
I077781		13.98	0.25	0.10	0.21	4200	10	0.06	428	11.95	0.05	237	1.4	1	0.55	3.8
I077782		13.70	0.90	0.06	0.12	7900	20	0.08	51.7	15.90	0.04	10.10	0.6	1	0.75	2.6
I077783		14.74	0.80	0.12	0.08	3860	20	0.05	157.5	12.20	0.04	6.72	0.6	<1	0.59	3.6
I077784		13.38	0.13	0.06	0.07	1310	10	<0.05	98.2	15.55	0.04	16.20	0.7	1	0.53	3.2
I077785		14.16	0.32	0.07	0.03	1240	10	<0.05	264	14.90	0.04	82.6	1.0	<1	0.28	2.9
I077786		0.28	1.98	0.26	0.24	>10000	20	0.09	265	12.70	0.21	15.50	2.3	7	0.99	28.7
I077787		13.04	0.12	0.09	0.07	2630	10	0.05	288	13.05	0.05	41.8	1.1	1	0.39	2.9
I077788		13.66	0.09	0.06	0.03	1880	10	<0.05	90.5	11.55	0.07	36.9	0.7	<1	0.36	2.5
I077789		14.22	0.25	0.12	0.02	2630	10	<0.05	273	11.15	0.04	48.6	0.6	<1	0.21	4.6
I077790		7.14	<0.01	0.01	0.07	20	10	0.08	2.22	19.45	0.07	1.81	0.9	<1	0.14	2.8
I077791		12.28	0.45	0.10	0.05	3270	10	<0.05	74.8	14.80	0.05	62.8	3.7	<1	0.34	4.7
I077792		6.68	0.95	0.15	5.97	87	390	1.28	152.5	10.25	0.03	76.2	31.1	29	27.7	101.5
I077793		12.46	0.44	0.25	5.63	77	860	1.21	216	11.90	0.08	65.8	38.7	32	12.50	516
I077794		4.20	0.25	0.32	0.96	963	270	0.33	10.65	21.8	1.19	12.55	4.6	18	1.70	11.2
I077795		9.46	0.35	0.71	4.30	>10000	900	1.16	112.0	2.78	6.20	45.8	15.6	87	5.42	50.3
I077796		8.32	1.84	0.83	0.28	>10000	460	0.14	226	0.95	4.23	14.65	3.6	19	0.49	15.4
I077797		8.58	2.18	0.66	0.41	>10000	1190	0.16	573	1.08	1.53	14.05	3.4	14	0.99	8.3
I077798		4.00	2.32	0.67	0.32	>10000	1250	0.15	524	1.13	1.33	14.60	3.2	15	0.79	7.0
I077799		7.12	2.02	0.57	0.14	>10000	1910	0.13	481	1.05	0.74	23.3	2.0	14	0.11	9.4
I077800		8.82	1.93	0.83	0.16	>10000	2120	0.08	414	1.02	0.53	28.7	1.9	8	0.16	8.1
I077801		8.24	2.29	1.03	0.81	>10000	4610	0.37	259	0.99	2.24	27.3	4.7	22	2.01	15.4
I077802		9.42	6.73	1.29	0.63	>10000	3910	0.24	304	1.49	3.15	12.55	4.6	27	1.36	21.3
I077803		9.50	2.81	1.09	0.45	>10000	2900	0.18	416	1.63	1.24	12.90	3.8	21	0.96	16.5

***** See Appendix Page for comments regarding this certificate *****

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 18- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10143564

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I077768		1.27	3.18	0.08	0.6	0.017	0.53	11.7	4.0	0.24	381	0.25	0.01	7.0	8.3	340
I077769		37.0	9.91	0.57	0.8	0.191	0.81	16.8	8.4	0.46	3440	4.11	0.03	3.8	37.0	900
I077770		48.2	3.51	0.75	0.4	0.291	0.13	8.5	0.8	0.27	5220	4.76	0.02	1.3	11.2	600
I077771		43.3	7.06	0.80	0.8	0.399	0.59	18.3	4.8	0.36	7470	4.02	0.03	2.8	21.6	550
I077772		2.23	16.30	0.08	1.5	0.022	3.57	11.6	7.9	0.64	311	9.66	1.35	2.3	7.7	480
I077773		42.8	6.34	0.64	1.0	0.556	0.35	19.0	3.3	0.37	8860	3.47	0.03	3.3	25.0	590
I077774		>50	2.18	0.81	0.3	0.185	0.18	7.0	1.3	0.22	1650	5.10	0.01	1.3	11.4	360
I077775		40.8	7.22	0.72	0.6	0.252	0.77	14.6	8.9	0.47	2220	4.02	0.02	4.0	34.2	460
I077776		41.4	7.61	0.82	0.7	0.120	0.50	13.0	9.2	1.13	1440	4.51	0.02	4.7	34.4	830
I077777		12.80	15.30	0.22	1.6	0.081	0.49	20.6	15.6	4.05	3960	1.88	0.06	11.0	71.8	1030
I077778		0.55	0.27	0.08	<0.1	<0.005	0.02	1.0	1.0	12.65	230	0.10	<0.01	0.3	<0.2	190
I077779		15.60	0.64	0.24	<0.1	0.025	0.03	9.6	1.3	6.95	1420	0.08	0.01	0.5	3.2	140
I077780		14.40	0.72	0.24	0.1	0.031	0.04	27.3	1.6	7.79	1740	0.09	0.01	0.6	0.4	90
I077781		16.50	2.07	0.37	0.2	0.032	0.05	169.0	1.5	6.98	1640	0.20	0.02	1.6	2.8	190
I077782		10.85	0.89	0.18	0.1	0.042	0.07	5.7	2.2	9.24	1580	0.10	0.01	0.8	<0.2	110
I077783		15.45	0.68	0.25	0.1	0.030	0.04	3.5	2.0	7.43	1300	0.08	0.01	0.6	<0.2	70
I077784		9.05	0.67	0.15	0.1	0.037	0.04	9.4	1.9	8.89	1740	0.10	0.01	0.5	<0.2	70
I077785		13.80	0.60	0.26	<0.1	0.040	0.01	55.2	1.4	8.35	2140	0.09	0.01	0.4	<0.2	130
I077786		15.60	1.69	0.23	0.2	0.082	0.10	7.6	2.0	7.25	3250	4.92	0.01	1.6	7.1	200
I077787		13.35	0.74	0.25	0.1	0.033	0.03	27.4	1.5	7.65	1760	0.11	0.01	0.5	<0.2	80
I077788		12.15	0.47	0.25	<0.1	0.028	0.01	24.7	1.4	6.94	1330	0.06	0.01	0.3	<0.2	40
I077789		18.50	0.43	0.33	<0.1	0.025	0.01	32.9	1.2	6.60	1550	0.09	0.01	0.3	<0.2	30
I077790		0.53	0.25	0.07	<0.1	0.005	0.03	0.9	1.0	12.30	217	0.26	0.01	0.2	<0.2	180
I077791		11.30	0.74	0.20	0.1	0.051	0.03	42.3	1.9	8.42	2670	0.15	0.01	0.5	5.8	140
I077792		7.91	22.5	0.20	3.2	0.086	3.41	39.2	43.1	4.54	4520	0.29	0.13	25.8	59.8	2470
I077793		6.39	19.60	0.15	1.7	0.145	2.97	33.4	29.7	4.81	6100	0.20	0.15	25.2	75.0	2060
I077794		3.45	3.28	0.07	0.4	0.027	0.26	8.6	6.3	7.49	1260	0.42	0.02	2.8	14.0	320
I077795		27.7	12.20	0.37	1.2	0.144	1.32	27.1	21.2	1.82	1900	1.82	0.04	5.1	75.5	910
I077796		48.5	1.63	0.74	0.1	0.127	0.08	8.6	1.0	1.33	442	5.19	0.01	1.0	10.5	510
I077797		49.7	1.60	0.89	0.2	0.180	0.13	6.2	1.6	0.49	1130	4.17	0.01	1.2	9.1	510
I077798		>50	1.37	0.87	0.2	0.189	0.10	6.3	1.2	0.56	1580	4.47	0.01	1.2	8.1	550
I077799		49.2	1.55	0.85	0.2	0.317	0.04	9.3	0.4	0.29	3830	4.42	0.03	1.1	7.2	680
I077800		46.8	1.89	0.82	0.1	0.422	0.06	11.4	0.3	0.18	5080	3.77	0.03	1.1	5.7	490
I077801		46.0	4.10	0.87	0.4	0.305	0.27	13.7	2.3	0.26	2340	2.93	0.05	2.2	21.6	390
I077802		45.8	3.24	0.75	0.4	0.218	0.20	7.0	1.3	0.22	989	3.34	0.05	2.3	18.7	290
I077803		47.2	2.87	0.75	0.4	0.233	0.10	6.0	1.0	0.35	723	3.67	0.04	1.9	13.6	270

***** See Appendix Page for comments regarding this certificate *****

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CERTIFICATE OF ANALYSIS VA10143564

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I077768		18.9	20.5	<0.002	<0.01	0.47	3.8	2	0.5	121.5	0.36	<0.05	1.5	0.181	0.19	0.5
I077769		144.5	51.1	0.002	<0.01	18.00	6.8	2	2.1	38.2	0.18	0.23	2.9	0.145	1.22	3.1
I077770		45.8	14.1	0.002	<0.01	15.00	2.1	2	0.9	17.6	<0.05	0.95	0.7	0.032	0.22	2.4
I077771		128.0	37.9	0.002	<0.01	18.70	5.9	2	1.7	17.1	0.13	0.66	2.3	0.113	0.56	4.0
I077772		14.5	800	<0.002	<0.01	0.69	7.3	1	1.0	62.0	0.21	<0.05	1.4	0.249	6.82	0.7
I077773		91.9	32.2	0.002	<0.01	21.7	4.7	2	1.5	20.0	0.15	0.75	1.5	0.111	0.53	4.9
I077774		49.8	10.1	0.004	<0.01	26.9	2.0	4	0.6	14.4	<0.05	1.08	0.7	0.035	0.22	3.3
I077775		170.0	40.3	<0.002	<0.01	15.55	6.7	2	1.7	13.8	0.19	0.51	2.7	0.155	0.68	2.6
I077776		101.5	31.3	<0.002	<0.01	6.60	5.9	2	1.5	17.4	0.22	0.30	2.7	0.159	0.48	2.7
I077777		79.8	37.2	<0.002	<0.01	4.69	8.4	2	3.4	25.7	0.58	0.37	4.7	0.253	1.30	1.9
I077778		1.8	1.2	<0.002	<0.01	<0.05	0.3	2	<0.2	45.9	<0.05	<0.05	0.2	<0.005	<0.02	0.5
I077779		3.7	5.8	0.002	>10.0	3.86	0.7	5	0.2	76.8	<0.05	0.21	0.2	0.005	0.06	0.4
I077780		3.5	7.9	0.002	>10.0	2.60	0.6	5	0.2	88.0	<0.05	0.17	0.4	0.006	0.08	1.1
I077781		5.6	8.8	0.004	>10.0	5.13	1.0	7	0.4	78.4	0.05	0.49	1.3	0.015	0.13	3.6
I077782		3.3	7.8	0.002	>10.0	2.44	0.5	3	0.2	88.3	<0.05	0.10	0.6	0.006	0.09	6.0
I077783		3.9	5.9	<0.002	>10.0	2.80	0.7	6	<0.2	75.8	<0.05	0.14	0.2	0.005	0.07	0.6
I077784		2.8	6.1	0.003	9.18	1.47	0.6	3	<0.2	92.5	<0.05	0.13	0.3	<0.005	0.07	0.3
I077785		3.8	1.9	0.002	>10.0	2.87	0.6	5	<0.2	98.9	<0.05	0.20	0.4	<0.005	0.03	13.0
I077786		9.2	15.0	0.002	>10.0	9.80	0.7	2	2.0	92.4	0.07	0.25	0.6	0.021	0.25	0.6
I077787		4.3	4.0	0.003	>10.0	3.09	0.5	5	0.3	88.2	<0.05	0.26	0.2	0.005	0.07	1.3
I077788		3.2	2.3	<0.002	>10.0	1.89	0.6	5	0.2	82.7	<0.05	0.10	0.3	<0.005	0.04	0.4
I077789		4.3	1.2	0.003	>10.0	7.94	0.4	6	<0.2	72.5	<0.05	0.28	0.2	<0.005	0.06	0.9
I077790		1.5	1.2	<0.002	0.08	<0.05	0.3	2	<0.2	45.6	<0.05	<0.05	<0.2	<0.005	<0.02	1.4
I077791		4.2	2.8	<0.002	>10.0	2.43	0.5	4	<0.2	109.5	<0.05	0.13	0.2	0.005	0.09	0.9
I077792		3.3	160.0	<0.002	4.93	1.10	12.8	2	6.3	76.0	1.46	0.05	4.2	0.851	1.66	5.0
I077793		6.4	103.0	0.002	1.63	0.82	11.8	2	8.7	89.0	1.44	0.11	4.0	0.824	0.60	2.1
I077794		62.1	14.6	<0.002	0.01	2.02	2.9	2	0.9	30.1	0.14	0.08	1.2	0.081	0.26	0.6
I077795		244	70.6	<0.002	<0.01	15.20	10.7	2	4.9	16.9	0.27	0.38	4.8	0.216	0.92	3.5
I077796		52.7	4.7	0.002	<0.01	12.40	1.7	3	0.3	14.7	<0.05	0.60	0.3	0.018	0.08	3.9
I077797		110.5	9.1	<0.002	0.02	15.95	1.7	2	0.5	19.1	<0.05	0.67	0.5	0.025	0.18	4.6
I077798		77.6	6.9	<0.002	0.02	14.15	1.4	2	0.4	20.6	<0.05	0.67	0.4	0.021	0.16	5.1
I077799		27.3	5.8	<0.002	0.06	12.40	1.4	3	0.6	25.0	<0.05	1.03	0.3	0.008	0.09	5.1
I077800		35.7	9.2	<0.002	0.06	11.45	1.5	3	0.6	28.0	<0.05	0.97	0.2	0.009	0.09	5.2
I077801		151.0	29.9	0.002	0.13	19.15	3.2	3	1.0	29.6	0.08	0.73	1.1	0.048	0.24	5.6
I077802		122.5	14.5	<0.002	0.13	27.2	2.2	3	1.2	31.6	0.07	0.80	1.1	0.043	0.18	6.4
I077803		56.2	9.3	0.002	0.11	17.90	1.7	3	1.1	33.6	0.06	0.59	1.0	0.026	0.12	6.1

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 18- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10143564

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	As- OG62
	Analyte	V	W	Y	Zn	Zr	As
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
I077768		30	1.4	9.9	177	23.8	
I077769		63	15.7	26.0	1240	31.4	2.66
I077770		17	52.6	28.1	173	17.9	2.49
I077771		40	24.4	43.3	673	29.4	1.975
I077772		53	0.3	11.4	29	51.5	
I077773		36	19.0	54.2	617	40.0	2.16
I077774		18	166.5	25.8	301	11.6	2.23
I077775		48	91.2	22.9	870	24.8	1.325
I077776		42	57.3	18.8	597	30.2	1.210
I077777		60	20.2	21.3	593	69.7	
I077778		2	0.2	1.0	16	0.8	
I077779		6	131.0	6.6	9	2.1	
I077780		6	103.0	6.2	10	2.5	
I077781		9	470	7.4	11	7.0	
I077782		5	162.0	4.6	12	3.1	
I077783		6	82.7	4.2	10	2.3	
I077784		5	237	6.3	11	1.9	
I077785		5	128.5	8.4	13	1.2	
I077786		8	59.4	7.4	59	6.8	2.75
I077787		6	258	6.3	11	2.3	
I077788		5	55.3	6.2	11	0.7	
I077789		5	254	5.1	9	<0.5	
I077790		2	1.9	0.9	15	<0.5	
I077791		11	84.1	6.0	14	4.3	
I077792		145	40.1	21.7	27	135.0	
I077793		134	186.5	22.3	34	70.1	
I077794		18	6.8	10.3	352	17.9	
I077795		75	42.1	31.2	2090	43.0	1.215
I077796		15	12.8	17.4	842	6.0	2.72
I077797		15	23.6	15.4	522	8.8	3.36
I077798		13	15.7	15.6	422	6.7	3.62
I077799		8	13.3	24.4	202	8.2	3.45
I077800		8	4.6	29.3	125	6.8	3.79
I077801		31	20.4	32.6	744	18.3	3.14
I077802		16	40.5	13.5	653	16.8	4.70
I077803		10	20.0	13.7	427	15.0	5.05

***** See Appendix Page for comments regarding this certificate *****

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 18- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10143564

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

ALS Canada Ltd.

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 19- OCT- 2010
This copy reported on 16- NOV- 2010
Account: RCM

CERTIFICATE VA10143565

Project: RAU

P.O. No.: BATCH 93

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 5- OCT- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- 31	Fine crushing - 70% < 2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
As- OG62	Ore Grade As - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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Finalized Date: 19- OCT- 2010
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Project: RAU

CERTIFICATE OF ANALYSIS VA10143565

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
I077804		3.46	3.34	1.42	0.66	>10000	5190	0.19	280	1.85	2.15	14.15	3.2	23	1.27	24.7
I077805		9.34	5.14	1.02	0.40	>10000	4370	0.11	732	2.75	5.03	10.55	1.8	18	0.92	22.1
I077806		9.02	25.3	18.30	0.37	>10000	250	0.11	3510	2.14	2.46	8.95	0.7	14	0.69	10.2
I077807		11.76	1.78	38.0	0.29	>10000	2700	0.07	719	0.77	33.2	7.12	1.8	15	0.42	23.5
I077808		10.14	1.35	18.75	0.40	>10000	2590	0.13	594	0.95	42.3	9.17	1.7	17	0.68	23.0
I077809		0.26	2.99	1.65	6.48	2060	370	1.16	3.21	2.08	1.08	36.8	55.3	636	5.16	1080
I077810		10.86	5.18	73.6	0.44	>10000	3620	0.13	600	1.03	61.1	5.15	1.5	24	0.65	65.1
I077811		9.42	4.13	30.7	0.23	>10000	2840	0.06	835	0.72	23.4	6.94	1.4	15	0.21	35.7
I077812		10.04	0.49	17.60	0.31	>10000	1820	0.25	137.0	0.80	22.7	18.55	2.4	33	0.34	19.0
I077813		9.88	0.30	9.98	0.62	>10000	1950	0.30	352	0.61	22.3	18.50	5.4	30	0.27	21.3
I077814		2.46	0.51	24.4	1.92	>10000	4820	1.43	118.0	0.99	46.7	53.6	6.1	33	2.15	27.3
I077815		7.62	<0.01	0.10	0.06	177	70	0.08	1.31	21.4	0.18	1.42	1.2	4	0.12	1.8
I077816		7.22	0.99	1.69	1.57	8230	630	0.90	12.90	20.0	4.32	22.2	4.6	25	2.58	6.6
I077817		8.60	0.11	0.70	0.78	2320	280	0.47	3.73	22.2	3.42	9.81	2.2	12	0.67	2.9
I077818		10.04	0.05	1.45	0.82	3290	320	0.50	11.25	21.0	2.71	9.93	3.2	14	0.70	4.2
I077819		10.90	0.02	0.17	0.65	1140	190	0.43	3.17	22.1	0.54	9.40	2.2	13	1.68	2.5
I077820		4.86	0.13	0.14	0.46	2790	170	0.20	78.3	17.30	0.25	14.75	2.3	14	2.38	5.5
I077821		5.42	0.02	0.04	0.39	405	50	0.17	7.99	20.7	0.20	10.05	1.7	11	3.78	1.6
I077822		0.80	7.92	0.55	0.80	>10000	750	0.16	777	1.55	0.18	9.93	1.1	13	1.79	8.2
I077823		3.18	6.83	0.45	0.11	>10000	530	<0.05	917	1.08	0.20	13.60	0.4	8	15.65	8.0
I077824		2.42	3.69	0.37	0.13	>10000	210	<0.05	710	0.94	0.07	8.91	0.5	6	2.13	8.4
I077825		0.38	5.85	0.34	0.10	>10000	50	<0.05	387	1.19	0.06	2.62	0.4	5	0.78	3.1
I077826		3.40	3.83	0.73	0.33	>10000	330	0.07	1400	0.56	0.05	6.98	0.5	7	2.22	4.5
I077827		7.08	<0.01	<0.01	0.07	401	20	0.08	3.73	21.3	0.06	1.49	1.2	4	0.15	2.1
I077828		1.14	1.60	0.37	0.61	>10000	200	0.13	798	0.70	0.02	5.24	0.5	11	1.85	4.2
I077829		1.36	24.6	1.27	2.46	>10000	640	0.64	660	0.37	0.04	7.86	0.8	41	1.47	9.5
I077830		10.16	0.32	0.13	0.57	>10000	60	0.17	471	12.05	0.10	9.64	2.0	13	4.85	7.1
I077831		10.68	0.19	0.18	3.15	3770	260	0.91	358	10.95	0.90	24.7	3.1	44	6.09	7.0
I077832		12.68	0.43	0.34	1.90	2670	200	0.57	586	13.10	0.32	25.5	2.3	23	4.33	4.2
I077833		6.34	0.38	0.34	1.33	3650	160	0.45	96.1	14.25	0.29	18.95	1.9	17	4.08	3.7
I077834		13.12	0.09	0.61	0.32	4010	20	0.13	77.9	15.85	0.21	15.45	1.3	6	2.55	3.8
I077835		7.24	0.53	0.41	0.09	>10000	10	<0.05	53.6	12.15	0.14	7.26	0.9	1	0.37	3.8
I077836		5.80	3.20	0.19	0.09	>10000	10	<0.05	252	6.54	0.10	10.15	1.0	2	0.84	6.0
I077837		0.28	0.36	1.48	0.14	6560	50	0.05	68.9	14.70	2.13	15.70	1.4	8	0.34	18.1
I077838		3.52	4.57	0.66	0.32	>10000	40	0.06	295	1.04	0.16	26.8	1.3	3	9.37	6.6
I077839		5.20	7.36	0.55	1.61	>10000	450	0.23	340	0.69	0.19	22.5	0.9	30	7.27	9.1

Comments: **CORRECTED COPY FOR Au- AA26 ON SAMPLES I077804 TO I077839**

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 19- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10143565

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I077804		46.3	2.97	0.70	0.3	0.222	0.22	6.4	1.5	0.21	526	2.75	0.06	2.0	13.9	250
I077805		44.9	2.41	0.71	0.2	0.249	0.20	4.8	1.5	0.10	451	3.05	0.06	1.6	7.6	300
I077806		32.8	3.17	0.57	0.9	0.258	0.79	3.8	3.6	0.09	269	4.24	0.04	2.3	3.2	380
I077807		>50	2.52	0.82	0.4	0.377	0.16	3.6	1.7	0.08	184	6.29	0.04	1.6	9.3	220
I077808		>50	3.96	0.69	0.2	0.254	0.24	4.2	1.8	0.10	271	4.07	0.04	1.2	9.2	240
I077809		8.97	17.80	0.19	6.4	0.135	1.37	18.4	22.6	2.39	800	6.46	0.86	3.5	489	370
I077810		49.4	4.00	0.80	0.2	0.512	0.27	2.5	2.0	0.08	263	5.47	0.05	1.4	8.9	340
I077811		>50	2.48	0.85	0.2	0.230	0.11	2.8	0.7	0.11	537	5.59	0.03	1.1	6.9	440
I077812		>50	2.47	0.81	0.2	0.427	0.09	9.9	1.0	0.17	1410	3.22	0.03	1.3	14.1	480
I077813		>50	4.52	0.82	0.4	0.223	0.08	8.3	1.1	0.30	1340	5.05	0.06	1.7	23.7	460
I077814		43.4	10.20	0.81	1.1	0.456	0.45	28.7	4.5	0.34	1200	2.35	0.10	3.3	27.6	530
I077815		0.63	0.22	<0.05	<0.1	0.006	0.02	0.7	0.8	13.05	216	0.20	0.01	0.3	1.6	180
I077816		12.05	9.79	0.25	1.0	0.180	0.37	13.2	3.8	3.68	2420	0.96	0.06	5.1	15.1	810
I077817		3.98	4.63	0.10	0.5	0.172	0.16	5.5	2.4	8.14	2750	0.37	0.04	3.3	6.1	240
I077818		7.01	5.66	0.15	0.6	0.214	0.23	5.1	3.1	7.74	3280	0.51	0.04	2.6	8.1	250
I077819		3.43	3.38	0.09	0.4	0.038	0.31	6.2	3.8	10.40	1680	0.33	0.02	2.9	5.2	160
I077820		11.20	1.87	0.19	0.2	0.055	0.22	8.1	4.4	9.59	1940	0.30	0.02	2.9	6.8	190
I077821		2.05	1.61	0.07	0.2	0.014	0.25	6.2	4.9	11.85	868	0.13	0.01	2.8	4.7	140
I077822		33.1	6.84	0.50	0.5	0.155	1.15	5.1	4.4	2.49	428	0.35	0.03	3.6	3.8	310
I077823		32.3	1.99	0.49	0.2	0.148	1.14	7.7	3.4	2.29	502	0.25	0.03	1.1	1.7	310
I077824		48.3	1.53	0.68	0.1	0.129	0.19	3.8	1.1	0.97	1270	0.35	0.01	0.9	3.3	130
I077825		25.3	0.65	0.38	0.1	0.161	0.14	1.2	0.9	0.57	544	0.10	0.07	0.6	0.9	110
I077826		36.9	2.70	0.66	0.6	0.078	1.05	3.0	2.0	2.31	568	0.28	0.03	4.3	2.4	190
I077827		0.64	0.28	0.06	<0.1	0.005	0.03	0.7	1.2	12.95	220	0.09	0.01	0.3	1.2	170
I077828		42.2	4.38	0.74	0.7	0.093	1.18	2.2	2.5	1.45	711	0.29	0.02	5.0	2.4	140
I077829		25.7	17.55	0.38	1.3	0.138	1.66	3.4	10.0	1.17	1100	0.63	0.04	5.6	3.8	390
I077830		14.60	3.92	0.24	0.5	0.081	0.36	3.7	4.6	7.36	2300	0.31	0.02	4.9	5.5	180
I077831		10.95	17.70	0.20	1.4	0.091	1.79	12.2	12.0	6.54	2200	0.32	0.04	19.4	12.4	550
I077832		10.80	9.77	0.19	1.1	0.065	1.23	12.9	11.8	7.46	2400	0.26	0.02	15.6	8.4	490
I077833		9.57	7.08	0.19	0.8	0.073	0.87	9.1	9.3	7.97	2580	0.19	0.02	10.7	6.8	330
I077834		10.75	2.36	0.18	0.2	0.117	0.21	7.4	3.4	8.61	3400	0.12	0.01	2.2	3.5	120
I077835		14.50	0.57	0.16	0.1	0.108	0.03	3.1	1.6	7.07	2850	0.14	0.02	0.4	3.5	110
I077836		23.3	0.53	0.31	0.1	0.082	0.03	5.0	1.2	3.90	1240	0.12	0.01	0.7	3.0	70
I077837		10.25	1.10	0.13	0.1	0.128	0.05	6.6	1.9	8.22	4440	2.18	0.02	1.1	7.1	140
I077838		34.9	1.51	0.45	0.2	0.177	0.76	15.7	2.5	0.31	1060	0.18	0.02	0.8	3.5	380
I077839		29.8	6.17	0.42	0.6	0.230	1.40	13.1	10.3	0.26	572	0.44	0.03	4.4	5.4	1150

Comments: **CORRECTED COPY FOR Au- AA26 ON SAMPLES I077804 TO I077839**

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 19- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10143565

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I077804		116.0	14.2	<0.002	0.13	23.4	2.4	6	1.1	49.1	0.08	0.49	1.1	0.047	0.21	6.1
I077805		143.0	12.1	0.002	0.24	73.0	2.0	5	0.8	195.5	0.05	0.70	0.6	0.029	0.26	7.7
I077806		1410	42.7	0.003	1.41	315	2.1	33	4.4	526	0.09	3.41	0.6	0.067	1.45	5.7
I077807		649	9.3	0.003	0.36	56.1	2.0	14	1.4	119.5	<0.05	1.21	0.5	0.040	0.51	2.9
I077808		448	21.3	0.004	0.39	32.5	2.3	5	2.7	118.5	<0.05	0.56	0.6	0.020	0.22	3.5
I077809		234	82.0	0.003	1.45	190.0	23.5	3	3.0	130.5	0.37	1.57	5.6	0.244	0.92	1.8
I077810		397	19.8	0.002	0.41	45.7	1.5	9	2.0	129.5	<0.05	0.66	0.7	0.018	0.26	5.8
I077811		722	8.1	<0.002	0.17	64.1	1.3	4	1.0	37.2	<0.05	0.69	0.5	0.008	0.08	3.5
I077812		504	9.8	0.002	0.14	7.15	5.7	3	2.6	48.5	<0.05	0.31	0.8	0.011	0.11	3.6
I077813		841	9.5	0.003	0.14	8.36	4.2	4	2.1	30.6	<0.05	1.02	0.7	0.023	0.08	3.2
I077814		443	71.5	0.023	0.14	15.40	7.2	7	13.2	54.7	0.15	0.67	1.7	0.095	0.90	4.6
I077815		2.7	1.1	<0.002	0.01	0.12	0.3	1	<0.2	43.1	<0.05	<0.05	<0.2	<0.005	<0.02	0.4
I077816		77.8	59.7	<0.002	0.02	2.31	4.7	3	5.5	41.7	0.30	0.20	1.2	0.139	0.42	1.6
I077817		42.4	25.8	<0.002	0.01	1.08	1.9	2	7.5	70.6	0.20	0.06	0.7	0.085	0.19	0.7
I077818		67.9	35.3	<0.002	0.01	1.01	2.7	2	9.5	73.5	0.15	0.09	0.4	0.066	0.17	0.8
I077819		23.5	27.7	<0.002	0.02	0.80	1.9	2	1.2	81.1	0.18	0.08	0.4	0.075	0.20	0.5
I077820		6.5	22.5	<0.002	0.07	4.36	1.1	3	0.5	53.4	0.16	0.12	1.2	0.032	0.23	0.4
I077821		2.2	40.3	<0.002	0.05	1.55	1.0	2	0.3	54.3	0.16	0.05	0.7	0.029	0.28	0.2
I077822		13.7	135.0	0.002	1.33	70.7	2.1	6	1.3	152.5	0.15	1.72	7.5	0.037	1.14	1.1
I077823		14.2	164.0	<0.002	2.00	142.0	1.0	9	0.6	503	<0.05	2.19	2.2	0.014	0.60	1.3
I077824		12.6	27.5	0.002	0.47	43.7	0.9	7	0.5	80.4	<0.05	0.94	0.2	0.006	0.25	0.7
I077825		4.3	11.0	<0.002	0.68	42.7	0.5	5	0.3	44.7	<0.05	0.82	<0.2	0.007	0.10	0.1
I077826		15.6	141.5	0.002	1.97	55.2	1.1	10	1.7	133.0	0.21	0.98	1.5	0.044	0.81	0.9
I077827		1.2	1.7	<0.002	0.01	0.22	0.3	2	<0.2	43.5	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
I077828		12.1	85.0	<0.002	1.68	26.9	1.1	12	1.5	74.5	0.27	0.79	1.5	0.038	0.59	0.8
I077829		9.8	88.2	<0.002	0.97	15.15	2.7	5	4.5	40.7	0.27	0.57	2.3	0.104	0.49	1.5
I077830		4.6	63.6	<0.002	>10.0	9.46	1.1	3	1.1	81.4	0.33	0.38	0.7	0.047	0.39	0.7
I077831		9.0	149.0	<0.002	9.21	7.30	3.6	3	6.2	75.5	1.11	0.25	2.9	0.208	0.72	2.0
I077832		8.9	102.0	<0.002	>10.0	7.35	2.8	3	3.4	81.9	0.96	0.33	2.9	0.162	0.45	1.3
I077833		7.4	80.0	<0.002	9.02	2.43	2.1	2	2.6	89.4	0.65	0.13	1.8	0.113	0.38	1.1
I077834		6.3	42.1	<0.002	9.78	2.89	0.8	2	1.1	99.5	0.12	0.10	0.3	0.023	0.23	0.3
I077835		5.1	4.4	0.003	>10.0	6.58	0.4	2	0.4	83.5	<0.05	0.14	<0.2	0.006	0.07	0.1
I077836		4.8	8.0	<0.002	>10.0	21.9	0.4	4	0.3	45.3	<0.05	0.38	<0.2	0.008	0.07	0.3
I077837		110.5	4.5	0.002	9.42	3.08	0.5	2	3.2	115.0	<0.05	0.10	0.8	0.009	0.08	0.4
I077838		10.4	106.5	<0.002	2.11	38.7	0.6	6	0.9	322	<0.05	2.36	0.5	0.012	0.28	0.8
I077839		8.9	99.4	<0.002	1.44	45.9	2.8	7	1.4	313	0.26	2.04	3.6	0.062	0.60	1.1

Comments: **CORRECTED COPY FOR Au- AA26 ON SAMPLES I077804 TO I077839**

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 19- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10143565

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	As- OG62 As % 0.001
I077804		15	10.5	10.7	646	14.8	6.29
I077805		9	36.0	8.1	665	10.8	8.86
I077806		11	94.2	2.8	262	39.2	8.64
I077807		22	13.6	5.0	4310	33.0	3.41
I077808		25	13.1	7.3	3820	10.9	3.93
I077809		152	39.9	15.3	377	281	
I077810		13	14.1	3.3	5080	10.4	4.34
I077811		7	5.0	8.3	4800	7.0	2.76
I077812		25	17.3	18.0	4370	7.0	3.01
I077813		20	20.7	15.2	4560	20.4	2.19
I077814		44	5050	54.6	5030	47.0	3.20
I077815		2	2.0	0.9	37	<0.5	
I077816		34	31.9	20.1	810	45.6	
I077817		14	8.6	7.6	436	21.0	
I077818		17	17.1	10.4	354	26.2	
I077819		13	3.7	8.1	110	18.1	
I077820		10	14.9	10.2	44	9.9	
I077821		7	1.1	6.3	52	7.9	
I077822		9	304	3.8	33	22.3	7.26
I077823		3	137.5	2.6	7	11.1	11.00
I077824		8	316	7.7	22	4.1	4.06
I077825		2	158.5	2.4	6	3.1	19.70
I077826		13	245	6.9	33	32.3	4.51
I077827		2	1.8	1.0	14	0.8	
I077828		12	190.0	7.7	11	31.7	3.06
I077829		48	245	6.2	14	57.5	4.40
I077830		11	73.5	10.4	13	19.8	1.125
I077831		42	121.5	14.2	169	60.0	
I077832		26	109.5	10.6	57	47.9	
I077833		19	108.5	10.1	56	34.9	
I077834		5	175.0	8.5	45	10.0	
I077835		3	167.5	6.9	30	1.9	3.78
I077836		3	33.4	6.5	14	2.9	5.13
I077837		6	117.5	6.1	452	3.4	
I077838		7	71.8	6.9	41	11.0	10.00
I077839		31	76.0	3.2	40	19.2	10.55

Comments: **CORRECTED COPY FOR Au- AA26 ON SAMPLES I077804 TO I077839**

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 19- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10143565

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 18- OCT- 2010
Account: RCM

CERTIFICATE VA10143566

Project: RAU

P.O. No.: BATCH 94

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 5- OCT- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% < 2mm
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
As- OG62	Ore Grade As - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 18- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10143566

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
I077840		4.12	1.69	0.47	1.15	>10000	220	0.30	156.5	1.13	0.87	24.9	1.9	23	3.02	17.3
I077841		1.58	1.14	0.33	0.62	>10000	40	0.18	98.8	0.81	0.35	15.55	2.2	4	0.44	10.2
I077842		7.42	4.11	0.91	0.37	>10000	80	0.18	185.0	1.08	0.44	14.40	1.7	3	1.07	11.0
I077843		6.78	16.00	3.27	0.30	>10000	60	0.10	528	1.11	0.40	10.85	0.8	3	5.83	5.7
I077844		6.66	21.8	3.10	0.28	>10000	50	0.14	582	1.21	0.25	18.65	1.4	5	15.20	6.6
I077845		0.28	8.77	21.4	5.19	8.7	30	1.56	0.86	1.39	0.03	5.86	8.7	37	64.7	18.1
I077846		7.68	5.47	1.62	0.39	>10000	60	0.16	132.5	1.13	0.75	27.9	1.9	5	2.16	14.9
I077847		7.92	1.55	0.54	0.57	>10000	100	0.20	67.8	1.38	2.91	30.0	4.1	6	1.26	24.5
I077848		7.92	0.04	0.01	0.07	436	20	0.06	1.30	21.6	0.09	1.22	1.4	<1	0.22	2.4
I077849		1.14	1.02	0.19	0.25	>10000	60	0.18	18.35	17.95	0.25	7.23	1.4	2	0.41	3.1
I077850		11.98	2.59	0.09	0.39	8450	90	0.15	85.1	15.20	0.12	5.13	2.3	2	0.55	3.2
I077851		12.86	1.92	0.20	0.14	>10000	30	0.06	74.0	16.45	0.10	4.44	1.2	<1	0.31	3.0
I077852		11.62	0.08	0.21	0.15	5910	30	0.13	34.0	18.95	0.29	6.71	1.3	2	0.35	2.8
I077853		11.60	0.04	0.20	0.10	2220	20	0.11	9.27	19.10	0.71	7.12	1.1	1	0.51	2.2
I077854		12.78	1.70	2.51	0.07	>10000	20	0.09	28.8	17.95	4.25	8.14	1.0	<1	0.36	4.0
I077855		5.92	0.76	2.44	0.14	>10000	30	0.09	30.1	17.55	3.05	8.94	1.0	2	0.38	3.3
I077856		12.78	3.30	1.53	0.22	>10000	50	0.07	292	16.95	0.54	8.03	1.5	1	0.43	4.2
I077857		13.26	0.40	3.50	0.03	6460	10	0.05	71.6	16.90	0.53	39.0	1.1	<1	0.31	2.3
I077858		11.72	0.04	0.41	0.04	4370	10	0.07	8.28	18.95	0.77	79.9	1.2	<1	0.34	1.6
I077859		10.86	0.03	0.23	0.06	792	10	0.12	1.86	19.35	0.66	6.12	1.0	<1	0.32	1.5
I077860		12.98	0.82	0.80	0.05	3480	20	0.05	30.8	17.30	0.75	5.74	1.1	<1	0.27	2.5
I077861		11.34	1.20	2.18	0.08	2420	10	0.06	105.0	17.55	3.55	15.60	1.6	<1	0.28	5.5
I077862		9.84	0.05	0.44	0.08	2350	20	0.08	609	18.60	1.19	12.30	1.9	<1	0.52	3.2
I077863		7.26	<0.01	0.03	0.07	28	20	0.08	0.44	21.2	0.09	1.33	1.4	2	0.23	2.6
I077864		7.02	<0.01	<0.01	0.10	163	40	0.05	1.41	37.7	0.09	2.17	0.9	2	0.15	1.4
I077865		6.36	0.12	0.62	0.89	284	210	0.31	0.45	33.0	1.01	12.60	3.3	24	0.93	5.7
I077866		1.56	0.03	0.19	0.69	182	200	0.23	0.30	34.8	0.76	11.80	2.4	21	0.80	3.2
I077867		2.74	0.02	0.18	0.79	190	250	0.27	0.25	34.0	1.05	13.70	4.1	21	0.62	3.3
I077868		1.62	4.78	3.67	0.71	>10000	2570	0.23	702	2.08	7.27	16.85	2.8	26	1.55	18.9
I077869		4.38	74.8	11.00	0.38	>10000	2300	0.11	5080	1.11	0.20	27.9	0.1	14	0.35	11.4
I077870		0.28	0.40	7.10	5.44	112.5	80	1.15	3.34	1.45	0.05	18.55	8.5	33	20.4	13.5
I077871		9.12	4.62	1.58	0.33	>10000	3310	0.06	1130	0.73	2.03	7.69	3.1	10	0.36	20.2
I077872		7.74	0.34	1.16	0.82	>10000	2170	0.37	265	0.77	4.28	38.2	4.3	10	0.50	23.6
I077873		6.72	0.26	1.03	0.76	>10000	330	0.38	422	0.79	5.24	22.3	4.1	18	0.40	33.8
I077874		4.34	0.18	2.19	1.07	>10000	480	0.78	67.3	0.74	7.62	26.1	5.3	12	0.24	26.7
I077875		2.64	0.16	0.98	1.24	>10000	390	1.04	106.0	1.00	12.40	34.0	6.7	25	0.84	32.0

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 18- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10143566

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I077840		43.7	5.15	0.55	0.3	0.171	0.52	12.7	3.9	0.16	1240	1.16	0.03	2.6	8.7	370
I077841		48.5	2.78	0.62	0.2	0.130	0.12	6.7	0.9	0.10	1220	0.79	0.05	1.1	9.9	280
I077842		44.9	1.51	0.61	0.1	0.193	0.10	7.7	0.7	0.08	1470	0.61	0.01	0.8	6.3	240
I077843		32.4	2.12	0.56	0.1	0.322	0.34	5.0	1.2	0.06	828	0.47	0.02	0.7	2.3	270
I077844		32.6	1.80	0.52	0.1	0.320	0.44	9.3	1.6	0.08	2160	0.61	0.02	0.7	4.8	260
I077845		2.09	16.55	0.09	0.9	0.020	3.74	2.5	19.2	0.63	301	18.10	1.18	1.7	12.7	630
I077846		42.5	2.89	0.60	0.1	0.317	0.20	11.8	0.8	0.10	2090	0.63	0.02	0.7	6.5	270
I077847		47.1	4.19	0.68	0.2	0.323	0.18	10.9	0.9	0.11	5400	0.78	0.01	0.9	8.4	370
I077848		0.82	0.26	0.09	<0.1	0.007	0.03	0.6	1.2	12.95	237	0.19	0.01	0.2	<0.2	180
I077849		9.46	1.69	0.19	0.2	0.100	0.11	4.4	2.3	10.50	3840	0.18	0.01	0.9	1.2	230
I077850		12.30	2.54	0.24	0.2	0.091	0.17	2.4	3.6	8.62	2490	0.09	0.01	1.4	5.4	230
I077851		10.15	1.10	0.19	0.1	0.087	0.05	1.9	2.0	9.12	3050	0.11	0.01	0.6	<0.2	140
I077852		4.52	1.08	0.10	0.1	0.076	0.04	3.8	2.6	10.70	2190	0.11	0.02	0.6	2.6	230
I077853		5.84	0.78	0.11	0.1	0.133	0.03	3.9	2.4	10.80	2560	0.09	0.01	0.5	1.1	130
I077854		8.18	0.86	0.17	0.1	0.241	0.03	4.6	2.0	9.39	4560	0.07	0.01	0.4	0.9	90
I077855		8.63	1.01	0.18	0.1	0.244	0.05	5.3	2.2	9.26	4430	0.07	0.04	0.5	1.8	90
I077856		10.50	1.96	0.23	0.1	0.190	0.08	4.0	1.9	8.89	5010	0.05	0.01	1.0	3.8	150
I077857		9.41	0.67	0.20	0.1	0.239	0.01	26.3	1.7	9.26	3740	0.05	0.01	0.4	2.8	60
I077858		6.35	0.77	0.16	<0.1	0.192	0.01	54.7	1.9	10.65	3280	0.05	0.01	0.3	3.9	80
I077859		4.86	0.69	0.09	0.1	0.156	0.02	3.4	2.0	10.85	2870	0.05	0.01	0.5	1.1	130
I077860		9.79	0.73	0.20	<0.1	0.144	0.02	2.8	1.6	9.34	3780	<0.05	0.01	0.4	0.8	150
I077861		10.60	1.00	0.22	0.1	0.186	0.03	9.1	1.8	9.20	4830	0.08	0.01	0.4	2.1	110
I077862		7.24	1.20	0.15	0.1	0.125	0.03	5.8	2.5	9.65	8480	0.07	0.02	0.5	4.1	120
I077863		0.48	0.30	0.12	<0.1	0.005	0.02	0.7	0.9	12.65	230	0.07	0.01	0.2	2.6	170
I077864		0.23	0.40	0.05	0.1	<0.005	0.06	2.5	0.5	0.26	198	<0.05	<0.01	1.0	0.5	70
I077865		1.32	2.43	0.06	0.4	0.025	0.41	9.5	2.2	0.27	352	0.13	0.01	5.1	9.6	200
I077866		0.92	1.92	<0.05	0.3	0.027	0.33	9.0	1.9	0.23	424	0.18	0.01	4.1	9.0	180
I077867		1.33	2.31	0.06	0.3	0.020	0.38	10.5	1.3	0.22	480	0.21	0.01	5.2	13.1	230
I077868		>50	3.13	1.06	0.3	0.295	0.28	10.1	2.1	0.14	622	4.42	0.02	1.6	12.6	430
I077869		17.00	4.35	0.49	1.2	0.670	0.17	19.9	1.6	0.15	20	1.75	0.04	1.9	0.8	1600
I077870		2.21	15.65	0.12	1.5	0.026	3.63	12.4	8.0	0.66	312	9.85	1.35	2.2	8.6	480
I077871		>50	2.81	0.95	0.3	0.225	0.10	3.7	0.6	0.14	2330	6.97	0.02	1.1	11.7	310
I077872		49.0	4.93	0.79	0.2	0.293	0.12	19.2	1.3	0.12	4920	1.89	0.01	1.0	16.7	410
I077873		>50	6.45	1.05	0.1	0.364	0.09	10.8	0.8	0.12	5180	1.85	0.01	1.4	15.3	400
I077874		>50	4.47	1.05	0.2	0.344	0.13	11.6	1.1	0.14	5270	1.50	0.04	1.4	17.3	320
I077875		>50	7.87	1.11	0.3	0.516	0.24	16.8	1.8	0.14	4310	2.30	0.01	1.7	21.2	390

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 18- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10143566

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I077840		23.1	40.8	<0.002	0.42	40.2	1.6	3	0.9	135.5	0.10	0.66	2.2	0.031	0.39	2.1
I077841		5.8	9.2	0.002	0.10	12.45	0.8	3	0.4	33.0	<0.05	0.22	0.9	0.013	0.13	1.1
I077842		7.7	9.4	<0.002	0.14	17.90	0.9	11	1.1	48.8	<0.05	0.82	0.3	0.005	0.18	1.6
I077843		16.8	54.5	0.002	0.43	37.2	1.0	35	3.2	167.5	<0.05	3.60	0.4	0.006	0.28	1.5
I077844		17.3	126.5	0.003	0.40	53.6	0.6	19	2.0	153.0	<0.05	7.28	<0.2	0.006	0.34	1.1
I077845		5.5	1500	<0.002	0.03	0.73	7.0	1	1.1	57.2	0.19	<0.05	0.5	0.253	12.05	0.3
I077846		25.2	26.4	0.002	0.23	21.9	1.4	4	1.5	66.2	<0.05	1.72	0.3	0.006	0.27	0.8
I077847		15.2	22.9	<0.002	0.23	33.2	2.0	8	0.8	71.5	<0.05	0.75	1.2	0.007	0.61	3.3
I077848		1.2	1.6	<0.002	0.02	0.16	0.3	1	<0.2	43.3	<0.05	<0.05	<0.2	<0.005	<0.02	0.9
I077849		4.8	8.4	<0.002	0.09	2.65	1.2	2	0.7	63.8	0.05	0.08	0.2	0.017	0.09	0.3
I077850		4.3	8.3	<0.002	>10.0	3.12	0.9	2	0.6	87.8	0.07	0.18	0.3	0.037	0.12	0.3
I077851		3.4	4.4	<0.002	9.69	4.18	0.6	1	0.5	111.0	<0.05	0.15	<0.2	0.009	0.07	0.1
I077852		14.7	6.0	0.004	2.71	2.33	1.1	2	1.7	75.7	<0.05	0.13	<0.2	0.012	0.13	0.2
I077853		30.2	3.8	<0.002	3.34	1.37	1.4	2	1.5	88.5	<0.05	<0.05	<0.2	0.005	0.04	0.2
I077854		151.0	3.1	0.002	5.45	4.57	0.6	2	4.1	100.5	<0.05	0.10	<0.2	<0.005	0.08	0.3
I077855		111.0	3.3	<0.002	5.97	5.06	0.6	2	3.3	96.7	<0.05	0.10	<0.2	0.006	0.08	0.3
I077856		46.7	7.1	0.002	8.31	9.16	0.8	2	1.9	121.0	0.05	0.21	0.2	0.015	0.11	0.3
I077857		35.6	1.7	0.002	9.14	2.97	0.9	2	1.5	97.2	<0.05	0.14	0.2	<0.005	0.04	0.6
I077858		21.3	1.2	<0.002	4.54	0.88	1.3	2	1.0	98.6	<0.05	0.11	0.6	<0.005	0.03	0.8
I077859		34.7	3.0	<0.002	2.70	0.29	1.2	2	1.8	91.8	<0.05	<0.05	<0.2	0.007	0.03	0.1
I077860		32.1	2.1	0.002	8.51	1.66	0.7	2	0.9	122.0	<0.05	0.05	<0.2	<0.005	0.05	0.6
I077861		128.5	3.9	0.002	6.80	2.89	0.4	2	4.8	139.5	<0.05	0.06	0.2	<0.005	0.05	0.4
I077862		33.4	3.6	0.007	2.04	10.25	0.7	2	1.5	121.0	<0.05	0.23	<0.2	<0.005	0.16	0.3
I077863		1.5	1.6	<0.002	0.02	0.07	0.4	2	<0.2	40.2	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
I077864		0.9	2.3	<0.002	0.04	<0.05	0.5	2	<0.2	123.5	<0.05	<0.05	0.2	0.010	<0.02	0.1
I077865		7.9	18.5	<0.002	0.01	0.80	3.3	2	0.5	215	0.27	<0.05	1.0	0.136	0.10	0.4
I077866		11.1	19.6	<0.002	<0.01	0.73	2.7	2	0.3	87.2	0.21	<0.05	0.8	0.105	0.13	0.3
I077867		10.8	22.6	<0.002	<0.01	1.17	3.1	2	0.3	92.2	0.28	<0.05	0.8	0.131	0.12	0.3
I077868		369	16.8	<0.002	0.15	95.2	3.4	4	1.2	47.2	<0.05	0.81	0.9	0.034	0.32	8.7
I077869		1625	8.0	0.005	0.31	635	4.0	50	7.7	147.0	0.09	6.83	0.8	0.073	0.87	1.6
I077870		15.6	810	<0.002	0.01	1.14	8.2	2	1.3	59.3	0.21	<0.05	1.2	0.261	7.45	0.7
I077871		75.4	8.6	0.003	0.15	76.4	1.6	5	11.0	41.3	<0.05	0.96	0.4	0.017	0.31	2.8
I077872		95.7	10.3	0.003	0.12	16.85	3.0	4	4.0	32.9	<0.05	0.29	0.8	0.017	0.16	5.5
I077873		98.1	6.3	0.004	0.08	17.70	2.3	3	1.1	37.1	<0.05	0.84	0.8	0.012	0.12	5.9
I077874		126.5	7.5	0.002	0.09	7.02	2.5	2	1.4	43.4	<0.05	0.19	0.7	0.014	0.11	7.8
I077875		86.6	14.0	0.005	0.12	6.99	3.9	4	1.6	71.1	<0.05	0.33	1.0	0.015	0.25	9.1

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Finalized Date: 18- OCT- 2010
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Project: RAU

CERTIFICATE OF ANALYSIS VA10143566

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	As- OG62 As % 0.001
I077840		26	35.3	11.2	178	14.1	5.47
I077841		25	35.2	8.0	100	6.8	3.63
I077842		11	84.5	11.7	99	4.8	5.21
I077843		8	166.0	4.7	35	5.7	9.53
I077844		12	402	9.7	41	4.5	10.25
I077845		56	0.3	8.2	31	31.2	
I077846		15	45.0	16.2	146	5.0	7.08
I077847		18	39.1	17.1	339	7.4	7.17
I077848		2	0.8	0.9	16	<0.5	
I077849		16	1.4	8.8	49	6.1	1.240
I077850		11	23.2	6.2	30	7.5	
I077851		9	96.3	5.5	19	4.1	1.475
I077852		18	387	8.9	64	4.6	
I077853		10	2.2	8.6	176	3.2	
I077854		6	173.5	7.0	798	2.8	1.965
I077855		6	85.5	6.7	642	3.6	2.10
I077856		6	164.0	7.3	127	6.6	1.335
I077857		7	135.0	8.2	113	2.4	
I077858		8	2.5	9.1	125	1.9	
I077859		5	18.1	6.0	125	2.9	
I077860		4	152.0	6.0	176	2.3	
I077861		3	146.5	7.5	588	2.8	
I077862		4	670	18.4	222	3.2	
I077863		2	0.6	0.9	15	0.5	
I077864		2	0.4	3.8	7	3.2	
I077865		22	3.6	10.0	107	17.4	
I077866		20	1.5	8.9	73	12.8	
I077867		22	3.6	10.7	85	13.9	
I077868		24	41.2	12.8	982	12.3	5.48
I077869		14	352	1.1	25	47.3	17.10
I077870		57	1.0	11.6	27	54.4	
I077871		16	233	13.4	936	15.6	3.39
I077872		23	250	28.6	1290	8.0	3.43
I077873		28	274	23.0	1560	5.1	3.21
I077874		25	175.0	25.0	2080	6.0	2.75
I077875		28	470	30.0	1940	14.8	3.72

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To: **ATAC RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 18- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10143566

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
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Finalized Date: 20- OCT- 2010
Account: RCM

CERTIFICATE VA10143567

Project: RAU

P.O. No.: BATCH 95

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 5- OCT- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% < 2mm
LOG- 23	Pulp Login - Rcvd with Barcode
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
As- OG62	Ore Grade As - Four Acid	VARIABLE
ME- XRF05	Trace Level XRF Analysis	XRF
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 20- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10143567

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
I077876		2.20	0.12	1.03	1.26	>10000	670	0.94	46.1	0.88	6.77	34.1	7.5	20	0.32	41.1
I077877		3.68	0.11	0.60	0.68	>10000	550	0.54	126.0	0.37	4.03	21.9	6.5	16	0.10	31.7
I077878		2.88	2.08	2.01	3.76	>10000	890	2.32	389	0.43	7.53	37.6	5.5	31	3.31	83.5
I077879		7.82	<0.01	0.01	0.06	29	20	0.06	0.31	19.55	0.10	1.74	1.4	1	0.17	3.9
I077880		3.44	0.08	0.72	1.88	>10000	850	0.72	74.2	1.31	12.25	30.9	4.8	37	3.87	53.0
I077881		3.26	0.06	0.60	1.18	>10000	630	0.54	27.4	0.53	11.75	28.1	5.7	20	2.61	39.2
I077882		1.72	0.08	0.76	2.22	>10000	630	0.83	60.4	0.44	9.20	33.1	7.5	42	6.77	50.0
I077883		3.50	0.14	1.39	1.56	>10000	590	0.64	39.9	0.58	13.85	36.3	6.6	28	3.34	42.7
I077884		1.50	0.05	1.27	0.78	>10000	500	0.44	88.8	0.32	9.13	31.0	6.3	6	0.43	8.9
I077885		0.76	0.07	1.31	0.73	>10000	640	0.34	68.0	0.31	8.44	24.3	5.3	5	0.56	8.0
I077886		2.68	0.27	4.75	0.27	3410	350	0.19	395	22.9	4.43	18.60	1.7	2	0.43	7.2
I077887		2.68	0.36	2.75	0.28	5670	820	0.22	1525	22.6	8.64	19.45	2.5	1	0.20	7.1
I077888		0.66	0.09	1.57	0.32	6250	320	0.25	32.4	15.65	7.37	19.80	3.4	1	0.23	5.3
I077889		3.16	0.49	3.32	0.24	6130	600	0.18	195.0	22.0	6.60	16.50	2.6	5	0.19	8.4
I077890		0.60	0.64	2.90	0.70	7910	740	0.41	1215	21.1	5.88	19.10	4.3	4	0.26	12.0
I077891		0.86	0.80	8.33	1.14	>10000	570	0.77	>10000	12.60	7.73	25.4	6.9	10	0.68	43.2
I077892		2.06	0.26	0.58	1.92	3850	210	0.58	295	16.60	1.81	19.20	19.1	24	1.45	36.8
I077893		0.26	3.11	1.78	6.63	2020	380	1.36	4.27	2.18	1.12	36.2	51.5	651	5.59	1090
I077894		1.40	0.11	0.31	2.56	1280	310	0.66	55.9	18.95	0.11	19.45	19.5	34	2.01	29.4
I077895		3.82	0.08	0.16	1.56	394	320	0.39	17.05	30.6	0.07	26.2	9.8	29	1.18	7.3
I077896		7.46	0.04	0.06	0.59	444	130	0.14	16.70	34.0	0.14	12.20	2.3	11	0.43	3.5
I077897		9.06	0.14	0.25	1.04	1340	290	0.30	18.85	30.9	1.22	14.20	2.7	12	1.20	4.4
I077898		2.64	0.09	0.37	1.96	4280	220	0.73	29.2	19.95	1.79	17.25	6.6	27	4.02	14.0
I077899		7.64	<0.01	<0.01	0.06	17	10	0.05	0.38	21.2	0.07	1.26	1.6	1	0.15	2.5
I077900		8.04	0.01	0.18	1.03	543	80	0.53	208	20.2	0.61	13.35	3.0	16	8.40	5.5
I077901		8.88	<0.01	0.34	0.63	252	30	0.33	8.32	19.60	1.86	12.60	2.2	10	3.45	6.4
I077902		8.68	0.01	1.34	0.14	131	30	0.11	42.0	19.40	3.22	7.64	1.8	2	0.46	9.6
I077903		2.08	0.06	0.30	0.38	5390	110	0.32	3.69	15.90	2.96	19.05	4.0	5	0.95	63.9
I077904		2.10	0.33	1.36	0.98	>10000	220	0.55	56.9	0.76	10.90	87.8	6.5	23	0.44	344
I077905		1.92	0.50	1.94	2.19	>10000	600	0.76	67.8	1.15	6.87	50.2	8.8	20	2.19	264
I077906		3.16	0.31	1.58	0.48	>10000	200	0.22	87.3	7.55	3.96	19.10	6.2	6	0.47	113.0
I077907		7.42	0.40	0.50	2.35	7400	1130	0.79	32.6	9.86	0.84	7.01	2.6	9	1.39	45.8
I077908		6.08	0.19	0.41	0.24	4170	80	0.15	34.8	14.65	0.49	8.00	1.7	1	0.30	10.9
I077909		0.28	0.42	6.48	5.01	4.2	50	1.03	1.27	1.27	0.02	17.60	8.8	30	17.90	13.8
I077910		8.30	0.30	0.45	0.43	3800	110	0.16	115.0	9.56	0.21	8.65	1.3	2	0.55	5.4
I077911		6.24	7.53	3.21	1.12	>10000	160	0.23	440	4.58	0.32	15.45	2.5	5	0.66	13.0

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Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I077876		48.8	7.06	0.70	0.2	0.540	0.21	13.5	2.4	0.10	3650	2.31	0.02	1.2	22.1	410
I077877		>50	5.29	0.70	0.1	0.433	0.08	8.2	1.1	0.11	5660	1.40	0.01	0.8	21.9	230
I077878		41.0	9.86	0.86	2.0	0.354	0.68	18.0	14.6	0.30	2970	2.77	0.03	4.3	102.5	590
I077879		0.49	0.36	0.23	<0.1	<0.005	0.02	0.9	0.9	12.25	206	0.89	0.01	0.3	2.2	180
I077880		41.5	9.29	0.65	0.5	0.492	0.53	16.1	3.9	0.17	2600	1.50	<0.01	3.0	22.0	680
I077881		49.5	6.64	0.71	0.2	0.304	0.25	16.1	2.0	0.13	4790	1.25	<0.01	1.9	19.7	420
I077882		44.1	9.14	0.70	0.5	0.323	0.65	18.5	6.0	0.21	3640	1.79	0.02	3.3	36.0	480
I077883		49.3	6.93	0.75	0.3	0.393	0.38	23.4	3.6	0.16	3950	1.86	<0.01	2.0	28.1	470
I077884		>50	2.70	0.74	0.2	0.216	0.09	17.9	1.1	0.15	6100	1.58	<0.01	1.5	23.2	250
I077885		>50	2.46	0.74	0.2	0.183	0.10	15.0	1.0	0.14	5460	1.30	<0.01	1.4	19.6	230
I077886		8.84	1.98	0.09	0.2	0.164	0.07	8.9	1.7	6.89	7920	0.50	<0.01	1.0	3.6	260
I077887		14.35	1.41	0.20	0.1	0.143	0.03	8.0	1.0	2.89	9990	1.19	<0.01	0.8	5.9	270
I077888		20.7	1.04	0.29	0.1	0.121	0.02	7.3	1.3	4.49	7960	0.80	<0.01	0.8	10.7	220
I077889		14.35	1.03	0.18	0.1	0.116	0.02	6.3	1.1	3.27	8970	1.00	<0.01	0.7	8.1	240
I077890		15.35	1.64	0.22	0.1	0.106	0.03	7.2	1.7	2.94	8640	1.65	<0.01	1.0	13.6	470
I077891		28.5	4.52	0.45	0.3	0.243	0.09	10.3	2.7	1.14	7830	1.20	<0.01	1.8	25.5	700
I077892		13.60	10.65	0.17	1.1	0.111	0.11	9.6	11.5	4.18	4610	0.99	0.01	6.3	34.2	760
I077893		8.81	18.45	0.13	6.0	0.127	1.32	16.9	30.5	2.46	856	6.88	0.81	4.0	514	400
I077894		7.25	14.55	0.08	1.6	0.053	0.29	9.9	10.3	4.23	3580	0.92	0.09	11.0	28.7	890
I077895		1.61	6.65	<0.05	1.0	0.040	0.62	18.3	4.1	0.60	1850	0.69	0.03	11.2	18.9	590
I077896		1.61	2.74	<0.05	0.3	0.101	0.22	9.7	1.3	0.50	1360	0.12	<0.01	4.2	3.4	270
I077897		1.81	4.68	<0.05	0.5	0.124	0.46	10.0	2.6	0.66	1990	0.11	<0.01	6.8	4.1	360
I077898		7.44	11.75	0.07	1.1	0.078	0.17	7.9	6.5	5.31	6520	0.66	0.01	7.3	21.3	700
I077899		0.49	0.27	0.08	<0.1	<0.005	0.02	0.6	1.1	12.50	241	0.06	<0.01	0.4	1.9	190
I077900		2.29	4.29	<0.05	0.6	0.046	0.54	9.1	4.9	10.00	2540	0.18	<0.01	6.0	6.9	370
I077901		1.73	3.67	<0.05	0.4	0.040	0.16	8.3	3.8	10.90	1680	0.19	<0.01	3.9	4.2	270
I077902		3.88	1.12	<0.05	0.1	0.083	0.03	3.6	2.5	10.60	3620	0.11	<0.01	0.8	1.9	70
I077903		12.70	1.72	0.16	0.1	0.063	0.09	8.3	2.8	8.97	1820	0.92	<0.01	0.8	11.6	190
I077904		>50	17.85	0.79	0.2	1.100	0.07	37.6	1.0	0.28	4300	3.08	<0.01	1.4	23.5	900
I077905		45.0	12.55	0.77	0.8	0.379	0.73	20.5	4.1	0.61	3220	1.25	0.02	3.4	27.0	730
I077906		30.4	3.27	0.45	0.1	0.188	0.08	8.6	1.5	4.19	2420	0.56	<0.01	1.2	16.2	400
I077907		18.80	12.20	0.30	1.9	0.096	1.01	4.5	7.0	6.06	1220	0.57	0.03	16.8	7.4	250
I077908		13.65	1.56	0.21	0.1	0.083	0.07	4.9	2.0	8.59	1740	0.46	0.01	1.2	1.9	160
I077909		2.03	15.70	<0.05	1.5	0.022	3.43	11.9	8.5	0.59	288	9.35	1.25	2.2	8.3	450
I077910		15.65	2.86	0.24	0.1	0.169	0.18	4.1	1.8	5.42	2210	0.93	0.01	1.1	1.4	200
I077911		28.9	4.88	0.48	0.4	0.194	0.26	10.4	2.7	1.99	1840	1.22	0.23	1.8	5.0	290

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	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I077876		96.6	7.0	<0.002	0.20	4.28	4.8	3	0.8	87.1	<0.05	0.23	0.9	0.011	0.13	7.9
I077877		100.5	3.5	0.002	0.08	5.28	4.0	2	0.6	28.1	<0.05	0.21	0.6	0.005	0.08	5.4
I077878		562	24.1	0.009	0.04	126.5	7.6	2	2.2	27.3	0.30	0.43	4.1	0.123	1.75	7.0
I077879		3.1	1.2	0.003	0.01	0.07	0.3	<1	<0.2	38.0	<0.05	<0.05	<0.2	<0.005	<0.02	0.8
I077880		114.0	25.6	0.002	0.06	18.40	6.5	3	1.1	48.2	0.12	0.84	3.1	0.083	0.45	4.7
I077881		49.1	13.6	0.002	0.04	9.92	3.6	3	0.5	22.8	0.05	0.35	1.5	0.035	0.42	3.6
I077882		176.5	29.6	0.003	0.05	22.1	6.1	2	1.6	33.8	0.14	0.24	2.4	0.103	0.67	3.5
I077883		88.5	19.6	0.002	0.05	14.80	5.2	3	0.7	45.3	0.06	0.32	1.8	0.048	0.50	3.4
I077884		77.7	6.4	0.002	0.02	6.89	2.2	2	0.7	11.0	<0.05	0.18	0.5	0.013	0.33	2.5
I077885		66.3	6.9	<0.002	0.03	4.63	1.9	2	0.5	11.6	<0.05	0.19	0.6	0.012	0.25	2.2
I077886		173.5	9.8	<0.002	0.03	3.90	1.4	3	2.1	88.1	<0.05	0.31	<0.2	0.015	0.15	0.9
I077887		191.0	2.9	<0.002	0.03	23.8	1.3	3	0.6	61.7	<0.05	0.91	<0.2	0.006	0.20	1.9
I077888		134.0	1.9	<0.002	0.02	2.85	1.3	3	0.6	85.7	<0.05	0.05	0.2	<0.005	0.12	1.9
I077889		207	1.7	<0.002	0.02	4.96	1.4	3	0.5	70.8	<0.05	0.18	<0.2	0.005	0.15	1.7
I077890		269	2.4	<0.002	0.03	18.05	1.9	4	0.8	68.7	<0.05	0.82	0.2	0.012	0.19	1.9
I077891		386	7.7	<0.002	0.07	212	4.8	8	1.7	33.4	0.07	11.20	0.7	0.032	0.27	4.0
I077892		18.9	13.1	<0.002	0.02	3.65	4.7	2	2.8	34.0	0.30	0.30	2.4	0.155	0.67	2.7
I077893		253	76.4	0.003	1.54	198.5	22.6	3	3.0	136.5	0.33	1.43	5.3	0.233	1.01	1.7
I077894		5.5	27.3	<0.002	0.01	1.54	6.6	2	4.1	60.2	0.54	0.18	2.8	0.239	0.76	2.7
I077895		3.1	37.4	<0.002	0.01	1.76	4.4	3	2.2	157.5	0.53	0.13	1.8	0.226	0.19	1.4
I077896		2.8	13.0	<0.002	<0.01	0.46	1.9	3	1.0	185.0	0.19	<0.05	0.6	0.083	0.09	0.7
I077897		37.3	32.3	<0.002	0.03	0.96	3.2	2	1.4	150.5	0.32	<0.05	1.1	0.137	0.31	0.8
I077898		28.5	34.0	<0.002	0.07	4.33	4.4	3	3.3	61.2	0.36	0.08	3.4	0.182	0.60	2.2
I077899		1.3	1.3	<0.002	0.02	<0.05	0.3	2	<0.2	43.0	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
I077900		23.3	72.5	<0.002	0.05	3.66	2.9	2	1.5	77.3	0.30	0.11	1.1	0.124	0.64	1.8
I077901		55.3	32.8	<0.002	0.10	1.38	2.0	2	1.8	59.7	0.19	<0.05	0.7	0.084	0.48	0.9
I077902		70.5	4.0	<0.002	1.09	1.03	1.2	2	0.7	76.6	<0.05	<0.05	<0.2	0.013	0.20	0.2
I077903		31.2	14.2	<0.002	0.02	8.00	1.2	3	1.7	51.4	<0.05	<0.05	0.3	0.010	0.14	1.4
I077904		259	10.0	0.002	0.07	71.3	5.7	9	2.6	50.2	<0.05	0.35	6.3	0.010	0.38	5.6
I077905		79.0	64.7	<0.002	0.12	25.2	2.8	6	11.7	47.7	0.15	0.15	4.3	0.035	0.58	5.6
I077906		30.7	8.8	<0.002	0.06	8.23	1.5	4	1.3	23.0	<0.05	0.08	1.7	0.008	0.11	2.6
I077907		19.6	63.2	<0.002	0.04	2.31	1.7	2	13.9	30.1	0.98	0.09	3.3	0.090	0.36	2.0
I077908		8.1	8.5	<0.002	0.04	1.93	1.0	2	1.0	44.6	0.06	0.06	0.4	0.011	0.08	0.6
I077909		13.3	770	<0.002	0.01	0.70	7.3	1	1.1	59.0	0.21	<0.05	1.3	0.245	6.37	0.6
I077910		10.1	16.5	0.009	0.03	14.65	1.4	3	1.5	56.0	0.05	0.15	0.2	0.015	0.19	0.6
I077911		79.6	20.4	0.009	0.06	36.0	2.8	4	2.5	49.7	0.08	0.35	0.7	0.049	0.32	2.5

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Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	As- OG62 As % 0.001	ME- XRF05 Bi ppm 4	ME- XRF05 W ppm 10
I077876		30	45.5	25.2	1840	7.2	3.86		
I077877		27	42.9	23.1	1760	4.8	1.955		
I077878		160	1230	22.6	3710	66.6	1.645		
I077879		2	0.4	0.8	20	<0.5			
I077880		43	178.0	18.6	1660	13.7	4.48		
I077881		23	81.0	23.4	2090	5.2	2.33		
I077882		39	115.0	21.0	2400	13.0	1.835		
I077883		28	81.5	31.1	2610	7.8	2.21		
I077884		11	60.2	30.4	2530	4.1	1.310		
I077885		9	44.1	27.3	2210	2.5	1.260		
I077886		9	2.8	23.1	816	3.5			
I077887		9	14.9	27.2	1420	1.7			
I077888		8	62.9	29.0	1960	0.8			
I077889		9	18.0	27.7	1300	0.7			
I077890		12	25.6	33.7	1990	3.3			
I077891		22	78.8	44.2	2970	7.6	1.060	>10000	70
I077892		45	53.7	22.2	411	43.7			
I077893		153	42.4	15.1	392	260			
I077894		53	10.5	18.6	149	64.9			
I077895		34	4.1	19.4	39	41.0			
I077896		19	2.7	11.0	51	12.7			
I077897		31	3.9	13.9	165	21.3			
I077898		57	8.3	22.7	610	40.6			
I077899		4	0.2	0.9	17	<0.5			
I077900		29	3.9	12.0	211	23.5			
I077901		22	3.8	8.3	435	14.9			
I077902		8	1.1	10.9	501	2.0			
I077903		8	9.5	11.8	780	2.1			
I077904		22	92.2	29.2	2880	6.0	2.27		
I077905		29	22.4	19.2	1460	24.5	2.10		
I077906		11	9.5	12.2	722	2.4	1.260		
I077907		24	14.3	6.0	93	62.2			
I077908		7	41.2	8.3	71	5.3			
I077909		52	0.4	11.3	26	50.0			
I077910		13	620	11.7	48	6.5			
I077911		24	650	10.8	109	15.9	1.130		

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 20- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10143567

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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CERTIFICATE VA10143568

Project: RAU

P.O. No.: BATCH 96

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 5- OCT- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% < 2mm
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- QC	Crushing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
As- OG62	Ore Grade As - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS VA10143568

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
I077912		3.32	10.70	5.06	1.41	>10000	230	0.26	451	1.27	0.52	24.5	3.4	19	0.67	13.2
I077913		3.74	4.58	20.6	0.50	>10000	180	0.16	2610	0.33	0.13	13.05	0.9	3	0.52	7.1
I077914		4.54	1.46	5.97	0.27	3240	100	0.09	816	0.18	0.17	9.76	0.6	3	0.35	4.1
I077915		7.02	0.01	0.04	0.06	49	20	0.07	4.52	21.1	0.07	1.46	1.1	3	0.17	1.9
I077916		2.98	0.95	3.56	0.26	5460	190	0.28	144.0	11.45	1.30	9.96	0.8	1	0.35	3.8
I077917		3.58	0.48	0.92	0.14	3710	150	0.19	95.3	15.90	0.90	8.15	1.1	1	0.24	2.0
I077918		7.94	2.28	26.9	0.26	>10000	180	0.11	698	3.27	0.87	5.26	0.9	6	0.37	4.3
I077919		5.66	0.46	0.90	0.11	4060	50	0.12	86.0	12.00	1.16	9.40	0.7	2	0.23	3.0
I077920		7.18	0.50	0.67	0.22	4290	60	0.09	216	5.68	0.25	11.95	0.6	2	0.26	3.5
I077921		0.26	3.02	1.66	6.85	1995	370	1.21	2.73	2.13	1.16	37.1	51.2	631	5.35	1130
I077922		6.62	0.53	0.59	0.23	>10000	30	0.12	645	3.47	0.18	6.85	0.6	3	0.33	4.0
I077923		2.28	0.79	1.57	0.53	>10000	50	0.23	391	0.52	0.47	16.20	1.1	3	0.70	5.1
I077924		6.92	0.28	1.81	0.26	>10000	60	0.21	55.5	2.53	1.07	7.77	1.3	1	0.28	4.1
I077925		4.88	1.12	2.01	0.12	>10000	40	0.10	128.5	0.46	1.29	5.65	1.0	1	0.11	6.1
I077926		7.46	0.03	0.34	0.07	1860	220	0.12	1.75	18.95	1.55	6.40	0.8	1	0.09	1.8
I077927		9.84	0.02	0.14	0.07	436	20	0.12	1.14	20.5	0.83	3.93	0.6	<1	0.17	1.0
I077928		5.08	0.01	0.21	0.07	411	10	0.12	1.49	21.1	0.75	3.79	0.7	1	0.16	1.0
I077929		3.52	0.09	0.56	0.09	2470	20	0.14	20.0	18.70	1.85	5.60	0.9	1	0.19	1.5
I077930		0.76	1.88	8.08	0.28	>10000	30	0.19	743	0.91	3.44	7.05	1.0	1	0.24	7.2
I077931		0.36	4.48	7.97	0.50	>10000	90	0.25	825	1.21	3.15	8.69	2.0	3	0.39	7.4
I077932		2.20	1.43	1.44	0.19	>10000	40	0.16	89.8	10.55	0.83	9.13	0.9	1	0.23	5.7
I077933		2.48	0.80	3.88	0.40	>10000	70	0.34	95.0	6.11	5.32	20.7	1.2	1	0.21	11.3
I077934		1.54	5.54	25.5	0.26	>10000	60	0.14	547	4.24	1.32	67.0	0.6	1	0.62	7.0
I077935		0.28	8.53	22.7	5.42	22.8	30	1.56	1.17	1.45	0.04	6.86	8.9	41	61.3	20.2
I077936		11.20	0.50	1.45	0.20	9570	30	0.06	42.6	13.80	0.54	13.60	1.0	2	0.24	3.3
I077937		11.92	0.38	0.83	0.07	4590	20	0.05	66.8	15.75	0.55	11.85	0.7	<1	0.21	2.9
I077938		11.18	0.17	1.93	0.13	3350	30	0.08	32.1	16.75	1.56	11.10	0.9	6	0.22	4.1
I077939		11.34	0.35	2.92	0.11	3610	10	0.07	112.5	16.10	2.33	17.65	1.0	<1	0.18	5.0
I077940		7.12	<0.01	0.02	0.07	22	10	0.05	0.39	21.5	0.09	1.57	1.5	1	0.21	16.4
I077941		9.76	0.10	2.44	0.05	3660	10	0.07	108.0	17.60	2.24	17.50	1.0	<1	0.17	5.2
I077942		4.02	0.04	1.91	0.55	>10000	100	0.29	26.8	3.80	9.15	23.0	3.3	1	0.64	4.4
I077943		3.90	1.07	1.56	0.44	>10000	860	0.16	32.3	13.40	7.15	14.15	2.7	1	0.76	11.2
I077944		9.04	1.18	0.29	0.12	155	40	0.05	324	29.4	0.45	6.62	1.6	1	0.37	11.7
I077945		3.08	0.01	0.12	0.37	87	100	0.12	0.62	35.8	0.19	8.29	2.0	10	0.21	2.7
I077946		4.78	0.01	0.05	0.31	24	110	0.10	0.71	37.3	0.19	6.58	1.3	7	0.45	4.8
I077947		4.68	0.04	1.98	1.10	861	370	0.29	65.6	30.8	2.12	15.75	7.4	27	1.81	61.5

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CERTIFICATE OF ANALYSIS VA10143568

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I077912		26.5	4.72	0.36	0.6	0.133	0.27	16.5	3.0	0.55	1440	0.95	0.35	2.2	12.8	330
I077913		28.8	3.21	0.37	0.6	0.124	0.23	8.7	1.3	0.10	1060	0.90	0.03	1.3	3.3	210
I077914		11.35	1.87	0.10	0.2	0.039	0.11	6.8	1.1	0.07	305	0.27	0.03	0.7	2.1	70
I077915		0.57	0.22	<0.05	<0.1	0.007	0.03	0.7	1.0	12.55	230	0.08	0.03	0.3	3.5	180
I077916		22.7	1.74	0.29	0.2	0.178	0.10	6.1	2.1	6.52	2410	0.61	0.03	1.1	3.1	140
I077917		14.40	0.92	0.16	0.1	0.093	0.05	5.0	2.1	8.60	2020	0.26	0.03	0.7	3.2	130
I077918		26.1	1.94	0.34	0.3	0.118	0.12	2.6	1.6	1.59	1460	2.09	0.03	1.3	3.2	190
I077919		15.25	0.80	0.15	0.1	0.107	0.05	4.0	1.4	6.42	2920	0.26	0.03	0.4	4.6	100
I077920		25.4	1.68	0.30	0.1	0.158	0.10	4.6	0.9	2.81	3600	0.26	0.03	0.6	1.8	210
I077921		8.92	16.70	0.13	6.6	0.147	1.40	18.7	26.0	2.44	835	6.86	0.87	3.5	507	390
I077922		38.1	1.74	0.52	0.1	0.116	0.08	3.0	1.0	1.76	1720	0.45	0.03	0.8	2.7	220
I077923		47.0	3.83	1.06	0.3	0.195	0.19	7.8	1.4	0.26	2700	0.41	0.03	1.2	4.3	330
I077924		49.1	2.08	0.77	0.2	0.302	0.08	4.3	0.9	1.22	3670	0.36	0.03	1.0	6.3	260
I077925		>50	1.08	0.83	0.1	0.209	0.03	2.6	0.5	0.17	2730	0.36	0.03	0.9	5.3	200
I077926		6.67	0.37	0.09	<0.1	0.089	0.01	4.1	1.9	11.15	1580	0.06	0.01	0.4	2.1	100
I077927		1.80	0.41	0.05	<0.1	0.062	0.03	2.8	2.4	12.00	948	0.06	0.01	0.4	1.3	80
I077928		1.75	0.41	0.05	<0.1	0.062	0.03	2.7	2.6	12.45	941	<0.05	0.01	0.4	1.7	80
I077929		9.30	0.48	0.12	0.1	0.101	0.02	3.4	2.3	10.70	1640	0.05	0.01	0.5	2.0	90
I077930		>50	2.08	0.79	0.2	0.252	0.08	3.7	1.2	0.34	2010	0.18	0.01	1.0	4.5	230
I077931		42.4	2.99	0.73	0.2	0.217	0.17	4.4	3.5	0.24	2440	0.15	0.05	1.4	6.6	190
I077932		25.9	1.45	0.42	0.1	0.195	0.09	4.2	1.7	5.76	4350	0.09	0.01	0.7	3.1	250
I077933		35.9	1.98	0.58	0.1	0.422	0.09	10.8	1.5	3.01	2890	0.08	0.11	0.9	4.5	240
I077934		41.3	2.24	0.68	0.1	0.197	0.13	49.2	1.5	0.99	2430	0.11	0.02	0.8	2.1	330
I077935		2.25	16.05	0.08	0.9	0.024	3.78	2.8	26.4	0.66	333	16.00	1.23	2.1	15.6	680
I077936		15.95	1.14	0.25	0.1	0.130	0.05	6.9	1.7	7.09	4170	0.06	0.02	0.6	2.5	150
I077937		13.45	0.65	0.17	<0.1	0.104	0.02	5.7	1.8	8.66	4660	0.06	0.01	0.4	1.4	140
I077938		11.25	0.81	0.15	0.1	0.184	0.03	5.0	2.2	9.27	4610	0.07	0.03	0.4	1.4	150
I077939		13.50	0.86	0.20	0.1	0.197	0.04	9.3	1.9	8.84	4890	0.09	0.01	0.5	2.2	150
I077940		0.52	0.36	0.18	<0.1	0.006	0.02	0.8	1.1	12.75	235	0.81	0.01	0.2	0.8	180
I077941		11.60	0.51	0.18	<0.1	0.284	0.01	8.5	2.0	9.75	5740	0.13	0.01	0.2	2.0	90
I077942		43.4	2.09	0.69	0.1	0.211	0.16	12.3	1.8	1.57	16500	0.57	0.02	1.0	13.4	260
I077943		23.4	2.23	0.36	0.1	0.266	0.13	8.2	1.8	2.17	21000	1.43	0.06	1.0	15.6	260
I077944		2.90	0.80	0.07	0.1	0.092	0.04	3.8	1.7	3.70	4000	0.08	0.01	0.4	2.0	130
I077945		0.68	0.82	0.07	0.2	0.011	0.16	5.4	1.5	0.98	280	0.23	0.02	1.9	3.0	70
I077946		0.59	0.85	0.06	0.1	0.007	0.15	5.6	1.7	0.70	197	0.28	0.03	1.5	1.0	100
I077947		8.03	2.82	0.14	0.4	0.042	0.36	10.2	5.4	0.72	1020	1.07	0.03	3.9	24.2	350

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CERTIFICATE OF ANALYSIS VA10143568

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I077912		97.8	13.6	0.016	0.06	34.2	3.6	5	3.2	55.1	0.12	0.30	1.4	0.074	0.68	2.8
I077913		801	16.2	0.041	0.15	249	0.7	9	15.7	10.8	0.06	1.20	0.5	0.030	0.94	2.1
I077914		202	9.0	0.015	0.04	50.4	0.3	5	7.9	3.6	<0.05	0.47	0.3	0.014	0.29	0.6
I077915		3.1	1.3	<0.002	0.01	0.50	0.3	1	<0.2	42.5	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
I077916		99.8	11.7	0.010	0.05	10.55	0.9	4	5.9	23.0	0.05	0.13	0.3	0.013	0.34	2.3
I077917		44.6	5.9	0.005	0.03	3.34	0.8	2	2.4	33.7	<0.05	0.11	0.2	0.008	0.14	1.2
I077918		1520	9.5	0.020	0.20	27.8	0.7	7	4.6	32.7	0.06	0.35	0.3	0.016	0.52	1.8
I077919		45.1	4.8	0.006	0.03	3.48	1.0	2	1.7	48.5	<0.05	0.08	<0.2	<0.005	0.14	0.7
I077920		19.0	6.9	0.008	0.06	13.60	1.1	3	0.6	45.3	<0.05	0.12	<0.2	0.007	0.17	0.9
I077921		238	73.8	0.004	1.51	191.0	22.7	2	2.9	135.0	0.36	1.51	5.1	0.246	1.00	1.7
I077922		22.5	10.7	0.005	0.08	46.8	0.8	5	0.6	25.3	<0.05	0.33	<0.2	0.009	0.15	1.1
I077923		55.4	30.6	0.003	0.09	12.80	1.4	6	1.3	17.3	<0.05	0.27	0.3	0.023	0.38	1.3
I077924		79.5	12.6	0.003	0.07	2.26	1.4	3	3.8	24.0	<0.05	0.08	0.3	0.011	0.29	1.3
I077925		277	3.4	0.003	0.09	4.37	1.6	4	1.4	14.4	<0.05	0.20	0.2	0.005	0.16	1.3
I077926		46.9	1.3	<0.002	0.04	0.38	0.7	1	1.1	38.4	<0.05	<0.05	0.2	0.006	0.02	0.4
I077927		19.3	3.9	<0.002	0.05	0.18	0.3	2	2.5	35.0	<0.05	<0.05	<0.2	0.007	0.03	0.1
I077928		24.2	3.8	<0.002	0.06	0.17	0.3	1	2.5	35.9	<0.05	<0.05	<0.2	0.007	0.02	0.1
I077929		64.5	2.9	0.002	0.06	0.89	0.6	2	1.6	42.1	<0.05	<0.05	<0.2	0.007	0.04	0.3
I077930		852	11.8	0.002	0.10	22.6	0.7	6	10.8	16.9	<0.05	0.38	0.3	0.014	0.13	1.8
I077931		500	17.6	0.003	0.15	51.7	1.1	6	11.8	55.2	0.05	0.57	0.4	0.025	0.33	1.6
I077932		19.5	6.4	0.002	0.08	7.44	0.7	2	2.4	61.8	<0.05	0.09	<0.2	0.008	0.19	1.0
I077933		100.0	8.3	<0.002	0.06	6.02	1.8	3	5.6	48.6	<0.05	0.08	0.5	0.014	0.27	2.0
I077934		2290	9.4	0.005	3.76	14.85	0.7	9	9.2	52.0	<0.05	0.62	0.6	0.010	0.31	2.5
I077935		7.2	1700	<0.002	0.03	0.83	8.3	1	1.1	63.4	0.29	<0.05	0.7	0.276	15.30	0.3
I077936		21.5	4.6	<0.002	>10.0	2.62	0.8	3	1.3	111.5	<0.05	0.11	0.3	0.012	0.09	1.4
I077937		22.7	2.6	0.002	>10.0	2.46	0.4	2	1.1	122.0	<0.05	0.05	0.2	0.005	0.07	0.5
I077938		87.3	2.8	0.002	7.12	1.94	0.5	2	2.8	131.0	<0.05	<0.05	<0.2	0.006	0.04	0.2
I077939		139.0	3.5	<0.002	9.66	4.92	0.5	2	7.4	126.0	<0.05	0.05	0.3	0.007	0.06	0.3
I077940		2.0	1.6	<0.002	0.03	0.05	0.4	2	<0.2	43.6	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
I077941		145.5	1.1	0.003	4.34	4.43	0.3	2	0.9	129.0	<0.05	0.05	<0.2	<0.005	0.06	0.3
I077942		166.5	8.1	0.002	0.25	2.98	1.1	2	1.2	46.8	<0.05	<0.05	0.5	0.020	1.03	1.6
I077943		42.7	7.1	0.003	0.19	1.86	1.1	2	1.7	72.6	<0.05	<0.05	0.4	0.019	0.98	0.9
I077944		24.8	3.4	<0.002	1.27	6.64	0.5	3	2.3	143.0	<0.05	0.13	<0.2	0.008	0.06	0.3
I077945		2.7	4.2	<0.002	0.01	0.28	1.5	3	<0.2	193.5	0.10	<0.05	0.5	0.036	0.08	0.3
I077946		1.9	9.8	<0.002	0.06	0.30	1.1	2	<0.2	130.5	0.07	<0.05	0.3	0.032	0.07	0.1
I077947		50.8	17.0	<0.002	0.02	3.09	3.3	2	0.9	104.0	0.20	0.16	1.3	0.099	0.40	0.7

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ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 20- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10143568

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	As- OG62
	Analyte	V	W	Y	Zn	Zr	As
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
I077912		32	1620	9.9	99	23.7	1.115
I077913		17	5380	6.8	159	21.6	0.955
I077914		11	2420	2.2	63	8.9	
I077915		3	22.0	0.9	16	0.6	
I077916		13	850	9.6	336	6.6	
I077917		9	460	6.6	181	3.9	
I077918		14	2160	4.9	307	10.8	1.370
I077919		9	540	10.4	207	2.2	
I077920		10	790	16.0	69	3.3	
I077921		157	40.3	14.2	381	267	
I077922		11	261	9.2	64	4.7	1.060
I077923		18	236	17.6	163	11.5	1.275
I077924		17	175.5	9.4	496	8.1	1.580
I077925		15	108.0	7.2	772	3.2	1.390
I077926		5	5.4	6.4	299	1.7	
I077927		4	1.9	2.8	205	1.6	
I077928		5	0.9	2.9	188	1.7	
I077929		9	107.5	4.8	426	2.2	
I077930		15	183.5	7.1	1110	8.0	1.945
I077931		20	211	7.0	665	10.9	3.70
I077932		9	48.5	9.9	174	3.6	2.24
I077933		9	48.3	14.2	576	5.0	3.18
I077934		12	398	6.9	430	6.2	3.43
I077935		59	0.5	8.8	31	35.3	
I077936		7	73.0	6.6	141	2.9	
I077937		4	138.0	6.9	140	2.0	
I077938		4	84.0	7.3	407	2.6	
I077939		4	68.6	7.1	628	2.5	
I077940		3	0.3	1.1	20	<0.5	
I077941		3	345	9.7	633	1.1	
I077942		7	199.5	30.5	1660	5.4	3.57
I077943		7	171.5	17.8	2910	5.6	2.07
I077944		2	17.0	8.9	114	2.7	
I077945		7	0.6	7.5	22	6.5	
I077946		6	0.4	5.3	11	4.4	
I077947		21	7.2	11.4	459	15.7	

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Finalized Date: 20- OCT- 2010
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Project: RAU

CERTIFICATE OF ANALYSIS VA10143568

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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Finalized Date: 19- OCT- 2010
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CERTIFICATE VA10143569

Project: RAU

P.O. No.: BATCH 97

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 5- OCT- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% < 2mm
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
As- OG62	Ore Grade As - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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1016- 510 W HASTINGS ST
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CERTIFICATE OF ANALYSIS VA10143569

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
I077948		2.40	0.09	2.08	4.17	1030	1450	0.86	113.5	14.05	2.58	48.3	15.5	55	5.14	48.2
I077949		4.86	0.08	0.55	1.52	609	380	0.55	49.7	21.5	1.71	14.85	6.7	34	2.93	15.8
I077950		1.76	0.05	<0.01	5.11	156	910	0.92	3.63	15.40	0.18	48.7	2.0	44	17.00	22.0
I077951		7.26	0.21	0.27	7.60	1460	1940	2.33	24.4	0.35	0.46	159.0	0.8	84	21.7	16.2
I077952		7.24	<0.01	0.01	0.08	11	<10	0.09	0.10	21.2	0.07	1.46	1.2	<1	0.20	3.1
I077953		7.26	0.32	0.03	8.04	2110	1870	2.26	17.55	0.23	0.54	118.5	0.8	83	16.00	9.8
I077954		1.20	0.03	0.85	1.68	923	360	0.38	14.25	27.1	0.73	15.60	4.7	29	2.48	42.8
I077955		18.02	0.72	2.95	1.13	>10000	430	0.44	278	0.66	5.64	20.1	2.7	22	1.36	57.1
I077956		15.26	0.87	0.41	1.27	>10000	520	0.43	349	0.47	0.48	14.35	2.9	16	2.29	88.6
I077957		8.26	0.40	0.87	0.19	5540	200	0.08	127.0	0.18	0.24	3.94	1.1	11	0.39	18.8
I077958		3.60	0.40	1.21	0.21	6430	220	0.09	118.0	0.22	0.29	4.20	1.2	10	0.43	27.0
I077959		4.78	0.36	1.13	0.82	>10000	530	0.33	139.5	0.39	1.00	13.45	4.6	17	1.26	54.0
I077960		17.78	0.85	0.62	1.27	9220	770	0.46	117.5	0.40	2.24	16.45	3.4	20	2.98	49.3
I077961		6.20	1.93	0.59	1.31	>10000	710	0.54	125.0	0.44	1.73	17.35	5.4	18	1.97	63.8
I077962		7.28	2.16	0.66	2.38	>10000	410	0.78	135.0	0.53	0.98	36.5	6.0	41	2.15	35.4
I077963		6.24	1.62	0.50	5.94	>10000	630	1.84	49.5	0.49	0.64	98.9	3.8	71	9.98	33.1
I077964		0.26	2.98	1.70	6.84	2030	330	1.31	3.11	2.10	1.13	35.1	49.7	641	5.20	1150
I077965		9.04	1.08	0.64	2.94	6080	1350	0.88	48.2	0.28	0.29	38.9	2.1	37	4.40	28.1
I077966		6.22	1.00	0.60	6.58	4880	1970	1.70	29.5	0.62	0.22	86.7	3.7	108	8.89	31.8
I077967		17.52	1.20	0.48	4.45	8120	2560	1.03	214	0.44	0.57	68.8	5.1	70	8.04	33.5
I077968		9.82	1.27	0.77	4.18	>10000	2740	1.04	259	0.51	0.65	56.3	3.8	70	5.37	31.3
I077969		5.54	1.40	1.81	3.47	>10000	380	0.94	289	0.42	0.99	48.5	3.2	59	4.37	31.3
I077970		0.28	1.49	0.62	4.72	75.4	70	1.14	1.47	0.95	0.13	13.55	22.5	155	23.0	458
I077971		9.18	3.03	5.47	3.40	>10000	290	0.92	457	0.35	0.67	66.2	1.4	57	3.31	15.3
I077972		6.92	3.03	8.00	4.00	>10000	1220	0.87	773	0.34	1.15	58.5	1.3	52	3.07	13.1
I077973		8.22	14.15	14.15	0.55	3550	3020	0.15	365	0.12	0.48	105.5	6.4	16	0.30	14.7
I077974		7.56	0.01	0.02	0.06	23	250	0.07	0.97	21.0	0.08	1.38	1.3	<1	0.15	9.8
I077975		9.02	4.86	14.50	1.47	>10000	2590	0.40	1380	0.43	3.07	95.8	5.9	22	2.14	48.0
I077976		7.16	0.88	2.73	2.09	>10000	500	0.51	177.0	0.41	4.76	23.9	5.7	27	1.23	62.3
I077977		6.32	2.11	4.49	1.70	>10000	>10000	0.51	831	0.59	7.70	50.0	5.9	31	0.96	99.5
I077978		4.12	2.42	5.52	0.83	>10000	710	0.19	570	0.65	7.05	46.9	3.5	14	0.66	71.5
I077979		6.90	1.53	2.72	0.64	>10000	620	0.35	197.0	0.71	11.00	37.8	4.1	10	0.07	82.0
I077980		6.30	0.56	4.12	1.14	>10000	1010	0.49	744	0.79	12.55	27.7	5.5	16	0.80	78.2
I077981		5.34	0.31	2.95	0.99	>10000	820	0.37	119.0	0.73	12.25	31.1	29.7	13	0.55	395
I077982		17.88	0.28	2.89	4.67	>10000	890	1.04	177.0	1.58	8.62	76.6	24.9	79	2.10	556
I077983		7.04	1.47	8.24	3.33	>10000	930	1.20	891	0.63	4.39	64.8	25.1	36	2.02	523

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 19- OCT- 2010
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Project: RAU

CERTIFICATE OF ANALYSIS VA10143569

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I077948		12.20	12.30	0.24	1.6	0.061	1.56	32.0	17.6	1.42	956	1.84	0.06	26.9	43.9	1050
I077949		8.73	7.00	0.14	0.7	0.039	0.41	11.4	8.5	1.49	1120	1.26	0.02	6.0	25.5	630
I077950		3.78	17.15	0.08	1.4	0.037	3.20	32.9	26.7	3.68	157	0.43	0.05	41.5	0.6	760
I077951		10.25	26.6	0.27	2.6	0.152	4.21	92.8	53.7	3.97	141	0.73	0.10	45.5	3.6	2210
I077952		0.48	0.24	<0.05	<0.1	0.005	0.03	0.8	1.2	12.60	220	0.08	0.01	0.3	3.2	200
I077953		9.37	36.4	0.27	3.7	0.130	4.11	67.4	52.8	3.59	121	0.61	0.10	46.4	3.2	2150
I077954		4.03	4.68	<0.05	0.5	0.025	0.54	10.5	9.9	1.64	340	2.76	0.02	6.2	12.7	530
I077955		22.9	10.15	0.44	0.9	0.127	0.23	12.4	3.2	3.98	513	1.80	0.05	4.2	9.5	1220
I077956		21.3	6.15	0.38	0.6	0.058	0.40	7.8	8.3	1.20	755	2.12	0.04	2.2	11.4	870
I077957		7.77	1.19	0.05	0.1	0.028	0.04	2.0	1.1	1.13	344	0.73	0.02	0.5	3.7	280
I077958		8.99	1.19	0.08	0.1	0.033	0.04	2.1	1.2	0.90	371	0.84	0.02	0.4	4.4	330
I077959		19.35	6.59	0.29	0.5	0.070	0.32	7.3	5.1	1.56	735	1.32	0.04	1.6	14.7	810
I077960		17.20	13.65	0.29	1.0	0.071	0.65	8.4	8.5	2.74	585	1.19	0.05	4.8	12.9	1180
I077961		18.50	8.65	0.31	0.7	0.069	0.41	8.9	8.8	3.83	568	1.10	0.04	4.5	22.8	1270
I077962		18.55	21.4	0.35	2.1	0.100	1.07	20.8	11.6	3.86	547	1.30	0.10	15.2	20.8	2010
I077963		17.65	33.6	0.39	3.4	0.074	3.80	62.3	28.3	2.81	334	1.45	0.10	24.2	13.0	1410
I077964		8.77	17.90	0.18	7.0	0.143	1.38	20.6	28.8	2.44	826	6.77	0.89	3.7	524	400
I077965		9.40	13.15	0.14	1.3	0.042	1.63	21.7	15.8	2.40	241	0.74	0.06	25.2	9.1	830
I077966		9.53	26.5	0.23	3.5	0.064	3.18	50.2	36.7	4.52	273	0.80	0.12	52.9	15.8	1410
I077967		23.1	18.75	0.48	1.2	0.108	2.10	41.0	24.5	2.45	478	2.00	0.08	14.4	24.8	1100
I077968		25.0	18.75	0.51	1.3	0.150	1.72	35.1	20.0	2.01	410	1.77	0.08	13.3	19.8	1030
I077969		29.7	18.30	0.58	1.2	0.175	1.91	27.4	18.7	1.14	384	2.55	0.06	8.6	15.8	1030
I077970		1.96	13.50	<0.05	1.5	0.046	3.48	8.8	7.6	0.36	284	4.67	1.16	2.4	446	450
I077971		17.30	18.85	0.32	1.4	0.094	2.30	39.8	20.4	1.01	233	1.43	0.08	16.4	5.2	860
I077972		19.30	17.10	0.38	1.5	0.112	2.10	39.7	12.8	0.60	244	2.09	0.07	15.2	5.4	710
I077973		10.00	3.67	0.20	0.9	0.025	0.07	76.0	1.5	0.16	217	0.67	0.05	7.1	4.6	130
I077974		0.49	0.27	<0.05	<0.1	0.005	0.02	0.8	1.0	12.45	216	0.06	0.01	0.3	<0.2	200
I077975		36.6	10.05	0.85	0.6	0.410	0.49	64.9	2.8	0.15	1020	1.77	0.03	3.1	14.6	480
I077976		45.0	10.10	0.94	1.2	0.367	0.78	13.2	2.7	0.19	2130	4.70	0.02	5.2	13.4	550
I077977		45.6	12.40	0.94	0.8	0.683	0.51	29.2	2.1	0.13	1570	5.26	0.11	2.8	15.7	850
I077978		>50	6.62	0.62	0.4	0.506	0.16	25.6	1.2	0.11	2490	6.80	0.01	1.0	9.7	740
I077979		>50	5.28	1.07	0.2	0.516	0.04	15.8	1.5	0.08	4290	4.09	0.01	1.0	11.9	740
I077980		48.0	8.95	1.09	0.5	0.397	0.35	11.8	1.7	0.11	4180	4.66	0.02	1.7	17.8	760
I077981		49.4	4.96	1.13	0.3	0.302	0.25	14.7	1.1	0.10	2410	3.08	0.01	1.5	61.4	900
I077982		27.2	12.80	0.66	1.7	0.219	2.11	38.9	6.2	0.59	2310	5.97	0.03	6.7	58.5	940
I077983		34.6	12.35	0.85	1.6	0.233	1.19	32.2	9.1	0.72	6390	4.23	0.02	5.2	60.2	1240

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 19- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10143569

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I077948		70.8	61.0	<0.002	0.01	5.82	7.4	2	2.5	52.1	1.56	0.25	6.9	0.330	0.69	1.7
I077949		28.9	31.3	<0.002	0.01	3.90	4.4	2	1.9	38.2	0.31	0.23	1.5	0.135	0.55	1.0
I077950		2.4	162.5	0.003	0.91	0.71	9.3	4	4.2	105.0	2.37	0.05	7.0	0.513	1.54	0.7
I077951		3.5	242	0.002	2.14	1.87	11.0	10	9.8	242	2.71	0.21	13.0	0.609	2.99	2.1
I077952		1.5	1.9	<0.002	0.02	<0.05	0.2	2	<0.2	40.2	<0.05	<0.05	<0.2	<0.005	<0.02	0.7
I077953		3.4	217	<0.002	2.05	2.48	14.2	9	10.2	224	2.66	0.16	12.7	0.554	2.57	2.8
I077954		8.9	31.3	<0.002	0.23	1.91	4.1	2	0.9	172.5	0.32	0.06	1.9	0.093	0.41	1.1
I077955		20.6	20.8	0.005	0.35	14.80	3.0	10	1.6	66.4	0.21	0.39	3.4	0.065	0.95	6.7
I077956		11.6	42.5	0.009	0.54	15.85	2.0	20	1.3	137.5	0.10	0.37	1.4	0.037	0.78	4.1
I077957		5.4	3.8	0.004	0.07	10.20	0.6	3	0.4	40.2	<0.05	0.16	0.3	0.006	0.19	2.0
I077958		5.5	4.1	0.005	0.07	11.90	0.7	3	0.4	40.5	<0.05	0.16	0.3	0.006	0.23	2.2
I077959		8.1	31.6	0.005	0.57	15.20	1.4	4	1.1	80.0	0.07	0.22	1.5	0.032	0.64	2.6
I077960		10.0	50.2	0.006	1.07	9.31	2.6	5	1.6	192.5	0.26	0.19	3.5	0.075	1.21	3.3
I077961		6.8	39.9	0.005	0.74	11.50	3.6	4	1.5	147.0	0.22	0.22	2.7	0.067	0.96	5.1
I077962		15.0	77.8	0.006	1.50	18.75	4.0	4	3.6	413	0.87	0.27	5.6	0.170	1.28	8.0
I077963		6.3	167.5	0.003	2.26	11.55	10.9	5	7.5	323	1.21	0.18	12.6	0.305	1.90	6.4
I077964		242	82.5	0.004	1.58	199.5	22.3	2	3.1	141.0	0.36	1.59	5.7	0.242	0.99	1.8
I077965		5.2	80.0	0.003	0.92	8.63	4.4	4	3.9	211	1.51	0.14	5.3	0.236	0.76	3.2
I077966		7.1	154.0	0.004	1.30	8.51	11.5	6	9.0	193.0	3.07	0.20	11.6	0.598	1.35	3.3
I077967		20.7	108.0	0.008	0.80	9.86	8.5	7	4.5	92.7	0.76	0.36	8.3	0.189	1.16	3.8
I077968		38.0	91.1	0.005	0.86	19.25	8.1	12	5.3	118.5	0.68	0.52	7.8	0.204	1.05	3.5
I077969		58.5	92.5	0.004	1.61	21.0	6.5	9	4.9	271	0.43	0.67	5.9	0.133	1.43	3.0
I077970		166.0	930	<0.002	0.30	2.47	3.0	1	3.2	49.9	1.89	0.20	1.9	0.081	7.89	0.7
I077971		318	110.0	0.006	2.29	33.3	5.4	8	6.0	431	0.90	0.99	6.8	0.208	1.85	1.9
I077972		280	86.0	0.008	0.99	39.7	5.4	7	7.2	325	0.81	1.35	6.3	0.212	1.39	2.2
I077973		296	3.7	0.003	0.13	14.20	0.6	9	1.9	37.7	0.34	0.46	1.4	0.101	0.18	2.0
I077974		2.1	1.4	<0.002	0.02	0.10	0.3	2	<0.2	49.4	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
I077975		531	26.1	0.005	0.14	31.8	3.9	17	19.3	30.2	0.14	1.04	2.6	0.071	0.44	4.6
I077976		205	39.2	0.004	0.06	5.98	5.0	5	4.0	10.9	0.23	0.34	2.5	0.068	0.39	6.2
I077977		415	25.2	<0.002	0.50	16.95	5.7	6	3.9	96.6	0.11	0.67	3.1	0.040	0.35	5.9
I077978		176.0	11.2	0.012	0.08	9.62	3.4	8	2.8	18.1	<0.05	0.52	1.3	0.018	0.43	5.2
I077979		218	1.9	0.005	0.06	6.99	4.3	5	4.4	18.9	<0.05	0.38	1.5	0.006	0.51	5.5
I077980		272	15.7	0.004	0.05	15.60	4.0	3	2.4	21.1	0.05	0.66	2.0	0.031	0.90	5.7
I077981		153.5	8.6	<0.002	0.06	13.45	3.1	4	1.4	19.5	<0.05	0.29	1.9	0.021	0.56	4.8
I077982		95.9	43.0	0.003	0.11	12.85	11.3	3	1.9	27.8	0.28	0.28	7.2	0.146	0.84	5.6
I077983		199.5	35.4	0.008	0.11	28.7	7.9	5	4.1	31.2	0.22	1.14	5.1	0.118	0.85	6.8

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 19- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10143569

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	As- OG62 As % 0.001
I077948		62	9.1	22.5	458	65.9	
I077949		28	11.2	12.6	199	32.2	
I077950		61	6.2	7.7	18	60.7	
I077951		109	15.3	17.1	52	115.5	
I077952		3	0.2	0.9	17	<0.5	
I077953		116	14.5	16.3	47	176.5	
I077954		20	9.1	7.6	81	22.8	
I077955		33	411	11.3	185	37.5	1.460
I077956		18	670	9.8	53	23.9	1.150
I077957		8	284	2.3	36	3.0	
I077958		10	387	2.7	43	2.9	
I077959		21	306	9.6	88	21.0	1.135
I077960		28	373	9.2	139	38.6	
I077961		26	212	12.0	273	29.4	0.975
I077962		50	288	17.5	385	79.5	1.280
I077963		91	104.0	18.9	244	160.5	1.000
I077964		155	42.2	15.2	387	281	
I077965		44	239	9.5	111	55.8	
I077966		93	55.5	17.5	126	157.5	
I077967		60	570	13.9	178	49.3	
I077968		66	321	14.1	221	55.4	1.050
I077969		54	262	13.7	335	54.4	1.260
I077970		20	8.8	3.7	136	60.0	
I077971		59	430	6.0	88	57.3	1.225
I077972		61	550	5.7	125	61.9	1.195
I077973		18	226	2.2	73	37.8	
I077974		2	1.0	0.8	17	0.6	
I077975		36	272	10.0	1260	29.8	1.670
I077976		39	241	17.6	1540	47.7	1.645
I077977		41	160.0	17.9	2150	32.6	2.52
I077978		24	1300	21.6	1070	16.0	2.42
I077979		22	292	21.0	1320	5.0	2.90
I077980		29	187.0	20.9	1800	19.0	3.22
I077981		23	42.7	20.2	1820	12.9	3.13
I077982		71	85.9	28.2	1410	69.5	1.740
I077983		49	449	35.9	1300	61.6	1.055

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 19- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10143569

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 20- OCT- 2010
Account: RCM

CERTIFICATE VA10144150

Project: RAU

P.O. No.: BATCH 98

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 5- OCT- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- 31	Fine crushing - 70% < 2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
As- OG62	Ore Grade As - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
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Finalized Date: 20- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10144150

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
I077984		9.66	0.01	0.04	0.16	51	50	0.06	0.10	34.2	0.14	5.59	3.4	5	0.07	76.5
I077985		8.68	<0.01	0.05	0.39	19	80	0.10	0.36	33.8	0.11	7.27	2.6	6	0.15	79.2
I077986		7.58	0.04	0.11	0.13	316	40	0.10	704	19.80	0.09	30.2	2.1	1	0.27	27.5
I077987		1.34	0.12	0.24	0.45	2800	60	0.35	1220	0.31	0.18	14.25	3.6	12	0.25	8.7
I077988		4.66	0.36	1.77	0.82	>10000	80	0.46	2520	0.50	0.66	22.1	2.8	9	1.13	7.4
I077989		7.68	<0.01	0.01	0.06	36	20	0.06	5.99	21.2	0.07	1.49	1.3	<1	0.16	2.3
I077990		6.92	0.19	1.00	0.64	6660	70	0.26	1240	0.37	0.56	19.05	4.0	16	0.64	9.7
I077991		4.28	0.49	0.46	0.46	8410	20	0.25	587	1.16	0.24	28.4	18.7	2	0.07	10.1
I077992		6.86	0.13	0.31	0.25	1630	<10	0.11	135.0	11.40	0.12	10.60	3.1	7	0.35	9.4
I077993		13.48	0.01	0.05	0.15	225	<10	0.08	9.77	20.2	0.09	9.16	1.1	2	0.34	3.7
I077994		10.46	0.04	0.13	0.18	2440	<10	0.08	22.7	17.15	0.25	9.96	2.0	5	0.65	7.2
I077995		5.58	0.21	0.22	0.23	643	<10	0.09	20.3	17.15	0.23	10.30	2.0	1	0.53	6.1
I077996		10.64	0.05	1.23	0.06	1080	<10	0.06	103.0	14.60	1.50	9.60	4.6	4	0.23	7.7
I077997		12.04	0.02	0.31	0.04	312	<10	0.10	18.10	19.70	1.73	5.89	1.6	<1	0.20	39.9
I077998		6.24	<0.01	0.14	0.04	309	<10	0.07	13.55	19.75	0.89	6.17	1.7	1	0.23	19.4
I077999		17.14	<0.01	0.07	0.12	204	<10	0.12	3.81	20.3	0.66	6.02	1.4	1	0.23	8.4
I078000		12.68	0.25	10.95	0.10	2040	<10	0.06	755	9.49	1.54	6.51	30.8	9	0.22	71.9
I078001		10.92	0.06	1.86	0.21	1740	<10	0.08	118.5	14.90	2.29	9.86	21.9	1	0.32	55.7
I078002		11.80	0.16	0.56	0.05	2390	<10	0.06	640	10.55	0.56	7.08	4.8	7	0.21	6.4
I078003		0.26	2.99	1.78	6.52	1935	310	1.30	3.21	2.01	1.16	36.7	44.6	616	5.43	1100
I078004		12.22	0.08	3.04	0.11	1250	<10	0.08	285	13.35	0.74	10.55	4.8	<1	0.47	8.1
I078005		8.64	0.04	0.64	0.25	1460	<10	0.13	274	12.40	1.02	18.50	5.2	8	0.48	6.0
I078006		9.78	0.06	0.72	0.12	823	<10	0.05	85.9	15.60	1.06	11.10	5.3	<1	0.35	7.1
I078007		10.32	0.03	0.72	0.10	596	<10	0.05	76.9	17.60	1.74	14.20	3.9	1	0.41	5.2
I078008		1.52	3.09	19.90	4.81	>10000	1950	1.27	794	0.90	8.64	111.0	51.5	65	2.25	1240
I078009		2.52	0.15	0.30	1.22	6000	220	0.67	955	0.66	0.46	30.2	5.6	15	1.13	16.3
I078010		8.54	0.01	0.15	0.40	79	90	0.12	2.67	35.5	0.27	5.83	2.6	7	0.77	6.2
I078011		6.82	<0.01	0.20	0.64	102	150	0.20	5.65	35.6	0.50	7.79	4.5	14	1.55	8.4
I078012		7.38	<0.01	0.10	0.27	54	70	0.12	0.83	37.7	0.23	4.96	1.7	4	0.50	3.4
I078013		7.82	<0.01	0.01	0.08	10	<10	0.08	0.52	21.0	0.07	1.46	1.2	<1	0.48	2.4
I078014		6.80	0.01	0.14	0.24	77	80	0.14	0.93	37.6	0.23	4.28	1.6	4	0.58	3.0
I078015		7.98	<0.01	0.12	0.29	45	220	0.08	0.45	34.2	0.25	5.13	1.6	9	0.31	4.7
I078016		4.80	0.01	0.15	0.15	53	180	0.08	0.36	34.2	0.27	4.28	1.0	4	0.17	2.6
I078017		1.80	0.13	2.76	0.68	984	310	0.34	203	23.2	2.39	18.40	4.7	16	2.16	9.5
I078018		7.96	0.09	0.90	2.44	2140	750	1.26	350	2.20	2.75	38.4	10.4	40	4.37	20.0
I078019		0.28	1.46	0.52	4.64	82.8	80	1.09	1.55	0.96	0.15	15.35	22.4	148	26.6	433

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Finalized Date: 20- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10144150

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I077984		0.50	0.38	0.05	0.1	<0.005	0.06	4.9	0.5	1.37	385	0.28	0.01	1.3	2.2	120
I077985		0.51	0.86	0.08	0.2	0.009	0.18	5.7	0.9	1.61	390	0.14	0.01	2.2	2.4	150
I077986		6.00	1.31	0.18	0.1	0.116	0.06	15.1	2.0	9.37	8380	0.38	0.01	0.6	<0.2	220
I077987		>50	4.25	1.01	0.5	0.204	0.10	6.2	1.4	0.20	2730	0.69	0.01	1.6	7.0	680
I077988		48.9	4.32	0.92	0.8	0.142	0.19	8.6	1.9	0.24	2190	1.19	0.02	2.3	6.6	850
I077989		0.71	0.27	0.07	<0.1	0.005	0.02	0.7	1.0	12.50	233	0.39	0.01	0.3	<0.2	200
I077990		>50	4.71	1.06	0.5	0.186	0.14	8.2	1.6	0.65	3220	0.84	0.01	2.0	14.0	560
I077991		44.7	2.85	1.03	0.3	0.181	0.02	12.6	1.2	2.70	3360	0.36	0.03	1.4	16.3	270
I077992		17.80	1.87	0.40	0.2	0.067	0.02	4.7	1.8	7.80	4880	0.67	0.02	1.0	4.1	280
I077993		4.03	1.09	0.13	0.1	0.043	0.01	4.3	2.1	11.30	2870	0.12	0.02	0.8	<0.2	260
I077994		9.20	1.32	0.21	0.1	0.058	0.02	3.8	1.8	9.69	3590	0.17	0.02	0.8	0.4	170
I077995		8.05	1.47	0.18	0.2	0.061	0.03	3.9	1.9	9.52	3370	0.08	0.02	1.0	<0.2	220
I077996		12.65	0.75	0.30	<0.1	0.086	0.01	3.7	1.5	8.51	2970	0.17	0.01	0.4	4.8	90
I077997		3.52	0.39	0.11	<0.1	0.089	<0.01	2.9	2.2	11.25	1670	0.10	0.01	0.3	<0.2	90
I077998		4.76	0.39	0.14	<0.1	0.035	<0.01	3.2	2.4	11.35	1560	0.12	0.01	0.2	0.5	50
I077999		2.42	0.77	0.08	0.1	0.021	0.01	3.3	2.3	11.85	1300	0.11	0.02	0.6	<0.2	90
I078000		22.9	0.80	0.53	0.1	0.227	0.01	2.6	1.2	5.61	1540	0.23	0.01	0.7	42.4	140
I078001		11.65	1.03	0.30	0.1	0.154	0.02	3.9	1.9	8.72	2590	0.18	0.06	0.5	29.2	150
I078002		19.75	0.50	0.53	<0.1	0.055	0.01	2.8	1.4	6.53	1830	0.21	0.01	0.4	9.5	40
I078003		8.35	16.65	0.22	6.2	0.132	1.33	19.0	26.5	2.33	791	6.79	0.85	3.3	493	380
I078004		13.55	0.92	0.32	0.1	0.136	0.03	4.3	1.9	8.08	3440	0.15	0.01	0.6	6.5	140
I078005		13.35	1.78	0.31	0.2	0.085	0.05	8.3	1.9	7.52	4320	0.33	0.02	0.9	11.4	140
I078006		11.25	1.03	0.29	0.1	0.115	0.01	4.3	1.8	8.74	4040	0.15	0.02	0.4	6.9	90
I078007		8.55	1.02	0.23	0.1	0.108	0.01	6.2	2.3	9.45	4970	0.11	0.02	0.3	0.3	100
I078008		25.8	13.05	0.67	2.3	0.299	2.04	61.3	7.5	0.79	5370	7.82	0.04	5.8	118.0	1730
I078009		45.9	8.53	1.06	0.7	0.265	0.19	13.7	7.3	0.80	5260	2.18	0.01	2.5	11.4	970
I078010		0.60	0.98	0.06	0.2	0.009	0.14	5.0	1.8	0.25	277	0.18	0.01	1.7	2.5	90
I078011		1.06	1.57	0.07	0.2	0.017	0.22	5.5	3.5	0.33	471	0.28	0.01	2.4	10.8	150
I078012		0.38	0.69	0.07	0.1	0.007	0.10	4.2	1.0	0.24	180	0.08	<0.01	1.1	<0.2	70
I078013		0.49	0.35	0.09	<0.1	0.005	0.03	0.7	1.2	12.40	227	0.07	0.01	0.3	<0.2	220
I078014		0.44	0.55	<0.05	0.1	0.006	0.09	3.8	1.0	0.25	243	0.08	<0.01	1.0	3.4	90
I078015		0.44	0.86	<0.05	0.1	0.006	0.12	4.1	1.2	0.23	220	0.13	0.01	1.5	3.2	80
I078016		0.34	0.49	<0.05	0.1	<0.005	0.06	3.6	0.6	0.20	195	0.09	0.01	1.1	<0.2	70
I078017		12.20	2.51	0.24	0.3	0.047	0.16	10.9	3.5	1.66	1520	1.70	0.01	3.7	14.0	470
I078018		39.1	9.91	0.75	1.3	0.096	0.47	19.3	16.0	2.08	2300	4.83	0.03	8.2	38.7	1110
I078019		1.92	12.90	0.13	1.5	0.046	3.40	8.2	8.5	0.36	275	4.63	1.17	2.5	433	430

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 20- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10144150

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I077984		1.7	1.3	<0.002	0.02	0.12	0.7	2	<0.2	139.0	<0.05	<0.05	0.4	0.015	0.03	0.3
I077985		1.4	4.0	<0.002	0.06	0.08	1.2	2	0.3	142.5	<0.05	<0.05	0.5	0.037	0.03	0.4
I077986		5.7	2.8	0.003	0.05	15.35	0.8	2	0.5	167.0	<0.05	0.43	0.2	0.008	0.07	0.6
I077987		52.2	4.8	0.006	0.10	14.05	1.2	2	2.0	8.9	0.06	1.14	0.8	0.047	0.25	5.3
I077988		78.5	20.6	0.038	0.11	47.8	2.0	7	2.4	18.0	0.10	2.35	1.2	0.054	0.70	4.5
I077989		1.4	1.2	<0.002	0.01	0.14	0.3	2	<0.2	41.0	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
I077990		39.6	11.1	0.014	0.10	22.4	2.0	6	1.6	13.5	0.06	1.15	1.1	0.035	0.46	4.6
I077991		13.0	1.1	0.002	0.09	9.54	2.4	7	0.7	17.4	<0.05	0.81	0.5	0.015	0.12	2.0
I077992		8.2	1.9	0.002	2.58	2.97	1.8	5	0.7	72.8	<0.05	0.18	0.3	0.014	0.10	0.7
I077993		3.7	1.4	<0.002	1.64	0.45	1.1	2	0.5	97.6	<0.05	<0.05	0.2	0.011	0.05	0.2
I077994		7.5	3.7	0.003	3.97	1.35	1.4	3	0.6	99.6	<0.05	0.08	0.3	0.013	0.08	0.5
I077995		11.3	4.1	0.002	3.57	0.82	1.3	3	0.8	97.1	0.05	0.05	0.2	0.018	0.07	0.4
I077996		127.0	0.8	0.003	8.09	2.91	1.0	4	0.4	77.1	<0.05	0.18	<0.2	<0.005	0.07	0.5
I077997		76.6	0.5	<0.002	2.05	2.27	0.5	3	0.3	53.5	<0.05	0.05	<0.2	<0.005	0.14	0.2
I077998		15.0	0.5	<0.002	3.60	1.28	0.7	3	0.2	53.1	<0.05	0.05	<0.2	<0.005	0.04	0.2
I077999		8.9	1.6	0.003	1.24	0.59	0.7	3	0.3	52.6	<0.05	<0.05	<0.2	0.009	0.04	0.1
I078000		330	0.8	0.005	>10.0	20.5	1.2	10	0.7	41.9	<0.05	0.97	0.3	0.008	0.08	5.1
I078001		130.0	1.4	0.004	>10.0	5.71	1.5	5	0.5	74.6	<0.05	0.34	1.0	0.010	0.12	3.0
I078002		22.0	0.6	0.011	>10.0	10.35	0.5	14	0.3	57.4	<0.05	0.89	<0.2	<0.005	0.13	0.2
I078003		229	66.5	0.003	1.53	193.0	21.9	2	3.2	133.0	0.35	1.61	5.6	0.226	0.93	1.7
I078004		48.4	3.5	0.002	>10.0	6.73	1.0	6	0.7	91.2	<0.05	0.27	<0.2	0.008	0.07	0.4
I078005		23.2	6.8	0.007	7.75	3.48	2.5	3	2.6	92.5	0.05	0.39	0.2	0.019	0.15	1.2
I078006		43.4	0.8	0.004	8.36	2.38	1.3	4	0.5	92.8	<0.05	0.16	<0.2	<0.005	0.05	0.4
I078007		64.6	1.4	<0.002	4.36	1.73	0.8	4	0.6	107.0	<0.05	0.12	<0.2	<0.005	0.02	0.2
I078008		528	52.3	0.006	0.19	46.3	10.2	7	6.3	48.7	0.25	1.07	7.8	0.148	1.26	7.1
I078009		25.3	10.1	0.006	0.09	13.90	3.4	3	3.2	19.9	0.11	1.01	2.4	0.060	0.36	5.7
I078010		14.0	8.3	<0.002	<0.01	0.46	1.2	2	0.3	134.0	0.08	<0.05	0.4	0.042	0.12	0.2
I078011		30.2	14.3	<0.002	<0.01	0.94	1.9	2	0.5	137.5	0.12	<0.05	0.6	0.065	0.25	0.2
I078012		6.0	5.1	<0.002	<0.01	0.27	1.0	3	0.2	145.0	0.05	<0.05	0.3	0.025	0.06	0.1
I078013		1.3	2.6	<0.002	0.01	0.05	0.3	2	<0.2	40.6	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
I078014		5.2	4.2	<0.002	0.02	0.24	0.7	2	0.2	147.0	0.05	<0.05	0.3	0.025	0.06	0.1
I078015		8.8	5.6	0.002	0.01	0.25	1.2	1	0.2	133.5	0.06	<0.05	0.4	0.031	0.06	0.1
I078016		2.9	2.5	<0.002	0.01	0.22	0.8	1	<0.2	133.0	<0.05	<0.05	0.2	0.016	0.03	0.1
I078017		16.2	14.3	0.002	0.02	6.82	2.3	2	0.6	32.2	0.16	0.38	1.0	0.055	0.49	0.7
I078018		42.3	40.1	0.009	0.02	12.85	5.9	3	2.2	9.2	0.47	0.78	4.3	0.140	0.98	3.3
I078019		158.5	890	0.002	0.29	2.49	3.4	1	3.0	49.6	2.00	0.15	2.0	0.077	8.04	0.7

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 20- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10144150

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	As- OG62 As % 0.001
I077984		4	0.4	5.3	27	3.9	
I077985		6	0.3	5.4	15	8.4	
I077986		6	206	18.0	36	4.0	
I077987		25	210	9.6	313	18.7	
I077988		24	2440	16.5	152	31.6	1.125
I077989		2	3.3	0.9	16	<0.5	
I077990		20	900	14.4	206	21.2	
I077991		17	93.0	17.1	120	12.5	
I077992		10	94.8	10.1	56	8.6	
I077993		11	34.0	6.1	24	4.4	
I077994		5	168.5	11.7	71	5.9	
I077995		6	125.0	12.1	79	6.7	
I077996		6	208	9.5	342	1.7	
I077997		6	26.1	5.0	278	1.4	
I077998		6	33.6	6.1	151	0.9	
I077999		11	192.5	5.3	94	2.9	
I078000		8	279	8.1	517	4.3	
I078001		12	255	10.6	410	3.7	
I078002		5	650	6.4	116	1.5	
I078003		148	40.0	13.3	371	249	
I078004		7	106.5	10.3	191	3.1	
I078005		10	337	13.9	152	5.7	
I078006		5	212	11.1	256	2.1	
I078007		4	13.7	10.6	288	2.3	
I078008		70	287	42.7	2520	89.4	1.445
I078009		27	354	21.5	203	29.7	
I078010		7	1.5	4.2	93	5.7	
I078011		10	3.3	5.3	189	8.3	
I078012		4	0.6	4.0	54	4.5	
I078013		3	0.4	0.9	16	0.7	
I078014		5	1.3	3.6	63	3.7	
I078015		5	0.5	3.9	42	5.3	
I078016		3	0.5	4.3	24	3.5	
I078017		17	17.8	16.4	152	11.6	
I078018		49	161.0	26.1	307	41.3	
I078019		19	8.5	3.7	128	54.8	

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 20- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10144150

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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1016- 510 W HASTINGS ST
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Finalized Date: 20- OCT- 2010
Account: RCM

CERTIFICATE VA10144151

Project: RAU

P.O. No.: BATCH 99

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 5- OCT- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% < 2mm
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
As- OG62	Ore Grade As - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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Finalized Date: 20- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10144151

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
I078020		8.98	0.07	1.36	1.81	1585	520	0.42	290	0.27	2.71	19.45	7.7	40	3.49	21.5
I078021		13.00	0.03	1.42	3.74	249	1160	0.78	6.38	17.35	2.55	32.8	13.5	64	6.56	31.8
I078022		9.98	0.02	0.69	0.87	81	300	0.28	1.86	27.8	0.47	13.15	2.5	17	1.82	3.4
I078023		7.90	0.26	0.78	2.19	1310	680	0.49	192.0	17.50	6.32	22.8	10.7	52	3.46	25.6
I078024		7.98	0.05	0.93	5.22	1085	1290	1.24	106.5	3.68	6.29	40.4	23.7	105	6.21	42.3
I078025		2.46	0.67	0.48	1.92	933	1460	0.41	417	19.60	2.64	25.4	9.0	29	3.49	23.7
I078026		7.66	0.07	0.30	0.53	203	260	0.23	6.10	24.5	1.24	7.84	3.1	8	1.20	5.3
I078027		9.92	0.04	0.17	0.39	375	130	0.22	5.27	23.4	0.47	7.68	2.3	7	0.52	3.3
I078028		4.58	0.03	0.19	0.31	286	130	0.17	4.24	23.3	0.62	7.49	2.1	6	0.47	2.8
I078029		4.02	0.11	0.62	0.75	1280	420	0.44	10.75	22.1	2.87	11.90	5.4	19	1.61	10.4
I078030		6.00	0.27	1.02	2.31	2280	1950	1.48	16.20	16.55	4.09	25.4	11.0	43	3.44	36.8
I078031		2.20	0.94	1.06	1.25	>10000	1220	0.22	372	1.59	8.06	18.40	5.8	33	2.30	18.2
I078032		0.28	0.33	6.37	5.28	0.6	70	1.14	1.23	1.34	0.03	18.95	8.8	29	19.85	14.1
I078033		4.72	6.81	2.26	1.24	>10000	2960	0.17	631	1.01	0.66	6.04	1.7	33	0.62	111.0
I078034		9.16	3.48	0.87	0.28	>10000	2200	<0.05	521	1.07	0.50	6.75	1.3	11	0.17	61.3
I078035		8.28	4.65	0.99	0.74	>10000	4190	0.16	213	1.20	1.50	13.60	3.2	18	1.02	35.5
I078036		2.52	0.16	0.83	0.79	>10000	1080	0.33	119.5	4.84	15.25	26.0	5.8	14	1.60	15.6
I078037		9.74	1.77	0.82	0.53	>10000	1890	0.16	205	1.29	7.39	24.7	4.4	13	1.07	11.8
I078038		7.90	<0.01	0.01	0.07	54	10	0.05	0.56	20.6	0.08	1.74	1.3	<1	0.15	6.2
I078039		10.34	3.62	0.75	0.30	>10000	2430	0.08	170.0	1.68	2.74	15.45	1.7	18	0.39	9.1
I078040		9.66	12.60	0.98	0.29	>10000	3660	0.05	2780	2.32	1.26	6.26	0.9	10	0.27	8.8
I078041		9.40	0.64	0.77	0.60	>10000	1590	0.17	317	1.15	2.33	18.20	2.6	15	0.54	16.5
I078042		9.50	0.81	1.43	1.15	>10000	1550	0.35	262	0.74	5.07	25.4	3.3	27	1.00	18.0
I078043		10.60	1.03	2.16	1.40	>10000	2270	1.12	276	0.54	7.16	22.4	9.2	40	2.42	13.0
I078044		10.52	0.48	1.88	0.54	>10000	2810	0.21	328	1.26	9.74	16.45	5.7	8	0.59	9.0
I078045		8.20	0.27	0.87	0.79	>10000	2490	0.45	44.4	1.29	9.33	24.7	4.8	11	0.68	20.3
I078046		0.26	2.67	1.76	6.58	1875	360	1.33	3.07	2.05	1.18	36.3	49.8	595	5.11	1070
I078047		7.84	0.82	1.49	2.18	>10000	1690	1.11	434	0.90	9.17	32.1	5.8	25	1.23	52.2
I078048		6.58	0.40	1.13	1.76	>10000	2260	0.98	45.3	0.81	10.30	52.2	3.8	27	0.36	55.6
I078049		7.00	0.27	0.62	1.49	>10000	1640	0.72	110.5	0.72	9.83	55.7	6.0	31	0.22	58.1
I078050		8.34	0.15	0.39	3.76	>10000	1560	1.59	19.35	2.62	7.80	38.2	6.0	35	0.66	57.2
I078051		7.84	<0.01	0.01	0.10	19	20	0.05	0.17	21.1	0.08	1.42	1.1	<1	0.77	1.7
I078052		7.44	0.20	0.46	3.15	>10000	1390	1.22	55.2	2.77	7.31	44.2	4.2	52	0.32	54.0
I078053		3.80	0.37	0.71	4.67	>10000	2870	1.40	109.5	1.04	8.74	36.1	5.6	82	0.72	94.0
I078054		8.88	0.06	0.23	2.20	1150	390	0.92	9.56	17.10	1.06	12.75	3.2	26	1.15	4.8
I078055		11.00	0.05	0.12	1.54	204	280	0.67	7.71	17.40	0.17	10.65	5.5	20	1.48	4.3

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 20- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10144151

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I078020		36.8	7.81	0.67	0.6	0.075	0.52	10.9	5.6	0.65	2340	6.27	0.03	3.4	33.6	700
I078021		4.61	10.25	0.08	1.3	0.062	1.27	20.2	21.0	1.61	1540	1.18	0.04	21.9	57.1	590
I078022		1.12	2.68	<0.05	0.4	0.018	0.40	8.1	6.6	3.03	573	0.25	0.01	6.0	6.6	190
I078023		14.85	9.16	0.28	0.8	0.067	0.72	13.5	11.9	1.20	2780	2.50	0.03	6.8	43.0	740
I078024		17.00	20.8	0.34	1.9	0.166	1.70	20.3	22.8	1.03	4070	2.37	0.09	10.3	103.0	1450
I078025		12.20	6.54	0.21	0.7	0.104	0.61	13.0	11.5	2.64	7390	2.18	0.04	4.9	35.1	560
I078026		1.69	2.30	0.05	0.4	0.018	0.09	5.8	4.0	7.52	1340	0.65	0.02	2.8	9.0	170
I078027		2.07	2.10	0.05	0.3	0.017	0.05	5.2	2.6	9.23	944	0.37	0.03	2.3	5.4	160
I078028		1.62	1.72	<0.05	0.2	0.012	0.04	5.1	2.4	9.27	960	0.45	0.02	1.8	4.6	130
I078029		6.55	3.06	0.11	0.3	0.040	0.18	7.7	3.8	1.35	1670	0.70	0.02	2.5	18.8	250
I078030		9.35	7.92	0.19	0.8	0.070	0.60	14.2	13.2	3.95	2270	1.08	0.06	6.0	50.6	570
I078031		45.3	4.72	0.93	0.5	0.152	0.36	10.4	3.7	0.42	2180	4.28	0.02	2.3	24.6	970
I078032		2.10	15.70	0.09	1.5	0.021	3.48	10.5	8.4	0.61	294	10.45	1.27	2.4	9.6	460
I078033		48.4	8.66	0.93	0.7	0.203	0.49	2.7	2.2	0.28	1160	5.62	0.05	1.8	10.1	440
I078034		>50	2.40	0.94	0.2	0.260	0.10	2.6	0.5	0.15	549	5.20	0.03	1.4	5.3	180
I078035		40.3	4.71	0.75	0.5	0.138	0.19	8.3	2.4	0.41	1260	3.70	0.05	1.9	13.8	370
I078036		31.0	4.67	0.57	0.4	0.210	0.08	13.4	3.2	2.16	3970	2.87	0.02	2.2	24.4	540
I078037		45.5	3.00	0.95	0.3	0.265	0.11	13.2	1.1	0.28	2410	4.13	0.03	1.5	15.1	560
I078038		0.50	0.29	0.15	<0.1	0.008	0.01	0.8	0.9	12.60	211	0.12	0.01	0.3	<0.2	180
I078039		48.3	1.94	0.87	0.2	0.182	0.08	7.1	0.6	0.14	1380	4.19	0.03	1.2	9.7	420
I078040		49.2	2.35	0.88	0.6	0.225	0.14	3.0	1.1	0.12	926	7.46	0.05	1.9	4.3	280
I078041		48.9	3.73	0.88	0.2	0.240	0.19	10.4	1.5	0.17	1660	5.16	0.02	1.4	11.8	430
I078042		48.1	7.65	0.94	0.5	0.242	0.34	11.8	2.0	0.20	1110	5.94	0.03	1.8	15.7	1000
I078043		49.5	8.16	0.80	0.9	0.425	0.46	12.2	6.0	0.39	2190	5.12	0.06	2.0	29.6	680
I078044		>50	2.88	0.88	0.4	0.154	0.08	7.9	0.7	0.17	1240	4.01	0.05	1.5	18.4	420
I078045		40.6	3.47	0.80	0.2	0.169	0.12	11.6	1.3	0.17	1280	1.53	0.03	1.3	14.0	300
I078046		8.75	17.15	0.21	6.6	0.133	1.36	17.6	29.7	2.40	782	6.90	0.85	3.8	483	380
I078047		38.3	9.20	0.96	0.7	0.190	0.39	14.2	3.6	0.22	1210	1.19	0.04	1.9	20.1	540
I078048		44.5	11.90	0.90	0.3	0.682	0.12	23.8	2.9	0.15	2530	2.06	0.04	1.2	13.8	480
I078049		46.5	12.60	0.89	0.3	0.495	0.13	27.2	2.1	0.19	2730	1.81	0.04	1.3	18.1	450
I078050		35.9	12.70	0.75	0.7	0.418	0.39	18.1	6.4	0.99	2140	1.09	0.05	2.6	22.7	690
I078051		0.51	0.35	0.16	<0.1	0.007	0.05	0.7	1.5	13.15	223	0.15	<0.01	0.3	0.9	190
I078052		37.3	19.00	0.46	1.1	0.631	0.28	19.1	3.3	1.27	2420	1.42	0.11	2.3	15.0	540
I078053		35.5	28.4	0.54	1.0	0.840	0.23	12.1	4.6	0.80	3700	1.51	0.21	1.6	20.2	620
I078054		5.62	14.65	0.13	1.2	0.064	0.90	6.0	7.5	9.96	2820	0.38	0.04	6.2	8.8	450
I078055		4.52	7.86	0.11	0.9	0.048	0.74	6.0	5.1	10.15	2280	0.40	0.01	6.6	13.5	330

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Project: RAU

CERTIFICATE OF ANALYSIS VA10144151

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I078020		90.6	47.6	0.003	0.02	6.92	4.2	2	2.6	8.5	0.15	0.53	1.9	0.094	0.87	3.0
I078021		89.1	58.2	0.002	0.01	2.89	8.9	1	2.3	48.2	1.25	0.07	5.1	0.318	1.00	1.2
I078022		4.7	17.0	<0.002	0.01	0.38	2.4	2	0.8	53.9	0.29	<0.05	1.3	0.092	0.19	0.6
I078023		96.3	42.7	<0.002	0.01	8.38	7.0	1	2.3	29.0	0.35	0.29	2.6	0.179	0.90	1.6
I078024		246	105.0	<0.002	0.01	9.25	15.4	2	5.1	15.2	0.56	0.58	6.0	0.316	1.55	2.8
I078025		80.9	46.1	<0.002	0.02	7.98	5.6	1	2.1	26.3	0.26	0.28	1.9	0.142	1.17	1.5
I078026		11.2	8.6	<0.002	<0.01	0.61	1.9	1	0.6	27.4	0.14	0.06	0.7	0.058	0.23	0.4
I078027		5.6	7.6	<0.002	0.01	0.78	1.6	1	0.7	35.0	0.11	0.06	0.5	0.055	0.15	0.4
I078028		5.0	5.9	0.002	0.01	0.63	1.4	1	0.6	33.7	0.09	0.05	0.4	0.039	0.12	0.3
I078029		43.0	13.1	<0.002	0.01	5.73	3.1	2	0.9	13.2	0.11	0.09	0.8	0.065	0.43	1.0
I078030		149.5	33.7	0.002	0.04	19.10	6.8	2	2.1	23.4	0.32	0.11	2.6	0.169	0.93	2.8
I078031		64.2	26.8	0.002	0.02	30.8	3.1	2	1.1	18.7	0.08	1.91	1.8	0.064	1.68	6.9
I078032		13.4	780	<0.002	0.01	0.65	7.4	2	1.1	58.3	0.27	<0.05	1.1	0.243	6.25	0.8
I078033		25.9	26.0	0.002	0.09	105.0	1.4	3	3.4	33.6	0.05	0.63	1.3	0.049	0.48	3.7
I078034		18.8	6.4	<0.002	0.08	52.5	1.2	2	0.7	21.0	<0.05	0.39	0.6	0.017	0.14	3.3
I078035		48.9	13.9	0.002	0.15	22.4	1.8	2	1.5	51.0	0.06	0.77	1.4	0.040	0.29	3.6
I078036		460	8.8	0.002	0.01	16.35	3.4	2	0.9	16.4	0.08	0.45	1.2	0.047	0.38	2.7
I078037		82.2	10.6	0.002	0.05	19.35	2.0	2	0.6	28.2	<0.05	0.59	0.7	0.018	0.25	3.8
I078038		2.2	1.6	<0.002	0.02	0.13	0.3	1	<0.2	44.8	<0.05	0.09	0.2	<0.005	<0.02	0.6
I078039		24.9	6.5	0.002	0.09	21.8	0.9	2	0.4	43.2	<0.05	0.41	0.4	0.010	0.14	3.1
I078040		59.1	8.4	0.006	0.24	133.5	1.0	6	3.0	179.0	0.05	4.15	0.5	0.030	0.37	5.8
I078041		44.5	11.7	0.003	0.13	25.0	2.0	2	0.7	34.6	<0.05	0.53	0.6	0.016	0.21	4.1
I078042		75.2	26.1	0.002	0.18	18.90	4.5	2	1.0	132.0	0.05	0.25	0.9	0.037	0.24	4.9
I078043		369	48.5	0.007	0.08	12.20	8.0	3	6.5	29.1	0.09	0.42	2.3	0.063	0.38	3.1
I078044		194.5	9.0	0.003	0.10	14.65	2.8	4	0.6	50.7	<0.05	0.43	0.6	0.019	0.19	3.8
I078045		31.9	8.5	<0.002	0.09	11.40	3.3	4	0.5	47.1	<0.05	0.14	0.6	0.016	0.23	3.6
I078046		232	77.6	0.003	1.48	186.0	23.9	2	3.0	134.5	0.36	1.31	5.9	0.229	1.05	1.8
I078047		82.5	25.1	0.002	0.11	10.65	5.2	5	2.3	79.5	0.06	0.46	3.9	0.044	0.30	4.5
I078048		37.9	6.2	0.003	0.15	4.58	9.4	3	0.6	179.5	<0.05	0.38	2.1	0.012	0.23	5.3
I078049		25.7	4.7	0.002	0.17	6.47	8.8	4	0.6	236	<0.05	0.45	2.3	0.012	0.25	4.6
I078050		18.6	16.6	<0.002	0.15	2.08	14.2	2	1.6	150.0	0.11	0.34	2.7	0.059	0.32	6.7
I078051		1.3	3.9	<0.002	0.01	0.47	0.3	1	<0.2	42.7	<0.05	<0.05	<0.2	<0.005	0.02	0.5
I078052		73.2	9.9	0.003	0.12	2.79	10.1	2	1.8	126.0	0.15	0.58	3.6	0.073	0.30	5.5
I078053		116.5	5.9	0.003	0.20	3.08	12.1	3	2.1	118.0	0.09	0.65	4.8	0.050	0.39	7.0
I078054		27.8	44.2	<0.002	0.01	0.86	3.6	1	6.0	82.7	0.37	0.11	0.6	0.168	0.22	1.1
I078055		5.9	43.1	<0.002	0.01	0.82	3.0	1	3.6	79.8	0.40	0.12	1.1	0.174	0.27	0.8

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Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	As- OG62 As % 0.001
I078020		42	45.3	24.6	483	26.4	
I078021		66	6.9	16.8	701	51.0	
I078022		18	1.4	7.3	53	18.6	
I078023		45	6.6	19.3	937	36.6	
I078024		97	12.7	26.7	1280	78.2	
I078025		35	24.7	25.1	464	29.5	
I078026		10	3.1	7.7	134	14.5	
I078027		10	4.1	6.3	69	13.0	
I078028		9	4.0	6.7	67	9.9	
I078029		16	33.8	10.1	612	16.6	
I078030		39	124.0	18.1	1610	33.7	
I078031		27	89.3	20.7	1480	20.6	3.34
I078032		52	0.4	11.1	26	55.4	
I078033		24	194.0	7.7	53	29.2	3.25
I078034		13	79.6	7.0	142	9.9	3.73
I078035		20	167.0	13.4	466	23.0	3.80
I078036		26	23.6	29.7	3180	18.1	1.780
I078037		21	71.1	34.5	1560	12.4	4.30
I078038		2	0.3	0.9	21	2.1	
I078039		11	69.5	26.3	445	8.0	5.26
I078040		13	412	5.1	281	23.7	6.64
I078041		23	77.1	24.8	608	11.0	3.80
I078042		32	45.4	25.6	935	23.2	2.69
I078043		35	51.6	22.0	2590	34.2	1.850
I078044		19	217	18.2	2270	17.8	4.18
I078045		25	12.5	26.6	1550	7.8	4.44
I078046		147	41.0	15.3	352	265	
I078047		39	39.3	34.3	1360	29.7	3.30
I078048		57	94.2	46.5	1390	10.0	3.03
I078049		59	28.2	40.6	2320	11.5	2.80
I078050		58	7.1	42.3	1350	27.9	2.44
I078051		3	0.2	0.9	15	0.9	
I078052		75	7.7	29.7	1800	30.8	2.32
I078053		108	8.6	29.1	939	27.9	3.07
I078054		47	13.4	12.0	168	37.6	
I078055		36	4.8	8.5	79	28.9	

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Total # Appendix Pages: 1
Finalized Date: 20- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10144151

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 20- OCT- 2010
This copy reported on 26- NOV- 2010
Account: RCM

CERTIFICATE VA10144151

Project: RAU

P.O. No.: BATCH 99

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 5- OCT- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% < 2mm
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
As- OG62	Ore Grade As - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS VA10144151

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
I078020		8.98	0.06	1.36	1.81	1585	520	0.42	290	0.27	2.71	19.45	7.7	40	3.49	21.5
I078021		13.00	0.02	1.42	3.74	249	1160	0.78	6.38	17.35	2.55	32.8	13.5	64	6.56	31.8
I078022		9.98	0.02	0.69	0.87	81	300	0.28	1.86	27.8	0.47	13.15	2.5	17	1.82	3.4
I078023		7.90	0.29	0.78	2.19	1310	680	0.49	192.0	17.50	6.32	22.8	10.7	52	3.46	25.6
I078024		7.98	0.05	0.93	5.22	1085	1290	1.24	106.5	3.68	6.29	40.4	23.7	105	6.21	42.3
I078025		2.46	0.60	0.48	1.92	933	1460	0.41	417	19.60	2.64	25.4	9.0	29	3.49	23.7
I078026		7.66	0.07	0.30	0.53	203	260	0.23	6.10	24.5	1.24	7.84	3.1	8	1.20	5.3
I078027		9.92	0.03	0.17	0.39	375	130	0.22	5.27	23.4	0.47	7.68	2.3	7	0.52	3.3
I078028		4.58	0.03	0.19	0.31	286	130	0.17	4.24	23.3	0.62	7.49	2.1	6	0.47	2.8
I078029		4.02	0.04	0.62	0.75	1280	420	0.44	10.75	22.1	2.87	11.90	5.4	19	1.61	10.4
I078030		6.00	0.07	1.02	2.31	2280	1950	1.48	16.20	16.55	4.09	25.4	11.0	43	3.44	36.8
I078031		2.20	0.91	1.06	1.25	>10000	1220	0.22	372	1.59	8.06	18.40	5.8	33	2.30	18.2
I078032		0.28	0.39	6.37	5.28	0.6	70	1.14	1.23	1.34	0.03	18.95	8.8	29	19.85	14.1
I078033		4.72	6.63	2.26	1.24	>10000	2960	0.17	631	1.01	0.66	6.04	1.7	33	0.62	111.0
I078034		9.16	3.33	0.87	0.28	>10000	2200	<0.05	521	1.07	0.50	6.75	1.3	11	0.17	61.3
I078035		8.28	4.61	0.99	0.74	>10000	4190	0.16	213	1.20	1.50	13.60	3.2	18	1.02	35.5
I078036		2.52	0.16	0.83	0.79	>10000	1080	0.33	119.5	4.84	15.25	26.0	5.8	14	1.60	15.6
I078037		9.74	1.58	0.82	0.53	>10000	1890	0.16	205	1.29	7.39	24.7	4.4	13	1.07	11.8
I078038		7.90	<0.01	0.01	0.07	54	10	0.05	0.56	20.6	0.08	1.74	1.3	<1	0.15	6.2
I078039		10.34	3.26	0.75	0.30	>10000	2430	0.08	170.0	1.68	2.74	15.45	1.7	18	0.39	9.1
I078040		9.66	11.65	0.98	0.29	>10000	3660	0.05	2780	2.32	1.26	6.26	0.9	10	0.27	8.8
I078041		9.40	0.69	0.77	0.60	>10000	1590	0.17	317	1.15	2.33	18.20	2.6	15	0.54	16.5
I078042		9.50	0.75	1.43	1.15	>10000	1550	0.35	262	0.74	5.07	25.4	3.3	27	1.00	18.0
I078043		10.60	0.92	2.16	1.40	>10000	2270	1.12	276	0.54	7.16	22.4	9.2	40	2.42	13.0
I078044		10.52	0.44	1.88	0.54	>10000	2810	0.21	328	1.26	9.74	16.45	5.7	8	0.59	9.0
I078045		8.20	0.22	0.87	0.79	>10000	2490	0.45	44.4	1.29	9.33	24.7	4.8	11	0.68	20.3
I078046		0.26	3.07	1.76	6.58	1875	360	1.33	3.07	2.05	1.18	36.3	49.8	595	5.11	1070
I078047		7.84	0.68	1.49	2.18	>10000	1690	1.11	434	0.90	9.17	32.1	5.8	25	1.23	52.2
I078048		6.58	0.31	1.13	1.76	>10000	2260	0.98	45.3	0.81	10.30	52.2	3.8	27	0.36	55.6
I078049		7.00	0.19	0.62	1.49	>10000	1640	0.72	110.5	0.72	9.83	55.7	6.0	31	0.22	58.1
I078050		8.34	0.12	0.39	3.76	>10000	1560	1.59	19.35	2.62	7.80	38.2	6.0	35	0.66	57.2
I078051		7.84	<0.01	0.01	0.10	19	20	0.05	0.17	21.1	0.08	1.42	1.1	<1	0.77	1.7
I078052		7.44	0.17	0.46	3.15	>10000	1390	1.22	55.2	2.77	7.31	44.2	4.2	52	0.32	54.0
I078053		3.80	0.38	0.71	4.67	>10000	2870	1.40	109.5	1.04	8.74	36.1	5.6	82	0.72	94.0
I078054		8.88	0.06	0.23	2.20	1150	390	0.92	9.56	17.10	1.06	12.75	3.2	26	1.15	4.8
I078055		11.00	0.05	0.12	1.54	204	280	0.67	7.71	17.40	0.17	10.65	5.5	20	1.48	4.3

Comments: **CORRECTED COPY FOR Au- AA26 ON SAMPLES I078020 TO I078055**

***** See Appendix Page for comments regarding this certificate *****

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 20- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10144151

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I078020		36.8	7.81	0.67	0.6	0.075	0.52	10.9	5.6	0.65	2340	6.27	0.03	3.4	33.6	700
I078021		4.61	10.25	0.08	1.3	0.062	1.27	20.2	21.0	1.61	1540	1.18	0.04	21.9	57.1	590
I078022		1.12	2.68	<0.05	0.4	0.018	0.40	8.1	6.6	3.03	573	0.25	0.01	6.0	6.6	190
I078023		14.85	9.16	0.28	0.8	0.067	0.72	13.5	11.9	1.20	2780	2.50	0.03	6.8	43.0	740
I078024		17.00	20.8	0.34	1.9	0.166	1.70	20.3	22.8	1.03	4070	2.37	0.09	10.3	103.0	1450
I078025		12.20	6.54	0.21	0.7	0.104	0.61	13.0	11.5	2.64	7390	2.18	0.04	4.9	35.1	560
I078026		1.69	2.30	0.05	0.4	0.018	0.09	5.8	4.0	7.52	1340	0.65	0.02	2.8	9.0	170
I078027		2.07	2.10	0.05	0.3	0.017	0.05	5.2	2.6	9.23	944	0.37	0.03	2.3	5.4	160
I078028		1.62	1.72	<0.05	0.2	0.012	0.04	5.1	2.4	9.27	960	0.45	0.02	1.8	4.6	130
I078029		6.55	3.06	0.11	0.3	0.040	0.18	7.7	3.8	1.35	1670	0.70	0.02	2.5	18.8	250
I078030		9.35	7.92	0.19	0.8	0.070	0.60	14.2	13.2	3.95	2270	1.08	0.06	6.0	50.6	570
I078031		45.3	4.72	0.93	0.5	0.152	0.36	10.4	3.7	0.42	2180	4.28	0.02	2.3	24.6	970
I078032		2.10	15.70	0.09	1.5	0.021	3.48	10.5	8.4	0.61	294	10.45	1.27	2.4	9.6	460
I078033		48.4	8.66	0.93	0.7	0.203	0.49	2.7	2.2	0.28	1160	5.62	0.05	1.8	10.1	440
I078034		>50	2.40	0.94	0.2	0.260	0.10	2.6	0.5	0.15	549	5.20	0.03	1.4	5.3	180
I078035		40.3	4.71	0.75	0.5	0.138	0.19	8.3	2.4	0.41	1260	3.70	0.05	1.9	13.8	370
I078036		31.0	4.67	0.57	0.4	0.210	0.08	13.4	3.2	2.16	3970	2.87	0.02	2.2	24.4	540
I078037		45.5	3.00	0.95	0.3	0.265	0.11	13.2	1.1	0.28	2410	4.13	0.03	1.5	15.1	560
I078038		0.50	0.29	0.15	<0.1	0.008	0.01	0.8	0.9	12.60	211	0.12	0.01	0.3	<0.2	180
I078039		48.3	1.94	0.87	0.2	0.182	0.08	7.1	0.6	0.14	1380	4.19	0.03	1.2	9.7	420
I078040		49.2	2.35	0.88	0.6	0.225	0.14	3.0	1.1	0.12	926	7.46	0.05	1.9	4.3	280
I078041		48.9	3.73	0.88	0.2	0.240	0.19	10.4	1.5	0.17	1660	5.16	0.02	1.4	11.8	430
I078042		48.1	7.65	0.94	0.5	0.242	0.34	11.8	2.0	0.20	1110	5.94	0.03	1.8	15.7	1000
I078043		49.5	8.16	0.80	0.9	0.425	0.46	12.2	6.0	0.39	2190	5.12	0.06	2.0	29.6	680
I078044		>50	2.88	0.88	0.4	0.154	0.08	7.9	0.7	0.17	1240	4.01	0.05	1.5	18.4	420
I078045		40.6	3.47	0.80	0.2	0.169	0.12	11.6	1.3	0.17	1280	1.53	0.03	1.3	14.0	300
I078046		8.75	17.15	0.21	6.6	0.133	1.36	17.6	29.7	2.40	782	6.90	0.85	3.8	483	380
I078047		38.3	9.20	0.96	0.7	0.190	0.39	14.2	3.6	0.22	1210	1.19	0.04	1.9	20.1	540
I078048		44.5	11.90	0.90	0.3	0.682	0.12	23.8	2.9	0.15	2530	2.06	0.04	1.2	13.8	480
I078049		46.5	12.60	0.89	0.3	0.495	0.13	27.2	2.1	0.19	2730	1.81	0.04	1.3	18.1	450
I078050		35.9	12.70	0.75	0.7	0.418	0.39	18.1	6.4	0.99	2140	1.09	0.05	2.6	22.7	690
I078051		0.51	0.35	0.16	<0.1	0.007	0.05	0.7	1.5	13.15	223	0.15	<0.01	0.3	0.9	190
I078052		37.3	19.00	0.46	1.1	0.631	0.28	19.1	3.3	1.27	2420	1.42	0.11	2.3	15.0	540
I078053		35.5	28.4	0.54	1.0	0.840	0.23	12.1	4.6	0.80	3700	1.51	0.21	1.6	20.2	620
I078054		5.62	14.65	0.13	1.2	0.064	0.90	6.0	7.5	9.96	2820	0.38	0.04	6.2	8.8	450
I078055		4.52	7.86	0.11	0.9	0.048	0.74	6.0	5.1	10.15	2280	0.40	0.01	6.6	13.5	330

Comments: **CORRECTED COPY FOR Au- AA26 ON SAMPLES I078020 TO I078055**

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Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I078020		90.6	47.6	0.003	0.02	6.92	4.2	2	2.6	8.5	0.15	0.53	1.9	0.094	0.87	3.0
I078021		89.1	58.2	0.002	0.01	2.89	8.9	1	2.3	48.2	1.25	0.07	5.1	0.318	1.00	1.2
I078022		4.7	17.0	<0.002	0.01	0.38	2.4	2	0.8	53.9	0.29	<0.05	1.3	0.092	0.19	0.6
I078023		96.3	42.7	<0.002	0.01	8.38	7.0	1	2.3	29.0	0.35	0.29	2.6	0.179	0.90	1.6
I078024		246	105.0	<0.002	0.01	9.25	15.4	2	5.1	15.2	0.56	0.58	6.0	0.316	1.55	2.8
I078025		80.9	46.1	<0.002	0.02	7.98	5.6	1	2.1	26.3	0.26	0.28	1.9	0.142	1.17	1.5
I078026		11.2	8.6	<0.002	<0.01	0.61	1.9	1	0.6	27.4	0.14	0.06	0.7	0.058	0.23	0.4
I078027		5.6	7.6	<0.002	0.01	0.78	1.6	1	0.7	35.0	0.11	0.06	0.5	0.055	0.15	0.4
I078028		5.0	5.9	0.002	0.01	0.63	1.4	1	0.6	33.7	0.09	0.05	0.4	0.039	0.12	0.3
I078029		43.0	13.1	<0.002	0.01	5.73	3.1	2	0.9	13.2	0.11	0.09	0.8	0.065	0.43	1.0
I078030		149.5	33.7	0.002	0.04	19.10	6.8	2	2.1	23.4	0.32	0.11	2.6	0.169	0.93	2.8
I078031		64.2	26.8	0.002	0.02	30.8	3.1	2	1.1	18.7	0.08	1.91	1.8	0.064	1.68	6.9
I078032		13.4	780	<0.002	0.01	0.65	7.4	2	1.1	58.3	0.27	<0.05	1.1	0.243	6.25	0.8
I078033		25.9	26.0	0.002	0.09	105.0	1.4	3	3.4	33.6	0.05	0.63	1.3	0.049	0.48	3.7
I078034		18.8	6.4	<0.002	0.08	52.5	1.2	2	0.7	21.0	<0.05	0.39	0.6	0.017	0.14	3.3
I078035		48.9	13.9	0.002	0.15	22.4	1.8	2	1.5	51.0	0.06	0.77	1.4	0.040	0.29	3.6
I078036		460	8.8	0.002	0.01	16.35	3.4	2	0.9	16.4	0.08	0.45	1.2	0.047	0.38	2.7
I078037		82.2	10.6	0.002	0.05	19.35	2.0	2	0.6	28.2	<0.05	0.59	0.7	0.018	0.25	3.8
I078038		2.2	1.6	<0.002	0.02	0.13	0.3	1	<0.2	44.8	<0.05	0.09	0.2	<0.005	<0.02	0.6
I078039		24.9	6.5	0.002	0.09	21.8	0.9	2	0.4	43.2	<0.05	0.41	0.4	0.010	0.14	3.1
I078040		59.1	8.4	0.006	0.24	133.5	1.0	6	3.0	179.0	0.05	4.15	0.5	0.030	0.37	5.8
I078041		44.5	11.7	0.003	0.13	25.0	2.0	2	0.7	34.6	<0.05	0.53	0.6	0.016	0.21	4.1
I078042		75.2	26.1	0.002	0.18	18.90	4.5	2	1.0	132.0	0.05	0.25	0.9	0.037	0.24	4.9
I078043		369	48.5	0.007	0.08	12.20	8.0	3	6.5	29.1	0.09	0.42	2.3	0.063	0.38	3.1
I078044		194.5	9.0	0.003	0.10	14.65	2.8	4	0.6	50.7	<0.05	0.43	0.6	0.019	0.19	3.8
I078045		31.9	8.5	<0.002	0.09	11.40	3.3	4	0.5	47.1	<0.05	0.14	0.6	0.016	0.23	3.6
I078046		232	77.6	0.003	1.48	186.0	23.9	2	3.0	134.5	0.36	1.31	5.9	0.229	1.05	1.8
I078047		82.5	25.1	0.002	0.11	10.65	5.2	5	2.3	79.5	0.06	0.46	3.9	0.044	0.30	4.5
I078048		37.9	6.2	0.003	0.15	4.58	9.4	3	0.6	179.5	<0.05	0.38	2.1	0.012	0.23	5.3
I078049		25.7	4.7	0.002	0.17	6.47	8.8	4	0.6	236	<0.05	0.45	2.3	0.012	0.25	4.6
I078050		18.6	16.6	<0.002	0.15	2.08	14.2	2	1.6	150.0	0.11	0.34	2.7	0.059	0.32	6.7
I078051		1.3	3.9	<0.002	0.01	0.47	0.3	1	<0.2	42.7	<0.05	<0.05	<0.2	<0.005	0.02	0.5
I078052		73.2	9.9	0.003	0.12	2.79	10.1	2	1.8	126.0	0.15	0.58	3.6	0.073	0.30	5.5
I078053		116.5	5.9	0.003	0.20	3.08	12.1	3	2.1	118.0	0.09	0.65	4.8	0.050	0.39	7.0
I078054		27.8	44.2	<0.002	0.01	0.86	3.6	1	6.0	82.7	0.37	0.11	0.6	0.168	0.22	1.1
I078055		5.9	43.1	<0.002	0.01	0.82	3.0	1	3.6	79.8	0.40	0.12	1.1	0.174	0.27	0.8

Comments: **CORRECTED COPY FOR Au- AA26 ON SAMPLES I078020 TO I078055**

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 20- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10144151

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	As- OG62
	Analyte	V	W	Y	Zn	Zr	As
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
I078020		42	45.3	24.6	483	26.4	
I078021		66	6.9	16.8	701	51.0	
I078022		18	1.4	7.3	53	18.6	
I078023		45	6.6	19.3	937	36.6	
I078024		97	12.7	26.7	1280	78.2	
I078025		35	24.7	25.1	464	29.5	
I078026		10	3.1	7.7	134	14.5	
I078027		10	4.1	6.3	69	13.0	
I078028		9	4.0	6.7	67	9.9	
I078029		16	33.8	10.1	612	16.6	
I078030		39	124.0	18.1	1610	33.7	
I078031		27	89.3	20.7	1480	20.6	3.34
I078032		52	0.4	11.1	26	55.4	
I078033		24	194.0	7.7	53	29.2	3.25
I078034		13	79.6	7.0	142	9.9	3.73
I078035		20	167.0	13.4	466	23.0	3.80
I078036		26	23.6	29.7	3180	18.1	1.780
I078037		21	71.1	34.5	1560	12.4	4.30
I078038		2	0.3	0.9	21	2.1	
I078039		11	69.5	26.3	445	8.0	5.26
I078040		13	412	5.1	281	23.7	6.64
I078041		23	77.1	24.8	608	11.0	3.80
I078042		32	45.4	25.6	935	23.2	2.69
I078043		35	51.6	22.0	2590	34.2	1.850
I078044		19	217	18.2	2270	17.8	4.18
I078045		25	12.5	26.6	1550	7.8	4.44
I078046		147	41.0	15.3	352	265	
I078047		39	39.3	34.3	1360	29.7	3.30
I078048		57	94.2	46.5	1390	10.0	3.03
I078049		59	28.2	40.6	2320	11.5	2.80
I078050		58	7.1	42.3	1350	27.9	2.44
I078051		3	0.2	0.9	15	0.9	
I078052		75	7.7	29.7	1800	30.8	2.32
I078053		108	8.6	29.1	939	27.9	3.07
I078054		47	13.4	12.0	168	37.6	
I078055		36	4.8	8.5	79	28.9	

Comments: **CORRECTED COPY FOR Au- AA26 ON SAMPLES I078020 TO I078055**

***** See Appendix Page for comments regarding this certificate *****

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Project: RAU

CERTIFICATE OF ANALYSIS VA10144151

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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Finalized Date: 27- OCT- 2010
Account: RCM

CERTIFICATE VA10148570

Project: RAU

P.O. No.: BATCH 100

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 12- OCT- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% < 2mm
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
As- OG62	Ore Grade As - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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North Vancouver BC V7H 0A7
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Finalized Date: 27- OCT- 2010
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Project: RAU

CERTIFICATE OF ANALYSIS VA10148570

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
I078056		8.76	0.04	0.50	1.85	501	370	0.60	26.5	24.8	2.09	21.0	7.8	43	2.30	11.5
I078057		7.46	0.05	0.85	2.33	1960	580	0.71	99.8	13.35	5.10	24.7	9.6	54	4.58	24.0
I078058		9.62	0.39	0.93	3.34	3690	960	0.79	130.5	0.56	5.61	29.6	11.9	72	6.20	40.7
I078059		8.62	0.65	0.62	1.66	3420	610	0.73	78.4	9.78	2.85	17.10	9.4	40	3.21	18.3
I078060		7.86	0.14	1.21	1.58	4690	640	0.79	226	5.32	3.86	25.4	11.2	35	4.67	29.5
I078061		0.28	0.39	6.56	5.07	0.3	70	1.23	1.31	1.30	0.04	22.7	9.3	32	21.5	16.9
I078062		9.46	0.56	1.01	1.30	7880	390	0.60	167.5	0.33	2.18	17.35	5.8	34	1.97	11.4
I078063		7.24	1.26	1.51	0.49	>10000	3520	0.16	424	0.73	1.74	8.72	1.8	11	0.68	7.9
I078064		9.18	0.98	1.95	0.31	>10000	2710	0.12	455	0.86	1.22	5.96	2.0	10	0.57	9.8
I078065		8.46	5.75	3.72	0.30	>10000	1710	0.08	1625	0.75	1.23	12.40	1.1	13	0.35	9.1
I078066		5.16	5.00	3.59	0.28	>10000	2990	0.09	1255	0.70	1.15	7.95	1.0	8	0.33	7.1
I078067		4.14	5.35	2.65	4.01	3670	580	1.07	27.5	0.31	0.07	153.0	0.6	75	0.18	4.7
I078068		6.32	1.22	3.67	3.11	>10000	130	1.17	326	0.61	0.81	84.3	0.7	85	5.70	6.2
I078069		7.38	1.17	0.98	4.85	>10000	180	1.35	254	0.67	0.75	119.5	1.5	86	12.80	21.9
I078070		8.04	0.67	0.69	7.48	>10000	1470	1.83	138.5	0.44	0.48	74.5	0.6	78	14.45	7.3
I078071		7.78	<0.01	0.01	0.07	25	20	0.06	0.33	20.1	0.07	1.72	1.4	2	0.14	2.3
I078072		4.02	1.03	1.28	4.07	>10000	150	1.04	2040	0.23	0.02	78.3	0.2	48	4.19	3.5
I078073		1.92	11.75	8.10	0.85	449	2820	0.25	75.1	0.13	0.04	147.5	0.1	35	0.29	5.4
I078074		8.34	43.5	89.0	0.21	>10000	3700	0.06	3690	0.56	0.36	487	0.2	16	0.30	23.7
I078075		10.10	12.90	7.87	0.44	>10000	1750	0.19	4270	0.87	6.51	37.3	2.4	32	6.31	22.7
I078076		5.88	3.20	8.16	0.87	>10000	3060	0.49	1420	0.60	19.25	31.3	2.5	60	5.40	52.0
I078077		0.28	8.70	21.0	5.03	11.5	100	1.41	1.16	1.37	0.04	7.19	9.0	40	61.4	18.9
I078078		7.42	0.63	2.42	0.70	>10000	1640	0.29	426	0.77	8.92	23.7	6.3	17	0.56	52.5
I078079		9.26	1.01	3.95	0.68	>10000	1210	0.18	250	0.60	9.19	24.3	3.8	26	0.11	60.9
I078080		9.82	2.81	2.86	1.25	>10000	1380	0.44	577	0.66	5.50	38.1	8.2	44	0.50	108.0
I078081		8.70	2.40	3.13	1.43	>10000	1400	0.93	501	0.81	9.45	46.5	7.0	50	0.58	292
I078082		7.16	1.26	1.18	1.38	>10000	1040	0.59	349	1.00	9.95	81.9	5.2	39	0.19	175.0
I078083		2.76	0.49	0.67	1.19	>10000	850	0.62	742	1.01	9.33	46.9	3.8	41	0.23	153.0
I078084		8.10	2.42	0.41	1.60	>10000	580	0.92	835	0.57	6.73	124.5	11.2	13	0.34	116.5
I078085		8.20	2.36	1.23	2.15	>10000	1080	1.51	602	1.18	23.5	134.5	6.2	66	0.51	150.0
I078086		7.08	0.01	0.02	0.07	80	40	<0.05	1.61	19.90	0.11	1.98	1.3	2	0.18	5.0
I078087		8.42	0.84	2.94	1.09	>10000	1450	0.77	645	0.81	14.60	65.8	7.0	48	0.10	113.0
I078088		8.90	0.44	1.63	0.95	>10000	1080	0.91	663	0.57	11.10	169.0	7.0	29	0.26	99.6
I078089		7.94	0.21	1.04	1.54	>10000	980	0.74	283	0.89	18.45	130.0	3.3	51	0.51	118.5
I078090		9.44	0.10	0.75	1.20	>10000	1110	0.51	112.0	1.16	21.4	125.5	2.3	40	0.24	109.0
I078091		8.40	0.08	0.59	1.25	>10000	850	0.47	62.8	1.09	14.50	30.2	2.7	27	0.39	84.5

***** See Appendix Page for comments regarding this certificate *****

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 27- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10148570

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I078056		7.42	7.49	0.14	0.9	0.034	0.53	12.3	4.5	0.57	1570	1.00	0.03	7.8	26.7	690
I078057		18.90	7.63	0.41	0.9	0.068	0.72	16.1	10.0	0.59	1980	2.42	0.01	7.0	42.6	940
I078058		35.0	11.75	0.72	1.0	0.099	1.19	18.7	11.3	0.64	2460	3.87	0.01	4.7	58.3	1430
I078059		29.3	8.81	0.52	0.7	0.039	0.58	10.6	8.1	0.53	1300	4.12	0.02	4.5	31.4	920
I078060		30.6	8.39	0.60	0.7	0.080	0.48	13.2	6.2	0.46	2850	4.36	0.03	3.0	38.2	920
I078061		2.06	17.40	0.17	1.6	0.023	3.42	12.8	12.2	0.63	292	9.20	1.26	2.4	9.8	450
I078062		34.6	8.27	0.69	0.6	0.071	0.21	8.3	3.3	0.48	474	4.63	0.03	2.5	23.1	580
I078063		49.0	3.82	0.87	0.2	0.050	0.19	4.5	1.7	0.12	512	4.52	0.04	1.8	8.3	210
I078064		>50	1.76	0.87	0.1	0.068	0.12	2.5	1.5	0.08	439	4.76	0.03	1.6	7.3	210
I078065		30.5	1.88	0.53	0.3	0.051	0.25	7.1	3.5	0.09	348	2.21	0.04	2.2	4.3	220
I078066		27.2	1.84	0.48	0.4	0.049	0.20	4.4	2.9	0.09	310	1.93	0.05	2.3	3.8	180
I078067		5.55	25.0	0.25	3.4	0.012	0.02	91.8	5.3	1.49	65	0.62	0.35	63.0	4.1	140
I078068		17.90	16.60	0.18	1.8	0.059	2.41	33.5	35.5	1.82	155	1.20	0.14	29.8	2.4	1150
I078069		20.8	26.9	0.48	1.2	0.060	3.99	59.2	34.9	2.35	189	1.29	0.08	26.8	4.8	1540
I078070		11.15	25.4	0.26	3.4	0.058	4.69	38.6	31.6	2.09	108	0.87	0.08	44.9	3.7	690
I078071		0.47	0.37	0.20	<0.1	<0.005	0.03	0.8	1.2	12.75	200	0.18	<0.01	0.5	2.2	240
I078072		17.65	15.35	0.36	1.5	0.058	4.47	37.2	15.9	0.37	20	1.78	0.11	22.8	0.8	680
I078073		0.38	4.87	0.14	3.9	<0.005	0.03	74.3	2.4	0.30	27	0.16	0.07	49.2	1.0	110
I078074		8.84	3.21	0.46	0.6	0.226	0.07	330	1.8	0.09	50	0.43	0.05	2.3	1.2	940
I078075		40.8	9.44	0.79	0.5	0.721	0.34	21.1	3.8	0.16	1150	1.73	0.03	1.5	7.9	730
I078076		48.6	13.50	0.99	0.3	0.958	0.29	17.5	3.6	0.06	463	3.04	0.04	1.6	15.5	670
I078077		2.11	16.60	0.15	1.0	0.024	3.69	3.0	20.2	0.63	301	15.60	1.21	2.0	14.5	670
I078078		>50	6.20	0.90	0.3	0.344	0.18	10.7	0.9	0.15	1400	3.93	0.02	1.5	23.4	500
I078079		>50	6.80	0.95	0.2	0.474	0.08	10.3	0.8	0.09	1240	3.53	0.02	1.2	13.6	600
I078080		>50	15.30	0.91	0.5	0.730	0.35	17.5	2.7	0.11	1870	3.77	0.02	2.0	24.6	710
I078081		49.1	17.25	0.91	0.5	0.841	0.33	18.8	3.4	0.10	2510	3.12	0.02	2.5	23.6	760
I078082		45.9	13.85	0.87	0.2	0.939	0.13	36.8	1.6	0.11	2190	1.93	0.02	1.2	17.4	780
I078083		46.8	14.70	0.84	0.2	1.145	0.10	16.8	1.2	0.10	1880	1.92	0.02	1.3	12.6	900
I078084		44.2	8.16	0.89	0.6	0.410	0.08	60.6	4.5	0.67	6940	2.63	0.04	2.5	23.7	750
I078085		45.8	20.4	0.99	0.5	0.813	0.18	51.9	7.2	0.40	1820	1.73	0.03	2.0	21.5	1150
I078086		0.57	0.36	0.15	<0.1	0.005	0.03	1.0	1.1	12.65	223	0.08	<0.01	0.4	3.3	190
I078087		47.7	12.70	0.80	0.4	0.557	0.15	29.3	2.5	0.42	1880	3.24	0.04	2.0	21.1	710
I078088		46.8	13.05	0.88	0.6	0.419	0.08	99.3	1.6	1.10	901	4.59	0.03	2.4	22.1	790
I078089		46.4	11.90	0.88	0.3	0.948	0.18	61.2	2.4	0.22	1180	2.58	0.02	1.7	15.1	980
I078090		48.0	9.39	0.87	0.1	0.916	0.11	65.8	1.3	0.05	871	1.99	0.02	1.3	7.9	980
I078091		47.3	8.54	0.78	0.3	0.466	0.29	11.0	2.5	0.12	1350	2.48	0.02	2.1	8.0	740

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 27- OCT- 2010
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Project: RAU

CERTIFICATE OF ANALYSIS VA10148570

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I078056		98.6	55.6	<0.002	0.01	3.33	5.2	1	2.5	14.2	0.45	0.24	2.5	0.193	0.51	1.2
I078057		109.5	59.1	0.002	0.01	7.46	7.0	2	2.6	11.7	0.39	0.36	2.7	0.196	0.69	1.9
I078058		156.0	93.5	0.002	0.02	12.05	8.2	4	2.9	9.7	0.24	0.26	4.1	0.167	1.01	3.1
I078059		46.8	37.5	<0.002	0.01	6.74	5.1	3	1.7	9.9	0.18	0.08	1.8	0.106	0.47	2.0
I078060		181.0	46.1	<0.002	0.02	9.95	7.4	3	1.4	9.6	0.11	0.35	1.7	0.079	0.72	2.1
I078061		15.2	760	<0.002	0.01	0.79	8.3	1	1.2	59.1	0.22	<0.05	1.1	0.244	6.84	0.7
I078062		51.8	30.2	<0.002	0.04	4.16	3.9	3	1.0	9.9	0.09	0.35	2.4	0.061	0.25	3.8
I078063		67.5	15.2	<0.002	0.17	12.60	1.4	3	0.6	26.3	0.05	0.47	1.0	0.016	0.25	4.0
I078064		43.7	5.6	0.002	0.15	16.00	1.6	3	0.5	28.6	<0.05	0.70	0.6	0.022	0.21	5.4
I078065		280	12.8	0.005	0.54	38.6	1.0	5	1.2	196.5	0.07	2.02	0.4	0.026	0.46	3.2
I078066		144.0	10.0	0.005	0.47	32.8	0.8	4	1.1	175.5	0.07	2.02	0.3	0.032	0.39	2.9
I078067		15.6	1.8	0.002	0.05	6.97	8.1	7	9.1	50.4	3.44	0.16	11.7	0.468	0.08	3.1
I078068		48.5	142.0	0.003	3.67	23.9	7.0	7	9.3	833	1.82	0.53	9.5	0.421	2.29	2.7
I078069		113.0	173.0	0.004	4.33	31.2	15.5	10	6.2	945	1.23	0.51	8.0	0.406	3.37	2.3
I078070		11.6	190.0	0.002	2.25	15.85	14.6	5	7.9	429	2.22	0.73	9.4	0.477	2.48	1.8
I078071		1.4	1.5	<0.002	0.02	0.07	0.4	1	<0.2	46.8	<0.05	<0.05	<0.2	0.005	<0.02	0.6
I078072		2480	198.0	0.007	6.34	32.7	8.0	15	11.2	584	1.09	1.97	4.9	0.312	3.72	1.0
I078073		300	2.4	0.002	0.10	44.7	2.3	3	7.4	741	1.95	0.20	4.5	0.815	0.07	3.4
I078074		2380	1.6	0.009	0.30	86.9	1.5	42	4.6	36.8	0.14	3.43	1.6	0.057	0.58	5.3
I078075		875	54.0	0.009	0.67	106.5	4.7	31	3.2	250	<0.05	3.26	1.9	0.037	4.99	3.3
I078076		1280	26.0	0.002	0.47	38.1	6.4	7	1.5	222	<0.05	1.34	4.0	0.024	1.78	5.8
I078077		6.2	1560	<0.002	0.03	0.86	7.6	1	1.1	61.9	0.19	<0.05	0.2	0.258	14.80	0.3
I078078		571	10.4	<0.002	0.14	18.45	3.0	4	0.7	35.5	<0.05	0.38	1.6	0.018	0.24	3.5
I078079		173.5	3.4	<0.002	0.13	14.05	2.8	4	0.3	41.1	<0.05	0.54	2.6	0.006	0.34	4.5
I078080		92.2	13.7	<0.002	0.26	14.90	4.7	4	1.4	90.7	0.05	0.93	2.9	0.023	0.47	5.5
I078081		202	13.5	0.002	0.33	18.85	8.9	5	1.6	116.5	0.06	0.92	3.5	0.027	0.96	8.0
I078082		124.5	7.4	0.002	0.17	11.80	9.3	9	5.8	96.1	<0.05	0.96	2.9	0.010	0.50	7.0
I078083		84.5	6.6	0.002	0.16	12.60	11.7	9	2.0	73.6	<0.05	1.30	3.3	0.010	0.35	6.9
I078084		39.1	6.8	0.003	0.07	11.15	11.0	8	7.0	24.8	0.08	0.91	1.2	0.039	0.36	5.3
I078085		36.3	16.9	0.003	0.24	15.00	18.2	6	4.8	191.5	0.06	0.83	3.3	0.033	0.75	8.3
I078086		2.6	1.6	<0.002	0.01	0.07	0.4	1	<0.2	46.8	<0.05	<0.05	<0.2	<0.005	<0.02	0.8
I078087		110.5	5.2	0.002	0.31	22.4	7.4	5	6.4	106.0	<0.05	0.99	3.6	0.031	0.71	5.9
I078088		124.5	5.4	0.002	0.15	21.3	6.6	6	1.5	62.0	0.07	0.86	3.5	0.047	0.38	7.2
I078089		181.5	8.4	<0.002	0.13	23.1	12.1	3	2.9	125.5	0.05	0.89	4.5	0.024	0.40	7.8
I078090		95.3	3.1	<0.002	0.10	13.65	10.2	3	1.2	165.5	<0.05	0.86	2.9	0.013	0.38	6.3
I078091		27.1	8.4	<0.002	0.04	8.43	6.3	3	0.2	37.2	0.05	0.47	2.6	0.034	0.49	5.1

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 27- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10148570

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	As- OG62 As % 0.001
I078056		38	7.4	11.2	451	37.9	
I078057		48	8.4	18.5	814	34.3	
I078058		69	10.7	20.0	1000	41.1	
I078059		34	16.9	13.3	537	30.0	
I078060		40	44.3	22.8	881	31.2	
I078061		53	0.4	11.7	28	54.3	
I078062		27	127.0	11.9	506	27.6	
I078063		6	113.5	3.2	224	9.9	2.67
I078064		8	277	3.4	207	6.2	3.29
I078065		8	900	2.4	146	15.8	2.89
I078066		7	770	1.9	116	16.3	2.62
I078067		71	90.1	5.4	15	129.5	
I078068		68	302	9.4	83	62.5	1.320
I078069		96	490	13.8	145	54.5	1.750
I078070		102	265	13.7	86	174.0	0.990
I078071		2	0.7	0.9	15	1.0	
I078072		63	1160	4.7	15	52.5	1.175
I078073		61	113.5	6.3	6	142.5	
I078074		13	1620	2.7	29	21.5	7.21
I078075		30	1400	14.2	1660	20.8	6.76
I078076		46	254	15.7	6040	18.3	3.83
I078077		55	0.5	8.7	28	34.9	
I078078		23	66.7	22.8	3780	13.6	2.16
I078079		27	67.8	18.8	2140	9.4	2.63
I078080		58	110.5	15.5	1260	24.5	2.71
I078081		79	125.0	25.5	2560	28.2	3.32
I078082		59	203	26.8	1680	10.6	3.66
I078083		72	135.5	25.0	1820	12.3	3.79
I078084		44	169.0	49.3	1580	21.3	2.15
I078085		76	150.5	50.9	978	21.9	4.18
I078086		1	0.6	1.0	19	0.5	
I078087		54	88.7	27.4	1540	18.8	3.38
I078088		40	227	25.7	1960	24.1	2.33
I078089		50	72.6	30.5	1150	11.8	3.71
I078090		42	62.0	17.7	677	6.1	4.43
I078091		37	22.3	13.6	758	12.2	4.27

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 27- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10148570

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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1016- 510 W HASTINGS ST
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Finalized Date: 26- OCT- 2010
Account: RCM

CERTIFICATE VA10148571

Project: RAU

P.O. No.: BATCH 101

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 12- OCT- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- 31	Fine crushing - 70% < 2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
As- OG62	Ore Grade As - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 26- OCT- 2010
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Project: RAU

CERTIFICATE OF ANALYSIS VA10148571

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
I078092		10.46	0.24	1.31	1.59	>10000	500	0.80	120.0	0.85	15.20	42.7	6.4	19	0.38	141.0
I078093		2.62	0.81	3.05	2.64	>10000	470	1.37	237	0.90	19.25	56.9	9.6	22	1.08	151.5
I078094		6.22	0.07	0.05	0.42	160	70	0.15	176.5	24.5	0.25	14.05	2.4	4	0.52	6.8
I078095		10.50	0.06	0.17	0.22	370	60	0.09	383	19.40	1.53	28.6	2.4	2	0.44	4.4
I078096		0.28	0.40	6.31	5.37	4.4	80	0.91	1.65	1.39	0.05	20.1	8.1	32	20.5	13.2
I078097		11.36	0.04	0.31	0.29	90	50	0.15	199.5	19.50	1.32	16.15	1.8	2	0.43	3.7
I078098		11.00	0.05	1.26	0.12	144	100	0.08	386	17.90	2.83	13.10	2.7	1	0.29	7.1
I078099		11.10	0.04	3.77	0.16	130	50	0.11	528	18.10	3.16	14.05	1.5	1	0.39	8.2
I078100		10.66	0.06	2.91	0.13	215	80	0.18	295	17.55	4.51	13.45	1.7	1	0.37	6.8
I078101		5.32	0.06	2.92	0.15	234	90	0.12	363	18.55	4.71	13.35	1.8	1	0.38	7.5
I078102		9.60	0.04	2.55	0.13	264	90	0.09	116.0	17.90	7.37	16.00	1.2	1	0.28	3.7
I078103		10.16	0.03	3.22	0.49	307	90	0.26	526	16.60	4.53	17.75	2.3	3	1.12	6.8
I078104		7.14	0.01	0.01	0.07	<5	30	<0.05	0.54	20.5	0.09	1.41	1.1	1	0.18	2.6
I078105		8.90	0.03	2.68	0.19	281	50	0.10	201	16.90	6.35	21.4	2.1	1	0.58	4.5
I078106		9.10	0.07	2.38	0.06	312	50	0.06	368	17.70	5.00	23.3	1.6	1	0.40	5.0
I078107		10.24	0.03	2.47	0.13	230	30	0.09	375	17.30	3.66	17.70	2.0	1	0.48	4.1
I078108		11.20	0.07	1.22	0.12	526	40	0.09	462	15.90	3.85	14.80	2.4	1	0.46	4.9
I078109		4.48	0.34	5.02	0.35	2440	240	0.28	582	5.46	17.65	28.7	9.2	3	0.99	22.5
I078110		3.74	0.23	1.66	0.14	1460	210	0.15	177.0	10.60	13.50	19.75	6.9	1	0.31	8.0
I078111		4.74	0.39	30.5	0.18	5840	420	0.16	3310	5.81	16.15	29.4	7.2	2	0.44	38.9
I078112		6.76	0.21	0.54	1.34	705	280	0.51	289	13.45	15.70	22.7	7.2	13	4.93	10.3
I078113		0.26	3.18	1.59	6.77	1885	370	1.25	3.52	2.04	1.14	37.7	45.9	587	5.05	1100
I078114		11.00	0.04	0.11	0.39	252	30	0.15	218	17.35	0.46	11.85	5.6	3	1.59	3.1
I078115		12.92	0.01	0.11	0.36	236	20	0.14	240	17.30	0.49	16.85	5.2	4	1.50	2.1
I078116		3.58	0.01	0.13	0.55	53	150	0.18	5.11	33.6	0.41	12.30	2.5	15	0.49	4.4
I078117		1.58	0.06	1.00	0.85	1390	350	0.24	113.0	20.9	1.61	23.0	3.7	19	0.87	12.1
I078118		0.98	0.08	0.36	0.95	563	340	0.26	24.5	23.1	1.34	15.60	4.5	21	1.23	13.2
I078119		1.20	0.65	1.12	1.92	4490	780	0.59	218	1.14	4.04	28.3	10.1	51	2.86	27.7
I078120		0.92	0.04	0.42	0.66	181.5	190	0.17	9.79	2.41	0.61	5.46	2.8	23	1.84	12.9
I078121		0.90	2.76	1.65	0.04	4790	90	<0.05	1120	0.21	0.52	1.47	1.4	17	<0.05	9.2
I078122		1.10	0.14	1.09	1.13	4610	490	0.44	293	1.07	3.89	25.9	6.4	37	3.42	38.6
I078123		8.28	0.83	1.90	0.99	7550	1150	0.56	305	0.93	6.03	37.4	5.0	33	1.20	21.8
I078124		5.32	0.36	0.50	0.51	341	430	0.24	5.55	27.2	0.64	11.15	1.9	12	1.46	3.5
I078125		7.16	<0.01	0.01	0.06	14	30	<0.05	0.82	19.75	0.09	1.31	0.9	2	0.14	1.6
I078126		3.08	0.11	0.24	0.48	252	420	0.20	3.23	26.0	0.76	10.85	1.5	11	0.94	2.1
I078127		4.90	1.64	0.98	1.20	>10000	1670	0.58	461	0.70	4.66	27.9	4.4	42	1.42	14.6

***** See Appendix Page for comments regarding this certificate *****

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 26- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10148571

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I078092		>50	5.99	0.84	0.3	0.362	0.18	21.3	2.9	0.12	2910	2.82	<0.01	1.2	20.6	740
I078093		49.9	6.28	0.93	0.7	0.272	0.56	36.6	6.3	0.50	3440	5.50	<0.01	2.5	32.5	1100
I078094		1.81	1.55	0.07	0.2	0.035	0.21	8.0	2.4	7.40	2310	0.32	0.01	2.3	4.7	150
I078095		6.23	1.56	0.11	0.2	0.128	0.09	11.8	2.1	9.52	6980	0.30	0.01	0.8	5.2	140
I078096		2.10	15.35	0.07	1.4	0.023	3.49	11.3	8.8	0.63	310	9.20	1.29	2.2	8.6	460
I078097		3.66	1.35	0.07	0.2	0.047	0.12	7.7	2.1	10.85	4440	0.19	0.01	1.2	3.5	170
I078098		6.35	0.79	0.11	0.1	0.068	0.05	5.4	1.8	10.00	5420	1.93	0.01	0.4	6.8	100
I078099		4.62	1.09	0.08	0.1	0.081	0.06	5.9	2.0	9.95	5100	0.64	0.01	0.6	3.7	120
I078100		5.51	0.72	0.05	0.1	0.086	0.04	5.4	3.5	9.67	5290	1.30	0.01	0.3	3.8	160
I078101		5.93	0.78	0.05	0.1	0.086	0.04	5.2	3.0	10.25	5390	1.78	0.01	0.4	4.4	150
I078102		7.39	0.80	0.07	0.1	0.095	0.02	6.0	2.8	9.86	6380	0.22	0.01	0.4	2.8	150
I078103		7.81	3.22	0.13	0.3	0.119	0.13	7.1	2.2	8.98	6300	0.16	0.02	1.2	6.7	240
I078104		0.46	0.24	<0.05	<0.1	0.005	0.03	0.7	1.0	12.60	233	0.07	0.01	0.2	2.3	200
I078105		8.55	1.40	0.11	0.1	0.129	0.04	9.7	1.9	9.53	6560	0.17	0.01	0.5	5.1	170
I078106		6.23	0.80	0.10	0.1	0.107	0.01	11.3	1.9	10.00	6120	0.19	0.01	0.3	3.9	130
I078107		5.99	1.06	0.11	0.1	0.101	0.02	7.9	1.9	9.83	5380	0.13	0.01	0.7	5.5	190
I078108		11.30	1.26	0.16	0.1	0.111	0.03	5.5	1.6	8.96	6730	0.57	0.01	0.4	5.9	170
I078109		40.8	2.87	0.63	0.2	0.293	0.10	10.8	1.2	1.93	8440	3.84	0.01	0.9	23.3	300
I078110		24.0	1.12	0.31	0.1	0.295	0.02	7.9	1.4	6.13	5850	0.28	0.01	0.4	14.6	280
I078111		38.7	1.21	0.52	0.1	0.474	0.02	11.4	1.0	3.15	3860	0.28	0.01	0.5	19.6	240
I078112		14.50	8.13	0.17	0.8	0.134	0.28	8.9	6.1	7.85	7100	0.24	0.03	3.4	21.2	450
I078113		8.41	16.75	0.14	6.4	0.134	1.35	18.5	27.9	2.34	802	6.40	0.84	3.3	485	380
I078114		7.87	2.68	0.13	0.3	0.057	0.10	4.7	2.9	9.86	5100	0.37	0.02	1.0	12.7	220
I078115		7.10	2.43	0.11	0.3	0.045	0.05	7.5	3.0	10.15	4770	0.34	0.02	1.3	12.4	240
I078116		1.11	1.39	<0.05	0.3	0.012	0.20	8.6	2.0	0.86	360	0.34	0.02	2.8	7.3	170
I078117		12.75	3.05	0.18	0.5	0.052	0.17	13.8	2.9	1.58	1600	1.60	0.05	3.5	14.8	380
I078118		5.57	3.83	0.08	0.5	0.061	0.13	8.5	4.2	2.31	1840	0.76	0.05	4.1	18.4	350
I078119		29.8	8.40	0.37	1.8	0.104	0.29	15.6	6.8	0.64	2840	3.63	0.08	2.9	44.6	1320
I078120		2.19	1.68	<0.05	0.3	0.020	0.21	2.6	4.6	0.16	313	0.40	0.01	1.4	15.4	140
I078121		>50	0.30	0.75	<0.1	0.025	0.01	0.7	0.3	0.11	139	3.14	<0.01	0.8	7.5	320
I078122		36.3	5.17	0.42	0.8	0.235	0.17	13.4	2.1	0.38	1280	3.96	0.04	1.6	26.8	1280
I078123		39.1	5.16	0.55	0.7	0.221	0.07	20.2	1.8	0.35	2030	3.23	0.03	1.5	23.3	890
I078124		2.58	2.66	0.05	0.3	0.033	0.11	7.7	3.2	4.16	1720	0.34	0.01	2.1	7.1	230
I078125		0.51	0.20	<0.05	<0.1	<0.005	0.02	0.6	1.1	12.15	221	0.05	<0.01	0.2	1.4	190
I078126		2.29	2.38	0.05	0.3	0.042	0.14	6.9	2.7	5.59	1630	0.35	0.03	1.9	4.7	200
I078127		43.3	5.30	0.30	0.7	0.279	0.16	12.8	2.3	0.37	1670	4.42	0.02	1.3	20.1	1090

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 26- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10148571

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I078092		92.0	6.3	0.002	0.04	7.12	4.9	4	0.4	30.3	<0.05	0.30	1.2	0.017	0.68	4.8
I078093		86.1	18.4	0.002	0.04	11.20	7.1	5	0.8	27.9	0.10	0.43	2.0	0.048	0.60	4.8
I078094		7.3	7.9	<0.002	0.03	5.56	1.3	1	0.4	96.4	0.14	0.12	0.5	0.041	0.16	0.4
I078095		73.8	5.2	<0.002	0.06	10.75	1.0	2	0.6	93.5	<0.05	0.34	0.2	0.014	0.12	0.4
I078096		13.2	790	<0.002	0.01	0.67	7.2	1	1.0	57.3	0.20	<0.05	1.1	0.248	6.20	0.6
I078097		55.5	8.7	<0.002	0.06	5.35	1.0	2	0.9	85.8	0.06	0.20	0.9	0.022	0.13	0.6
I078098		144.5	4.0	<0.002	0.09	8.27	0.9	2	0.7	94.2	<0.05	0.41	<0.2	0.007	0.05	0.5
I078099		222	6.4	<0.002	0.17	10.25	1.0	2	1.6	90.6	<0.05	0.49	<0.2	0.011	0.07	0.3
I078100		216	4.7	<0.002	0.45	6.10	0.7	2	1.2	82.7	<0.05	0.26	0.3	0.008	0.12	0.6
I078101		230	5.6	<0.002	0.46	8.66	0.7	2	1.5	87.3	<0.05	0.33	0.2	0.008	0.09	0.6
I078102		295	1.9	<0.002	1.16	1.93	0.8	2	0.8	84.8	<0.05	0.12	0.3	0.008	0.04	0.7
I078103		250	20.8	0.002	1.03	5.95	2.0	2	5.1	89.9	0.06	0.40	0.3	0.030	0.19	0.9
I078104		2.3	1.4	<0.002	0.01	<0.05	0.3	2	0.2	43.4	<0.05	<0.05	<0.2	<0.005	<0.02	0.9
I078105		250	5.7	<0.002	1.44	2.43	1.5	2	1.3	93.7	<0.05	0.17	0.2	0.012	0.08	0.8
I078106		207	1.3	<0.002	1.09	3.53	1.2	2	0.6	92.0	<0.05	0.24	<0.2	0.005	0.05	0.4
I078107		165.0	2.7	<0.002	1.46	4.50	1.8	2	0.9	87.5	<0.05	0.24	<0.2	0.013	0.04	0.4
I078108		127.0	3.9	0.003	2.13	8.36	1.3	2	1.1	87.6	<0.05	0.38	0.3	0.008	0.11	0.8
I078109		525	13.4	0.002	0.87	11.00	2.4	6	2.1	35.8	<0.05	0.53	0.2	0.013	0.42	2.6
I078110		142.0	1.6	<0.002	0.49	4.68	2.0	4	0.7	57.3	<0.05	0.21	<0.2	0.005	0.11	1.3
I078111		3030	2.5	<0.002	0.17	44.6	4.7	12	3.3	46.4	<0.05	1.99	<0.2	<0.005	0.11	1.8
I078112		43.7	47.5	<0.002	0.42	4.31	4.0	2	2.6	82.9	0.19	0.22	1.5	0.098	0.50	1.5
I078113		226	76.4	0.002	1.50	181.5	21.4	2	2.9	134.5	0.31	1.39	4.8	0.218	0.93	1.5
I078114		12.1	18.2	0.002	2.73	3.22	1.5	3	1.0	108.5	0.05	0.22	<0.2	0.027	0.31	0.6
I078115		8.3	10.9	0.002	4.55	2.60	1.2	3	0.9	113.5	0.06	0.30	0.2	0.033	0.20	1.2
I078116		6.7	8.4	<0.002	0.04	0.59	1.8	2	0.3	151.5	0.14	0.05	0.6	0.068	0.12	0.5
I078117		41.0	9.1	<0.002	0.01	3.16	2.4	2	1.1	55.3	0.18	0.36	1.0	0.071	0.33	0.8
I078118		30.9	8.1	<0.002	0.01	1.75	2.8	2	1.2	32.5	0.21	0.14	1.0	0.097	0.30	0.6
I078119		72.5	19.6	<0.002	0.03	10.70	5.0	2	2.8	16.5	0.16	0.70	3.8	0.080	0.49	2.5
I078120		26.5	12.5	<0.002	<0.01	1.15	1.8	1	0.6	7.5	0.06	<0.05	0.9	0.046	0.19	0.3
I078121		18.0	0.3	<0.002	4.70	19.60	0.2	4	0.2	12.7	<0.05	2.63	<0.2	<0.005	<0.02	1.2
I078122		148.0	14.1	<0.002	0.04	10.80	5.5	2	1.3	11.6	0.08	0.80	2.2	0.045	0.28	2.2
I078123		33.9	10.4	0.005	0.10	11.95	6.7	2	1.3	12.4	0.07	0.88	1.9	0.036	0.33	2.0
I078124		5.2	12.1	<0.002	0.01	0.89	1.7	2	0.8	23.1	0.11	0.09	0.5	0.054	0.25	0.4
I078125		1.1	1.1	<0.002	0.01	0.05	0.3	1	<0.2	40.2	<0.05	<0.05	<0.2	<0.005	<0.02	0.4
I078126		4.0	10.4	<0.002	0.01	1.03	1.4	2	0.8	38.0	0.10	0.05	0.3	0.053	0.15	0.4
I078127		50.8	14.7	<0.002	0.05	22.0	4.2	2	1.9	15.0	0.08	0.87	2.8	0.051	0.38	2.8

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 26- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10148571

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	As- OG62 As % 0.001
I078092		24	35.2	38.0	2190	9.1	3.30
I078093		27	36.3	62.0	2700	24.7	2.60
I078094		6	1.3	10.0	83	10.3	
I078095		5	87.4	19.5	364	5.4	
I078096		54	0.4	11.1	31	48.5	
I078097		6	21.3	14.3	304	6.7	
I078098		5	2.3	15.0	577	3.0	
I078099		6	12.2	14.3	618	4.5	
I078100		5	39.2	14.7	873	3.3	
I078101		6	31.9	15.6	1000	3.5	
I078102		4	104.0	16.1	1080	4.5	
I078103		10	239	20.8	941	11.2	
I078104		3	0.3	0.9	22	<0.5	
I078105		7	109.0	20.3	1220	4.7	
I078106		4	127.0	19.3	949	3.1	
I078107		6	12.4	19.4	778	5.8	
I078108		6	326	20.5	643	4.7	
I078109		15	226	27.2	2320	9.1	
I078110		12	191.0	17.5	1220	4.1	
I078111		18	47.8	22.2	4560	3.1	
I078112		26	116.5	20.9	983	29.5	
I078113		151	37.6	13.7	367	264	
I078114		10	45.7	14.1	118	12.1	
I078115		10	100.5	15.5	106	10.9	
I078116		18	1.0	7.6	71	12.8	
I078117		22	37.5	10.7	250	17.1	
I078118		25	10.2	8.7	228	20.6	
I078119		51	33.4	19.3	531	63.8	
I078120		14	3.3	3.4	226	9.8	
I078121		3	3.1	2.4	39	1.8	
I078122		44	84.1	17.4	805	29.5	
I078123		33	720	24.0	448	25.1	
I078124		16	20.3	8.1	97	13.4	
I078125		3	1.8	0.8	18	<0.5	
I078126		16	5.1	8.6	64	13.3	
I078127		35	139.5	17.0	467	23.3	1.785

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 26- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10148571

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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Finalized Date: 26- OCT- 2010
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CERTIFICATE VA10148572

Project: RAU

P.O. No.: BATCH 102

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 12- OCT- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- 31	Fine crushing - 70% < 2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
As- OG62	Ore Grade As - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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Finalized Date: 26- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10148572

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
I078128		2.42	1.98	0.94	0.82	>10000	1560	0.30	397	0.65	3.17	19.95	3.6	32	0.75	14.5
I078129		3.72	0.53	1.70	2.78	>10000	2920	1.21	113.0	3.38	6.57	55.2	9.3	79	2.79	42.8
I078130		3.66	0.46	2.41	0.84	8150	1090	0.42	237	4.54	2.13	20.8	5.9	33	1.29	12.3
I078131		4.56	0.79	1.72	0.83	3530	910	0.35	45.8	25.2	2.15	16.05	3.9	26	0.39	20.6
I078132		2.84	0.63	1.14	0.87	3580	720	0.39	31.5	25.2	1.12	15.35	2.5	20	1.36	6.1
I078133		4.32	1.62	2.69	0.54	5050	1180	0.15	313	0.35	0.79	6.38	1.5	27	1.03	5.1
I078134		7.16	0.01	0.01	0.06	19	20	0.07	0.75	20.4	0.06	1.06	1.2	1	0.16	2.1
I078135		3.12	0.01	0.72	0.02	193.5	60	<0.05	1.82	0.07	0.10	0.26	0.3	15	0.46	2.6
I078136		0.84	0.06	0.58	0.16	2480	510	0.08	27.1	5.08	1.37	5.22	1.3	17	0.65	2.9
I078137		2.24	0.17	1.20	2.47	>10000	4450	0.88	96.5	3.82	5.44	41.5	4.1	60	4.01	5.4
I078138		8.28	0.27	0.51	0.80	>10000	1360	0.41	102.5	21.9	6.00	23.7	2.2	15	0.65	10.4
I078139		4.68	0.23	0.72	1.26	>10000	1890	0.47	122.5	17.70	4.37	23.6	2.6	27	1.47	7.8
I078140		4.02	0.18	0.23	0.68	4120	800	0.30	6.97	28.7	1.81	14.25	2.3	13	1.19	3.2
I078141		2.92	0.13	0.19	0.44	3940	540	0.23	6.01	21.9	1.79	12.80	1.8	11	0.90	2.1
I078142		3.12	0.11	0.27	0.45	2590	390	0.19	2.97	21.1	0.29	8.02	1.7	11	0.95	2.2
I078143		4.74	0.08	0.08	0.48	2110	400	0.22	1.54	25.4	0.19	8.35	1.1	8	0.67	1.6
I078144		3.12	0.08	0.13	0.55	8260	810	0.28	4.76	20.5	0.66	11.00	2.7	13	0.80	2.4
I078145		0.26	3.00	1.56	6.36	1885	350	1.15	2.67	2.08	0.95	34.8	41.8	549	4.73	1055
I078146		2.24	0.30	0.44	1.03	>10000	1550	0.36	127.0	0.68	3.07	15.05	6.9	23	1.28	4.3
I078147		8.74	0.09	0.08	0.18	2610	180	0.13	1.70	22.6	0.53	7.30	1.5	4	0.47	1.7
I078148		7.54	0.21	0.76	1.64	6520	820	0.54	42.5	17.30	1.89	22.4	5.0	34	2.38	5.3
I078149		6.94	0.80	1.21	1.77	>10000	2250	0.51	141.5	0.63	3.94	21.1	5.9	45	1.92	11.6
I078150		3.14	0.70	3.55	1.52	>10000	2760	0.65	144.5	0.80	6.65	38.2	5.2	45	1.40	23.8
I078151		3.36	1.07	4.11	0.88	>10000	1210	0.33	209	0.43	3.96	25.6	4.8	20	0.33	18.2
I078152		7.24	<0.01	0.01	0.06	51	20	<0.05	0.61	21.1	0.07	1.28	1.1	1	0.14	2.0
I078153		2.90	1.27	3.44	0.78	>10000	1080	0.22	340	0.48	3.39	18.95	3.7	18	0.58	19.2
I078154		8.16	0.54	2.00	2.41	5460	900	0.67	62.7	12.30	5.53	17.80	4.6	42	3.14	14.3
I078155		7.18	0.60	4.30	0.58	2900	460	0.18	108.0	15.40	6.78	13.35	6.2	17	0.32	8.3
I078156		3.32	4.30	5.93	1.15	6160	470	0.32	266	8.14	6.26	16.90	7.1	17	0.27	23.3
I078157		5.22	0.52	1.75	1.65	5280	460	0.52	110.0	12.30	6.92	20.6	7.1	21	1.00	17.9
I078158		0.28	1.41	0.60	5.04	86.3	90	1.17	1.39	1.06	0.12	14.80	22.3	162	26.4	468
I078159		10.14	0.05	0.06	0.20	234	150	0.11	1.13	21.1	0.78	6.73	1.1	4	0.76	1.9
I078160		11.04	0.47	1.10	0.10	531	150	0.10	3220	18.15	1.38	7.94	3.5	2	0.24	5.8
I078161		9.32	1.65	0.92	0.10	653	350	<0.05	7110	21.3	1.24	11.80	2.4	3	0.18	7.2
I078162		11.18	0.08	0.25	0.70	323	260	0.21	179.0	19.05	0.66	9.35	2.5	13	0.64	3.7
I078163		11.42	0.33	0.34	0.56	114	230	0.17	5640	19.50	1.37	9.38	1.4	4	1.15	11.0

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 26- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10148572

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I078128		43.7	4.57	0.92	0.4	0.241	0.15	9.2	1.8	0.24	1920	5.56	0.01	1.6	16.1	660
I078129		34.5	12.35	0.81	1.1	0.501	0.15	23.9	13.2	1.60	4190	1.94	0.05	3.2	49.2	1200
I078130		32.9	4.70	0.96	0.7	0.143	0.11	9.0	1.1	0.58	4290	3.63	0.03	2.0	25.9	600
I078131		12.55	4.25	0.25	0.6	0.060	0.05	7.8	1.1	1.08	3040	1.95	0.05	3.8	14.7	660
I078132		11.05	4.06	0.25	0.5	0.076	0.11	7.6	2.5	1.06	2260	1.08	0.01	3.3	11.7	550
I078133		19.30	3.30	0.31	0.3	0.104	0.20	2.5	1.0	0.15	1310	2.36	0.01	0.8	8.3	280
I078134		0.50	0.21	0.12	<0.1	0.005	0.02	0.5	0.7	11.95	214	0.09	<0.01	0.3	1.6	190
I078135		0.81	0.18	<0.05	<0.1	<0.005	0.01	<0.5	0.7	0.03	167	0.20	<0.01	0.1	1.4	10
I078136		5.92	0.96	0.11	0.1	0.044	0.05	2.1	1.0	0.14	1520	0.53	0.01	0.3	5.1	170
I078137		22.7	12.90	0.54	1.2	0.202	0.88	21.8	4.6	0.64	3040	1.82	0.09	3.8	18.7	1560
I078138		15.75	2.98	0.27	0.3	0.155	0.16	10.2	2.2	2.82	3470	1.12	0.01	1.7	6.9	340
I078139		16.90	6.30	0.30	0.6	0.156	0.39	11.8	2.7	2.82	2640	1.34	0.04	3.7	9.6	630
I078140		7.28	2.81	0.15	0.3	0.046	0.28	9.3	2.7	2.36	2260	0.57	<0.01	2.7	8.1	300
I078141		6.76	2.01	0.12	0.2	0.073	0.20	7.9	2.0	2.55	1540	0.53	<0.01	1.6	6.3	170
I078142		4.74	2.05	0.11	0.2	0.031	0.20	5.1	1.9	3.86	1380	0.37	<0.01	1.4	4.6	130
I078143		2.54	2.50	0.07	0.2	0.042	0.22	4.8	2.5	7.40	1510	0.30	<0.01	1.4	2.2	150
I078144		13.80	2.60	0.23	0.3	0.045	0.22	6.6	2.3	5.34	2480	0.67	<0.01	1.9	9.4	200
I078145		8.57	15.30	0.56	5.4	0.127	1.31	15.7	25.1	2.32	776	6.55	0.81	3.4	489	370
I078146		49.7	5.15	0.91	0.6	0.134	0.39	7.0	1.6	0.24	2210	1.17	0.02	2.5	25.8	410
I078147		4.25	0.81	0.11	0.1	0.026	0.08	5.4	2.4	9.05	785	0.29	<0.01	0.8	3.1	100
I078148		11.85	6.69	0.36	0.9	0.084	0.49	13.2	5.1	6.28	1600	0.77	0.04	6.6	17.4	470
I078149		49.5	9.01	0.97	0.9	0.217	0.60	10.4	3.8	0.36	1720	1.46	0.03	2.9	23.4	320
I078150		45.7	6.31	0.79	0.6	0.359	0.29	19.1	1.5	0.30	2190	1.70	0.04	1.9	21.6	630
I078151		>50	2.82	0.74	0.4	0.211	0.09	10.2	0.6	0.25	2850	1.27	0.02	1.2	15.3	370
I078152		0.57	0.20	0.10	<0.1	<0.005	0.02	0.6	0.8	12.70	205	0.06	<0.01	0.3	1.6	200
I078153		46.0	3.94	0.81	0.4	0.233	0.07	7.2	0.6	0.27	2060	0.93	0.01	1.1	12.2	230
I078154		19.95	9.71	0.61	1.0	0.166	0.85	8.5	4.8	3.58	2800	0.92	0.02	7.2	17.6	610
I078155		25.2	2.74	0.47	0.4	0.208	0.05	5.2	0.9	2.59	3550	2.28	0.02	2.4	15.5	200
I078156		39.5	2.72	0.63	0.2	0.890	0.05	6.3	1.1	1.53	3220	1.74	0.01	0.7	19.4	160
I078157		21.5	4.23	0.44	0.4	0.226	0.18	8.5	3.5	5.44	2350	0.74	0.01	2.4	28.2	280
I078158		2.11	13.95	0.15	1.4	0.044	3.69	7.7	7.8	0.40	303	5.19	1.21	2.5	481	460
I078159		1.80	0.70	0.07	0.1	0.017	0.08	4.3	2.4	12.70	1140	0.07	<0.01	0.9	2.2	90
I078160		9.46	0.50	0.17	<0.1	0.092	0.01	3.5	1.5	9.96	2630	0.30	<0.01	0.3	10.7	60
I078161		12.50	0.80	0.22	0.1	0.117	0.01	3.9	1.2	5.91	5630	0.85	<0.01	0.2	8.0	80
I078162		7.03	3.73	0.12	0.3	0.122	0.30	3.7	2.7	9.02	4260	0.27	<0.01	2.4	8.3	210
I078163		5.45	3.06	0.13	0.3	0.127	0.26	3.5	2.4	9.45	5370	0.17	<0.01	2.3	4.9	220

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VANCOUVER BC V6B 1L8

Finalized Date: 26- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10148572

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I078128		35.9	12.0	0.004	0.06	30.3	3.5	2	0.9	12.1	0.06	0.66	1.9	0.044	0.65	3.6
I078129		23.8	20.2	0.002	0.14	25.6	14.3	3	1.7	27.8	0.18	0.59	3.7	0.126	0.78	3.7
I078130		26.7	14.9	<0.002	0.05	17.45	4.5	3	2.5	13.4	0.11	0.79	1.8	0.076	0.56	2.4
I078131		25.4	5.6	<0.002	0.03	4.50	3.3	2	2.1	21.6	0.20	0.17	0.9	0.107	0.27	1.3
I078132		18.2	17.9	<0.002	0.03	3.03	2.6	2	1.5	17.7	0.19	0.09	0.8	0.098	0.33	0.9
I078133		84.0	23.6	<0.002	0.04	8.09	2.4	2	2.2	7.3	<0.05	0.48	0.9	0.034	0.22	1.4
I078134		1.2	1.2	<0.002	0.01	<0.05	0.3	1	<0.2	40.2	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
I078135		3.2	1.1	<0.002	<0.01	0.73	0.2	1	0.2	1.6	<0.05	<0.05	<0.2	<0.005	0.03	<0.1
I078136		16.3	4.7	<0.002	0.01	5.63	2.0	2	0.4	8.3	<0.05	0.10	<0.2	0.008	0.18	0.3
I078137		61.4	71.6	0.002	0.09	17.70	6.3	2	3.2	23.4	0.21	0.46	1.6	0.131	0.66	2.9
I078138		43.8	13.0	<0.002	0.04	14.75	3.7	2	1.3	31.7	0.09	0.18	0.5	0.046	0.22	1.5
I078139		36.2	32.4	<0.002	0.05	14.45	3.5	2	1.9	32.4	0.21	0.23	0.8	0.107	0.30	1.9
I078140		7.6	16.6	<0.002	0.02	2.49	2.1	2	1.0	28.9	0.16	<0.05	0.5	0.072	0.19	0.9
I078141		39.0	13.8	<0.002	0.01	3.71	1.7	2	1.1	28.2	0.09	<0.05	0.4	0.044	0.13	0.9
I078142		6.8	14.2	<0.002	0.01	0.65	1.5	1	0.8	25.4	0.08	0.05	0.4	0.042	0.11	0.4
I078143		4.3	13.9	<0.002	0.01	0.53	1.4	1	1.0	43.0	0.07	<0.05	0.3	0.038	0.09	0.5
I078144		6.2	12.4	<0.002	0.03	2.04	1.4	2	0.9	30.9	0.11	0.10	0.5	0.055	0.11	1.0
I078145		223	74.4	0.003	1.44	184.0	20.1	3	3.0	128.5	0.35	1.44	4.9	0.246	0.87	1.6
I078146		46.2	20.8	0.008	0.12	8.49	3.6	3	1.4	26.4	0.12	0.47	1.7	0.083	0.27	3.8
I078147		11.9	6.3	<0.002	0.01	0.61	0.9	2	0.3	30.4	<0.05	<0.05	<0.2	0.019	0.06	0.4
I078148		74.3	28.6	<0.002	0.02	7.42	3.8	2	2.9	28.5	0.39	0.23	1.1	0.195	0.25	1.6
I078149		157.5	29.1	<0.002	0.10	14.70	5.2	4	1.9	29.3	0.14	0.23	1.5	0.104	0.29	3.2
I078150		176.5	15.5	<0.002	0.09	13.70	8.1	6	1.8	35.9	0.09	0.47	1.5	0.065	0.23	3.5
I078151		151.0	6.9	<0.002	0.07	5.13	4.8	5	1.6	19.3	0.05	0.55	0.5	0.032	0.13	2.2
I078152		1.4	1.1	<0.002	0.01	0.06	0.4	1	<0.2	43.5	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
I078153		69.0	7.4	<0.002	0.09	7.97	4.8	5	3.9	18.9	<0.05	0.70	0.4	0.033	0.10	3.0
I078154		155.5	57.0	<0.002	0.02	4.52	3.9	3	3.8	27.1	0.42	0.14	1.3	0.212	0.51	1.9
I078155		467	5.7	<0.002	0.04	3.35	2.7	3	1.6	26.4	0.13	0.41	<0.2	0.062	0.13	1.8
I078156		186.0	4.5	<0.002	0.06	7.54	3.8	3	1.9	22.5	<0.05	0.49	0.6	0.015	0.12	2.8
I078157		115.0	18.0	<0.002	0.03	4.48	3.8	4	1.8	32.4	0.13	0.26	0.7	0.067	0.14	2.0
I078158		165.5	970	0.002	0.30	2.74	3.4	1	3.2	50.0	1.93	0.15	2.0	0.086	7.74	0.7
I078159		10.3	10.8	<0.002	0.01	0.27	0.8	1	0.3	49.6	0.05	<0.05	0.2	0.024	0.06	0.2
I078160		101.5	0.9	<0.002	0.02	65.9	0.9	4	0.5	50.0	<0.05	1.32	<0.2	0.005	0.03	0.5
I078161		154.5	0.8	0.013	0.03	53.0	1.1	6	0.6	74.3	<0.05	2.20	<0.2	<0.005	0.15	0.6
I078162		29.9	14.6	<0.002	0.02	5.24	1.4	2	1.7	98.1	0.14	0.14	0.2	0.075	0.09	0.5
I078163		67.9	19.3	<0.002	0.15	57.8	1.5	6	2.0	101.5	0.13	2.00	0.3	0.055	0.16	0.4

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Project: RAU

CERTIFICATE OF ANALYSIS VA10148572

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	As- OG62
	Analyte	V	W	Y	Zn	Zr	As
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
I078128		30	284	16.8	491	15.9	1.710
I078129		76	21.7	28.8	887	42.3	1.115
I078130		44	40.1	15.3	550	28.7	
I078131		29	12.5	12.4	667	24.0	
I078132		23	7.0	10.3	362	18.2	
I078133		20	22.7	4.5	415	13.6	
I078134		3	0.2	0.6	15	<0.5	
I078135		1	3.4	0.3	29	<0.5	
I078136		7	37.9	6.8	207	2.6	
I078137		68	166.0	24.3	1180	43.7	1.330
I078138		21	62.1	16.2	1340	11.6	0.947
I078139		32	87.8	15.7	1060	22.7	1.005
I078140		17	28.0	10.9	521	11.7	
I078141		15	8.6	8.6	574	7.9	
I078142		13	3.8	6.2	113	8.7	
I078143		13	4.7	7.2	61	9.5	
I078144		15	52.1	7.9	216	11.8	
I078145		149	41.0	12.9	355	230	
I078146		30	640	15.8	1180	22.3	2.09
I078147		7	10.7	6.7	168	2.9	
I078148		41	34.3	18.0	943	35.0	
I078149		49	18.3	20.5	1680	32.2	2.25
I078150		49	56.7	31.6	2050	20.5	2.49
I078151		22	9.2	24.4	1500	13.0	1.365
I078152		2	0.2	0.9	19	<0.5	
I078153		25	81.7	18.9	672	13.4	1.390
I078154		48	8.9	12.0	1200	39.9	
I078155		20	7.2	10.5	1380	14.4	
I078156		21	9.4	17.0	1570	8.9	
I078157		28	7.2	19.1	1500	15.7	
I078158		22	9.0	3.6	147	64.1	
I078159		9	1.2	5.4	90	4.0	
I078160		16	8.3	8.4	355	1.7	
I078161		9	1070	12.9	409	1.6	
I078162		17	37.5	7.9	286	13.2	
I078163		16	19.9	10.8	305	12.7	

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Project: RAU

CERTIFICATE OF ANALYSIS VA10148572

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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Finalized Date: 28- OCT- 2010
Account: RCM

CERTIFICATE VA10148573

Project: RAU

P.O. No.: BATCH 103

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 12- OCT- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- 31	Fine crushing - 70% < 2mm
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
As- OG62	Ore Grade As - Four Acid	VARIABLE
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS VA10148573

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
I078164		5.36	0.12	2.26	0.66	465	440	0.27	1670	19.25	3.54	14.55	4.1	4	0.45	11.1
I078165		4.84	0.65	1.57	0.35	450	1520	0.32	3.38	25.3	1.22	9.58	1.9	8	0.80	3.5
I078166		4.42	1.61	4.13	3.12	>10000	>10000	4.50	113.0	2.47	11.65	81.3	15.4	73	7.11	52.4
I078167		3.00	6.08	5.65	0.86	>10000	1960	0.23	496	0.49	5.65	5.74	3.7	24	0.75	31.1
I078168		7.92	7.99	5.48	0.41	>10000	7430	0.05	519	1.53	5.70	10.55	1.7	15	0.41	12.0
I078169		4.42	8.64	1.87	0.39	>10000	4770	<0.05	2690	1.27	5.27	7.75	1.4	14	0.23	18.1
I078170		7.20	0.02	0.02	0.07	89	40	0.13	1.90	20.8	0.13	1.22	1.5	<1	0.14	3.4
I078171		2.58	3.01	1.53	0.98	>10000	1830	0.12	466	1.40	8.17	12.85	2.7	33	0.56	67.8
I078172		4.76	0.60	0.67	0.88	>10000	5270	0.18	732	1.41	5.44	23.8	3.8	14	0.28	226
I078173		3.46	0.48	0.91	1.11	>10000	2190	0.25	160.0	1.33	6.97	22.1	3.7	17	1.16	193.0
I078174		8.94	0.59	1.07	1.11	>10000	1890	0.23	74.9	0.87	7.14	17.45	4.2	15	0.57	77.6
I078175		1.46	0.70	1.53	1.50	>10000	1940	0.31	130.5	1.32	10.40	27.4	3.6	34	2.84	99.9
I078176		0.28	0.38	6.64	5.28	20.1	80	1.06	1.27	1.41	0.04	20.8	7.8	31	21.0	12.6
I078177		8.30	0.31	1.73	1.20	>10000	1340	0.45	259	1.25	16.30	44.0	6.2	25	2.83	44.5
I078178		6.64	0.14	0.47	0.05	2240	250	<0.05	525	20.3	1.39	18.90	1.4	<1	0.25	3.7
I078179		10.96	0.03	1.12	0.09	769	100	<0.05	526	19.25	3.11	28.0	1.0	<1	0.36	2.9
I078180		11.10	0.39	2.07	0.21	407	200	<0.05	261	20.9	3.65	13.05	1.1	<1	0.30	4.5
I078181		7.12	0.01	0.02	0.08	115	20	0.09	2.81	20.2	0.10	1.41	1.3	<1	0.27	2.6
I078182		10.52	0.01	0.46	0.11	164	30	0.10	12.90	18.90	1.20	8.16	0.9	<1	0.37	2.0
I078183		7.22	0.16	0.33	0.26	534	150	0.05	33.3	18.40	0.88	12.15	1.2	<1	0.66	2.2
I078184		10.00	4.06	0.26	0.57	2910	130	0.10	165.0	15.25	0.14	9.11	2.4	4	1.73	2.9
I078185		5.56	0.08	0.08	0.30	1080	30	0.05	76.8	18.65	0.12	8.29	1.6	2	1.09	3.0
I078186		0.26	8.32	22.2	5.26	7.6	30	1.35	1.05	1.44	0.04	6.37	8.0	35	56.5	18.1
I078187		8.38	0.05	0.10	0.51	901	110	0.17	970	18.75	0.14	7.53	2.7	4	1.37	1.7
I078188		11.20	0.04	0.03	0.14	1320	70	0.09	6.71	20.8	0.07	5.95	1.0	<1	0.42	1.0
I078189		1.64	0.01	0.05	0.08	711	20	<0.05	17.95	17.90	0.11	6.25	0.9	<1	0.30	0.9
I078190		9.96	0.07	0.13	0.09	623	20	<0.05	21.9	19.35	0.59	6.67	1.0	<1	0.36	1.5
I078191		4.78	0.14	0.10	0.09	619	20	<0.05	14.90	19.45	0.63	6.48	1.0	<1	0.36	1.5
I078192		11.78	0.06	0.67	0.08	768	10	<0.05	19.05	18.80	2.43	6.79	1.1	1	0.32	2.9
I078193		11.04	0.02	0.65	0.29	598	60	0.09	16.95	18.65	4.96	8.36	1.3	3	0.89	5.1
I078194		12.14	0.06	0.59	0.13	379	20	<0.05	44.5	18.00	3.61	10.05	2.6	<1	0.57	6.5
I078195		11.96	0.01	0.25	0.23	88	10	0.14	4.97	18.85	1.44	9.46	1.2	1	0.68	7.1
I078196		12.50	0.02	0.36	0.38	146	20	0.18	47.2	18.00	0.75	9.48	1.6	5	0.89	7.6
I078197		12.80	0.07	0.15	0.07	2100	10	<0.05	46.8	18.00	0.68	7.83	1.0	<1	0.40	18.5
I078198		12.84	0.09	0.09	0.12	1030	20	<0.05	23.9	19.20	0.25	10.50	0.8	<1	0.64	4.8
I078199		14.72	0.11	0.91	0.13	1745	10	<0.05	402	9.94	0.90	7.18	3.6	<1	0.39	4.9

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 28- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10148573

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I078164		10.15	3.85	0.18	0.4	0.207	0.26	5.1	2.9	5.90	7090	0.44	0.01	1.3	12.0	180
I078165		1.15	1.17	0.05	0.2	0.024	0.14	7.0	3.5	7.00	837	0.23	0.01	1.9	4.4	140
I078166		33.7	10.65	0.47	0.8	0.346	1.04	53.0	11.8	0.75	3650	3.99	0.17	5.3	62.4	1240
I078167		>50	5.57	0.82	0.6	0.125	0.22	3.7	0.8	0.25	374	6.34	0.05	2.6	18.8	670
I078168		47.0	2.36	0.80	0.3	0.099	0.16	5.9	1.0	0.09	537	4.11	0.15	2.6	6.9	320
I078169		>50	3.41	0.85	0.3	0.333	0.12	3.9	1.1	0.09	1020	6.07	0.08	2.0	5.6	470
I078170		0.55	0.33	0.16	<0.1	<0.005	0.03	0.6	1.4	12.95	218	0.26	0.01	0.3	2.0	180
I078171		49.4	7.79	0.89	0.4	0.465	0.29	7.9	1.1	0.11	1200	4.83	0.03	2.2	12.3	610
I078172		46.7	5.97	0.72	0.3	0.460	0.28	14.2	2.3	0.09	3320	1.78	0.09	1.6	11.4	670
I078173		46.5	6.77	0.74	0.4	0.284	0.25	13.6	1.7	0.10	2790	1.85	0.03	2.0	15.2	610
I078174		47.9	5.38	0.77	0.3	0.256	0.23	8.6	1.4	0.12	2920	2.18	0.03	1.7	17.8	510
I078175		45.1	6.24	0.64	0.4	0.376	0.39	16.3	1.6	0.14	2500	2.47	0.03	2.0	18.3	680
I078176		2.23	14.90	0.11	1.6	0.021	3.56	12.4	7.1	0.65	315	9.62	1.24	2.3	7.7	470
I078177		45.7	7.90	0.80	0.4	0.648	0.41	25.9	3.2	0.14	4020	2.61	0.02	2.3	26.0	770
I078178		9.83	0.80	0.19	0.1	0.081	0.01	8.3	2.0	7.88	6730	0.18	<0.01	0.5	3.0	100
I078179		6.88	1.03	0.15	0.1	0.084	0.02	15.1	2.4	10.15	6660	0.14	<0.01	0.6	2.5	170
I078180		7.31	1.70	0.13	0.2	0.105	0.04	5.5	2.3	9.11	7350	0.20	<0.01	0.9	3.1	130
I078181		0.57	0.29	0.08	<0.1	0.006	0.03	0.7	1.1	12.40	246	0.12	<0.01	0.3	3.6	180
I078182		4.93	1.02	0.11	0.1	0.084	0.02	2.9	2.2	10.20	5230	0.05	<0.01	0.4	2.9	80
I078183		8.76	2.22	0.14	0.2	0.091	0.08	5.3	2.4	9.22	5300	0.11	<0.01	1.2	3.8	210
I078184		12.70	3.85	0.19	0.4	0.060	0.11	3.9	3.0	8.47	4450	0.07	<0.01	2.5	8.6	260
I078185		6.77	2.19	0.13	0.2	0.051	0.07	3.7	2.7	10.40	3680	0.06	<0.01	1.5	5.8	120
I078186		2.12	13.45	0.12	0.9	0.025	3.62	2.6	18.6	0.64	306	16.50	1.17	1.8	14.1	650
I078187		5.34	3.07	0.10	0.4	0.036	0.17	4.2	3.0	10.80	2160	0.09	0.01	1.8	6.8	230
I078188		2.60	0.94	0.07	0.1	0.037	0.06	4.1	2.4	11.65	2020	0.05	<0.01	0.8	2.9	80
I078189		5.47	0.82	0.11	<0.1	0.080	0.04	2.7	1.8	9.41	4110	0.05	<0.01	0.4	2.0	70
I078190		4.99	0.92	0.11	0.1	0.082	0.03	3.0	2.2	10.30	3730	<0.05	<0.01	0.4	2.3	70
I078191		5.08	0.89	0.10	0.1	0.079	0.03	2.9	2.0	10.30	3800	<0.05	<0.01	0.4	2.4	70
I078192		6.32	0.83	0.12	0.1	0.128	0.03	2.8	1.6	9.78	4450	<0.05	<0.01	0.4	2.8	60
I078193		6.23	1.99	0.11	0.2	0.272	0.13	3.7	1.9	10.00	5220	0.13	<0.01	1.7	4.0	120
I078194		7.72	1.20	0.13	0.1	0.079	0.04	4.4	1.7	9.63	5210	0.10	<0.01	0.6	7.2	150
I078195		4.25	1.63	0.11	0.1	0.173	0.03	3.5	2.6	10.35	5380	0.12	0.01	0.8	4.3	110
I078196		5.75	2.42	0.11	0.3	0.144	0.06	3.6	3.1	9.75	4820	0.05	0.02	1.0	5.6	200
I078197		7.77	0.73	0.14	0.1	0.153	0.02	3.0	1.5	9.59	3840	0.06	<0.01	0.4	2.3	70
I078198		6.04	1.00	0.12	0.1	0.134	0.04	4.4	2.1	9.81	4900	<0.05	<0.01	0.5	2.0	80
I078199		21.4	1.03	0.34	0.1	0.182	0.02	3.2	0.8	5.31	2800	0.06	<0.01	0.8	8.3	70

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 28- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10148573

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I078164		92.1	13.9	0.002	0.04	24.9	2.1	3	3.1	78.5	0.06	0.89	<0.2	0.032	0.15	0.6
I078165		13.0	9.6	<0.002	0.04	1.80	1.2	2	0.4	32.8	0.10	<0.05	0.4	0.039	0.10	0.3
I078166		204	78.0	0.003	0.40	55.2	9.9	4	2.9	62.2	0.26	0.35	3.0	0.129	0.99	6.7
I078167		268	20.0	<0.002	0.07	43.8	0.8	9	3.3	17.9	0.11	0.49	1.8	0.034	0.23	4.0
I078168		73.5	9.0	<0.002	0.22	67.5	0.6	4	1.2	43.4	0.09	0.81	0.9	0.025	0.22	6.3
I078169		434	5.1	0.003	0.31	445	1.0	5	1.3	73.8	<0.05	1.96	1.3	0.030	0.28	3.2
I078170		1.9	1.3	<0.002	0.01	0.30	0.5	1	<0.2	42.2	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
I078171		97.6	15.1	0.002	0.19	239	3.1	3	1.0	94.7	0.06	0.66	2.3	0.041	0.39	4.1
I078172		245	10.2	<0.002	0.45	89.4	3.3	4	0.7	271	<0.05	1.01	1.1	0.029	0.63	4.0
I078173		51.2	8.4	<0.002	0.20	79.1	2.6	4	0.8	111.5	0.05	0.76	1.4	0.045	0.35	4.1
I078174		19.5	13.3	<0.002	0.11	30.4	1.6	2	1.8	52.3	<0.05	0.54	1.0	0.021	0.18	3.2
I078175		86.0	18.2	0.002	0.18	60.5	2.7	3	1.2	123.5	0.09	0.95	2.4	0.058	0.44	3.9
I078176		14.3	820	<0.002	0.01	0.73	6.6	1	1.2	59.1	0.23	<0.05	1.3	0.260	6.60	0.7
I078177		109.5	16.4	0.002	0.29	59.1	7.7	4	1.1	156.5	0.08	1.18	3.6	0.051	0.60	5.2
I078178		82.5	1.2	0.003	0.03	10.00	0.4	2	0.5	83.2	<0.05	0.50	<0.2	<0.005	0.14	0.6
I078179		88.2	1.5	<0.002	0.05	8.25	0.7	2	0.7	108.0	<0.05	0.50	0.2	0.009	0.06	0.6
I078180		160.5	4.1	<0.002	0.22	4.37	0.6	2	1.0	120.0	<0.05	0.21	<0.2	0.017	0.08	0.6
I078181		2.3	1.7	<0.002	0.01	0.18	0.3	1	0.2	39.6	<0.05	<0.05	<0.2	<0.005	0.02	0.8
I078182		64.2	1.7	0.002	0.25	0.68	0.7	2	0.5	103.5	<0.05	<0.05	<0.2	0.007	0.05	0.3
I078183		29.4	9.7	<0.002	0.25	1.15	0.9	2	0.9	114.5	0.06	0.09	<0.2	0.027	0.08	0.5
I078184		5.4	13.3	<0.002	1.96	2.98	1.0	2	1.6	99.6	0.13	0.21	0.3	0.064	0.17	0.7
I078185		5.6	12.6	<0.002	1.76	1.82	0.8	2	1.0	101.0	0.07	0.13	<0.2	0.035	0.09	0.3
I078186		6.0	1540	<0.002	0.03	0.80	6.5	2	1.2	55.2	0.19	<0.05	0.6	0.248	14.25	0.3
I078187		5.6	17.3	<0.002	0.70	12.65	0.7	2	1.0	67.8	0.11	0.59	0.3	0.038	0.12	0.4
I078188		3.0	5.1	<0.002	0.44	1.13	0.5	1	0.5	78.4	<0.05	<0.05	<0.2	0.016	0.06	0.2
I078189		3.7	3.6	<0.002	1.54	0.87	0.2	1	0.5	117.0	<0.05	<0.05	<0.2	<0.005	0.05	0.1
I078190		36.3	4.3	<0.002	1.41	0.88	0.3	1	0.8	112.0	<0.05	0.05	<0.2	0.007	0.06	0.1
I078191		29.3	4.3	<0.002	1.37	0.85	0.2	2	0.7	113.0	<0.05	<0.05	<0.2	0.007	0.06	0.1
I078192		110.5	3.9	<0.002	2.98	0.89	0.2	1	0.8	122.5	<0.05	0.07	<0.2	0.005	0.04	0.1
I078193		98.1	19.2	<0.002	2.50	1.30	0.5	2	3.1	109.0	0.09	<0.05	<0.2	0.023	0.18	0.4
I078194		92.4	4.5	0.009	4.42	1.80	0.6	1	1.1	114.5	<0.05	0.07	<0.2	0.011	0.32	0.6
I078195		66.3	4.8	0.003	0.83	0.98	0.8	2	1.9	104.5	<0.05	<0.05	<0.2	0.020	0.20	0.9
I078196		42.8	7.8	<0.002	3.02	1.00	1.1	2	2.4	110.0	0.05	0.09	<0.2	0.031	0.14	0.8
I078197		29.7	1.7	<0.002	6.41	1.68	0.6	3	0.5	116.0	<0.05	0.10	<0.2	0.005	0.10	0.3
I078198		12.2	4.4	<0.002	3.51	1.39	0.5	2	0.7	130.0	<0.05	<0.05	<0.2	0.009	0.08	0.4
I078199		57.2	1.8	<0.002	>10.0	7.09	0.3	4	0.8	58.3	<0.05	0.56	<0.2	0.008	0.05	0.5

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Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	As- OG62 As % 0.001
I078164		17	254	16.3	599	12.6	
I078165		8	9.6	6.9	184	7.7	
I078166		85	391	41.6	2930	33.5	1.590
I078167		21	168.0	6.4	1080	20.9	1.155
I078168		10	68.9	5.9	546	9.7	4.72
I078169		16	372	6.0	901	15.6	4.02
I078170		<1	0.5	0.9	20	<0.5	
I078171		32	226	8.2	1040	17.9	6.55
I078172		44	206	15.7	2190	13.9	5.76
I078173		50	216	19.3	2330	16.9	4.88
I078174		32	90.8	16.5	2070	13.3	3.44
I078175		49	163.5	21.8	2820	14.4	4.73
I078176		57	0.5	11.3	31	52.1	
I078177		40	332	26.8	3080	16.5	4.30
I078178		6	590	22.0	426	1.9	
I078179		8	214	23.5	442	3.3	
I078180		10	268	16.8	643	7.2	
I078181		3	3.1	0.9	22	<0.5	
I078182		6	48.2	9.9	272	3.3	
I078183		9	138.0	12.1	143	9.0	
I078184		13	218	9.8	37	16.7	
I078185		13	54.3	9.1	28	10.1	
I078186		54	0.4	8.7	29	34.5	
I078187		17	9.3	7.2	28	14.4	
I078188		9	20.2	5.1	24	4.0	
I078189		5	29.6	6.4	32	1.9	
I078190		6	196.0	6.3	134	2.6	
I078191		7	164.5	6.1	139	2.8	
I078192		5	42.8	7.3	411	2.2	
I078193		9	32.9	8.0	901	8.4	
I078194		7	1270	11.5	715	4.6	
I078195		7	70.6	8.9	332	5.4	
I078196		10	15.3	9.3	191	11.2	
I078197		6	2.6	7.7	154	2.7	
I078198		7	2.4	9.7	65	3.7	
I078199		6	5.9	6.8	166	5.4	

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 28- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10148573

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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CERTIFICATE VA10148574

Project: RAU

P.O. No.: BATCH 104

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 12- OCT- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% < 2mm
LOG- 23	Pulp Login - Rcvd with Barcode
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
Ag- OG62	Ore Grade Ag - Four Acid	VARIABLE
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
As- OG62	Ore Grade As - Four Acid	VARIABLE
ME- XRF05	Trace Level XRF Analysis	XRF
Au- AA26	Ore Grade Au 50g FA AA finish	AAS
Au- GRA22	Au 50 g FA- GRAV finish	WST- SIM

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 27- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10148574

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	Au- GRA22 Au ppm 0.05	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05
I078200		6.48	0.02		0.18	0.34	169	30	0.15	46.0	18.50	0.27	14.50	1.3	2	0.71
I078201		12.36	0.05		0.12	0.73	1220	70	0.15	15.25	19.05	0.63	12.20	1.7	6	2.79
I078202		7.46	0.38		0.49	0.54	3120	20	0.06	1760	8.22	6.66	5.95	3.0	5	0.89
I078203		12.98	0.61		0.61	0.18	1040	20	<0.05	81.7	14.05	3.36	8.79	2.4	8	0.49
I078204		7.52	<0.01		0.02	0.10	<5	20	0.06	5.66	21.3	0.11	1.52	1.5	<1	0.32
I078205		7.02	0.11		0.12	0.20	938	30	<0.05	374	13.10	0.10	6.11	4.4	8	0.48
I078206		5.76	0.01		0.12	1.18	114	330	0.38	3.63	29.1	0.51	19.95	3.3	35	1.22
I078207		4.30	0.03		0.36	1.20	366	600	0.42	10.35	26.0	1.57	12.20	4.1	34	2.07
I078208		6.18	0.08		0.58	1.22	546	820	0.43	8.07	28.7	1.37	13.95	4.9	37	1.95
I078209		3.12	0.12		0.67	1.24	584	860	0.46	9.29	28.4	1.43	14.15	5.3	33	1.87
I078210		6.38	0.20		0.64	1.13	678	680	0.37	5.51	28.4	1.39	19.15	4.1	34	1.68
I078211		5.92	0.12		1.43	1.35	1640	1210	0.40	731	23.6	2.16	71.1	6.2	22	1.93
I078212		8.50	0.08		3.21	1.59	6520	1320	0.44	774	0.39	5.33	23.1	6.9	45	1.24
I078213		3.90	0.12		4.99	0.86	9290	1890	0.28	529	0.31	1.03	9.02	2.0	23	0.61
I078214		7.00	4.56		60.4	0.41	>10000	2500	0.08	2070	0.41	2.41	7.48	1.8	14	0.37
I078215		0.26	3.01		1.81	6.12	1835	340	1.18	4.21	1.93	1.16	33.3	44.9	578	4.97
I078216		4.16	>100	164.0	>100	0.50	>10000	4200	0.06	>10000	0.58	0.31	34.6	0.3	21	0.14
I078217		8.70	3.59		1.42	0.23	>10000	1560	0.06	479	0.80	3.30	29.9	3.1	13	0.32
I078218		7.28	0.38		0.28	0.06	178	70	<0.05	20.1	18.50	0.07	1.21	1.2	4	0.26
I078219		7.56	0.67		1.31	0.54	>10000	970	0.20	167.0	0.84	6.25	63.4	4.0	11	0.66
I078220		6.32	1.28		4.16	0.69	>10000	880	0.39	143.0	0.79	15.70	38.4	5.4	10	1.03
I078221		9.96	1.95		3.57	2.78	>10000	1250	1.30	559	0.53	16.70	60.3	14.3	49	6.73
I078222		7.64	0.50		1.79	2.33	>10000	860	0.82	95.0	1.11	10.40	30.8	7.2	28	2.74
I078223		8.12	0.32		0.93	1.12	>10000	390	0.69	20.4	0.43	10.05	29.4	5.9	18	2.12
I078224		9.44	0.15		0.81	0.75	>10000	500	0.49	76.7	0.48	11.10	31.6	5.9	16	0.91
I078225		8.98	0.14		1.90	0.76	>10000	520	0.41	267	0.64	12.50	47.0	4.1	16	0.60
I078226		0.26	8.43		22.4	4.89	32.7	40	1.26	2.01	1.39	0.06	5.95	8.5	43	52.3
I078227		7.24	0.44		3.00	0.31	5990	280	0.15	947	13.05	4.11	28.2	3.7	3	0.61
I078228		1.86	0.33		1.68	0.37	8940	410	0.31	728	7.33	5.67	31.5	4.6	4	0.16
I078229		7.48	0.20		2.29	0.33	1580	1630	0.13	774	16.70	4.51	13.30	2.4	4	1.18
I078230		10.50	0.08		0.71	0.09	346	270	0.05	25.5	17.45	2.36	7.04	1.4	3	0.24
I078231		5.16	0.12		3.10	0.13	1110	300	0.12	23.2	16.05	3.94	7.16	2.9	1	0.34
I078232		8.68	0.13		29.3	0.18	470	2390	0.08	853	14.90	9.24	8.98	4.6	3	0.39
I078233		7.00	0.03		0.85	0.16	613	100	0.09	32.2	14.70	2.35	8.96	2.0	4	0.24
I078234		10.68	0.01		1.20	0.10	258	50	0.05	11.85	16.55	4.13	9.38	1.9	3	0.28
I078235		10.86	0.03		2.51	0.16	470	30	0.09	18.15	16.25	7.64	8.25	2.8	8	0.65

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 27- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10148574

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
I078200		4.9	5.61	2.07	0.12	0.2	0.117	0.10	6.7	3.2	10.15	4640	0.07	<0.01	1.1	3.6
I078201		6.3	6.26	4.33	0.10	0.5	0.145	0.32	4.9	3.5	9.70	5110	0.08	0.01	3.0	8.7
I078202		9.6	25.8	3.50	0.39	0.5	0.061	0.11	2.6	0.9	4.23	2690	0.17	0.01	1.8	9.0
I078203		9.1	12.75	1.36	0.19	0.2	0.100	0.05	4.0	2.0	7.68	3800	0.16	0.02	0.7	5.3
I078204		5.0	0.52	0.37	0.16	<0.1	0.006	0.04	0.8	1.2	12.75	238	0.11	0.01	0.2	5.2
I078205		7.2	15.35	1.24	0.23	0.2	0.037	0.04	3.1	2.2	7.44	1960	0.14	0.02	0.9	10.0
I078206		2.8	1.74	3.37	0.07	0.4	0.020	0.57	14.5	2.5	0.34	230	0.16	0.02	9.1	12.0
I078207		3.9	3.38	5.28	0.08	0.6	0.031	0.51	8.8	5.0	2.12	1200	0.43	0.02	7.8	13.4
I078208		6.7	3.56	5.58	0.08	0.7	0.034	0.51	9.5	3.2	0.94	1900	0.64	0.02	7.4	13.5
I078209		7.0	3.92	5.56	0.09	0.7	0.032	0.53	9.8	3.2	1.03	2020	0.68	0.02	7.1	14.8
I078210		7.3	2.82	4.75	0.08	0.6	0.082	0.48	12.7	4.2	1.76	2390	0.51	0.03	5.7	11.0
I078211		5.8	7.55	7.44	0.19	0.6	0.158	0.57	37.5	3.5	0.34	7930	1.54	0.02	5.9	17.3
I078212		8.3	48.5	7.23	0.73	0.7	0.131	0.69	11.4	4.2	0.24	6410	8.87	0.04	2.4	26.7
I078213		4.9	46.5	5.60	0.74	0.4	0.079	0.36	3.8	1.7	0.13	364	9.31	0.02	1.9	11.9
I078214		11.2	46.1	3.11	0.74	0.4	0.136	0.20	4.2	2.2	0.12	170	7.14	0.03	2.0	6.9
I078215		1010	7.94	17.25	0.17	6.3	0.135	1.24	17.9	26.5	2.25	757	6.39	0.76	3.4	458
I078216		5.5	10.95	4.00	0.25	1.5	0.271	0.03	21.0	1.9	0.19	44	2.24	0.06	5.5	1.3
I078217		13.2	45.8	2.43	0.87	0.3	0.494	0.12	19.3	0.7	0.10	1480	4.17	0.01	1.5	13.7
I078218		1.8	0.52	0.20	<0.05	<0.1	<0.005	0.03	0.6	1.1	11.55	205	0.13	0.01	0.3	<0.2
I078219		16.9	43.9	4.68	0.66	0.2	0.385	0.21	38.7	1.4	0.18	3250	1.45	0.01	1.3	15.0
I078220		38.1	45.6	3.84	0.83	0.2	0.315	0.14	19.7	1.2	0.14	5670	1.78	<0.01	1.5	17.4
I078221		51.6	35.9	10.15	0.72	0.8	0.286	0.97	33.7	12.8	0.54	4460	3.05	0.01	4.7	66.8
I078222		39.9	34.6	7.39	0.55	0.5	0.222	0.41	18.6	5.0	0.38	4000	2.26	0.47	3.4	24.1
I078223		33.4	45.6	3.98	0.82	0.2	0.171	0.26	20.0	3.1	0.17	3900	1.34	<0.01	2.1	23.4
I078224		37.8	46.8	3.72	0.73	0.1	0.302	0.09	19.7	1.0	0.10	3510	1.66	<0.01	1.5	23.1
I078225		38.1	46.4	4.73	0.84	0.2	0.449	0.05	26.4	0.8	0.13	2370	1.97	<0.01	1.5	16.5
I078226		18.3	2.08	14.65	0.10	0.9	0.020	3.32	2.7	18.5	0.59	294	21.0	1.07	1.8	13.3
I078227		19.8	23.8	2.29	0.37	0.2	0.272	0.06	14.8	0.7	1.44	7630	1.26	0.01	1.0	9.5
I078228		14.4	37.5	1.72	0.58	0.3	0.201	0.01	16.9	0.5	1.00	4560	1.71	0.01	0.9	16.0
I078229		7.7	10.50	2.50	0.17	0.2	0.147	0.13	5.7	1.3	5.82	7590	0.46	0.02	1.2	4.8
I078230		3.8	5.48	0.71	0.10	0.1	0.085	0.01	3.8	1.8	9.08	3780	0.20	0.01	0.5	0.6
I078231		20.1	7.31	0.99	0.12	0.1	0.130	0.02	3.7	2.2	8.91	3220	0.43	0.02	0.6	5.3
I078232		50.6	8.96	1.37	0.14	0.1	0.159	0.03	4.5	2.0	8.74	4170	0.19	0.03	0.6	10.0
I078233		3.1	11.20	1.26	0.18	0.1	0.092	0.03	3.8	1.7	8.26	3970	0.05	0.01	0.7	2.5
I078234		6.6	5.68	0.79	0.11	0.1	0.082	0.01	4.6	2.1	10.00	3180	0.11	0.02	0.4	1.0
I078235		17.1	5.77	1.26	0.10	0.1	0.267	0.03	4.1	2.0	9.89	4680	0.14	0.02	0.4	4.3

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Finalized Date: 27- OCT- 2010
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Project: RAU

CERTIFICATE OF ANALYSIS VA10148574

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02
I078200		160	21.6	9.9	0.003	3.05	1.36	0.8	2	1.9	113.5	0.06	0.09	<0.2	0.028	0.18
I078201		360	24.5	40.7	<0.002	3.04	0.94	1.4	1	2.6	106.5	0.16	<0.05	0.2	0.080	0.28
I078202		200	96.1	13.9	<0.002	>10.0	23.0	0.5	8	1.9	44.4	0.09	2.01	0.3	0.043	0.39
I078203		120	115.0	6.2	0.006	>10.0	2.38	0.9	3	1.3	89.1	<0.05	0.12	<0.2	0.014	0.20
I078204		180	3.7	2.3	<0.002	0.05	0.15	0.4	2	<0.2	44.9	<0.05	<0.05	<0.2	<0.005	0.02
I078205		180	8.6	6.5	<0.002	>10.0	6.65	0.8	4	0.7	66.8	<0.05	0.42	0.2	0.016	0.11
I078206		380	6.7	32.5	<0.002	0.05	0.95	2.9	1	0.6	134.5	0.48	<0.05	1.4	0.171	0.13
I078207		380	5.9	30.9	<0.002	0.04	1.97	2.8	1	1.9	30.1	0.45	0.09	1.9	0.141	0.26
I078208		350	33.2	36.7	<0.002	0.02	2.32	3.2	1	2.3	19.1	0.42	0.17	1.7	0.147	0.31
I078209		350	42.0	36.7	<0.002	0.02	2.63	3.2	2	2.2	20.2	0.42	0.19	1.7	0.150	0.32
I078210		330	21.9	29.3	<0.002	0.01	1.73	3.3	1	2.3	38.7	0.31	0.08	1.1	0.145	0.22
I078211		490	33.8	39.5	<0.002	0.01	21.9	4.2	2	5.8	25.0	0.33	0.93	1.4	0.145	0.45
I078212		1030	170.0	35.7	<0.002	0.04	19.20	3.7	1	3.7	11.1	0.14	1.10	1.6	0.099	0.27
I078213		350	64.2	25.1	<0.002	0.08	12.90	2.5	3	2.2	12.4	0.06	1.18	1.4	0.040	0.11
I078214		250	1990	13.3	<0.002	0.36	48.5	1.0	6	2.6	140.0	0.07	2.50	0.4	0.027	0.28
I078215		350	221	75.4	0.002	1.37	184.0	21.5	2	3.2	127.5	0.33	1.45	5.0	0.217	0.87
I078216		280	2260	1.3	<0.002	0.22	442	0.8	33	19.5	123.5	0.25	14.65	0.8	0.136	0.15
I078217		290	143.0	10.2	<0.002	0.11	42.6	1.3	6	3.9	30.3	<0.05	1.66	0.5	0.019	0.27
I078218		170	6.4	2.1	<0.002	0.01	1.26	0.3	1	0.2	41.9	<0.05	<0.05	<0.2	<0.005	<0.02
I078219		360	159.5	20.3	<0.002	0.25	13.65	1.5	5	1.9	74.5	<0.05	0.27	0.5	0.016	0.28
I078220		470	252	10.8	0.003	0.05	7.73	2.1	4	9.1	22.5	<0.05	0.17	0.4	0.015	0.21
I078221		570	529	57.8	0.004	0.02	59.9	8.0	3	4.7	19.0	0.23	0.67	2.7	0.139	1.22
I078222		540	151.0	22.4	<0.002	0.04	22.1	5.8	3	1.7	80.7	0.17	0.41	1.7	0.097	0.42
I078223		370	38.9	14.4	<0.002	0.02	7.08	3.5	2	0.7	18.3	0.07	0.23	1.0	0.032	0.20
I078224		350	43.1	7.9	<0.002	0.03	8.32	3.0	2	0.4	21.1	<0.05	0.42	0.9	0.012	0.18
I078225		440	64.1	6.2	0.002	0.05	10.60	3.5	4	1.0	26.0	<0.05	0.72	1.2	0.010	0.29
I078226		600	5.7	1450	<0.002	0.02	0.91	7.2	1	1.1	56.7	0.20	<0.05	0.5	0.235	12.65
I078227		360	167.0	10.7	0.003	0.03	17.75	1.4	4	3.2	34.2	<0.05	0.72	0.5	0.016	0.21
I078228		240	306	1.2	<0.002	0.08	24.6	2.6	4	0.6	25.0	<0.05	0.60	0.2	<0.005	0.07
I078229		180	229	26.8	<0.002	0.11	11.35	1.7	2	2.1	104.5	0.06	0.49	<0.2	0.026	0.26
I078230		60	95.3	2.2	<0.002	0.08	1.28	0.6	1	0.7	68.9	<0.05	0.05	<0.2	0.007	0.10
I078231		130	223	2.7	<0.002	0.15	2.99	0.6	2	1.1	62.9	<0.05	0.07	<0.2	0.009	0.23
I078232		100	387	4.0	<0.002	0.63	14.80	1.0	2	2.3	81.6	<0.05	0.64	<0.2	0.011	0.20
I078233		140	109.0	5.0	<0.002	0.91	1.60	0.8	2	1.1	89.3	<0.05	0.08	<0.2	0.011	0.07
I078234		100	119.5	1.5	<0.002	1.34	0.82	0.7	2	0.6	73.4	<0.05	0.05	<0.2	0.005	0.06
I078235		90	167.5	5.2	0.004	0.62	1.91	0.7	1	3.1	62.4	<0.05	0.13	<0.2	0.006	0.29

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 27- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10148574

Sample Description	Method Analyte Units LOR	ME- MS61 U ppm 0.1	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Ag- OG62 Ag ppm 1	As- OG62 As % 0.001	ME- XRF05 Bi ppm 4	ME- XRF05 W ppm 10
I078200		0.7	10	154.0	8.4	74	9.4				
I078201		0.9	20	8.1	12.0	154	18.7				
I078202		1.7	12	4.5	7.5	858	17.3				
I078203		0.4	5	680	9.2	512	6.5				
I078204		0.9	4	1.3	1.0	24	0.6				
I078205		0.4	5	171.5	6.0	24	8.4				
I078206		0.2	27	1.6	9.7	54	14.2				
I078207		0.5	28	3.7	9.9	114	23.8				
I078208		0.6	30	4.7	10.1	218	25.4				
I078209		0.6	32	5.4	10.0	244	26.0				
I078210		0.6	29	4.1	12.9	237	22.4				
I078211		1.0	30	6.6	31.2	302	23.9				
I078212		2.9	40	78.9	30.9	528	24.5				
I078213		3.0	20	7.4	9.3	207	13.4				
I078214		2.8	11	37.0	2.8	534	16.8		1.890		
I078215		1.6	141	37.7	13.6	345	264				
I078216		2.4	15	163.5	2.0	38	62.4	124	7.37	>10000	180
I078217		1.3	17	19.3	11.5	2170	12.0		4.88		
I078218		0.5	1	0.5	0.8	16	0.5				
I078219		4.5	28	13.6	23.0	1810	9.0		3.79		
I078220		5.6	14	332	39.9	2880	6.5		2.88		
I078221		4.8	54	395	44.4	4030	28.0		1.645		
I078222		3.7	44	182.5	26.9	1940	17.3		2.11		
I078223		3.4	17	44.7	31.1	2130	7.5		2.05		
I078224		3.8	16	53.5	26.6	2730	5.2		2.18		
I078225		5.1	15	117.5	35.4	2080	11.4		2.65		
I078226		0.3	50	0.5	8.0	31	33.2				
I078227		2.1	9	395	30.6	1730	10.8				
I078228		3.3	8	102.0	38.5	4280	20.9				
I078229		0.7	9	92.9	20.4	1060	8.2				
I078230		0.3	4	37.3	7.3	484	3.0				
I078231		0.4	6	7.1	6.4	901	4.4				
I078232		0.4	7	25.3	8.7	1880	5.8				
I078233		0.4	4	161.0	7.8	534	5.7				
I078234		0.2	5	16.7	7.9	716	2.1				
I078235		0.5	6	470	7.6	1250	3.3				

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 27- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10148574

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

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Finalized Date: 26- OCT- 2010
Account: RCM

CERTIFICATE VA10148575

Project: RAU

P.O. No.: BATCH 105

This report is for 18 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 12- OCT- 2010.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% < 2mm
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- QC	Crushing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
ME- XRF05	Trace Level XRF Analysis	XRF
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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North Vancouver BC V7H 0A7
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 26- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10148575

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
I078236		10.02	0.04	4.41	0.21	578	30	0.06	173.5	14.60	6.21	9.88	3.9	24	0.52	13.2
I078237		11.50	<0.01	0.37	0.05	132	20	<0.05	15.30	17.10	1.62	13.45	1.3	3	0.49	9.9
I078238		12.24	<0.01	0.15	0.15	116	10	<0.05	42.8	17.75	0.56	24.1	1.2	3	0.40	9.8
I078239		5.84	0.01	0.14	0.13	122	10	0.05	72.0	17.70	0.52	27.4	1.1	2	0.41	13.7
I078240		12.08	0.32	0.28	0.06	119	10	<0.05	34.3	16.95	1.57	8.60	1.4	1	0.49	27.6
I078241		12.78	0.46	0.40	0.08	448	10	<0.05	89.4	12.50	0.77	10.80	4.6	<1	0.34	11.7
I078242		13.10	1.18	2.31	0.27	609	10	0.10	206	13.00	2.19	8.59	6.1	3	0.62	61.8
I078243		0.26	2.95	1.69	6.23	1840	340	1.19	2.96	1.95	1.07	37.5	49.2	557	5.36	1025
I078244		13.00	0.75	0.52	0.08	726	10	<0.05	165.0	14.05	1.98	9.35	4.7	1	0.40	35.9
I078245		12.62	1.09	0.43	0.10	191	10	0.06	58.7	16.50	0.96	10.05	3.4	<1	0.65	44.2
I078246		12.86	1.09	1.21	0.16	184	10	0.07	81.2	16.20	2.42	11.90	4.8	1	0.51	15.6
I078247		9.64	0.06	1.06	0.18	184	10	0.11	74.8	16.95	3.01	11.70	2.0	1	0.93	5.3
I078248		3.94	0.68	2.75	0.30	2510	10	0.09	>10000	3.85	8.17	4.88	23.9	4	0.17	28.2
I078249		7.14	<0.01	0.01	0.06	<5	10	0.05	40.0	19.15	0.09	1.26	1.3	1	0.19	1.7
I078250		4.88	0.02	1.02	0.29	113	30	0.10	137.5	17.35	2.88	7.95	2.5	3	0.83	6.0
I078251		10.30	0.15	0.71	0.84	1510	80	0.30	354	9.87	1.20	7.87	24.4	12	2.49	16.0
I078252		10.30	0.03	0.21	1.87	48	220	0.82	14.95	16.20	0.64	18.05	7.7	29	8.66	7.2
I078253		5.94	0.01	0.05	0.09	15	80	0.25	3.11	18.65	0.22	12.50	1.3	3	0.30	1.4

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 26- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10148575

Sample Description	Method Analyte Units LOR	ME- MS61 Fe % 0.01	ME- MS61 Ga ppm 0.05	ME- MS61 Ge ppm 0.05	ME- MS61 Hf ppm 0.1	ME- MS61 In ppm 0.005	ME- MS61 K % 0.01	ME- MS61 La ppm 0.5	ME- MS61 Li ppm 0.2	ME- MS61 Mg % 0.01	ME- MS61 Mn ppm 5	ME- MS61 Mo ppm 0.05	ME- MS61 Na % 0.01	ME- MS61 Nb ppm 0.1	ME- MS61 Ni ppm 0.2	ME- MS61 P ppm 10
I078236		10.05	1.74	0.17	0.2	0.236	0.03	4.3	1.8	8.59	4830	0.15	0.02	0.7	7.3	130
I078237		3.98	0.65	0.09	0.1	0.107	0.01	6.4	2.3	10.00	4300	0.10	0.01	0.3	<0.2	80
I078238		3.87	1.42	0.10	0.1	0.102	0.02	15.0	2.6	10.15	4390	0.13	0.02	0.7	<0.2	130
I078239		3.70	1.16	0.05	0.1	0.101	0.02	14.8	2.9	10.15	4300	0.15	0.02	0.6	2.0	120
I078240		4.05	0.71	0.05	0.1	0.099	0.01	3.1	2.5	9.76	4740	0.19	0.01	0.4	2.2	90
I078241		7.94	0.76	0.10	0.1	0.047	0.01	5.2	1.6	7.12	3790	0.07	0.01	0.4	7.2	90
I078242		10.85	2.20	0.16	0.2	0.187	0.04	3.3	2.3	7.36	4960	0.10	0.03	1.0	11.8	170
I078243		7.94	17.20	0.43	6.1	0.130	1.25	18.3	31.8	2.30	769	6.32	0.77	3.4	464	360
I078244		10.55	0.89	0.15	0.1	0.121	0.01	3.5	2.4	8.09	5310	0.07	0.01	0.5	8.1	90
I078245		6.00	1.09	0.07	0.1	0.133	0.02	3.7	2.8	9.47	5120	0.10	0.02	0.5	5.6	110
I078246		6.64	1.40	0.09	0.1	0.069	0.03	4.6	2.9	9.25	5490	0.06	0.02	0.5	8.0	130
I078247		5.41	1.38	0.07	0.1	0.052	0.07	4.8	3.3	9.67	5230	0.10	0.01	0.9	4.5	120
I078248		28.8	1.61	0.47	0.3	0.038	0.01	1.8	1.2	2.12	1120	0.10	0.03	1.3	74.0	200
I078249		0.46	0.29	0.21	<0.1	0.005	0.02	0.6	1.3	12.00	214	0.05	0.01	0.2	3.0	150
I078250		5.64	2.25	0.07	0.2	0.076	0.10	3.1	3.5	9.54	4660	0.06	0.02	1.4	7.3	190
I078251		17.45	5.44	0.30	0.6	0.068	0.38	3.1	3.9	5.09	3350	0.26	0.02	3.4	56.9	280
I078252		1.76	8.55	0.05	1.1	0.030	1.09	13.4	9.2	9.44	1090	0.37	0.02	10.6	23.5	430
I078253		0.78	0.58	0.11	0.1	0.008	0.04	12.1	4.0	11.45	706	0.16	0.01	0.5	3.1	90

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 26- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10148575

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
I078236		343	3.7	<0.002	1.70	3.62	0.9	2	2.3	83.1	<0.05	0.23	<0.2	0.013	0.16	0.7
I078237		52.9	1.5	<0.002	0.65	1.09	0.9	1	0.5	113.0	<0.05	<0.05	<0.2	<0.005	0.10	0.3
I078238		25.5	1.7	0.006	0.64	1.82	0.7	1	0.6	131.0	<0.05	0.09	<0.2	0.013	0.17	0.4
I078239		30.2	1.4	0.002	0.60	1.53	0.8	1	0.4	129.0	<0.05	0.10	<0.2	0.010	0.07	0.4
I078240		79.1	1.5	<0.002	1.38	1.93	0.7	1	6.2	123.5	<0.05	0.06	<0.2	<0.005	0.09	0.4
I078241		45.6	0.8	0.003	7.32	1.65	0.5	2	3.7	85.9	<0.05	0.14	0.2	<0.005	0.05	0.4
I078242		149.5	4.7	0.002	>10.0	3.06	1.0	2	19.5	97.7	<0.05	0.24	<0.2	0.020	0.17	0.6
I078243		221	73.9	0.002	1.39	181.0	21.4	2	2.8	130.5	0.33	1.58	4.8	0.207	0.92	1.6
I078244		78.2	1.5	0.002	>10.0	3.59	0.6	2	10.1	117.5	<0.05	0.19	<0.2	<0.005	0.05	0.4
I078245		55.3	2.5	0.003	4.55	1.40	0.9	1	17.2	111.5	<0.05	0.11	0.3	0.007	0.14	5.0
I078246		128.0	3.8	0.002	5.20	1.18	0.9	1	2.4	112.5	<0.05	0.15	<0.2	0.007	0.08	0.6
I078247		104.5	9.8	0.002	3.13	1.92	0.7	1	1.0	127.5	<0.05	0.11	<0.2	0.019	0.12	0.6
I078248		366	1.2	<0.002	>10.0	395	0.6	25	2.0	28.8	0.05	46.9	0.2	0.024	0.06	1.5
I078249		2.1	1.3	<0.002	0.05	0.77	0.3	1	<0.2	42.5	<0.05	0.06	<0.2	<0.005	<0.02	0.6
I078250		134.5	11.2	0.002	2.43	2.76	1.5	1	1.3	126.0	0.07	0.12	<0.2	0.031	0.15	0.6
I078251		57.9	42.0	0.002	>10.0	5.40	1.9	4	2.9	78.7	0.18	0.36	0.6	0.079	0.41	1.8
I078252		12.8	97.6	0.002	1.17	0.87	4.3	1	3.1	74.6	0.66	0.10	1.8	0.242	0.78	1.3
I078253		9.3	4.2	<0.002	0.27	0.30	0.9	1	0.2	63.4	<0.05	0.05	<0.2	0.009	0.06	0.3

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Finalized Date: 26- OCT- 2010
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Project: RAU

CERTIFICATE OF ANALYSIS VA10148575

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	ME- XRF05 Bi ppm 4	ME- XRF05 W ppm 10
I078236		7	63.7	10.1	1240	7.2		
I078237		2	113.0	11.0	365	2.5		
I078238		5	720	9.5	142	6.0		
I078239		5	193.5	9.8	140	5.5		
I078240		3	74.6	11.9	341	2.6		
I078241		2	500	9.0	226	2.8		
I078242		7	68.0	13.5	511	8.7		
I078243		142	38.3	14.1	351	267		
I078244		3	242	14.8	427	3.5		
I078245		3	347	15.9	247	3.5		
I078246		5	205	14.5	525	5.3		
I078247		5	29.1	11.0	645	6.5		
I078248		8	64.5	5.8	1740	11.4	>10000	70
I078249		2	0.3	0.8	21	<0.5		
I078250		8	8.1	8.4	708	9.6		
I078251		22	53.6	10.4	260	23.9		
I078252		46	5.5	10.1	153	46.1		
I078253		5	0.8	10.7	75	3.4		

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 26- OCT- 2010
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS VA10148575

Method	CERTIFICATE COMMENTS
ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown.
ME- MS61	REE's may not be totally soluble in this method.

APPENDIX III

GEOLOGICAL AND GEOTECHNICAL LOGS

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
		524915	7122080	1755	112.17

ZONE: Cheetah

SECTION:

HOLE: CH-10-01

CLAIM:

Contractor: Beaudoin

Drill: 4

Core size: BTW

Casing depth: 3.05 m in

Drilling dates: August 6-11, 2010

Geology logged by: K. Wynne

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	320	-50.0	compass				
111.17	320	-50.0	acid test				

TARGET: Soil Anomaly

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	3.98	3.98	OVB	
3.98	112.17	108.19	LST	Intense sBX, with strong DOL and fair SIL
112.17	E.O.H.			

SAMPLES

Numbers: J980500-J980545

Total: 46

Batch: 1,2

Date Sent: August 14, 17 2010

Certificate: VA10112654, VA10114594

COMMENTS

The hole was lost due to a cave in.

GEOLOGY LOG

HOLE: CH-10-01

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	3.98	3.98				OVB			Overburden - No Recovery																		
3.98	112.28	108.30				LST	DOL	sBX	Light buff to medium grey, intensely sBX LST with calcite infill and fair to strong DOL altered. Locally intense cBX and locally lacking sBX texture. Ca VT are common, often altered medium brown. Locally core is very broken, with zones of medium brown to black altered core to clay. Intensely sBX zones commonly have < 1 cm wide black bitumenous infills within the sBX clasts. Bitumen within sBX matrix is less common and tends to form larger blebs and stringers. Dark grey silicified layers with sharp contacts to DOL LST occur periodically.					ms				SIL	w									
			3.98	22.32	18.34	LST	DOL	sBX	Buff to light grey variably DOL LST, sBX by white to light grey DOL. Buff LST is infilled by < 0.5 cm wide black bitumenous material giving spotted appearance. sBX locally has overprinted appearance, with clasts blending into matrix. Zones < 30 cm long of dark grey FG strong SIL LST. The last 2 m have decreased sBX and moderate strong cBX of intense DOL LST.					i												x
			22.32	30.17	7.85	LST	DOL	sBX	Light buff to dark grey. Light buff FG strong DOL LST sBX by dark grey bitumenous and moderate strong DOL altered material which fizzes strongly in less DOL zones. 1 m long zones of non-sBX strong DOL LST with weak cBX occur.					s				SIL	w									
			30.17	33.06	2.89	LST		GRT	Medium grey to orange brown intensely altered to silt and grit with rubble and core pieces of buff to grey sBX DOL LST. Last 50 cm is core pieces altered to sand sized grains with bitumenous spots within. Silt and grit locally fizz in 10% HCl.							t										
			33.06	43.20	10.14	LST	DOL	sBX	Light grey strong DOL MG Ca as matrix in sBX of buff LST clasts, and as long sections of core. sBX clasts strongly overprinted locally. Bitumenous infillings < 1 cm are intense in buff LST, weak in light grey MG Ca and DOL. Last 3 m are very broken to rubble < 4 cm long.							s		CAL	i							
			43.00	43.20	0.20	LST	SHL	GRT	Black bitumenous SHL grit with LST RBL < 2 cm diameter.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			43.20	74.38	31.18	LST	DOL		Light buff to light grey strongly DOL altered LST with FG to MG Ca crystals within . sBX texture is largely overprinted and cryptic. Weak to strong cBX by thin Ca VT, commonly altered medium brown by weak SID. Weakly vuggy throughout. Medium brown disseminated spots likely trace OX MX. Some very broken zones.					s		t	w											
									VT dark grey to medium brown with weak SID Ca VT set.	VT	40						w										
			48.96	50.07	1.11		RBL		Dark brown silt with < 3 cm very broken calcareous rubbly contacts .	CN																	x
			50.07	50.35	0.28	Qz	VN		Qz VN brecciating light orange brown altered LST with vCG Ca crystals forming breccia clasts ~ 1 cm diameter.								f										
			50.58	53.05	2.47	LST			Medium brown strongly cBX, weakly DOL LST altered black to orange-brown in VT and through core in zones < 30 cm long. Black and orange-brown sections soft, strongly calcareous; smithsonite, siderite, limonite in calcite.	w							w	LIM	f				Sm	w			
			74.38	79.34	4.96				Buff to medium grey clasts that are sBX by white to light grey Ca DOL, FG to MG. Very broken locally with sugary texture on some broken faces. < 1 cm bituman inclusions are intense in clasts and on FX and weak in Ca/DOL matrix.					s														
									Thin Ca VT set, SID altered.	VT	40						ms										
			79.34	92.05	12.71	LST	DOL		Light buff to medium grey variably DOL LST with dark grey non-DOL zones and buff DOL zones that have been sBX by FG to MG Ca and DOL. Dark red-brown spots < 0.5 cm likely OX MX.					s		w												
									SID altered Ca VT to VN, variable orientations, most ~ 40 degrees.	VN	40																
			85.29	85.79	0.50		GRT		Medium brown clay to grit on broken LST core. Possible FLT. Fairly calcareous.																		
			92.05	103.79	11.74	LST	DOL	sBX	Medium to light buff-grey LST with buff, strongly DOL zones in patchy dissolution texture. Weak SIL focused in medium grey layers increases to intense SIL locally and weak SID alteration. Ca and Qz VT's cut interval.					ms			w	SIL	m									
			100.58	100.92	0.34				Medium brown clay with Qz rubble < 4 cm diameter. Possible FLT? Smaller zones without Qz through rest of interval.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			103.79	111.20	7.41	LST	SIL		Dark grey to buff, variably DOL LST with buff strongly DOL zones. Ca/DOL VT locally cBX and sBX dark grey strong SIL LST. Dark grey FG clasts locally form constituent of matrix along with DOL, which sBX moderate DOL LST. Sharp CN between DOL LST and strong to intense SIL dark grey layers	CN				ms				SIL	s								x
			107.20	107.80	0.60				Dark grey SIL sBX LST. FG dark grey clasts define shape of larger clasts; remnants of a larger clast has been DOL altered?																		x
			111.20	112.17	0.97	LST			Buff to medium grey weakly DOL weakly cBX LST with Qz VT that have orange brown calcareous OX rims. An OX zone 20 cm long contains Qz clasts <3 cm in diameter and grades into light orange and grey sBX texture overprinted by dolomite veined cBX.							s										
									112.17 m: E.O.H. - The hole was lost.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: CH-10-01

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
3.98	6.10	2.12	LST	DOL	1.98	93	J980500	1					
6.10	9.14	3.04	LST	DOL	2.55	84	J980501	1					
9.14	12.19	3.05	LST	DOL	3.05	100	J980502	1					
12.19	15.24	3.05	LST	DOL	3.03	99	J980503	1					
15.24	18.29	3.05	LST	DOL	2.68	88	J980504	1					
18.29	21.34	3.05	LST	DOL	3.05	100	J980505	1					
21.34	22.32	0.98	LST	DOL	0.97	99	J980506	1					
22.32	24.38	2.06	LST	DOL	2.06	100	J980507	1					
24.38	27.43	3.05	LST	DOL	2.36	77	J980508	1					
27.43	30.17	2.74	LST	DOL	2.57	94	J980509	1					
30.17	33.06	2.89	LST		2.11	73	J980510	1					
-	-	-	-	-	-	-	J980511	1					Standard OC-2
33.06	36.00	2.94	LST	DOL	2.53	86	J980512	1					
36.00	39.00	3.00	LST	DOL	3.00	100	J980513	1					
39.00	41.00	2.00	LST	DOL	1.54	77	J980514	1					
41.00	43.20	2.20	LST	DOL	1.28	58	J980515	1					
-	-	-	-	-	-	-	J980516	1					Blank BTW
43.20	45.72	2.52	LST	DOL	1.64	65	J980517	1					
45.72	48.77	3.05	LST	DOL	2.86	94	J980518	1					
48.77	50.58	1.81	LST	DOL	0.94	52	J980519	1					
50.58	53.05	2.47	LST		1.97	80	J980520	1					
-	-	-	-	-	-	-	J980521	1					Blank BTW
53.05	56.00	2.95	LST	DOL	2.81	95	J980522	1					
56.00	57.91	1.91	LST	DOL	1.21	63	J980523	1					
57.91	60.96	3.05	LST	DOL	2.95	97	J980524	1					
60.96	64.01	3.05	LST	DOL	3.00	98	J980525	1					
60.96	64.01	3.05	LST	DOL	3.00	98	J980526	1					Duplicate
64.01	67.06	3.05	LST	DOL	2.83	93	J980527	1					
67.06	70.10	3.04	LST	DOL	2.70	89	J980528	1					
70.10	73.15	3.05	LST	DOL	2.50	82	J980529	1					
73.15	74.38	1.23	LST	DOL	1.20	98	J980530	1					
74.38	77.00	2.62	LST	DOL	2.27	87	J980531	1					

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
77.00	79.34	2.34	LST	DOL	2.07	88	J980532	1					
79.34	82.30	2.96	LST	DOL	2.66	90	J980533	1					
-	-	-	-	-	-	-	J980534	1					Standard OC-1
82.30	85.34	3.04	LST	DOL	2.54	84	J980535	1					
85.34	88.39	3.05	LST	DOL	3.03	99	J980536	2					
88.39	90.00	1.61	LST	DOL	1.61	100	J980537	2					
90.00	92.05	2.05	LST	DOL	2.05	100	J980538	2					
92.05	94.49	2.44	LST	DOL	2.13	87	J980539	2					
94.49	97.54	3.05	LST	DOL	2.50	82	J980540	2					
97.54	100.58	3.04	LST	DOL	2.75	90	J980541	2					
100.58	103.63	3.05	LST	DOL	2.09	69	J980542	2					
-	-	-	-	-	-	-	J980543	2					Blank BTW
103.63	106.68	3.05	LST	SIL	2.45	80	J980544	2					
106.68	109.73	3.05	LST	SIL	2.68	88	J980545	2					

-

GEOTECHNICAL LOG

HOLE: CH-10-01

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
3.98	5.49	1.51	1.51	100	0.82	54	MS	SW		
5.49	6.10	0.61	0.61	100	0.11	18	MS	FR		
6.10	9.14	3.04	2.63	87	1.53	58	MS	FR		
9.14	12.19	3.05	3.05	100	2.14	70	MS	FR		
12.19	15.24	3.05	3.02	99	2.02	67	MS	FR		
15.24	18.29	3.05	2.72	89	2.34	86	MS	FR		
18.29	21.34	3.05	3.05	100	2.17	71	MS	FR		
21.34	24.38	3.04	3.04	100	2.57	85	MS	FR		
24.38	27.43	3.05	2.36	77	1.03	44	MS	SW		
27.43	30.48	3.05	2.89	95	1.88	65	MS	SW		
30.48	33.53	3.05	2.25	74	0.34	15	W	MW		
33.53	36.58	3.05	2.65	87	1.38	52	MS	SW		
36.58	39.62	3.04	3.04	100	2.40	79	MS	SW		
39.62	42.67	3.05	2.07	68	0.78	38	W	MW		
42.67	45.72	3.05	2.15	70	1.00	47	W	SW		
45.72	48.77	3.05	2.86	94	2.13	74	MS	SW		
48.77	51.82	3.05	2.05	67	0.74	36	W	VW		
51.82	54.86	3.04	2.52	83	0.60	24	MS	MW		
54.86	57.91	3.05	2.35	77	1.40	60	MS	MW		
57.91	60.96	3.05	2.95	97	1.73	59	MS	MW		
60.96	64.01	3.05	3.00	98	2.50	83	MS	MW		
64.01	67.06	3.05	2.83	93	1.58	56	MS	MW		
67.06	70.10	3.04	2.70	89	1.86	69	MS	MW		
70.10	73.15	3.05	2.50	82	1.70	68	MS	MW		
73.15	76.20	3.05	2.70	89	1.07	40	MS	MW		
76.20	79.25	3.05	2.75	90	1.19	43	MS	MW		
79.25	82.30	3.05	2.85	93	1.65	58	MS	MW		
82.30	85.34	3.04	2.54	84	1.83	72	MS	FR		
85.34	88.39	3.05	3.03	99	2.20	73	W	MW		
88.39	91.44	3.05	3.05	100	2.70	89	MS	FR		
91.44	94.49	3.05	2.85	93	2.19	77	MS	FR		
94.49	97.54	3.05	2.50	82	0.49	20	W	SW		
97.54	100.58	3.04	2.75	90	1.82	66	MS	MW		
100.58	103.63	3.05	2.09	69	0.93	44	W	VW		
103.63	106.68	3.05	2.45	80	1.38	56	MS	SW		
106.68	109.73	3.05	2.68	88	2.05	76	MS	SW		
109.73	112.17	2.44	2.44	2	1.68	69	MS	SW		
112.32	E.O.H.									

MAGNETIC SUSCEPTIBILITY LOG

HOLE: CH-10-01

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	LST	DOL	N/A	
2.00	LST	DOL	N/A	
3.00	LST	DOL	N/A	
4.00	LST	DOL	0.30	
5.00	LST	DOL	2.50	
6.00	LST	DOL	0.00	
7.00	LST	DOL	1.66	
8.00	LST	DOL	0.00	
9.00	LST	DOL	0.00	
10.00	LST	DOL	0.00	
11.00	LST	DOL	0.30	
12.00	LST	DOL	1.31	
13.00	LST	DOL	0.00	
14.00	LST	DOL	2.31	
15.00	LST	DOL	0.00	
16.00	LST	DOL	1.12	
17.00	LST	DOL	0.69	
18.00	LST	DOL	0.79	
19.00	LST	DOL	0.75	
20.00	LST	DOL	0.51	
21.00	LST	DOL	7.29	
22.00	LST	DOL	1.76	
23.00	LST	DOL	2.80	
24.00	LST	DOL	0.00	
25.00	LST	DOL	0.00	
26.00	LST	DOL	0.00	
27.00	LST	DOL	0.32	
28.00	LST	DOL	0.00	
29.00	LST	DOL	3.58	
30.00	LST	DOL	0.00	
31.00	LST		0.02	
32.00	LST		2.09	
33.00	LST		0.22	
34.00	LST	DOL	0.00	
35.00	LST	DOL	0.36	
36.00	LST	DOL	0.20	
37.00	LST	DOL	2.58	
38.00	LST	DOL	2.64	
39.00	LST	DOL	12.10	
40.00	LST	DOL	0.00	
41.00	LST	DOL	7.27	
42.00	LST	DOL	0.00	
43.00	LST	SHL	2.09	
44.00	LST	DOL	1.18	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	LST	DOL	0.00	
46.00	LST	DOL	0.00	
47.00	LST	DOL	0.00	
48.00	LST	DOL	7.31	
49.00	LST	DOL	0.14	
50.00	LST	DOL	0.28	
51.00	LST		3.23	
52.00	LST		0.00	
53.00	LST		0.00	
54.00	LST	DOL	1.68	
55.00	LST	DOL	0.00	
56.00	LST	DOL	6.15	
57.00	LST	DOL	2.93	
58.00	LST	DOL	0.00	
59.00	LST	DOL	0.00	
60.00	LST	DOL	0.73	
61.00	LST	DOL	1.76	
62.00	LST	DOL	2.39	
63.00	LST	DOL	0.08	
64.00	LST	DOL	0.53	
65.00	LST	DOL	0.45	
66.00	LST	DOL	2.07	
67.00	LST	DOL	0.08	
68.00	LST	DOL	1.35	
69.00	LST	DOL	2.15	
70.00	LST	DOL	1.39	
71.00	LST	DOL	2.19	
72.00	LST	DOL	0.00	
73.00	LST	DOL	0.63	
74.00	LST	DOL	0.16	
75.00	LST	DOL	0.00	
76.00	LST	DOL	4.30	
77.00	LST	DOL	1.96	
78.00	LST	DOL	0.00	
79.00	LST	DOL	0.00	
80.00	LST	DOL	0.38	
81.00	LST	DOL	0.55	
82.00	LST	DOL	0.24	
83.00	LST	DOL	0.00	
84.00	LST	DOL	1.47	
85.00	LST	DOL	0.90	
86.00	LST	DOL	0.00	
87.00	LST	DOL	2.21	
88.00	LST	DOL	2.72	
89.00	LST	DOL	1.68	
90.00	LST	DOL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	LST	DOL	3.01	
92.00	LST	DOL	0.00	
93.00	LST	DOL	1.98	
94.00	LST	DOL	3.97	
95.00	LST	DOL	1.16	
96.00	LST	DOL	1.37	
97.00	LST	DOL	2.27	
98.00	LST	DOL	0.00	
99.00	LST	DOL	3.46	
100.00	LST	DOL	2.58	
101.00	LST	DOL	0.00	
102.00	LST	DOL	3.36	
103.00	LST	SIL	7.38	
104.00	LST	SIL	13.80	
105.00	LST	SIL	0.00	
106.00	LST	SIL	2.31	
107.00	LST	SIL	4.38	
108.00	LST	SIL	0.32	
109.00	LST	SIL	2.58	
110.00	LST	SIL	1.84	
111.00	LST	SIL	0.00	
112.00	LST		1.31	

DENSITY LOG

HOLE: CH-10-01

Depth (m)	Unit	Modifier	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
			Py %	As %	Other	%							
18.65	LST	DOL					BIT? Seams	15.4	4.2	564.1	354.7	2.70	2.69
39.70	LST	DOL					Slightly OX, a few small (0.5cm) vugs	14.8	4.2	550.8	349.7	2.74	2.74
51.63	LST							15.2	4.2	546.2	339.3	2.65	2.64
64.10	LST	DOL						14.7	4.2	550.9	349.9	2.76	2.74
76.45	LST	DOL					BIT? Crystals	15.1	4.2	550.0	346.9	2.68	2.71
89.38	LST	DOL					SID? Seams	14.5	4.2	534.7	338.9	2.71	2.73
105.49	LST	SIL					Dark grey/black in colour	15.0	4.2	547.0	342.1	2.68	2.67
109.33	LST	SIL					Dark grey/black in colour	14.8	4.2	533.6	331.4	2.65	2.64

BOX LOG

HOLE: CH-10-01

BOX	FROM (m)	TO (m)
1	3.98	9.44
2	9.44	15.17
3	15.17	20.90
4	20.90	26.58
5	26.58	32.09
6	32.09	37.97
7	37.97	42.96
8	42.96	48.77
9	48.77	54.67
10	54.67	60.26
11	60.26	66.00
12	66.00	71.44
13	71.44	77.16
14	77.16	82.65
15	82.65	88.80
16	88.80	94.49
17	94.49	100.28
18	100.28	106.68
19	106.68	112.17
112.17 m - E.O.H		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
		524915	7122080	1755	207.26

ZONE: Cheetah

SECTION:

HOLE: CH-10-02

CLAIM:

Contractor: Beaudoin

Drill: 4

Core size: BTW

Casing depth: 4.57 m out

Drilling dates: August 16-18, 2010

Geology logged by: K. Wynne

TARGET: Soil anomaly

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	320	-55.0	compass				
206.26	320	-53.0					

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	3.05	3.05	OVB	
3.05	207.26	204.21	LST	Variably DOL and SIL, sBX with small OX zones.
207.26	E.O.H.			

SAMPLES

Numbers: J980546-J980620

Total: 75

Batch: 2, 3, 4

Date Sent: August 14, 17, 19 2010

Certificate: VA10114594, VA10117908, VA10117909

COMMENTS

The hole was ended because it was past the targeted oxide horizon.

GEOLOGY LOG

HOLE: CH-10-02

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	Photo
0.00	3.05	3.05				OVB			Overburden - No Recovery																		
3.05	207.26	204.21				LST	DOL	sBX	Medium buff to grey and white intensely sBX ,weak to intensely DOL LST, commonly with black bituminous infills < 2 cm wide. Irregularly shaped, sBX is infilled by MG DOL and minor Ca. sBX clasts appear variably overprinted, with long sections of core entirely composed of MG Ca/DOL. Small intervals of intense OX, SID, and smithsonite. The interval is locally fair to intensely SIL.					m														
			3.05	21.49	18.44	LST	DOL	sBX	Medium buff and grey, weak DOL LST with black bituminous infills < 2 cm, irregularly shaped. sBX by MG DOL and Ca, white. Buff LST locally altered to beige and light red brown Ca. Portions of interval have very broken core with sugary texture and silt and sand on broken surfaces; typically found in bituminous LST rich zones. Interval is weakly vuggy.					m														
			8.06	8.34	0.28				DOL VN with 10 cm calcareous orange brown OX zone.	VN	20					s											
			19.40	20.30	0.90	LST		RBL	Grey buff rubble to silt, calcareous with black bituminous clasts and DOL rubble < 4 cm in size.					f													
			21.49	26.90	5.41	DOL		sBX	Light buff to white FG to MG DOL and Ca (recrystallized LST?) with light grey cryptic patches of relict sBX. DOL is sBX by calcareous bitumen rich layers, locally altered orange brown. Trace disseminated MG oxidized unidentifiable mineralization. ICN gradational, with elongate clasts mBX by DOL.	ICN																	
			26.90	29.38	2.48	LST	DOL	mBX	Buff, moderate DOL LST locally foliated with 1cm clasts variably infilled with bituminous material. MG DOL forms patches, VTs and VNs which locally mBX LST. Patches commonly surround vugs and are calcareous. The interval includes a very broken zone ~ 40 cm long.	FO	30			ms													
			29.38	34.36	4.98	LST	DOL	cBX	Buff to medium grey, FG to MG, weak to strongly DOL recrystallized LST with orange brown Ca VT weakly cBX locally. Bituminous clasts occur in calcareous patches and layers. 30 cm medium grey FG moderate-strongly DOL layers with white grey MG DOL VT.	VT	40			s													

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			34.01	34.13	0.12	VN			Orange brown calcareous smithsonite VN. Has high Eu on XRF readings. uCN 40 and lCN 50 degrees.	VN	45												Sm	s			
			34.36	37.15	2.79	LST	DOL		Buff weakly DOL LST with black bituminous infill < 2 cm wide, and forming seams at contacts with DOL. The interval is very broken up to rubbly with a sugary texture and sand to silt zones < 10 cm long. A DOL VT with light grey to white MG DOL occurs within.					w													
			37.15	44.00	6.85	LST	DOL	sBX	Light buff-grey FG to MG intensely DOL LST with patches and zones of grey LST variably overprinted by a cryptic sBX. Fair SIL alteration of interval. Large portion of interval consists is broken up core.					i				SIL	f								
			44.00	49.71	5.71	LST	DOL	sBX	Medium grey dolomitized LST with buff irregularly shaped patches, and indistinctly bounded forming cryptic sBX. Moderate strong to intense SIL of the interval occurs. Gradational increase in SID alteration associated with Qz/Ca VT toward lCN.	VT	50			m				SIL	s								
			49.71	51.86	2.15	LST	DOL		Buff, MG, strongly DOL LST with SID Ca/Qz VT, disseminated OX MX FG to MG and small vugs scattered throughout.	VT	50			s													
			51.86	55.84	3.98	LST	DOL	cBX	Medium grey to buff FG LST, weak to moderate DOL overprinted by a cryptic sBX texture. A Qz VN in first 1.10 m mBX the LST which has an orange brown colour. This is later overprinted by a SID VT. Local cBX occurs by SID and Smithsonite altered calcareous VTs. Increasingly grey SIL alteration occurs down interval, becoming strongly SIL at ~ 54 m. The last meter is very broken.					f		w		SIL	f								
			52.30	52.46	0.16				Orange brown to black, soft, calcareous alterec zone, with sharp uCN. Smithsonite and SID occur within.	uCN	25						s						Sm	i			
			55.84	69.00	13.16	LST	DOL	sBX	Buff MG weak to moderate DOL recrystallized LST with light to medium grey cryptic sBX patches in a buff fairly DOL LST. Thin Ca VT set through interval, is locally less distinctly oriented forming cBX. VT set 50 degrees at top of interval, decreases to 30 degrees down interval. Vugs, patches and layers of orange brown to dark brown calcareous alteration commonly occur in vuggy or broken zones. SID and smithsonite and trace FG to MG disseminated OX MX occur within.	VT	50			f			w						Sm	w			

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			55.84	56.10	0.26				Dark brown calcareous SID and smithsonite rich LST. The XRF showed high Pb and Mn; possibly cerussite/rhodocrosite?					i			i						Sm	i			
			61.35	61.43	0.08	LST	OX		CG weak DOL LST with orange brown FG OX clay alteration in MG disseminations associated with mBX. The clay is calcareous, high Mn and Zn from XRF could be smithsonite and rhodocrosite.					w		w								Sm	s			
																		RHO	m								
			69.00	70.92	1.92	LST	DOL	sBX	Dark buff FG moderately strong DOL LST that has been sBX and mBX by MG DOL/Ca VT and layers. MG OX MX is disseminated in trace amounts. Locally weakly bitumeninous.																			
			70.92	76.11	5.19	LST	DOL	sBX	Buff and medium grey intensely DOL and moderate-strongly SIL altered LST with cryptic sBX patches with zones of interchangeable predominantly grey and predominantly buff colouration. Local moderate cBX texture. At least two separate VT sets of Qz/Ca altered to orange brown SID occur. There is also ar overprinted MG DOL VT without common orientation.	VT	20			i				SIL	ms								
										VT	40																
			76.11	88.28	12.17	LST	SIL	sBX	Medium to dark grey intensely SIL LST, with moderate dolomitization as irregular weak sBX patches. Intense DOL VT and some Qz/DOL veinlets with associated MG OX MX. Small vuggs are associated with the DOL VT. Local mBX textures also occur.	VT			7	m				SIL	i								
			88.28	89.79	1.51	LST	DOL	RBL	Light buff to light purple, strong to trace DOL altered LST with light purple-brown calcareous SID alteration in patches throughout the core. Medium brown calcareous SID VT generally cut at 40 degrees TCA. A large portion of the interval is rubble to silt, but it is predominantly a light buff calcareous grit. Weak light orange brown OX through interval, most commonly on broken surfaces.	VT	40			m		w	f									
			89.79	91.14	1.35	VOL	OX	RBL	Dark grey VOL intensely OX to orange brown colour in zones and layers following FX. FX surfaces are altered to a green grey colour with a slight sheen, and strong SER alteration. Overall the interval is very broken with clay coatings on the FXs.	FX	40					s		SER	s								

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			91.14	92.51	1.37	LST			Light purple grey calcareous LST. Purple brown altered due to SID alteration? Stringers of SID and bright orange smithsonite occur throughout. DOL VT occur throughout the interval, with MG brown OX MX rims. Intensely SIL zone ~ 20 cm long. Interval largely broken to rubble.							t	f										
92.51	98.18	5.67				VOL	OX	RBL	Rubbly interval of light brown to orange brown intense OX on non calcareous dark grey to light green-grey unaltered VOL (?). Locally weakly SER altered.							i		SER	w								
			94.76	95.52	0.76	LST	DOL	sBX	Light buff coloured strongly DOL sBX LST with medium grey MG DOL matrix and a fairly overprinted cBX texture. SIL blebs and SID altered patches occur throughout. Weak OX occur throughout interval.						s		w	f										
			95.52	98.18	2.66	VOL	OX	RBL	Orange-brown to light brown intensely OX VOL clay to core, predominantly rubble. Unaltered zones are dark to medium grey, with green sheen (SER). Locally has FG to MG holes where MX have dissolved away. Common FX angle occurs at 50 deg to CA. A gradational uCN is calcareous and fairly SID altered for the first 20 cm.	FX	50					i											
98.18	207.26	109.08				LST			Light buff to medium grey, strong to trace DOL altered LST with thin intervals of oxide throughout. Purple brown SID altered patches occur locally. Sharp contacts between buff-grey and medium grey patches occur in a sBX texture. Intense SID VT and moderate strong OX of LST occur locally. Trace disseminated OX MX occurs throughout.						f				SID	m								
									SID VT through interval.	VT	60		8			m	i									
			103.69	105.02	1.33	OX	Qz		Orange brown to very dark brown-black intensely OX and SID altered interval, rich in Qz rubble to sand sized grit (~ 20%). Non-calcareous.							i	i									
			105.02	108.72	3.70	LST	DOL	sBX	Medium grey to buff, where moderate to strong DOL, LST. Cryptic sBX of grey LST by DOL LST and local mBX of DOL LST by Qz VN. The interval has moderate to intense SIL; grey zones are more silicified. OX MX is disseminated forming seams and layers of intense OX.							ms		SIL	s								

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			108.72	130.58	21.86	LST	DOL	cBX	Buff to light yellow FG to MG fair to strong DOL/ANK cBX LST, locally tBX by calcareous VT altered orange brown OX and purple brown SID. Trace SID/OX through interval, locally intense. Large sections of interval very broken.					i													
			111.74	112.40	0.66	VN	Qz		Qz VN, irregular CN. Trace disseminated OX MX.																	
			112.85	114.54	1.69	LST	DOL	sBX	Light buff to light orange brown, DOL LST that is sBX by MG DOL and weakly OX. Black calcareous clasts occur within the MG sBX DOL which is later cBX by Qz/SID VTs.					i			w										
			115.25	115.97	0.72	OX			Orange brown to dark brown-black strongly OX and intensely SID zone with associated smithsonite. Strongly calcareous zones have a corroded appearance with orange brown colouration on the edges and black in centre.							s	i							Sm	m		
			118.14	118.87	0.73	LST	FLT		Very broken, shale rich interval with bituminous infill in LST. Possible FLT.																	
			124.12	124.28	0.16	OX	CLY		Orange brown clay to silt, weakly calcareous, high ZN on XRF. OX and smithsonite?. Surrounding DOL LST has light yellow tint (ANK?).								i							Sm	i		
			129.57	129.84	0.27		SAN		MG weakly calcareous sand composed of Qz and black non calcareous clasts which scratch orange brown (MX?). Large rubble rare, < 3 cm, and strongly calcareous.																		
			130.58	141.05	10.47	LST	SIL	cBX	Medium grey to buff trace to moderate strong DOL/ANK altered LST. DOL/ANK typically occurs as alteration rims on OX/SID VT. Interval strongly SIL, with weak cBX throughout by DOL VT and overprinting SID VT. Zones of intense cBX by SID VT and strong DOL/ANK as gradational lCN.	lCN				m	w	t	t	SIL	s								
			130.85	131.44	0.59	OX	Qz		Bright orange smithsonite and OX with Qz < 3 cm, predominantly sand.							i							Sm	i		
			140.57	140.75	0.18	OX			Medium brown clay to silt, moderate SID/ OX, non-calcareous.							m	m									
			141.05	152.95	11.90	LST	DOL	cBX	Light yellow buff to purple grey moderate strong to intense DOL LST, strong to intense cBX by SID VT, weak to moderate strong SIL. Locally overprinted by sBX of DOL LST by DOL VT. SID VT locally has bright orange smithsonite and OX. Increasing SIL and decreasing cBX toward lower gradational CN.							t	m	SIL	w						Sm	t		
			141.21	142.79	1.58				Medium to dark grey variably calcareous clay tc rubbly LST and quartz. Moderately strong OX and SID alteration occurs throughout.							ms	ms									

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			142.79	185.14	42.35	LST	DOL	sBX	Medium grey to buff, weak to intensely DOL, moderate to strongly SIL, FG LST with sBX texture as irregular patches of buff and grey. Grey and buff interlayering which changes orientation may be primary layering, but appears to be sBX texture due to equigranular appearance and alteration of the rock. Local mBX to sBX of DOL SIL LST by FG to MG DOL, with trace FG OX MX on rims, disrupts grey and buff interlayering. Weak cBX by VT set common through interval, locally intense. Locally have relatively unaltered, unbrecciated, grey to buff LST.	VT	50			ms				SIL	s							
			157.10	164.54	7.44	LST	DOL	sBX	Buff and grey layers, variably overprinted, at 30 tc 60 degrees. Locally mBX to sBX by FG to MG DOL. FG dark brown MX on rims of DOL VT.					s				SIL	s							x
			169.34	170.51	1.17				Medium brown clay to silt with DOL LST rubble and uCN and lCN; may be fall in from above.																	
			185.14	207.26	22.12				Medium grey, strongly SIL LST with intervals of intense yellow buff DOL, generally moderate DOL in irregular patches. Locally have light purple grey centre of buff patches (SID?), often associated with OX MX on DOL VT rims. Locally cBX by DOL/Ca VT.					m			w	SIL	s							
									207.26 m: E.O.H. - The hole was ended because it was passed the targeted depth.																	

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: CH-10-02

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
6.10	9.14	3.04	LST	DOL	2.92	96	J980546	2					
9.14	12.19	3.05	LST	DOL	3.05	100	J980547	2					
12.19	15.24	3.05	LST	DOL	3.04	100	J980548	2					
15.24	18.29	3.05	LST	DOL	3.03	99	J980549	2					
18.29	21.34	3.05	LST	DOL	2.57	84	J980550	2					
21.34	24.38	3.04	DOL		2.89	95	J980551	2					
-	-	-	-	-	-	-	J980552	2					Standard OC-2
24.38	27.43	3.05	DOL		2.88	94	J980553	2					
27.43	30.48	3.05	LST	DOL	3.05	100	J980554	2					
30.48	33.53	3.05	LST	DOL	2.74	90	J980555	2					
-	-	-	-	-	-	-	J980556	2					Blank (BTW)
33.53	34.36	0.83	LST	DOL	0.82	99	J980557	2					
34.36	36.58	2.22	LST	DOL	1.88	85	J980558	2					
36.58	39.62	3.04	LST	DOL	2.97	98	J980559	2					
-	-	-	-	-	-	-	J980560	2					Standard OC-1
39.62	42.67	3.05	LST	DOL	2.49	82	J980561	2					
42.67	45.72	3.05	LST	DOL	3.05	100	J980562	2					
42.67	45.72	3.05	LST	DOL	3.05	100	J980563	2					Duplicate
45.72	48.77	3.05	LST	DOL	2.96	97	J980564	2					
48.77	51.86	3.09	LST	DOL	3.07	99	J980565	2					
51.86	53.61	1.75	LST	DOL	1.57	90	J980566	2					
53.61	55.84	2.23	LST	DOL	1.97	88	J980567	2					
55.84	57.91	2.07	LST	DOL	1.70	82	J980568	2					
57.91	60.96	3.05	LST	DOL	2.77	91	J980569	2					
60.96	64.01	3.05	LST	DOL	2.87	94	J980570	2					
64.01	67.06	3.05	LST	DOL	2.96	97	J980571	2					
67.06	70.10	3.04	LST	DOL	3.04	100	J980572	3					
70.10	73.15	3.05	LST	DOL	2.53	83	J980573	3					
73.15	76.11	2.96	LST	DOL	2.96	100	J980574	3					
76.11	79.25	3.14	LST	SIL	3.04	97	J980575	3					
79.25	82.30	3.05	LST	SIL	3.01	99	J980576	3					
82.30	85.34	3.04	LST	SIL	3.04	100	J980577	3					

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
85.34	88.28	2.94	LST	SIL	2.69	91	J980578	3					
85.34	88.28	2.94	LST	SIL	2.69	91	J980579	3					Duplicate
88.28	89.79	1.51	LST	DOL	1.46	97	J980580	3					
89.79	91.14	1.35	VOL	OX	1.35	100	J980581	3					
91.14	92.51	1.37	LST		1.37	100	J980582	3					
92.51	94.76	2.25	VOL	OX	1.27	56	J980583	3					
94.76	95.52	0.76	LST	DOL	0.76	100	J980584	3					
95.52	98.18	2.66	VOL	OX	2.31	87	J980585	3					
-	-	-	-	-	-	-	J980586	3					Blank (BTW)
98.18	100.58	2.40	LST		2.10	88	J980587	3					
100.58	103.69	3.11	LST		2.32	75	J980588	3					
-	-	-	-	-	-	-	J980589	3					Standard ROS-1
103.69	105.02	1.33	OX	Qz	0.90	68	J980590	3					
105.02	108.00	2.98	LST	DOL	2.60	87	J980591	3					
108.00	111.00	3.00	LST	DOL	2.68	89	J980592	3					
111.00	112.85	1.85	LST	DOL	1.80	97	J980593	3					
-	-	-	-	-	-	-	J980594	3					Blank (BTW)
112.85	115.25	2.40	LST	DOL	2.40	100	J980595	3					
115.25	115.97	0.72	OX		0.65	90	J980596	3					
115.97	118.87	2.90	LST	DOL	2.79	96	J980597	3					
118.87	121.92	3.05	LST	DOL	3.05	100	J980598	3					
121.92	124.97	3.05	LST	DOL	2.63	86	J980599	3					
124.97	128.02	3.05	LST	DOL	2.75	90	J980600	3					
128.02	130.85	2.83	LST	DOL	2.83	100	J980601	3					Standard OC-1
-	-	-	-	-	-	-	J980602	3					
130.85	131.44	0.59	OX	Qz	0.33	56	J980603	3					
131.44	134.11	2.67	LST	SIL	2.67	100	J980604	3					
134.11	137.16	3.05	LST	SIL	2.98	98	J980605	3					
137.16	140.21	3.05	LST	SIL	2.49	82	J980606	3					
140.21	143.26	3.05	LST	DOL	2.99	98	J980607	3					
143.26	146.30	3.04	LST	DOL	3.03	100	J980608	4					
146.30	149.35	3.05	LST	DOL	3.00	98	J980609	4					
149.35	152.40	3.05	LST	DOL	2.61	86	J980610	4					

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
152.40	155.45	3.05	LST	DOL	2.98	98	J980611	4					
155.45	158.50	3.05	LST	DOL	3.02	99	J980612	4					
158.50	161.54	3.04	LST	DOL	2.88	95	J980613	4					
158.50	161.54	3.04	LST	DOL	2.88	95	J980614	4					Duplicate
161.54	164.59	3.05	LST	DOL	2.81	92	J980615	4					
164.59	167.64	3.05	LST	DOL	3.05	100	J980616	4					
167.64	169.34	1.70	LST	DOL	1.37	81	J980617	4					
169.34	170.51	1.17			1.14	97	J980618	4					*Possible fall in from above*
-	-	-	-	-	-	-	J980619	4					Blank BTW
170.51	173.00	2.49	LST	DOL	1.88	76	J980620	4					

GEOTECHNICAL LOG

HOLE: CH-10-02

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
3.05	6.10	3.05	1.41	46	1.05	34	MS	SW		
6.10	9.14	3.04	2.92	96	2.00	66	MS	SW		
9.14	12.19	3.05	3.05	100	2.51	82	MS	SW		
12.19	15.24	3.05	3.04	100	2.64	87	MS	SW		
15.24	18.29	3.05	3.03	99	2.19	72	MS	SW		
18.29	21.34	3.05	2.57	84	1.52	50	W	MW		
21.34	24.38	3.04	2.89	95	2.58	85	MS	SW		
24.38	27.43	3.05	2.88	94	2.88	94	MS	SW		
27.43	30.48	3.05	3.05	100	1.81	59	W	MW		
30.48	33.53	3.05	2.74	90	1.89	62	W	MW		
33.53	36.58	3.05	2.79	91	0.51	17	W	MW		
36.58	39.62	3.04	2.97	98	1.60	53	MS	SW		
39.62	42.67	3.05	2.49	82	0.70	23	W	SW		
42.67	45.72	3.05	3.05	100	2.98	98	MS	SW		
45.72	48.77	3.05	2.96	97	2.96	97	MS	SW		
48.77	51.82	3.05	3.05	100	2.94	96	MS	SW		
51.82	54.86	3.04	2.92	96	2.03	67	W	SW		
54.86	57.91	3.05	2.74	90	1.11	36	W	SW		
57.91	60.96	3.05	2.77	91	1.03	34	W	MW		
60.96	64.01	3.05	2.87	94	1.93	63	W	MW		
64.01	67.06	3.05	2.96	97	1.72	56	MS	SW		
67.06	70.10	3.04	3.04	100	2.67	88	MS	SW		
70.10	73.15	3.05	2.46	81	1.33	44	MS	SW		
73.15	76.20	3.05	3.05	100	2.77	91	MS	SW		
76.20	79.25	3.05	2.94	96	1.81	59	MS	SW		
79.25	82.30	3.05	3.05	100	1.43	47	MS	SW		
82.30	85.34	3.04	3.02	99	2.31	76	MS	SW		
85.34	88.39	3.05	2.80	92	2.43	80	MS	SW		
88.39	91.44	3.05	2.97	97	0.80	26	VW	HW	7.5YR5/3	OXIDIZED RUBBLE
91.44	94.49	3.05	2.10	69	0.29	10	VW	HW	10YR5/4	OXIDIZED RUBBLE
94.49	97.54	3.05	2.46	81	0.98	32	VW	HW	10YR5/4	OXIDIZED RUBBLE
97.54	100.58	3.04	2.72	89	0.45	15	VW	HW	7.5YR5/3	OXIDIZED RUBBLE
100.58	103.63	3.05	1.98	65	0.89	29	MS	SW		
103.63	106.68	3.05	2.76	90	1.39	46	EW	EW		
106.68	109.73	3.05	2.90	95	2.52	83	MS	MW		
109.73	112.78	3.05	2.64	87	2.10	69	MS	SW		
112.78	115.82	3.04	2.87	94	1.46	48	MS	MW		
115.82	118.87	3.05	2.86	94	1.27	42	MS	MW		
118.87	121.92	3.05	3.05	100	1.41	46	MS	SW		
121.92	124.97	3.05	2.63	86	1.31	43	MS	MW		
124.97	128.02	3.05	2.75	90	0.98	32	MS	MW		
128.02	131.06	3.04	3.04	100	0.36	12	W	HW		
131.06	134.11	3.05	2.82	92	1.10	36	MS	SW		
134.11	137.16	3.05	2.98	98	0.91	30	MS	FR		
137.16	140.21	3.05	2.49	82	2.35	77	MS	FR		
140.21	143.26	3.05	2.99	98	1.90	62	W	HW		
143.26	146.30	3.04	3.03	100	2.86	94	MS	SW		
146.30	149.35	3.05	3.00	98	2.26	74	MS	SW		
149.35	152.40	3.05	2.61	86	1.49	49	MS	SW		
152.40	155.45	3.05	3.05	100	2.52	83	MS	FR		
155.45	158.50	3.05	3.02	99	2.51	82	MS	FR		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
158.50	161.54	3.04	2.93	96	2.08	68	MS	FR		
161.54	164.59	3.05	2.87	94	2.09	69	MS	FR		
164.59	167.64	3.05	3.05	100	1.56	51	MS	FR		
167.64	170.69	3.05	2.45	80	1.08	35	EW	EW		
170.69	173.74	3.05	2.64	87	2.18	71	W	SW		
173.74	176.78	3.04	2.83	93	1.58	52	MS	FR		
176.78	179.83	3.05	3.04	100	2.95	97	MS	FR		
179.83	182.88	3.05	2.95	97	2.62	86	MS	FR		
182.88	185.93	3.05	2.95	97	2.61	86	MS	FR		
185.93	188.98	3.05	3.00	98	3.00	98	MS	FR		
188.98	192.02	3.04	2.86	94	2.28	75	MS	FR		
192.02	195.07	3.05	3.02	99	2.76	90	MS	FR		
195.07	197.82	2.75	2.55	93	2.43	88	MS	FR		
197.82	198.12	0.30	0.30	100	0.32	107	MS	FR		
198.12	201.17	3.05	3.01	99	2.63	86	MS	FR		
201.17	204.22	3.05	3.05	100	2.83	93	MS	FR		
204.22	207.26	3.04	2.79	92	2.10	69	MS	FR		
207.26	E.O.H.									

MAGNETIC SUSCEPTIBILITY LOG

HOLE: CH-10-02

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00			N/A	Overburden
2.00			N/A	Overburden
3.00			N/A	Overburden
4.00	LST	DOL	0.12	
5.00	LST	DOL	1.18	
6.00	LST	DOL	0.08	
7.00	LST	DOL	0.00	
8.00	LST	DOL	0.00	
9.00	LST	DOL	0.47	
10.00	LST	DOL	0.61	
11.00	LST	DOL	0.04	
12.00	LST	DOL	0.22	
13.00	LST	DOL	0.00	
14.00	LST	DOL	0.10	
15.00	LST	DOL	0.43	
16.00	LST	DOL	0.00	
17.00	LST	DOL	0.00	
18.00	LST	DOL	0.02	
19.00	LST	DOL	0.10	
20.00	LST		0.24	
21.00	LST	DOL	0.26	
22.00	DOL		0.00	
23.00	DOL		0.55	
24.00	DOL		0.00	
25.00	DOL		0.00	
26.00	DOL		0.08	
27.00	LST	DOL	0.92	
28.00	LST	DOL	0.38	
29.00	LST	DOL	0.10	
30.00	LST	DOL	0.77	
31.00	LST	DOL	0.82	
32.00	LST	DOL	1.76	
33.00	LST	DOL	0.08	
34.00	LST	DOL	0.63	
35.00	LST	DOL	0.00	
36.00	LST	DOL	0.30	
37.00	LST	DOL	1.33	
38.00	LST	DOL	0.63	
39.00	LST	DOL	0.94	
40.00	LST	DOL	1.02	
41.00	LST	DOL	0.16	
42.00	LST	DOL	0.00	
43.00	LST	DOL	7.05	
44.00	LST	DOL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	LST	DOL	2.31	
46.00	LST	DOL	1.31	
47.00	LST	DOL	0.32	
48.00	LST	DOL	4.26	
49.00	LST	DOL	0.41	
50.00	LST	DOL	0.59	
51.00	LST	DOL	0.98	
52.00	LST	DOL	0.00	
53.00	LST	DOL	0.38	
54.00	LST	DOL	3.46	
55.00	LST	DOL	0.34	
56.00	LST	DOL	0.10	
57.00	LST	DOL	0.00	
58.00	LST	DOL	0.00	
59.00	LST	DOL	0.08	
60.00	LST	DOL	0.00	
61.00	LST	DOL	1.98	
62.00	LST	DOL	0.00	
63.00	LST	DOL	0.00	
64.00	LST	DOL	0.94	
65.00	LST	DOL	0.00	
66.00	LST	DOL	3.48	
67.00	LST	DOL	0.41	
68.00	LST	DOL	1.51	
69.00	LST	DOL	0.00	
70.00	LST	DOL	1.00	
71.00	LST	DOL	4.79	
72.00	LST	DOL	1.88	
73.00	LST	DOL	0.69	
74.00	LST	DOL	9.61	
75.00	LST	DOL	0.16	
76.00	LST	DOL	0.84	
77.00	LST	SIL	0.51	
78.00	LST	SIL	0.00	
79.00	LST	SIL	0.00	
80.00	LST	SIL	2.74	
81.00	LST	SIL	0.10	
82.00	LST	SIL	0.00	
83.00	LST	SIL	0.57	
84.00	LST	SIL	0.18	
85.00	LST	SIL	0.73	
86.00	LST	SIL	0.00	
87.00	LST	SIL	0.88	
88.00	LST	SIL	0.26	
89.00	LST	DOL	0.67	
90.00	VOL	OX	1.12	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	VOL	OX	0.00	
92.00	LST		0.00	
93.00	VOL	OX	3.32	
94.00	VOL	OX	0.00	
95.00	LST	DOL	2.11	
96.00	VOL	OX	0.00	
97.00	VOL	OX	0.77	
98.00	VOL	OX	0.18	
99.00	LST		0.53	
100.00	LST		0.73	
101.00	LST		1.00	
102.00	LST		0.00	
103.00	LST		0.82	
104.00	OX	Qz	0.00	
105.00	OX	Qz	0.36	
106.00	LST	DOL	0.59	
107.00	LST	DOL	0.00	
108.00	LST	DOL	0.38	
109.00	LST	DOL	0.75	
110.00	LST	DOL	0.67	
111.00	LST	DOL	1.10	
112.00	VN	Qz	0.82	
113.00	LST	DOL	0.96	
114.00	LST	DOL	0.22	
115.00	LST	DOL	0.36	
116.00	LST	DOL	0.57	
117.00	LST	DOL	1.31	
118.00	LST	DOL	0.00	
119.00	LST	DOL	1.00	
120.00	LST	DOL	0.98	
121.00	LST	DOL	0.59	
122.00	LST	DOL	1.10	
123.00	LST	DOL	0.98	
124.00	LST	DOL	0.57	
125.00	LST	DOL	0.67	
126.00	LST	DOL	0.47	
127.00	LST	DOL	1.14	
128.00	LST	DOL	0.61	
129.00	LST	DOL	1.06	
130.00	LST	DOL	0.84	
131.00	LST	SIL	0.86	
132.00	LST	SIL	0.38	
133.00	LST	SIL	1.27	
134.00	LST	SIL	0.00	
135.00	LST	SIL	0.73	
136.00	LST	SIL	1.31	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	LST	SIL	0.69	
138.00	LST	SIL	1.18	
139.00	LST	SIL	1.43	
140.00	LST	SIL	0.12	
141.00	LST	SIL	0.43	
142.00	LST	DOL	0.67	
143.00	LST	DOL	1.49	
144.00	LST	DOL	0.49	
145.00	LST	DOL	1.23	
146.00	LST	DOL	0.10	
147.00	LST	DOL	0.55	
148.00	LST	DOL	0.92	
149.00	LST	DOL	3.60	
150.00	LST	DOL	0.71	
151.00	LST	DOL	0.57	
152.00	LST	DOL	0.73	
153.00	LST	DOL	6.31	
154.00	LST	DOL	1.64	
155.00	LST	DOL	0.88	
156.00	LST	DOL	0.23	
157.00	LST	DOL	0.45	
158.00	LST	DOL	0.24	
159.00	LST	DOL	1.13	
160.00	LST	DOL	0.00	
161.00	LST	DOL	0.00	
162.00	LST	DOL	0.00	
163.00	LST	DOL	0.34	
164.00	LST	DOL	0.00	
165.00	LST	DOL	0.00	
166.00	LST	DOL	0.00	
167.00	LST	DOL	0.00	
168.00	LST	DOL	0.57	
169.00	LST	DOL	0.00	
170.00	LST	DOL	0.78	
171.00	LST	DOL	0.00	
172.00	LST	DOL	0.00	
173.00	LST	DOL	0.82	
174.00	LST	DOL	5.04	
175.00	LST	DOL	0.00	
176.00	LST	DOL	0.00	
177.00	LST	DOL	3.11	
178.00	LST	DOL	0.00	
179.00	LST	DOL	1.51	
180.00	LST	DOL	0.00	
181.00	LST	DOL	0.94	
182.00	LST	DOL	3.03	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00	LST	DOL	0.00	
184.00	LST	DOL	1.43	
185.00	LST	DOL	0.00	
186.00	LST	DOL	1.08	
187.00	LST	DOL	0.00	
188.00	LST	DOL	0.12	
189.00	LST	DOL	0.00	
190.00	LST	DOL	0.34	
191.00	LST	DOL	0.10	
192.00	LST	DOL	1.94	
193.00	LST	DOL	2.87	
194.00	LST	DOL	0.00	
195.00	LST	DOL	0.43	
196.00	LST	DOL	2.58	
197.00	LST	DOL	1.55	
198.00	LST	DOL	0.96	
199.00	LST	DOL	0.00	
200.00	LST	DOL	1.33	
201.00	LST	DOL	2.74	
202.00	LST	DOL	2.35	
203.00	LST	DOL	0.73	
204.00	LST	DOL	0.86	
205.00	LST	DOL	2.99	
206.00	LST	DOL	0.79	
207.00	LST	DOL	1.90	

DENSITY LOG

HOLE: CH-10-02

Depth (m)	Unit	Modifier	Texture	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
				Py %	As %	Other	%							
10.01	LST	DOL	sBX						14.4	4.2	530.8	337.8	2.71	2.75
26.41	LST	DOL							14.9	4.2	559.5	355.0	2.76	2.74
44.18	LST	DOL							14.7	4.2	563.6	364.2	2.82	2.83
65.76	LST	DOL	cBX	t					14.9	4.2	555.4	353.9	2.74	2.76
163.00	LST	DOL	sBX						14.6	4.2	565.3	362.9	2.85	2.79
176.85	LST	DOL							14.9	4.2	560.9	369.2	2.77	2.93

BOX LOG

HOLE: CH-10-02

BOX	FROM (m)	TO (m)
1	3.05	9.80
2	9.80	15.24
3	15.24	21.08
4	21.08	26.81
5	26.81	31.55
6	31.55	36.66
7	36.66	42.11
8	42.11	47.94
9	47.94	53.61
10	53.61	59.09
11	59.09	64.82
12	64.82	70.39
13	70.39	76.36
14	76.36	81.88
15	81.88	87.18
16	87.18	91.93
17	91.93	97.54
18	97.54	102.04
19	102.04	108.55
20	108.55	114.33
21	114.33	119.25
22	119.25	124.70
23	124.70	129.69
24	129.69	133.92
25	133.92	139.43
26	139.43	144.44
27	144.44	149.84
28	149.84	155.16
29	155.16	160.52
30	160.52	165.88
31	165.88	170.69
32	170.69	176.42
33	176.42	181.78
34	181.78	187.35
35	187.35	193.20

BOX	FROM (m)	TO (m)
36	193.20	198.82
37	198.82	204.52
38	204.52	207.26
207.26 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
		524821	7122034	1726	163.07

ZONE: Cheetah

SECTION:

HOLE: CH-10-03

CLAIM:

Contractor: Beaudoin

Drill: 4

Core size: BTW

Casing depth: 3.05 m out

Drilling dates: August 16-18, 2010

Geology logged by: K. Wynne

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	320	-50.0	compass				
162.07	320	-50.0					

TARGET: Structurally hosted Oxide.

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	3.05	3.05	OVB	
3.05	57.41	54.36	LST	Moderate strong DOL and SIL, sBX.
57.41	96.12	38.71	LST	DOL, SIL, locally OX LST.
96.12	107.68	11.56	OX	Non-calcareous clay to altered core.
107.68	163.07	55.39	LST	DOL and SIL, sBX.
163.07	E.O.H.			

SAMPLES

Numbers: J980621-J980643

Total: 23

Batch: 4

Date Sent: August 19, 2010

Certificate: VA10117909

COMMENTS

The hole was ended because it was past the targeted oxide horizon.

GEOLOGY LOG

HOLE: CH-10-03

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	3.05	3.05				OVB			Overburden - No Recovery																		
3.05	57.41	54.36				LST	DOL	sBX	Dark grey and buff, weak to intensely DOL LST with sBX texture as buff patches and alteration rims around thin VT and seams, and grey patches in buff DOL LST. The interval is weakly to strongly SIL with zones of <0.5 cm SIL spots closely spaced together and pervasive SIL zones. Local purple grey colour is commonly associated with trace FG disseminated OX MX possibly siderite or hematite. DOL and Ca VT with FG OX MX on rims. Decrease in VT concentration down interval.					ms			w	SIL	ms									
			38.66	39.62	0.96	LST	DOL		Medium buff intensely DOL strong SIL LST with thin SID/Ca VT set in high density, 20 to 30 degrees.	VT	25		20	i				SIL	s								
			40.45	53.41	12.96	LST	DOL	sBX	Medium grey to buff, sBX DOL LST, locally with strong SIL alteration (generally moderate strong). Seams and patches of Ca/DOL with bituminous spots occur throughout. One layer < 5 cm has DOL crystals forming rims and intraclasts in bituminous layer, indicating that DOL/Ca are growth crystals in bitumen layers. OX occurs on rims of some of the layers and patches.					s		w		SIL	ms								
57.41	96.12	38.71				LST	OX		Light to medium buff, moderate to strong DOL LST with overprinted weak sBX. Fair to strong SIL. SID/Ca VT through interval at 40-60 deg to CA, locally forming a cBX texture. LST locally fair to intensely OX and SID altered to a medium brown or purplish grey. Zones of intense OX through interval as orange brown clay to rubble, become more common down interval. Qz VN to VT occur within the moderate to intense OX and SID LST and rubble. Trace FG disseminated OX MX.	VT	50			s		m	m	SIL	ms								
			66.14	66.19	0.05	LST	OX		Medium buff and grey, strong SIL as a spotted texture. A bleb of calcareous bright orange OX with Smithsonite.							s		SMI	f								
			67.16	67.31	0.15	OX			Light orange brown clay to rubble, predominantly silt. Rubble and portions of silt strongly calcareous.							i							Sm	w			
			69.79	70.01	0.22	OX			Medium brown clay to LST rubble, predominantly grit, weakly calcareous.							i											

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			70.27	70.47	0.20	OX			Medium brown clay to LST rubble, predominantly grit, weakly calcareous.							i											
			70.85	71.18	0.33	OX			Medium brown clay to LST rubble, predominantly grit, weakly calcareous.							i											
			74.75	74.80	0.05				Dark grey non-calcareous, soft bituminous mudstone layer with OX on lCN for ~ 3 cm							ms											
			74.98	75.21	0.23	OX			Light orange brown, weakly calcareous, clay to rubble. Some rubble has planar habit.							i											
			82.32	83.11	0.79	OX	LST		Medium orange brown clay to silt, very weakly calcareous, with LST clasts and core pieces < 10 cm long.							i											
			85.00	86.33	1.33	SID			Dark purple brown, intensely SID altered zone with weak MG-CG subhedral disseminated OX MX. BX of SID by Ca occurs over 10 cm. The interval is generally very altered core to grit, with moderate orange brown OX in core and in a zone < 15 cm long.							m	i										
			86.33	91.14	4.81	OX	Qz		Orange brown to dark red black intensely OX, weakly SID interval, rich in < 3 cm Qz rubble, and increasingly Qz rich down interval. OX is clay to rubble, predominantly silt.																			
			86.43	86.73	0.30	LST	Qz		Medium purple grey LST, mBX by Qz VT. Only solid core in interval.																	
			91.14	92.41	1.27	LST			Medium to light brown competent LST core, with thin SID VT and Qz VT. Moderate strong OX in patches and layers. Irregular Qz VT irregular 60 degrees.	VT	60		15			ms	i										
			92.41	94.19	1.78	OX			Medium to light brown clay to rubble. The first 20 cm contains Qz and LST rubble, while the remainder of interval is non-calcareous. A patchy colour from medium to light yellow brown occurs over the last 40 cm.																			
			95.24	95.66	0.42	OX			Bright orange to medium brown oxide, with a dark red brown sideritic component.							i	f										
96.12	107.68	11.56				OX			Bright orange to dark red/black and yellow to medium brown, clay to very altered core, predominantly silt holding core shape. Non-calcareous.							i	i										
			96.12	96.74	0.62	OX			Medium brown, non-calcareous, silt to clay, predominantly clay.							i											
			96.74	99.52	2.78	OX			Light brown and dark brown to black intensely sideritic clay to rubble, predominantly rubble. Zones of orange brown grit < 15 cm wide also occur.							m	i										

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			99.52	100.58	1.06	OX			Light yellow brown to medium brown clay to silt, non-calcareous, predominantly clay. Trace Qz rubble.																		
			100.58	107.68	7.10	OX			Bright orange to black intensely OX, strongly sideritic. Does not fizz in 10% HCl. Predominantly still holding core shape. Sharp lCN with DOL LST.							i	s	SMI	w								
107.68	163.07	55.39				LST	DOL	sBX	Dark to medium grey, and yellow buff to purple grey moderate to intensely DOL sBX LST with moderately strong to strong SIL alteration. sBX texture occurs as irregularly shaped patches that are variably coloured and locally form layers defining a weak FO.					s	ms			SIL	s								
			117.15	125.65	8.50	LST	DOL	sBX	Light to medium yellow buff and light pink buff, with dark to medium grey patches and spots, intensely DOL, moderate ANK, and strong SIL sBX LST. Local dark grey sBX clasts, with sBX mostly expressed as non-dolomitized patches and spots.					i	m			SIL	s								x
			125.65	144.32	18.67	LST	SIL	sBX	Medium to dark grey SIL LST with sBX purple grey and yellow buff DOL/AK in patches around DOL VT and blebs, and pervasive through zones. Yellow colour appears to be in more intense DOL/AK patches, with purple grey as moderate strong DOL. DOL VT through interval, locally mBX LST, have trace FG OX MX and SID on rims. Possible very altered graptolite fossil at 139.00 m.					ms	w			SIL	s								x
			140.47	141.45	0.98				Irregular vCG DOL/Qz VN's < 10 cm thick, with MG DOL alteration rim. Locally VN mBX to sBX SIL LST, and have vugs.																		
			141.45	151.79	10.34	LST	DOL	sBX	Light yellow buff DOL/ANK, sBX dark to medium grey LST, with moderate strong SIL of interval. sBX as layers defining weak FO, locally intensely DOL enough to leave only grey spots and irregular patches as remnants. Light purple grey appears to be weak DOL of grey LST, occurs locally as blebs and in zones < 50 cm. MG euhedral DOL crystals occur with SID and Ca infilling vugs.					s				SIL	ms								
			151.79	160.66	8.87	LST	DOL	sBX	Yellow buff and medium grey sBX, intense DOL, fair SIL LST. Trace to weak OX with light orange brown sBX layers, SID VT, and brown fracture surfaces and rubble zones with sugary texture. Small dark grey spots and seams have overprinted dendritic appearance.							w		SIL	f								

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			160.66	163.07	2.41	LST	SIL	sBX	Medium grey, strong SIL, fair DOL, very weakly sBX LST as buff patches. Has gradational uCN with buff DOL zones < 50 cm long. Trace OX on FX and pervasive through core locally. Thin FX seam set, dark brown (SID?).	FX	40			f		t		SIL	s								
									163.07 m: E.O.H. - The hole was ended because the targeted depth was passed.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: CH-10-03

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
54.86	57.91	3.05	LST	DOL	2.30	75	J980621	4					
57.91	60.96	3.05	LST	OX	1.87	61	J980622	4					
60.96	64.01	3.05	LST	OX	2.60	85	J980623	4					
64.01	67.06	3.05	LST	OX	2.80	92	J980624	4					
67.06	70.10	3.04	OX		2.71	89	J980625	4					
70.10	73.15	3.05	OX		2.18	71	J980626	4					
73.15	76.20	3.05	OX		2.50	82	J980627	4					
76.20	79.25	3.05	LST	OX	2.37	78	J980628	4					
79.25	82.30	3.05	LST	OX	2.84	93	J980629	4					
82.30	85.34	3.04	OX	LST	2.37	78	J980630	4					
85.34	88.39	3.05	OX	Qz	2.58	85	J980631	4					
-	-	-	-	-	-	-	J980632	4					Blank (BTW)
88.39	91.44	3.05	OX	Qz	1.37	45	J980633	4					
91.44	94.49	3.05	OX		2.40	79	J980634	4					
94.49	97.54	3.05	OX		2.67	88	J980635	4					
97.54	100.58	3.04	OX		2.62	86	J980636	4					
-	-	-	-	-	-	-	J980637	4					Standard (ROS-2)
100.58	103.63	3.05	OX		2.74	90	J980638	4					
103.63	106.68	3.05	OX		2.82	92	J980639	4					
106.68	107.68	1.00	OX		0.93	93	J980640	4					
-	-	-	-	-	-	-	J980641	4					Standard (ROS-1)
107.68	109.73	2.05	LST	DOL	1.97	96	J980642	4					
109.73	112.78	3.05	LST	DOL	3.05	100	J980643	4					

GEOTECHNICAL LOG

HOLE: CH-10-03

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
3.05	6.10	3.05	0.46	15	0.00	0	MS	FR		
6.10	9.14	3.04	2.81	92	1.58	52	MS	FR		
9.14	12.19	3.05	3.03	99	2.22	73	MS	FR		
12.19	15.24	3.05	2.65	87	1.45	48	MS	FR		
15.24	18.29	3.05	2.78	91	0.98	32	MS	FR		
18.29	21.34	3.05	2.65	87	1.68	55	MS	FR		
21.34	24.38	3.04	3.02	99	2.28	75	MS	FR		
24.38	27.43	3.05	3.00	98	1.60	52	MS	FR		
27.43	30.48	3.05	2.63	86	1.20	39	W	SW		
30.48	33.53	3.05	2.40	79	1.02	33	MS	FR		
33.53	36.58	3.05	2.75	90	1.64	54	MS	FR		
36.58	39.62	3.04	2.87	94	2.15	71	MS	FR		
39.62	42.67	3.05	2.83	93	2.18	71	MS	FR		
42.67	45.72	3.05	1.94	64	1.35	44	MS	FR		
45.72	48.77	3.05	2.85	93	2.01	66	MS	FR		
48.77	51.82	3.05	2.96	97	2.19	72	MS	FR		
51.82	54.86	3.04	3.04	100	2.03	67	MS	FR		
54.86	57.91	3.05	2.30	75	1.20	39	MS	SW		
57.91	60.96	3.05	1.87	61	0.53	17	EW	EW	7.5YR 4/3	
60.96	64.01	3.05	2.60	85	1.50	49	MS	MW		
64.01	67.06	3.05	2.80	92	2.24	73	MS	SW		
67.06	70.10	3.04	2.71	89	2.08	68	W	VW		
70.10	73.15	3.05	2.18	71	0.77	25	EW	EW	7.5YR 4/3	
73.15	76.20	3.05	2.50	82	0.78	26	W	VW		
76.20	79.25	3.05	2.37	78	1.50	49	W	MW		
79.25	82.30	3.05	2.84	93	2.50	82	MS	SW		
82.30	85.34	3.04	2.37	78	0.60	20	EW	EW	10YR 4/6	OXIDE
85.34	88.39	3.05	2.58	85	0.38	12	EW	EW	10YR 4/4	OXIDE
88.39	91.44	3.05	1.37	45	0.10	3	EW	EW	5YR 5/6	OXIDE
91.44	94.49	3.05	2.40	79	0.35	11	EW	EW	7.5YR 4/3	OXIDE
94.49	97.54	3.05	2.67	88	0.62	20	EW	EW	5YR 4/4	OXIDE
97.54	100.58	3.04	2.62	86	0.00	0	EW	EW	7.5YR 4/4	OXIDE
100.58	103.63	3.05	2.74	90	0.00	0	EW	EW	5YR 5/6	OXIDE
103.63	106.68	3.05	2.82	92	0.00	0	EW	EW	5YR 5/6	OXIDE
106.68	109.73	3.05	2.95	97	1.90	62	MS	SW	5YR5/6	0.98 cm of OXIDE (EW, EW)
109.73	112.78	3.05	3.05	100	2.68	88	MS	SW		
112.78	115.82	3.04	3.01	99	1.98	65	MS	SW		
115.82	118.87	3.05	3.03	99	2.82	92	MS	SW		
118.87	121.92	3.05	3.05	100	2.99	98	MS	SW		
121.92	124.97	3.05	3.00	98	2.74	90	MS	SW		
124.97	128.02	3.05	2.69	88	2.51	82	MS	SW		
128.02	131.06	3.04	3.04	100	1.99	65	MS	SW		
131.06	134.11	3.05	3.05	100	2.68	88	MS	SW		
134.11	137.16	3.05	3.05	100	1.89	62	MS	SW		
137.16	140.21	3.05	3.05	100	1.79	59	MS	SW		
140.21	143.26	3.05	2.93	96	2.45	80	MS	SW		
143.26	146.30	3.04	3.01	99	1.98	65	MS	SW		
146.30	149.35	3.05	3.05	100	2.70	89	MS	SW		
149.35	152.40	3.05	2.98	98	2.06	68	MS	SW		
152.40	155.45	3.05	2.19	72	1.49	49	MS	SW		11 cm of ice at 154.88 m
155.45	158.50	3.05	2.77	91	2.14	70	W	MW		12 cm of ice at 155.86 m

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
158.50	161.54	3.04	2.65	87	1.47	48	W	SW		10 cm of ice at 159.48 m, 3 cm of ice at 160.30, 7 cm of ice at 160.90 m, 4 cm of ice at 161.17 m
161.54	163.07	1.53	1.53	100	1.39	91	W	MW		
163.07	E.O.H.									

MAGNETIC SUSCEPTIBILITY LOG

HOLE: CH-10-03

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	OVB		N/A	Overburden
2.00	OVB		N/A	Overburden
3.00	OVB		N/A	Overburden
4.00	LST	DOL	0.14	
5.00	LST	DOL	0.30	
6.00	LST	DOL	0.41	
7.00	LST	DOL	0.26	
8.00	LST	DOL	0.24	
9.00	LST	DOL	0.36	
10.00	LST	DOL	0.30	
11.00	LST	DOL	2.70	
12.00	LST	DOL	1.47	
13.00	LST	DOL	0.00	
14.00	LST	DOL	2.25	
15.00	LST	DOL	0.59	
16.00	LST	DOL	0.00	
17.00	LST	DOL	1.20	
18.00	LST	DOL	0.00	
19.00	LST	DOL	0.00	
20.00	LST	DOL	0.00	
21.00	LST	DOL	0.00	
22.00	LST	DOL	1.06	
23.00	LST	DOL	0.77	
24.00	LST	DOL	1.86	
25.00	LST	DOL	0.04	
26.00	LST	DOL	4.65	
27.00	LST	DOL	0.00	
28.00	LST	DOL	0.16	
29.00	LST	DOL	0.14	
30.00	LST	DOL	1.80	
31.00	LST	DOL	0.00	
32.00	LST	DOL	0.00	
33.00	LST	DOL	1.23	
34.00	LST	DOL	0.28	
35.00	LST	DOL	2.27	
36.00	LST	DOL	0.00	
37.00	LST	DOL	4.59	
38.00	LST	DOL	0.00	
39.00	LST	DOL	0.71	
40.00	LST	DOL	0.00	
41.00	LST	DOL	0.00	
42.00	LST	DOL	0.32	
43.00	LST	DOL	0.45	
44.00	LST	DOL	0.73	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	LST	DOL	0.59	
46.00	LST	DOL	1.90	
47.00	LST	DOL	0.32	
48.00	LST	DOL	0.18	
49.00	LST	DOL	2.35	
50.00	LST	DOL	1.45	
51.00	LST	DOL	0.37	
52.00	LST	DOL	0.00	
53.00	LST	DOL	1.10	
54.00	LST	DOL	0.92	
55.00	LST	DOL	1.23	
56.00	LST	DOL	0.62	
57.00	LST	DOL	0.82	
58.00	LST	OX	0.00	
59.00	LST	OX	4.30	
60.00	LST	OX	1.94	
61.00	LST	OX	1.45	
62.00	LST	OX	2.68	
63.00	LST	OX	0.00	
64.00	LST	OX	3.64	
65.00	LST	OX	0.69	
66.00	LST	OX	2.76	
67.00	LST	OX	3.93	
68.00	LST	OX	1.92	
69.00	LST	OX	1.94	
70.00	OX		0.10	
71.00	OX		0.73	
72.00	LST	OX	2.95	
73.00	LST	OX	1.86	
74.00	LST	OX	0.00	
75.00	OX		0.76	
76.00	LST	OX	0.60	
77.00	LST	OX	0.53	
78.00	LST	OX	0.41	
79.00	LST	OX	0.00	
80.00	LST	OX	0.67	
81.00	LST	OX	1.04	
82.00	LST	OX	0.92	
83.00	OX	LST	1.20	
84.00	LST	OX	0.39	
85.00	LST	OX	3.28	
86.00	SID		0.00	
87.00	OX	Qz	0.00	
88.00	OX	Qz	0.15	
89.00	OX	Qz	0.39	
90.00	OX	Qz	0.40	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	OX	Qz	0.00	
92.00	LST		0.00	
93.00	OX		0.00	
94.00	OX		2.87	
95.00	OX		0.00	
96.00	OX		4.10	
97.00	OX		0.36	
98.00	OX		0.49	
99.00	OX		0.24	
100.00	OX		0.56	
101.00	OX		0.60	
102.00	OX		0.11	
103.00	OX		0.79	
104.00	OX		0.62	
105.00	OX		1.92	
106.00	OX		2.56	
107.00	OX		2.19	
108.00	LST	DOL	0.00	
109.00	LST	DOL	0.04	
110.00	LST	DOL	0.49	
111.00	LST	DOL	0.82	
112.00	LST	DOL	0.61	
113.00	LST	DOL	2.91	
114.00	LST	DOL	0.20	
115.00	LST	DOL	0.75	
116.00	LST	DOL	2.00	
117.00	LST	DOL	0.43	
118.00	LST	DOL	0.00	
119.00	LST	DOL	2.93	
120.00	LST	DOL	0.00	
121.00	LST	DOL	2.70	
122.00	LST	DOL	3.21	
123.00	LST	DOL	0.73	
124.00	LST	DOL	0.34	
125.00	LST	DOL	0.88	
126.00	LST	DOL	0.00	
127.00	LST	DOL	1.35	
128.00	LST	DOL	2.25	
129.00	LST	DOL	1.23	
130.00	LST	DOL	1.82	
131.00	LST	DOL	0.00	
132.00	LST	DOL	3.42	
133.00	LST	DOL	0.00	
134.00	LST	DOL	0.12	
135.00	LST	DOL	1.55	
136.00	LST	DOL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	LST	DOL	0.00	
138.00	LST	DOL	1.94	
139.00	LST	DOL	0.00	
140.00	LST	DOL	0.08	
141.00	LST	DOL	0.16	
142.00	LST	DOL	0.69	
143.00	LST	DOL	0.00	
144.00	LST	DOL	0.61	
145.00	LST	DOL	0.96	
146.00	LST	DOL	0.79	
147.00	LST	DOL	0.00	
148.00	LST	DOL	0.63	
149.00	LST	DOL	1.57	
150.00	LST	DOL	0.00	
151.00	LST	DOL	0.41	
152.00	LST	DOL	0.55	
153.00	LST	DOL	1.53	
154.00	LST	DOL	0.22	
155.00	LST	DOL	0.00	
156.00	LST	DOL	0.00	
157.00	LST	DOL	0.34	
158.00	LST	DOL	0.14	
159.00	LST	DOL	1.55	
160.00	LST	DOL	0.30	
161.00	LST	DOL	0.08	
162.00	LST	DOL	0.00	
163.00	LST	DOL	1.06	

DENSITY LOG

HOLE: CH-10-03

Depth (m)	Unit	Modifier	Texture	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
				Py %	As %	Other	%							
11.10	LST	DOL						DOL LST	14.9	4.2	560.3	360.2	2.77	2.80
45.85	LST	DOL						DOL LST	14.6	4.2	551.0	353.1	2.78	2.78
81.10	LST	DOL						DOL LST SID VT	14.9	4.2	541.3	340.0	2.67	2.69

HOLE: CH-10-03

Box #	Diameter (cm)	From (m)	To (m)	Unit	Modifier	Recovery	Weight	Density	Comments
15	4.2	86.57	93.72	OX	LST	4.28	39.3	3.06	60% oxide
16	4.2	93.72	99.07	LST	OX	4.25	37.3	2.93	40% oxide
17	4.2	99.07	104.48	OX		4.35	35.8	2.74	

BOX LOG

HOLE: CH-10-03

BOX	FROM (m)	TO (m)
1	3.05	10.77
2	10.77	16.38
3	16.38	22.15
4	22.15	27.43
5	27.43	33.25
6	33.25	38.66
7	38.66	44.06
8	44.06	50.75
9	50.75	56.76
10	56.76	62.59
11	62.59	68.60
12	68.60	74.51
13	74.51	80.68
14	80.68	86.57
15	86.57	93.72
16	93.72	99.07
17	99.07	104.48
18	104.48	110.26
19	110.26	115.82
20	115.82	121.50
21	121.50	127.03
22	127.03	132.86
23	132.86	138.62
24	138.62	144.37
25	144.37	149.78
26	149.78	155.81
27	155.81	161.65
28	161.65	163.07
163.07 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
		524821	7122034	1726	131.06

ZONE: Cheetah

SECTION:

HOLE: CH-10-04

CLAIM:

Contractor: Beaudoin

Drill: 4

Core size: BTW

Casing depth: 6.71 m in

Drilling dates: August 18 - 20, 2010

Geology logged by: K. Wynne

TARGET: Structurally hosted Oxide

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	320	-60.0	compass				
130.06	320	-63.0	acid test				

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	6.71	6.71	OVB	
6.71	104.09	97.38	LST	DOL, SIL, sBX. OX increasing down interval
104.09	121.80	17.71	OX	Clay to silt.
121.80	131.06	9.26	LST	DOL, SIL, sBX.

SAMPLES

Numbers: J980644-J980685

Total: 42

Batch: 5, 6

Date Sent: August 21, 30 2010

Certificate: VA10120434, VA10121213, VA10125455

COMMENTS

The hole was ended because it was past the targeted oxide horizon. All rods and casing froze into the ground.

GEOLOGY LOG

HOLE: CH-10-04

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	Photo
0.00	6.71	6.71				OVB			Overburden - no recovery																		
6.71	104.09	97.38				LST	DOL	sBX	Medium grey to light purple and light yellow-buff, variably moderate strong to intense DOL, moderately strong SIL, variably sBX LST. sBX texture of irregular patches of more and less DOL altered LST. Yellow buff zones appear to be more intensely DOL, possibly ANK altered. Down interval, the sBX texture occurs as grey spots < 0.5 cm and subrounded variably overprinted grey and buff clasts. Thin SID VT occur throughout the interval, increasing down interval. OX zones begin down interval and become gradationally more intense towards lCN with OX.					s		w		SIL	ms								
			6.71	36.53	29.82	LST	DOL	sBX	Dark to light grey and buff with a yellow or purple tint. Strongly DOL, strong to moderately strong SIL altered, sBX LST. The sBX texture occurs as alteration patches of yellow and purple tinted buff DOL and as grey non-DOL patches. DOL/Ca VT and VN with irregular orientations have SID and smithsonite on rims and trace FG OX MX. lCN has thin irregular seams with FG DOL crystals, bituminous infill and OX on rims.					s				SIL	ms								
									SID/Ca VT with orientation at 45 deg to CA.	VT	45						s										
			17.88	18.71	0.83	SID	LST	VN	Calcareous VN and VT < 3 cm wide with OX and smithsonite and black dendritic rims transitioning into the LST.	VN	45																
			36.53	44.35	7.82	LST	DOL	sBX	Yellow buff intense DOL LST, with grey patches and zones of moderately strong SIL alteration and grey and buff patchy sBX. Irregular layers of dark grey bituminous material < 15 cm with FG to MG DOL/Ca crystals composing 50% to 90% of the layers. sBX DOL/LST with orange brown OX rims around clasts and sides and local pink colour through layer. Irregular floating habit of some DOL/Ca crystals suggests bitumen as primary infill with DOL as growth crystals. Some bituminous layers have fracture surface showing planar habit, dark grey to light green, with sheen; perhaps VOL? Zones of < 0.5 cm grey overprinted spots occur within the DOL and have weak OX rim separating them from bituminous layers. The grey spots are possibly a more overprinted version of bituminous layers?					i				SIL	ms								x

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			44.35	56.27	11.92	LST	DOL	sBX	Medium grey and buff, intense DOL LST, with strong SIL alteration and sBX textures as grey and dark buff spots in light buff DOL. Spotted texture overprints locally cryptic medium grey or buff subrounded sBX clasts. Zones where clasts are less overprinted have bituminous infills. Layers of black bituminous material and FG DOL/Ca crystals occur within the first few meters as a gradational uCN. Broken and mud coated intervals <50 cm occur throughout.	uCN				i				SIL	s								
									Dolomite VT are scattered throughout the interval.	VT	45																
			56.27	60.51	4.24	LST	DOL	sBX	Buff strong DOL, intense sBX LST, fair SIL with some Qz/chert clasts. sBX variably overprinted, with buff clasts, some of which are altered orange brown in their centres. Medium grey to buff matrix, with variable bitumen infill. LST locally recrystalized to FG Ca/DOL, variably calcareous.					s				SIL	f								x
			60.51	104.09	43.58	LST	DOL	sBX	Very broken up medium buff, intensely DOL LST that has sBX textures in the form of medium grey unaltered patches, with Ca and FG DOL crystals. Locally strong SIL alteration, but generally moderate. Thin SID VT locally cBX rock and Qz/Ca/SID VT and VN at 40 deg to CA. Both VT sets can be locally erratic. Zones of intense OX/SID and trace to moderate OX on FX, VT rims, and in patches. Trace FG disseminated OX MX.	VT	40			i		f	w	SIL	m								
			61.79	62.12	0.33	LST	SIL		Medium grey intensely SIL LST, with buff FG crystalline DOL forming cBX texture.									SIL	i								
			64.60	65.04	0.44	OX	LST		Medium brown strongly calcareous clay to silt, predominantly silt, with LST rubble and core.																		
			67.03	68.02	0.99	OX			Medium orange brown to black, intensely SID altered strongly calcareous OX. CG SID crystals occur over < 50 cm until 67.27 m. The final 20 cm of rubble to silt, contain Qz.							m	i									
			75.96	76.07	0.11	OX			Subrounded buff DOL LST clasts < 1 cm wide within calcareous orange brown OX matrix.							s										
			76.37	77.28	0.91	DOL	OX		Medium brown and grey, very broken DOL LST with zones < 20 cm thick of medium brown variably calcareous clay to predominantly silt.							w										
			79.65	80.11	0.46	LST	OX		Medium brown calcareous clay to predominantly silt in zones < 20 cm thick within medium grey and buff DOL LST.							i										
			86.40	86.78	0.38	OX	LST		Medium brown calcareous clay to predominantly silt with LST pieces < 4 cm wide.							i										

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			90.01	91.15	1.14	OX	SID		Dark brown to black calcareous, intensely SID altered core with Qz patches that are all coated in orange brown clay to silt oxide. This clay to silt oxide composes the last 15 cm of interval along with minor LST rubble.							s	i											
			92.90	94.09	1.19	OX			Orange brown weakly calcareous clay to silt, predominantly silt, in zones < 20 cm long within DOL LST. The LST is moderately OX in patches.							s											
			97.54	99.74	2.20	OX			Light yellow brown and dark brown to black non calcareous OX, becoming more orange-brown down interval, non-calcareous clay to grit, predominantly silt.							s	m										
			99.74	100.79	1.05				Very broken LST and light brown clay to silt. The last 10 cm are bright orange brown OX, possibly with smithsonite.							ms											
104.09	121.80	17.71				OX			Bright orange-brown to black, intensely OX and SID rich clay to rubble. The rubble is mostly Qz < 5 cm, usually ~ 0.5 cm diameter within silty oxide.							i	i										
			104.09	104.54	0.45	OX			Dark red brown to black, intensely SID altered non calcareous silty OX.							i	i										
			104.54	105.85	1.31	OX			Dark red-brown to light yellow-brown clay to silt with ~60% Qz rubble. A single calcareous SID core fragment occurs within.																		
			105.85	108.00	2.15	OX			Bright orange to red-brown non-calcareous clay to silty OX. With Qz rubble, focused in zones < 15 cm.							i	ms										
			108.00	109.73	1.73	OX			Orange-brown with light yellow-brown and dark brown patches of clay to predominantly silty non calcareous oxide. Qz rubble is common in the last 10 cm.							i	s										
			109.73	112.82	3.09	OX			Light brown to orange-brown clay to grit, with ~ 50% Qz rubble (< 0.5 cm average), up to 3 cm in diameter. Small SID grit sections occur over ~ 20 cm.							i	f										
			112.82	115.82	3.00	OX			Orange-brown clay to grit, predominantly silt, with Qz rubble for ~ 20% of interval, < 2 cm in diameter.							i											
			115.82	119.12	3.30	OX			Orange brown non-calcareous intensely OX clay to grit, predominantly silt. Dark brown patches occur on the surface for the first 50 cm. Black SID rubble is common in the last 20 cm.							i	w										
			119.12	119.49	0.37	SID			Black clay to rubble, predominantly silt with minor orange-brown OX within.							s	i										

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			119.49	121.80	2.31	OX			Orange brown non-calcareous clay to silt with Qz rubble < 2 cm wide as ~10% of interval. The lCN has < 5 cm of calcareous OX, then a sharp CN with DOL LST.							i												
121.80	131.06	9.26				LST	DOL	sBX	Light purple and light yellow tinted buff, and light to dark grey, intensely DOL LST. sBX textures occur as alteration patches, with infilling FG to MG DOL. The unit is also strong SIL.					i				SIL	s									
			121.80	127.64	5.84	LST	DOL	sBX	Light purple and light yellow-buff, FG to MG DOL filled sBX LST. Strong SIL occurs throughout. Thin SID/Ca VT are common at two distinct orientations; 50 degrees is most prominent, cross cut by VT at 25 degrees. Grey seams and patches with dendritic appearance occur throughout the interval. The lCN is more intensely BX over 12 cm.	VT	25							SIL	s									
										VT	50																	
			127.64	131.06	3.42	LST	DOL	sBX	Medium to light grey and purple to yellow-buff, strongly DOL and SIL altered LST, with sBX as grey non-DOL patches. ~5 cm thick non-calcareous clay and silt OX zone. Weak SID/Ca VT at 30 degrees.	VT	30					i		SIL	s									
									131.06 m: E.O.H. - The hole was ended because the oxide zone was passed.																			

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: CH-10-04

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
33.53	36.58	3.05	LST	DOL	2.10	69	J980644	6					
36.58	39.62	3.04	LST	DOL	2.92	96	J980645	6					
39.62	42.67	3.05	LST	DOL	2.54	83	J980646	6					
42.67	45.72	3.05	LST	DOL	2.83	93	J980647	6					
-	-	-	-	-	-	-	J980648	6					Blank (BTW)
45.72	48.77	3.05	LST	DOL	2.95	97	J980649	6					
48.77	51.82	3.05	LST	DOL	3.05	100	J980650	5					
51.82	54.86	3.04	LST	DOL	2.73	90	J980651	5					
54.86	56.72	1.86	LST	DOL	1.38	74	J980652	5					
54.86	56.72	1.86	LST	DOL	1.38	74	J980653	5					Duplicate
56.72	58.00	1.28	LST	DOL	1.56	122	J980654	5					
58.00	60.51	2.51	LST	DOL	2.20	88	J980655	5					
60.51	63.00	2.49	LST	DOL	1.71	69	J980656	5					
63.00	65.00	2.00	LST	DOL	1.49	75	J980657	5					
65.00	67.03	2.03	LST	DOL	1.09	54	J980658	5					
67.03	68.02	0.99	LST	DOL	0.97	98	J980659	5					
-	-	-	-	-	-	-	J980660	5					Standard ROS-1
68.02	70.10	2.08	LST	DOL	1.64	79	J980661	5					
70.10	73.15	3.05	LST	DOL	2.01	66	J980662	5					
73.15	76.20	3.05	LST	DOL	3.02	99	J980663	5					
76.20	79.25	3.05	LST	DOL	2.56	84	J980664	5					
79.25	82.30	3.05	LST	DOL	2.75	90	J980665	5					
82.30	85.34	3.04	LST	DOL	2.59	85	J980666	5					
85.34	88.39	3.05	LST	DOL	2.65	87	J980667	5					
88.39	91.44	3.05	LST	DOL	2.45	80	J980668	5					
91.44	94.49	3.05	LST	OX	2.81	92	J980669	5					
94.49	97.54	3.05	LST	OX	2.69	88	J980670	5					
97.54	100.58	3.04	LST	OX	2.92	96	J980671	5					
-	-	-	-	-	-	-	J980672	5					Standard ROS-4
100.58	102.00	1.42	LST	OX	1.31	93	J980673	5					
102.00	104.90	2.90	LST	OX	1.66	57	J980674	5					
104.90	106.68	1.78	OX		2.22	125	J980675	5					

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
106.68	109.73	3.05	OX		2.50	82	J980676	5					
-	-	-	-	-	-	-	J980677	5					Blank (BTW)
109.73	112.78	3.05	OX		2.76	90	J980678	5					
112.78	115.82	3.04	OX		1.04	34	J980679	5					
115.82	118.87	3.05	OX		3.01	99	J980680	5					
118.87	121.80	2.93	OX		2.93	100	J980681	5					
-	-	-	-	-	-	-	J980682	5					Blank (BTW)
121.80	124.97	3.17	LST	DOL	3.04	96	J980683	5					
124.97	128.02	3.05	LST	DOL	3.01	99	J980684	5					
128.02	131.06	3.04	LST	DOL	3.01	99	J980685	5					

GEOTECHNICAL LOG

HOLE: CH-10-04

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
6.71	8.84	2.13	2.13	100	0.70	33	MS	SW		
8.84	11.89	3.05	2.88	94	1.42	47	MS	SW		
11.89	14.94	3.05	2.74	90	1.23	40	MS	FR		
14.94	17.98	3.04	2.85	94	2.19	72	MS	FR		
17.98	21.03	3.05	2.67	88	1.21	40	MS	FR		
21.03	24.38	3.35	3.01	90	2.28	68	MS	FR		
24.38	27.43	3.05	2.98	98	2.14	70	MS	FR		
27.43	30.48	3.05	2.99	98	1.89	62	MS	FR		
30.48	33.53	3.05	3.02	99	2.71	89	MS	FR		
33.53	36.58	3.05	2.10	69	1.19	39	MS	FR		
36.58	39.62	3.04	2.92	96	1.69	56	MS	FR		
39.62	42.67	3.05	2.54	83	2.04	67	MS	FR		
42.67	45.72	3.05	2.83	93	2.02	66	MS	FR		
45.72	48.77	3.05	2.95	97	2.30	75	MS	FR		
48.77	51.82	3.05	3.05	100	2.09	69	MS	FR		
51.82	54.86	3.04	2.73	90	1.49	49	MS	FR		
54.86	57.91	3.05	2.90	95	1.86	61	MS	FR		
57.91	60.96	3.05	2.70	89	2.28	75	MS	FR		
60.96	64.01	3.05	2.43	80	1.92	63	MS	FR		
64.01	67.06	3.05	2.28	75	0.59	19	W	HW		
67.06	70.10	3.04	2.62	86	1.49	49	W	HW		
70.10	73.15	3.05	2.01	66	0.92	30	MS	SW		
73.15	76.20	3.05	3.02	99	2.03	67	MS	SW		
76.20	79.25	3.05	2.56	84	1.49	49	W	HW		
79.25	82.30	3.05	2.75	90	1.36	45	MS	SW		
82.30	85.34	3.04	2.59	85	1.83	60	MS	SW		
85.34	88.39	3.05	2.65	87	1.75	57	MS	SW		
88.39	91.44	3.05	2.45	80	0.75	25	W	MW		
91.44	94.49	3.05	2.81	92	0.71	23	W	MW		
94.49	97.54	3.05	2.69	88	1.64	54	W	MW		
97.54	100.58	3.04	2.92	96	0.00	0	EW	EW	7.5YR6/8	OXIDE
100.58	103.63	3.05	2.69	88	1.56	51	W	HW		
103.63	106.68	3.05	3.05	100	0.00	0	EW	EW	7.5YR7/6	OXIDE
106.68	109.73	3.05	2.50	82	0.00	0	EW	EW	7.5YR7/6	OXIDE
109.73	112.78	3.05	2.76	90	0.00	0	EW	EW	7.5YR5/8	OXIDE
112.78	115.82	3.04	1.04	34	0.00	0	EW	EW	7.5YR5/6	OXIDE
115.82	118.87	3.05	3.01	99	0.00	0	EW	EW	7.5YR5/6	OXIDE
118.87	121.92	3.05	3.05	100	0.00	0	EW	EW	5YR3/1/7.5YR5/6	OXIDE
121.92	124.97	3.05	2.93	96	2.93	96	MS	SW		
124.97	128.02	3.05	3.01	99	2.79	91	MS	SW		
128.02	131.06	3.04	3.01	99	3.01	99	MS	SW		
131.06	E.O.H.									

MAGNETIC SUSCEPTIBILITY LOG

HOLE: CH-10-04

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	OVB		N/A	
2.00	OVB		N/A	
3.00	OVB		N/A	
4.00	OVB		N/A	
5.00	OVB		N/A	
6.00	OVB		N/A	
7.00	LST	DOL	0.16	
8.00	LST	DOL	0.55	
9.00	LST	DOL	0.69	
10.00	LST	DOL	0.32	
11.00	LST	DOL	0.00	
12.00	LST	DOL	0.45	
13.00	LST	DOL	1.37	
14.00	LST	DOL	1.64	
15.00	LST	DOL	3.07	
16.00	LST	DOL	0.00	
17.00	LST	DOL	0.90	
18.00	LST	DOL	2.29	
19.00	LST	DOL	1.94	
20.00	LST	DOL	1.47	
21.00	LST	DOL	0.00	
22.00	LST	DOL	0.00	
23.00	LST	DOL	0.00	
24.00	LST	DOL	0.32	
25.00	LST	DOL	0.00	
26.00	LST	DOL	0.00	
27.00	LST	DOL	0.00	
28.00	LST	DOL	0.32	
29.00	LST	DOL	0.00	
30.00	LST	DOL	0.20	
31.00	LST	DOL	1.86	
32.00	LST	DOL	5.67	
33.00	LST	DOL	3.28	
34.00	LST	DOL	0.00	
35.00	LST	DOL	0.00	
36.00	LST	DOL	3.28	
37.00	LST	DOL	0.41	
38.00	LST	DOL	0.84	
39.00	LST	DOL	3.73	
40.00	LST	DOL	2.93	
41.00	LST	DOL	0.00	
42.00	LST	DOL	0.00	
43.00	LST	DOL	2.74	
44.00	LST	DOL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	LST	DOL	0.00	
46.00	LST	DOL	0.59	
47.00	LST	DOL	1.18	
48.00	LST	DOL	0.43	
49.00	LST	DOL	0.84	
50.00	LST	DOL	0.00	
51.00	LST	DOL	2.05	
52.00	LST	DOL	6.51	
53.00	LST	DOL	1.64	
54.00	LST	DOL	0.10	
55.00	LST	DOL	2.93	
56.00	LST	DOL	0.00	
57.00	LST	DOL	0.55	
58.00	LST	DOL	0.84	
59.00	LST	DOL	0.24	
60.00	LST	DOL	1.82	
61.00	LST	DOL	0.61	
62.00	LST	DOL	3.66	
63.00	LST	DOL	2.41	
64.00	LST	DOL	0.88	
65.00	LST	DOL	0.51	
66.00	LST	DOL	0.00	
67.00	LST	DOL	0.12	
68.00	LST	DOL	1.55	
69.00	LST	DOL	0.14	
70.00	LST	DOL	1.08	
71.00	LST	DOL	0.73	
72.00	LST	DOL	2.23	
73.00	LST	DOL	1.98	
74.00	LST	DOL	3.28	
75.00	LST	DOL	1.55	
76.00	LST	DOL	0.92	
77.00	LST	DOL	2.17	
78.00	LST	DOL	0.00	
79.00	LST	DOL	2.84	
80.00	LST	DOL	0.02	
81.00	LST	DOL	0.22	
82.00	LST	DOL	0.06	
83.00	LST	DOL	0.20	
84.00	LST	DOL	0.00	
85.00	LST	DOL	3.89	
86.00	LST	DOL	0.34	
87.00	LST	DOL	1.29	
88.00	LST	DOL	1.35	
89.00	LST	DOL	1.25	
90.00	LST	DOL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	LST	DOL	1.31	
92.00	LST	DOL	0.00	
93.00	LST	DOL	1.29	
94.00	LST	DOL	0.00	
95.00	LST	DOL	3.91	
96.00	LST	DOL	1.86	
97.00	LST	DOL	0.96	
98.00	LST	DOL	1.06	
99.00	LST	DOL	0.20	
100.00	LST	DOL	1.86	
101.00	LST	DOL	1.10	
102.00	LST	DOL	0.00	
103.00	LST	DOL	1.37	
104.00	LST	DOL	0.00	
105.00	OX		0.00	
106.00	OX		4.57	
107.00	OX		0.00	
108.00	OX		0.00	
109.00	OX		0.00	
110.00	OX		0.00	
111.00	OX		0.02	
112.00	OX		2.07	
113.00	OX		1.10	
114.00	OX		1.10	
115.00	OX		1.29	
116.00	OX		0.26	
117.00	OX		6.68	
118.00	OX		0.86	
119.00	OX		2.35	
120.00	OX		1.92	
121.00	OX		1.06	
122.00	LST	DOL	1.55	
123.00	LST	DOL	1.59	
124.00	LST	DOL	3.32	
125.00	LST	DOL	0.06	
126.00	LST	DOL	1.82	
127.00	LST	DOL	0.65	
128.00	LST	DOL	0.98	
129.00	LST	DOL	0.00	
130.00	LST	DOL	0.79	
131.00	LST	DOL	2.70	

HOLE: CH-10-04

Box #	Diameter (cm)	From (m)	To (m)	Unit	Modifier	Recovery	Weight	Density	Comments
18	4.2	104.90	110.94	OX		4.61	40.8	2.95	
19	4.2	110.94	117.70	OX		4.24	31.8	2.50	
20	4.2	117.70	122.91	OX		5.24	37.8	2.41	

BOX LOG

HOLE: CH-10-04

BOX	FROM (m)	TO (m)
1	6.71	11.89
2	11.89	17.54
3	17.54	23.27
4	23.27	29.16
5	29.16	34.78
6	34.78	40.95
7	40.95	46.83
8	46.83	52.21
9	52.21	57.91
10	57.91	64.07
11	64.07	70.10
12	70.10	76.07
13	76.07	81.87
14	81.87	87.86
15	87.86	93.52
16	93.52	99.82
17	99.82	104.90
18	104.90	110.94
19	110.94	117.70
20	117.70	122.91
21	122.91	128.66
22	128.66	131.06
131.06 m: E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
		524633	7121932	1622	146.31

ZONE: Cheetah

SECTION:

HOLE: CH-10-05

CLAIM:

Contractor: Beaudoin

Drill: 4

Core size: BTW

Casing depth: 4.57 m out

Drilling dates: August 24-27, 2010

Geology logged by: A. Mitchell

TARGET:

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	320	-50.0	compass				
145.31	320	-48.0	acid test				

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	3.05	3.05	OVB	
3.05	27.43	24.38	LST	Bleached to buff intensily dolomitized LST.
27.43	29.16	1.73	OX	Light brown moderately calcareous OX.
29.16	42.67	13.51	LST	sBX strongly dolomitized LST.
42.67	58.47	15.80	LST	Mottled, sBX, strongly dolomitized LST.
58.47	77.01	18.54	LST	cBX, moderately dolomitzed LST, trace Py.
77.01	86.05	9.04	SHL	Dark grey, weakly FO SHL.
86.05	88.04	1.99	OX	Clay to grit.
88.04	133.97	45.93	LST	sBX, intensily dolomitized LST, weakly SIL.
133.97	138.03	4.06	LST	cBX, intensily dolomitized LST.
138.03	146.30	8.27	LST	BN, intensily silicified, weakly dolomitized LST.
146.31	E.O.H.			

SAMPLES

Numbers: J980686-J980738

Total: 53

Batch: 6,7

Date Sent: August 30, 31 2010

Certificate: VA10125455, VA10125457

COMMENTS

The hole was ended because it was passed the target depth.

GEOLOGY LOG

HOLE: CH-10-05

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	3.05	3.05				OVB																					
3.05	27.43	24.38				LST	DOL		Light grey to buff, FG to MG, intensely dolomitized LST. Disseminated ~2.0 mm irregular medium grey to light brown to beige clasts pervasive through out. Dark grey VT's ~0.5 mm wide near top of interval gradually change into dark red/deep purple VT's down hole (Si/Sm?). Stylolites pervasive throughout the interval and may be dark grey or dark red/deep purple in color. Few vuggy textures present with MG calcite crystals within.					i			w	Sm	w								x
			13.22	13.44	0.22				Dark grey and light orange strongly calcareous VT's ~0.5 mm, ranging from 40 to 60 degrees TCA.	VT	50																
			19.88						~7 mm, Deep red/deep purple and intensely calcareous VT (Si?).	VT	45																
			20.93						~3 mm deep red/deep purple in color and intensely calcareous VT (Si)?	VT	75																
			20.96						~5mm to 1.5cm dark red/deep purple in color and intensely calcareous VT/VN (Si)?	VT	55																
			24.06	24.10	0.04				~2-6 mm calcite filled VT's with disseminated dark orange to dark red crystals throughout and along the margins (Si?). VT's range from 55 to 85 degrees TCA.	VT	68																
			24.46						~16 cm, deep purple (Si?) intensely calcareous VN.	VN	60																
			26.06						~5 mm calcite VT exhibiting disseminated orange to purple crystals within (Si/He?).	VT	70																
			27.43						Too rubbly to determine contact angle	ICN																	
27.43	29.16	1.73				OX		GRT	Light brown, moderately calcareous oxide. Clay to FG sand at top of interval grades into rubble, then into more competent rock. Competent core is light grey to bleached, intensely dolomitized with disseminated ~1 cm deep purple intensely calcareous FG (Si?). Random VT's ~0.5 mm pervasive through competent rock.					s		s												
			28.83						Light brown to beige ~0.5 mm VT. Other VT's present, but too rubbly to determine angle TCA.	VT	50																
			29.16						Too rubbly to determine contact angle	ICN																	

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
29.16	42.67	13.51				LST	DOL	sBX	Dark grey to light grey, FG to MG, sBX, strongly dolomitized LST. Pervasive dolomitized sBX throughout interval. Vugs disseminated throughout, which appear to be infilled with FG dolomite. Dog tooth sparry texture has FG dolomite margins being infilled with a light orange to deep purple calcareous matrix (Si/Sm?). Few disseminated stylolites. Episodic BN pervasive throughout unit, and bands appear dark grey and vFG (mud?).					s			w	Sm	w									
																		Sp	t								
			31.51						Dark grey, vFG bands which appear to be overprinted by an undulating calcite VT (~1.0 cm wide).	BN	50																
			31.69						Ca VN 1.6 cm with light orange to red resinous FG (SP?) along the margins.	VN	55																
			40.01						Light grey to light brown, vFG to FG bands being overprinted by undulating Ca VN.	BN																	
42.67	58.47	15.80				LST	DOL		Light grey to bleached, FG, Mottled, sBX, strongly dolomitized LST. Dark grey and light brown banding dominant near top of interval and fades out. Relict dark grey disseminated clasts pervasive through out with some following a preferred orientation. Dog tooth spars disseminated through out, margins composed of FG dolomite and infilled with vFG light brown to light to dark grey clasts (~2 mm - 5 cm). Ca VN's and VT's associated with dark red/purple to light orange FG (Si/Sm?) Episodic intervals of OX, light brown clay to FG sand. Pervasive VT's light brown in color found in close proximity to dog tooth spar regions within the interval.					s			w	Sm	w									
			43.46						Dark grey ~1.5 cm bands composed of vFG to FG matrix	BN	50																
			43.73						Ca VT ~8 mm with disseminated light orange to dark red FG (Si/SM?) found within.	VT	35																
			44.39	44.65	0.26				Alternating bands ranging from 40 to 50 degrees TCA where the dark grey bands composed of FG matrix are 40 degrees TCA (~1.5 cm) and light brown bands composed of FG matrix are 50 degrees TCA (~2-5 mm).	BN	45																	x
			51.22						~2mm calcareous deep red/deep purple VT (Si/Sm?)	VT	65																
			52.19						Calcareous VT deep red/deep purple (Si/Sm) ~2 mm.	VT	50																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			52.28						Calcareous VT ~2mm, deep red/deep purple (Si/Sm?).	VT	60																
			54.11						Dark grey, vFG band.	BN	45																
			55.07						~5 cm intensely calcareous deep purple, vFG to FG VN (Si/Sm?).	VN	70																
			57.20						Calcareous deep rusty red/purple VT ~2 mm (Si/Sm?).	VT	55																
			57.45						Deep, rusty red/purple calcareous VT ~2 mm (Si/Sm?).	VT	55																
			58.47						Contact too rubbly to determine contact angle	ICN																	
58.47	77.01	18.54				LST	DOL	cBX	Buff to light orange brown, FG to MG, cBX, moderately dolomitized LST with weak disseminated oxidized cubic crystals (Py?). Py disseminated in patches associated with higher oxidation and within Ca VN's. cBX appears to be overprinted by deep purple calcareous VT's 0.5mm in size. Varying zones of competent rock and oxide and rubble. Stylolites present and are dark red in color and are strongly calcareous (Si?).					m		i	w											
			61.01	64.01	3.00	OX	LST	GRT	Light brown to medium brown, clay to grit, strongly calcareous OX. Variably competent to soupy.																		
			65.09	65.73	0.64	OX			Orangey rusty brown to light brown, clay to core, moderately calcareous oxide. Zones of very weak competency, rubble and competent core.																		
			66.94						~9 mm calcareous VT with a cBX texture with black seams and some thin (~0.5 mm), medium red seams outlining the black seams. Found within highly oxidized zone.	VT	50																
			67.06	74.35	7.29				Preferentially oriented VT's ~ 0.05 mm to 1 mm and dark red in color. These appear to cross cut all other veins in the core and are strongly calcareous in nature (Si?)	VT	60		48														
			67.45						~2 mm deep red intensely calcareous VT being cut by preferentially oriented Si VT's.	VT	50	260															
			67.63						~4 mm intensely calcareous undulating VT with disseminated FG to MG (0.5-2 mm), euhedral highly oxidized Py.	VT																	
			70.39						~2cm deep purple/deep red intensely calcareous VT. Follows preferred VT system.	VN	55																
			70.50						~3 cm calcareous VN with disseminated FG to MG euhedral, strongly oxidized Py.	VN	55																x
			72.06						~2 cm deep purple/deep red intensely calcareous VN.	VN	30	260															

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			72.80						~1 cm calcite VN with deep purple FG (Si?) around its margin	VN	45	20															
			74.35						Contact between fairly oxidized, strongly dolomitized LST and OX. Contact angle is 45 degrees TCA	CN	45																
			74.35	74.84	0.49	OX			Medium brown, orange, FG to rubbly OX with sections of more competent rock (structures not visible in competent rock; too oxidized).																		
			75.23	76.45	1.22	LST	DOL		Buffed, intensely dolomitized LST with Qz patches ~0.5-2 cm which may or may not be infilled with light orange rusty FG (Si?)					i				Qz	w								
			76.53						~2 mm strongly calcareous VT with FG to MG (Si?), dark red disseminated through out.	VT																	
			77.01						Too rubbly to determine contact angle	ICN																	
77.01	86.05	9.04				SHL			Dark grey, vFG to FG, weakly FO SHL. VT's pervasive through out and have a bleached halo of ~3-4 mm on either side of the VT. Weak FO pervasive through out. Fracture faces are highly weathered (dark orange). Episodic OX units pervasive through out interval and episodic regions of rubble.							s												
			78.00	78.49	0.49	OX		Fo	Strongly oxidized, dark to light orange in color with FO 55 degrees TCA. Si VT's pervasive through out.	FO	55					s											x
			79.59	79.87	0.28	OX			Light orange to yellow oxide (resembles oxidized VOL).							i											
			81.72	85.94	4.22				Faint FO pervasive throughout dark/bleached mud unit	FO	45																x
			84.27						~0.5 mm light to medium orange VT (Si?)	VT	45																
			86.05						Too rubbly to determine contact angle	ICN																	
86.05	88.04	1.99				OX			Medium brown to dark orange clay to grit oxide. Sections above are more competent and rubbly.																		
			88.04						Contact between OX and dolomitized LST	ICN	45																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
88.04	133.97	45.93				LST	DOL	sBX	Dark grey to bleached, FG, sBX, intensely dolomitized and weakly silicified LST with weak Si in Ca VT's and VN's, trace He and trace Qz. Qz VT's pervasive through out, where some VT's margins are Qz, and infill with FG DOL. sBX pervasive through out and is being overprinted by Qz/Dol VT's and VN's. Blood red stylolites present along sections with banding (follows band orientation). Sections of bleached dolomitized LST, contains both the Qz VT's and VN's and Qz blebs/patches (~2 mm-3 cm). Dark red to rusty orange FG (Si?) associated with calcareous VT's/VN's and blebs/patches					i			w	HEM	t									x
																		SIL	w								
			93.20	93.51	0.31				Bleached/dark grey alternating bands, being overprinted by undulating Qz VT's	BN	25																
			99.40	99.70	0.30				Dark grey to bleached banding intermittently with light purple alteration (He?) along bleached margins and disseminated through out. Dark red stylolites also present and follows banding orientation	BN	40																
									~3 mm intensely calcareous VT composed of dark red, FG (Si) crosscutting sBX texture.	VT	65																
			105.39						Ca VT infilled with disseminated dark red FG (Si?)	VT	75																
			109.89	110.27	0.38				Dark grey, FG unit being cross cut by bleached and Qz VT's forming bands of ~2-3 cm dark grey bands and 3-9 mm bleached bands and Qz VT's	BN	45																
			113.02						Dolomitized VT ~0.5 mm	VT	65																
			116.32						~3 mm Ca VT with dark red margins (Si?)	VT	35																
			120.33						Highly silicified Ca VT with dark red margins (Si?)~2 mm	VT	60																
			121.74	127.83	6.09	LST	DOL		Dark Grey to light purple, FG to MG, banded, intensely dolomitized and weakly silicified LST. Colour variations form a mottled texture throughout. Deep blood red VT's/stylolites pervasive throughout (He).					i			w	SIL	w								x
																		HEM	f								
			127.60	127.99	0.39				~0.5 mm wisps of He and Si within Ca VT's with intermittent dark grey and light brown to light orange bands.	BN	15																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			128.02	133.97	5.95	VOL	OX		Dark to olive green, vFG to FG, Fo, fissile, extremely to weakly oxidized VOL with t Py. Elongated blebs along the foliation which are white or white along margins and infilled with deep red FG to MG euhedral to anhedral (Si?). Ca VT's are associated with FG to MG oxidized euhedral (Py). Sections of more competent rock, to rubbly, to oxidized. Oxidized sections can be yellow to light orange in color, and others are light to medium brown and are clayey to gritty.					m					t							
			128.53	130.17	1.64				Fo pervasive throughout interval and is defined by elongated blebs and ~0.1 mm light orange seams.	Fo	25																x
									Ca VT ~ 5 mm with FG euhedral to subhedral Py associated with it.	VT	15																
133.97	146.30	12.33				LST	DOL	BN	Dark grey to buff, FG to MG, BN, cBX, intensely dolomitized, moderately silicified LST. Patchy regions of FG to MG siliceous clasts (~0.1 mm to 1 mm) well sorted near top of interval. cBX textures pervasive through out this silica clast unit. Buff to bleached intensely dolomitized, moderately silicified LST with episodic banding pervasive through out. Buff sections have disseminated, irregular, dark to medium grey relict clasts.					i			t	SIL	m									
			133.97	138.03	4.06	LST	DOL	cBX	Dark grey to light grey FG, cBX, intensely dolomitized LST. Patches of FG to MG siliceous well sorted, rounded to subrounded clasts. cBX seams can be bleached or calcareous oxidized.					i														
			138.03	146.30	8.27	LST	Sil	BN	dark grey to buff, FG to MG, BN, intensely silicified, weakly dolomitized LST. Episodic regions of vFG to FG dark grey intensely dolomitized LST with cBX having oxidized seams. In buff section, relict, disseminated, irregular dark grey to light brown ~0.5 mm - 1 mm irregular clasts pervasive through out. Dark grey to oxidized ~0.5 mm stringers pervasive. Sections with banding are MG to CG white and intensely silicified LST.					w				SIL	i									
			138.62						Dark grey ~0.5 mm VT with light purple margins ~ 0.1 mm (He?)	VT	75																
			139.95						~2mm Ca VT 35 degrees TCA	VT	35																
			142.62	142.78	0.16				4 VT's ~ 0.5 mm, dark grey ~4 cm spacing found within buffed section	VT	65																
			143.43	143.53	0.10				Dark grey to buffed banding, ranges from 20 to 30 degrees TCA	BN	25																
			144.86						Qz VT ~3 mm , cross cutting banding	VT	85																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	Photo
			144.87	145.05	0.18				~1 mm dark grey bands with one ~2 cm dark grey, FG band intermittent with thinner bands	BN	25																
			146.14	146.31	0.17				~0.5 mm to 1.5 cm bands ranging from 20 to 30 degrees TCA with alternating bleached and dark grey bands.	BN	30																
									146.30 m: E.O.H. - The hole was ended because the target depth was passed.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOTECHNICAL LOG

HOLE: CH-10-05

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
3.05	6.1	3.05	0.41	13	0.00	0	W	FR		
6.1	9.14	3.04	2.95	97	0.80	26	W	HW		
9.14	12.19	3.05	2.52	83	1.20	39	MS	FR		
12.19	15.24	3.05	2.55	84	0.78	26	MS	MW		
15.24	18.29	3.05	2.61	86	0.87	29	MS	FR		
18.29	21.34	3.05	2.53	83	0.45	15	MS	FR		
21.34	24.38	3.04	2.86	94	1.62	53	MS	SW		
24.38	27.43	3.05	2.73	90	1.02	33	MS	SW		
27.43	30.48	3.05	2.20	72	0.16	5	W	HW		
30.48	33.53	3.05	2.48	81	0.95	31	MS	MW		
33.53	36.58	3.05	1.78	58	0.00	0	W	HW		
36.58	39.62	3.04	2.04	67	0.60	20	W	HW		
39.62	42.67	3.05	2.80	92	1.58	52	MS	FR		
42.67	45.72	3.05	3.00	98	2.55	84	MS	FR		
45.72	48.77	3.05	2.70	89	1.65	54	MS	SW		
48.77	51.82	3.05	2.82	92	1.84	60	MS	SW		
51.82	54.86	3.04	2.43	80	1.77	58	W	MW		
54.86	57.91	3.05	2.25	74	1.93	63	MS	MW		
57.91	60.96	3.05	2.19	72	0.99	32	W	HW		
60.96	64.01	3.05	2.65	87	0.00	0	EW	EW		
64.01	67.06	3.05	2.91	95	0.89	29	W	HW		
67.06	70.1	3.04	2.76	91	2.12	70	MS	HW		
70.1	73.15	3.05	3.01	99	2.55	84	MS	MW		
73.15	76.2	3.05	3.05	100	1.60	52	MS	HW		
76.2	79.25	3.05	1.95	64	0.86	28	MS	HW		
79.25	82.3	3.05	2.51	82	0.11	4	W	HW		
82.3	85.34	3.04	2.75	90	0.24	8	MS	MW		
85.34	88.39	3.05	2.42	79	0.34	11	W	HW		
88.39	91.44	3.05	3.04	100	2.62	86	MS	SW		
91.44	94.49	3.05	2.89	95	1.95	64	MS	SW		
94.49	97.54	3.05	3.05	100	2.34	77	MS	SW		
97.54	100.58	3.04	3.04	100	2.91	96	MS	SW		
100.58	103.63	3.05	3.05	100	2.88	94	MS	SW		
103.63	106.68	3.05	3.05	100	2.60	85	MS	SW		
106.68	109.73	3.05	3.05	100	2.45	80	MS	SW		
109.73	112.78	3.05	3.05	100	2.72	89	MS	SW		
112.78	115.82	3.04	3.02	99	2.81	92	MS	SW		
115.82	118.87	3.05	3.04	100	2.38	78	MS	SW		
118.87	121.92	3.05	3.05	100	2.51	82	MS	SW		
121.92	124.97	3.05	2.97	97	2.71	89	MS	SW		
124.97	128.02	3.05	3.05	100	2.55	84	MS	SW		
128.02	131.06	3.04	2.38	78	0.33	11	MS	HW		
131.06	134.11	3.05	1.22	40	0.00	0	MS	HW		
134.11	137.16	3.05	3.05	100	0.60	20	MS	MW		
137.16	140.21	3.05	3.05	100	2.35	77	MS	MW		
140.21	143.26	3.05	2.90	95	1.49	49	W	HW		
143.26	146.31	3.05	2.95	97	2.73	90	MS	MW		E.O.H.

SAMPLE LOG

HOLE: CH-10-05

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
18.29	21.34	3.05	LST	DOL	2.53	83	J980686	6					
21.34	24.38	3.04	LST	DOL	2.86	94	J980687	6					
24.38	27.43	3.05	LST	DOL	2.73	90	J980688	6					
27.43	30.48	3.05	OX	GRT	2.20	72	J980689	6					
30.48	33.53	3.05	LST	DOL	2.48	81	J980690	6					
33.53	36.58	3.05	LST	DOL	1.78	58	J980691	6					
36.58	39.62	3.04	LST	DOL	2.04	67	J980692	6					
39.62	42.67	3.05	LST	DOL	2.80	92	J980693	6					
39.62	42.67	3.05	LST	DOL	2.80	92	J980694	6					
42.67	45.72	3.05	LST	DOL	3.00	98	J980695	6					
45.72	48.77	3.05	LST	DOL	2.70	89	J980696	6					
-	-	-	-	-	-	-	J980697	6					Standard (OC-01)
48.77	51.82	3.05	LST	DOL	2.82	92	J980698	6					
51.82	54.86	3.04	LST	DOL	2.43	80	J980699	6					
54.86	57.91	3.05	LST	DOL	2.25	74	J980700	6					
57.91	60.96	3.05	LST	DOL	2.19	72	J980701	6					
60.96	64.10	3.14	LST	DOL	2.65	84	J980702	6					
64.10	67.06	2.96	LST	DOL	2.91	98	J980703	6					
-	-	-	-	-	-	-	J980704	6					Blank (BTW)
67.06	70.10	3.04	LST	DOL	2.76	91	J980705	6					
70.10	73.15	3.05	LST	DOL	3.01	99	J980706	6					
73.15	74.82	1.67	LST	DOL	1.67	100	J980707	6					
74.82	77.01	2.19	LST	DOL	2.19	100	J980708	6					
77.01	79.25	2.24	MUD		1.22	54	J980709	6					
79.25	82.30	3.05	MUD		2.51	82	J980710	6					
82.30	84.00	1.70	MUD		1.60	94	J980711	6					
84.00	86.05	2.05	MUD		1.77	86	J980712	6					
86.05	88.04	1.99	LST	DOL	1.99	100	J980713	6					
-	-	-	-	-	-	-	J980714	6					
88.04	90.00	1.96	LST	DOL	1.96	100	J980715	6					
90.00	91.44	1.44	LST	DOL	1.41	98	J980716	7					
91.44	94.49	3.05	LST	DOL	2.89	95	J980717	7					

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
94.49	97.54	3.05	LST	DOL	3.05	100	J980718	7					
97.54	100.58	3.04	LST	DOL	3.04	100	J980719	7					
100.58	103.63	3.05	LST	DOL	3.05	100	J980720	7					
103.63	106.68	3.05	LST	DOL	3.05	100	J980721	7					
103.63	106.68	3.05	LST	DOL	3.05	100	J980722	7					
106.68	109.73	3.05	LST	DOL	3.05	100	J980723	7					
109.73	112.78	3.05	LST	DOL	3.05	100	J980724	7					
112.78	115.82	3.04	LST	DOL	3.02	99	J980725	7					
115.82	118.87	3.05	LST	DOL	3.04	100	J980726	7					
118.87	121.92	3.05	LST	DOL	3.05	100	J980727	7					
121.92	124.97	3.05	LST	DOL	2.97	97	J980728	7					
124.97	128.02	3.05	LST	DOL	3.05	100	J980729	7					
-	-	-	-	-	-	-	J980730	7					Blank (BTW)
128.02	131.06	3.04	VOL	OX	2.38	78	J980731	7					
131.06	133.97	2.91	VOL	OX	1.19	41	J980732	7					
-	-	-	-	-	-	-	J980733	7					Blank (BTW)
133.97	136.00	2.03	LST	DOL	2.03	100	J980734	7					
136.00	137.16	1.16	LST	DOL	1.16	100	J980735	7					
137.16	140.21	3.05	LST	DOL	3.05	100	J980736	7					
140.21	143.26	3.05	LST	DOL	3.05	100	J980737	7					
143.26	146.31	3.05	LST	DOL	3.04	100	J980738	7					E.O.H.

MAGNETIC SUSCEPTIBILITY LOG

HOLE: CH-10-05

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	OVB		N/A	
2.00	OVB		N/A	
3.00	OVB		N/A	
4.00	LST	DOL	0	
5.00	LST	DOL	0.16	
6.00	LST	DOL	0.06	
7.00	LST	DOL	0.08	
8.00	LST	DOL	1.31	
9.00	LST	DOL	0	
10.00	LST	DOL	0.67	
11.00	LST	DOL	0.47	
12.00	LST	DOL	0	
13.00	LST	DOL	0.1	
14.00	LST	DOL	0	
15.00	LST	DOL	0.14	
16.00	LST	DOL	0.08	
17.00	LST	DOL	0.49	
18.00	LST	DOL	0.32	
19.00	LST	DOL	0.47	
20.00	LST	DOL	1.16	
21.00	LST	DOL	0	
22.00	LST	DOL	0	
23.00	LST	DOL	0	
24.00	LST	DOL	1.23	
25.00	LST	DOL	0.04	
26.00	LST	DOL	1.12	
27.00	LST	DOL	1.53	
28.00	OX	GRT	0	
29.00	OX	GRT	0	
30.00	LST	DOL	0.75	
31.00	LST	DOL	0	
32.00	LST	DOL	0.98	
33.00	LST	DOL	0	
34.00	LST	DOL	0	
35.00	LST	DOL	0	
36.00	LST	DOL	0.86	
37.00	LST	DOL	0	
38.00	LST	DOL	2.5	
39.00	LST	DOL	0	
40.00	LST	DOL	0.96	
41.00	LST	DOL	1.37	
42.00	LST	DOL	1.04	
43.00	LST	DOL	0.38	
44.00	LST	DOL	1.1	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	LST	DOL	0	
46.00	LST	DOL	1.68	
47.00	LST	DOL	1.25	
48.00	LST	DOL	0	
49.00	LST	DOL	0.53	
50.00	LST	DOL	0	
51.00	LST	DOL	0.3	
52.00	LST	DOL	2	
53.00	LST	DOL	1.45	
54.00	LST	DOL	0	
55.00	LST	DOL	0.04	
56.00	LST	DOL	0	
57.00	LST	DOL	0	
58.00	LST	DOL	1.1	
59.00	LST	DOL	0	
60.00	LST	DOL	4.14	
61.00	LST	DOL	1.92	
62.00	LST	GRT	1.14	
63.00	LST	GRT	0.34	
64.00	LST	GRT	0.77	
65.00	LST	DOL	1.18	
66.00	LST	DOL	0.98	
67.00	LST	DOL	0	
68.00	LST	DOL	1.33	
69.00	LST	DOL	0	
70.00	LST	DOL	2.76	
71.00	LST	DOL	2	
72.00	LST	DOL	0.36	
73.00	LST	DOL	0.88	
74.00	LST	DOL	2.41	
75.00	LST	DOL	0.36	
76.00	LST	DOL	0.16	
77.00	LST	DOL	0.38	
78.00	OX		0.94	
79.00	OX		1.74	
80.00	MUD		0.18	
81.00	MUD		0.59	
82.00	MUD		0.49	
83.00	MUD		4.67	
84.00	MUD		0	
85.00	MUD		2.19	
86.00	MUD		0.26	
87.00	OX		2.8	
88.00	OX		0.3	
89.00	LST	DOL	0.14	
90.00	LST	DOL	3.03	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	LST	DOL	2.52	
92.00	LST	DOL	1.37	
93.00	LST	DOL	2.87	
94.00	LST	DOL	1.41	
95.00	LST	DOL	0.55	
96.00	LST	DOL	0.9	
97.00	LST	DOL	1.82	
98.00	LST	DOL	1.25	
99.00	LST	DOL	1.39	
100.00	LST	DOL	1.9	
101.00	LST	DOL	0.47	
102.00	LST	DOL	0.75	
103.00	LST	DOL	1.66	
104.00	LST	DOL	0	
105.00	LST	DOL	1.04	
106.00	LST	DOL	2.72	
107.00	LST	DOL	1.61	
108.00	LST	DOL	0	
109.00	LST	DOL	0.02	
110.00	LST	DOL	0.96	
111.00	LST	DOL	0.04	
112.00	LST	DOL	0.69	
113.00	LST	DOL	0.41	
114.00	LST	DOL	0.08	
115.00	LST	DOL	0.16	
116.00	LST	DOL	0.65	
117.00	LST	DOL	0.2	
118.00	LST	DOL	0.43	
119.00	LST	DOL	1.2	
120.00	LST	DOL	0.55	
121.00	LST	DOL	0.26	
122.00	LST	DOL	1.66	
123.00	LST	DOL	3.21	
124.00	LST	DOL	0.9	
125.00	LST	DOL	1.06	
126.00	LST	DOL	0.59	
127.00	LST	DOL	0	
128.00	LST	DOL	0.38	
129.00	VOL	OX	0.57	
130.00	VOL	OX	0.65	
131.00	VOL	OX	0.22	
132.00	VOL	OX	0.43	
133.00	VOL	OX	0.86	
134.00	LST	DOL	1.35	
135.00	LST	DOL	1.06	
136.00	LST	DOL	1.51	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	LST	DOL	1.9	
138.00	LST	DOL	0	
139.00	LST	SIL	0.38	
140.00	LST	SIL	0	
141.00	LST	SIL	0.28	
142.00	LST	SIL	0	
143.00	LST	SIL	0	
144.00	LST	SIL	0	
145.00	LST	SIL	0.61	
146.00	LST	SIL	0.3	E.O.H.

DENSITY LOG

HOLE: CH-10-05

Depth (m)	Unit	Modifier	Texture	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
				Py %	As %	Other	%							
10.85	LST	DOL							14.6	4.2	564.6	364.8	2.85	2.83
19.55	LST	DOL							14.8	4.2	543.1	347.6	2.70	2.78
31.75	LST	DOL	sBX						14.6	4.2	566.8	365.8	2.86	2.82
48.85	LST	DOL							14.8	4.2	582.7	374.6	2.90	2.80
64.16	LST	DOL	cBX						14.6	4.2	551.4	348.6	2.78	2.72
69.03	LST	DOL	cBX						14.8	4.2	545.6	340.6	2.71	2.66

BOX LOG

HOLE: CH-10-05

BOX	FROM (m)	TO (m)
1	3.05	10.03
2	10.03	15.70
3	15.70	21.67
4	21.67	27.28
5	27.28	33.34
6	33.34	39.56
7	39.56	45.04
8	45.04	50.74
9	50.74	57.06
10	57.06	62.68
11	62.68	67.06
12	67.06	73.03
13	73.03	78.50
14	78.50	83.66
15	83.66	89.07
16	89.07	94.86
17	94.86	100.40
18	100.40	105.93
19	105.93	111.27
20	111.27	116.71
21	116.71	122.14
22	122.14	127.80
23	127.80	134.87
24	134.87	137.16
25	137.16	142.73
26	142.73	146.31
146.31 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
		524633	7121932	1622	185.93

ZONE: Cheetah

SECTION:

HOLE: CH-10-06

CLAIM:

Contractor: Beaudoin

Drill: 4

Core size: BTW

Casing depth: 5 (m) in / out

Drilling dates: August 27-28, 2010

Geology logged by: A. Mitchell

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	320	-71.0	compass				
184.93	320	-70.0	acid test				

TARGET: Structurally hosted oxide.

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	3.05	3.05	OVB	
3.05	60.51	57.46	LST	sBX, cBX, strongly dolomitized LST, t Py, w Si
60.51	79.05	18.54	VOL	Fo, weakly oxidized VOL
79.05	80.36	1.31	LST	Weakly dolomitized LST
80.36	84.62	4.26	LST	sBX, strongly dolomitized, weakly silicified LST
84.62	97.06	12.44	LST	sBX, strongly silicified, moderately dolomitized LST
97.06	121.12	24.06	OX	Clayey to sandy, weakly calcareous OX
121.12	149.06	27.94	OX	Intermittant OX and cBX, moderately DOL LST
149.06	185.93	36.87	LST	Weakly dolomitized, weakly silicified LST
185.93	E.O.H.			

SAMPLES

Numbers: J980739-J980801

Total: 63

Batch: 7, 8, 9

Date Sent: August 31, September 1, 2010

Certificate: VA10125457, VA10125458, VA10125456

COMMENTS

The hole was ended because the target depth had been reached.

GEOLOGY LOG

HOLE: CH-10-06

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	Photo
0.00	3.05	3.05				OVB			Overburden - no recover																		
3.05	60.50	57.45				LST	DOL	sBX	Bleached to dark grey to buff, FG to MG, sBX, cBX, strongly dolomitized LST with trace Py associated with Ca VT's/VN's and with weak Si found within Ca VN's/VT's. Episodic bleached sections with relict, irregular shaped dark grey to light brown clasts. Stylolites pervasive throughout and tend to be deep red/deep purple in color (Si). sBX textures in dark grey, FG dolomitized LST with white DOL matrix. cBX is within buff sections with seams deep red/deep purple in color (Si?). Sections of rubble common. Vuggy textures found randomly throughout interval, filled with either FG DOL, or Ca and Si.					s			w			t							
			3.05	19.32	16.27	LST	DOL		Bleached to buff, FG to MG, strongly dolomitized LST with trace Si in calcareous VT's/VN's. Dark grey to light brown irregular shaped sBX clasts disseminated throughout. Si VT's and VN's concentrations increase downhole. Stylolites deep red/deep purple in color pervasive throughout interval (Si?).					s			t								x
			9.98						Stylolite dark grey to deep red/purple (Si) ~ 0.5 mm.	VT	40																
			12.60						~6 mm Ca VT.	VT	45																
			15.44						~2 mm Ca VT with deep red/purple FG Si.	VT	40																
			19.32	33.14	13.82	LST	DOL	sBX	Dark grey to medium grey FG, sBX, strongly dolomitized LST. Vuggy textures pervasive throughout and infilled with FG DOL and some disseminated Si. Ca VT's are pervasive and locally have Si in margins or through VT. Patchy vFG to FG dark grey bands or patches pervasive throughout.					s			t								
			19.35	19.43	0.08	HEM			(He/Si?) FG irregularly shaped patch ~0.5 - 2 cm with undulating branches.								s									x
			21.67						Blood red intensely calcareous VT (He?	VT	35																
			21.91						~ 3 cm Ca/(Si or He?) VN with cBX texture where seams are light brown in color. Dark red to light orange stylolite within, having same orientation as the VN.	VN	55																
			29.69						~3 - 4 cm vFG to FG dark grey band.	BN	25																

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			30.17	31.01	0.84	LST	DOL	cBX	Orange red to dark grey, FG, moderately dolomitized LST with Si VT's and cBX seams. Rubbly to competent rock, intensely calcareous and cBX, and oxidized. Relict dark grey patches disseminated throughout.					m		w	w											
			30.92						~7 cm intensely calcareous Si VN with vuggy textures within.	VN	45																
			31.23						Dark grey, vFG to FG band ~ 6 cm being cross cut by Ca and DOL undulating VT's.	BN	65																
			31.81						Dark grey, vFG to FG band ~14 cm being cross cut by Ca stringers and undulating VT's.	VN	40																
			32.26						Dark grey, vFG to FG band ~ 5 cm being cross cut by Ca stringers.	BN	45																
			33.14	57.88	24.74	LST	DOL		Bleached to buff BN, tBX, strongly dolomitized LST. Ca VT's, VN's and patches, locally with weak Si and trace Py associated. Vuggy textures found within bleached section are Ca filled. Buff sections have cBX textures with dark red intensely calcareous seams which appear to be cross cut by other Ca/Si VT's. Rubble tends to be associated with buff sections, weathering into a light brown, clay and grit mud. Trace Py is found within more buff regions and tends to be associated with incoming Ca fluids.					s			w			t							
			33.14	33.88	0.74			sBX	sBX where matrix is composed of light grey to bleached dolomite and the clasts are medium grey to light brown and vFG to FG. Dark red/orange intensely calcareous VT's cross cut sBX.					s														
			35.06						~1 mm intensely calcareous dark red Si VT	VT	40																
			41.59					tBX	~15 cm tBX VN with angular to sub angular bleached to light grey clasts within a medium to dark grey FG to MG matrix (clast supported). Margin of VN is composed of FG DOL with disseminated dark red FG Si ~8 mm wide.	VN																	x
			45.54						Undulating DOL VT ~2 mm with a light orange VT ~0.1 mm in the center.	VT																	
			46.05	47.33	1.28				~1 mm - 5 mm light grey to medium grey and light orange bands within bleached strongly dolomitized section. Being cross cut by undulating Ca/Si VT's.	FO	45		22														
			49.76	57.88	8.12	LST	DOL	cBX	Buff to light orange to bleached, FG to MG, cBX, strongly dolomitized LST with weak Si in VN/VT's, euhedral Si crystals along fracture faces, and trace Py within Ca VN/VT's or patches. Competent to clay/grit mud. Vuggy textures pervasive throughout.					s			w										

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			49.84						Ca VT with disseminated dark orange to dark red FG Si.	VT	25																
			51.46						Undulating VT ~2 mm calcareous VT with disseminated FG Si and FG euhedral Py.	VT																	
									~2 cm calcareous VN with dark red FG Si on margins and disseminated throughout.	VN	45																
			54.58	54.72	0.14				~1 - 3 mm Ca stockwork VT system, with FG euhedral and anhedral Py disseminated throughout the system. Cross cuts cBX.	VT																	
			55.08						~3 mm Ca VT with disseminated FG Si and euhedral to anhedral FG Py.	VT	50																
			57.88						Contact angle between bleached FG dolomitized LST and dark grey FG strongly dolomitized LST.	CN	50																
			57.88	60.51	2.63	LST	MBL		Dark grey to white, FG, cBX, weakly dolomitized grading into strongly marbleized LST with weak Si associated with Ca VT's/VN's. Grade from dark grey FG dolomitized LST into light grey FG marbleized LST. cBX present in dark grey unit and seams are light brown to beige to orange. cBX is being cross cut by Ca/Si VT's/VN's. MBL has LST bands and patches throughout. Ca/Si VT's/VN's overprint these features.					w			w	MBL	ms								
			59.12						Intensely calcareous VT ~2 - 3 mm with FG disseminated Si throughout.	VT	45																
			59.69	59.95	0.26				Bands ranging from 30 to 50 degrees TCA, ~1 - 3 mm composed of FG dark grey weakly dolomitized LST.	BN	40																
			60.06						Intensely calcareous VN with FG Si disseminated throughout. ~1.5 - 2 cm.	VN	60																
			60.50	60.58	0.08				Gradational contact over 8 cm, where unit becomes a light brown color.	ICN																	
60.50	79.05	18.55				VOL	OX		Dark grey, to olive green, to light orange, FG, FO, weakly oxidized VOL. Episodic sections of oxidized VOL, where most is competent rock with some sections of rubble, and few clay sections light orange in color. Olive green, and dark grey VOL locally pitted, possibly from FG euhedral Py. Oxidized Py is present in olive green zones. Sections of banding where FG Si is disseminated throughout, with wisps (~1 - 2 mm) of VOL found within and at the same orientation TCA							w	w									

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	Photo
			60.50	68.37	7.87	VOL	OX	FO	Light orange, olive green, and dark green, FG, strongly FO, moderately strongly OX VOL. Interval exhibits (Si/He?) VT's throughout. Decreasing OX of interval downhole. Stylolites pervasive throughout and are (Si/He?) rich. Si elongated blebs follow the FO.							ms	w										
			61.22						~3 - 4 cm Si VT forms a halo ~8 cm around it within the olive green section.	VT	75																
			61.34						Medium purple VT ~4 mm (He?).	VT	75																
			61.56	65.31	3.75				FO is pervasive with light orange to dark red bands.	FO	55																
			62.06						Dark red to deep purple ~2 mm VT with a ~3 mm orange rim.	VT	55																
			63.35	63.99	0.64				Stockwork VT's randomly oriented, light to pale orange in color being cross cut by FO.	VT																	
			64.34						~5 cm intensely calcareous FG Si VN.	VN	55																
			67.07						~9 mm, rusty orange VT (Si?).	VT	55																
			68.10						~5 mm rusty orange VT (Si?).	VT	55																
			68.37	71.29	2.92	VOL		FO	Olive green, FG, strongly FO, VOL. Oxidized zone near the top, light brown with relict olive green within. Disseminated pits pervasive throughout, locally concentrated in layers following FO. Pits are FG cubes (euhedral Py?).							m											
			68.37	71.29	2.92				FO seams ~ 0.5mm-1mm and dark red to orange in color (Si?)	FO	55		38														
			70.75						~1cm FG Si VN	VN	55																
			71.29						Dark grey VOL into Olive green VOL	ICN	55																
			71.29	75.21	3.92	VOL		FO	Dark grey, FG, strongly FO, VOL. Has FG cubic pits disseminated and following FO. Strongly oxidized regions dark rusty orange in color. Zone of VOL with light yellow bands defining FO. Si VT's pervasive throughout.							ms											
			71.29	75.21	3.92				FO composed of ~0.5 mm - 1.5 cm bands ranging from light yellow to deep rusty orange. Some may be FG Si bands.	FO	55																
			71.97						~5 mm light orange VT with disseminated pits, uphole side of VT has white margin with FG cubic pits within (euhedral Py?).	VT	55																x
			73.50						~2 mm FG Si VT within yellow volcanic zone.	VT	55																
			75.21						Dark grey FG VOL to Olive green FG VOL	ICN	55																
			75.21	76.20	0.99	VOL		FO	Olive green, FG, strongly FO VOL. FO consists of ~ 0.5 mm - 2 cm VT's/VN's. FO is 45 degrees TCA. Disseminated cubic pits ~ FG Py in size.																		
			75.73						~4cm FG Si VN	VN	45																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			76.20	79.05	2.85	VOL			Dark green, FG to MG VOL. Sections have FO 65 degrees TCA and FO is composed of vFG rusty orange clasts. Si bands and yellow FG clasts. Near end of interval have FG dark green matrix with disseminated CG orangey yellow irregular clasts ~1 mm.																	
			78.39						~12 cm VN composed of FG Si, with wisps of olive green VOL at 45 degrees TCA.	VN	55															x
			79.05						Contact between VOL and dolomitized LST	ICN	45															
79.05	80.36	1.31				LST	DOL		Medium to light grey, FG to MG, moderately dolomitized LST. Few VT's dark red in color (Si?). Faint banding, light orange to pale orange in color					m		w										
			79.84						Dark red (Si?) VT ~0.5 mm.	VT	50															
			80.14						Dark red (Si?) VT ~0.5 mm.	VT	40															
			80.31						Light orange to light grey banding with elongated blebs ~2.5 mm composed of Si/He?. Few patches ~3 cm of dark grey fine grains, well sorted within light grey matrix.	BN																
80.36	84.62	4.26				LST	DOL		Dark grey to light grey to buff, FG to MG strongly dolomitized, weakly silicified LST. Zone of banding composed of undulating dark grey, white, and light grey intermittent bands ~1-3 mm ranging from 45-55 degrees TCA. Zone of sBX where matrix is FG to MG beige to orange and light red in color. Clasts are ~2 mm to 2 cm vFG to FG dark grey with some disseminated FG He/Si? ~2-5 mm blebs.					s				SIL	w									
			83.73						~4 cm white to beige, FG to MG, strongly dolomitized band with ~0.5 - 1 mm light grey bands intermittent.	BN	50																
84.62	97.06	12.44				LST	SIL	sBX	Dark grey to light purple, FG, intensely sBX, strongly silicified moderately dolomitized LST. sBX textures have a dark blue to white translucent SIL matrix with local beige, sparry FG DOL. ~1 - 4 cm FG to MG He clasts which appear to be an alteration of dark grey FG LST. He clasts may also be found enclosed by a FG to MG beige to light brown to light grey matrix (sBX). Local blood red (He?) undulating VT's on contacts between SIL LST and sparry DOL. Vuggy textures present (Filled with FG to MG Ca).					m				SIL	s									x
																		HEM	m								

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			95.35	95.48	0.13				~0.5 mm ranging from 50 to 70 degrees TCA. Moderately dolomitized VT's are being cross cut by undulating ~0.5 mm dark red (He/Si?) VT's.	VT	60																
97.06	121.12	24.06				OX	LST		Medium to light brown, clay to FG sand, weakly calcareous OX, with local LST. LST buff to light brown, sBX, cBX, moderately DOL and weakly SIL. Interval of dark red OX (Si?)					m			m	SIL	w								x
			97.06						Grades from light grey into light brown to dark brown, with cBX (Si?) seams then to OX.	uCN																	
			107.65						~2 mm Si/He VT.	VT	40															
									~2 mm Si/He VT.	VT	40															
									~6 mm Qz VT with intensely calcareous dark red ~0.1 mm margins (Si?).	VT	60															
121.12	149.06	27.94				OX	LST		Light brown to medium brown, clay to FG sand, moderately calcareous OX, with large interzones of moderately DOL cBX LST. cBX seams are dark red and intensely calcareous (Si?). Patches of well rounded ~1 mm clasts dark red in color (Si?) and intensely calcareous. Few Qz irregular patches and VT's found within buff regions and tend to have dark red ~0.5 mm margins (Si?).					m		s	t	SIL	t								
			121.12						abrupt change from OX to buff LST. Can't determine contact angle due to a jagged break along fracture	uCN																	
			127.30						~2 mm DOL VT.	VT	50															
			138.00						~2 mm Ca VT with Si margins ~0.5 mm.	VT	45															
			147.62	149.06	1.44	LST	DOL		Light grey, FG, strongly dolomitized LST. Relict dark grey, FG LST patches and light brown vFG clasts disseminated throughout.					s													
			147.62						Grades over approximately 5 cm	uCN																
			148.13						~0.5 mm Si VT.	VT	30															

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
149.06	185.93	36.87				LST	DOL		Bleached, buff, and dark grey/blue MG to CG, weakly dolomitized weakly silicified LST. Bleached to beige weakly dolomitized LST with ~1 mm disseminated light brown clasts and some zones of just relict dark grey irregular clasts ~1 mm. Dark grey stylolites ~0.1 mm. Few Ca/Si VT's within this unit. Vuggy textures disseminated throughout and are filled with FG to MG Ca which may be beige in color (Si altered?). Zone of He undulating VT's (blood red). Ca VT's pervasive throughout. Intermittent zones of oolithic texture where oolites are ~1-4 mm and are dolomite rich or silica rich (White are DOL rich and Dark blue are Sil rich). Siliceous dark blue to dark grey matrix. Overall unit is clast supported.					w			t	SIL	w								
			149.06						Too rubbly to determine contact angle	uCN																	
			151.49						~1.5 mm Ca VT with disseminated FG Si.	VT	65																
			153.94	153.97	0.03				Oolithic band with dark grey oolites ~0.5-1 mm silica rich with FG DOL matrix. (Clast supported).	BN	50																
			155.62	155.88	0.26				Oolithic zone composed of ~1-4mm oolites both DOL rich and Sil rich. Dol rich are white, Sil rich are dark grey/blue and have white DOL margins. Dark blue/grey siliceous matrix (Clast supported)	BN																	
			158.75						~1.5 mm Ca VT with disseminated FG Si.	VT	60																
			158.84						~1.5 mm Ca VT with disseminated FG Si.	VT	60																
			166.28						~0.9 mm DOL VT.	VT	25																
			172.86						~1.1 cm intensely silicified Ca VN.	VN	40																
			180.01						~0.8 mm intensely calcareous VT with blood red margins ~1-2 mm thick (He/Si?).	VT	40																
			183.92						~1-1.5 mm Ca VT with dark grey seam within.	VT	50																
			185.08						~2-2.5 cm intensely calcareous dark olive green, FG matrix with a blood red stylolite along the margins. Band breaks along jagged fracture so unable to tell i both margins of band would have blood red stylolite.	BN	55																
									185.93 m: E.O.H. - Hole ended because target depth was reached.																			

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: CH-10-06

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
21.34	24.38	3.04	LST	DOL	2.63	87	J980739	7					
24.38	27.43	3.05	LST	DOL	2.77	91	J980740	7					
27.43	30.48	3.05	LST	DOL	2.95	97	J980741	7					
30.48	33.53	3.05	LST	DOL	2.90	95	J980742	7					
33.53	36.58	3.05	LST	DOL	2.80	92	J980743	7					
36.58	39.62	3.04	LST	DOL	2.60	86	J980744	7					
39.62	42.67	3.05	LST	DOL	2.72	89	J980745	7					
-	-	-	-	-	-	-	J980746	7					Standard ROS-3
42.67	45.72	3.05	LST	DOL	3.05	100	J980747	7					
45.72	48.00	2.28	LST	DOL	2.19	96	J980748	7					
48.00	49.76	1.76	LST	DOL	1.76	100	J980749	7					
-	-	-	-	-	-	-	J980750	7					Standard ROS-1
49.76	51.82	2.06	LST	DOL	1.90	92	J980751	7					
51.82	54.86	3.04	LST	DOL	2.31	76	J980752	8					
54.86	57.88	3.02	LST	DOL	2.30	76	J980753	8					
57.88	60.50	2.62	LST	DOL	2.50	95	J980754	8					
-	-	-	-	-	-	-	J980755	8					Blank (BTW)
60.50	62.00	1.50	VOL	OX	1.50	100	J980756	8					
62.00	64.01	2.01	VOL	OX	0.95	47	J980757	8					
64.01	67.06	3.05	VOL	OX	2.40	79	J980758	8					
67.06	68.37	1.31	VOL	OX	1.31	100	J980759	8					
68.37	71.29	2.92	VOL	OX	2.45	84	J980760	8					
68.37	71.29	2.92	VOL	OX	2.45	84	J980761	8					Duplicate
71.29	73.00	1.71	VOL	OX	1.39	81	J980762	8					
73.00	75.21	2.21	VOL	OX	2.09	95	J980763	8					
75.21	76.20	0.99	VOL	OX	0.80	81	J980764	8					
76.20	79.05	2.85	VOL	OX	2.35	82	J980765	8					
79.05	80.36	1.31	LST	DOL	1.30	99	J980766	8					
80.36	82.30	1.94	LST	DOL	1.88	97	J980767	8					
82.30	84.62	2.32	LST	DOL	2.25	97	J980768	8					
84.62	86.00	1.38	LST	SIL	1.37	99	J980769	8					
86.00	88.39	2.39	LST	SIL	2.27	95	J980770	8					

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
88.39	91.44	3.05	LST	SIL	3.05	100	J980771	8					
-	-	-	-	-	-	-	J980772	8					Standard ROS-1
91.44	94.49	3.05	LST	SIL	3.02	99	J980773	8					
94.49	97.06	2.57	LST	SIL	2.55	99	J980774	8					
97.06	99.00	1.94	OX	LST	1.94	100	J980775	8					
99.00	100.58	1.58	OX	LST	1.30	82	J980776	8					
100.58	103.63	3.05	OX	LST	2.80	92	J980777	8					
103.63	106.68	3.05	OX	LST	2.92	96	J980778	8					
-	-	-	-	-	-	-	J980779	8					Blank (BTW)
106.68	109.72	3.04	OX	LST	2.89	95	J980780	8					
109.72	112.78	3.06	OX	LST	2.91	95	J980781	8					
112.78	115.82	3.04	OX	LST	2.80	92	J980782	8					
-	-	-	-	-	-	-	J980783	8					Standard ROS-3
115.82	118.87	3.05	OX	LST	3.05	100	J980784	8					
118.87	121.12	2.25			2.05	91	J980785	8					
121.12	123.00	1.88	OX	LST	1.87	99	J980786	8					
123.00	125.70	2.70	OX	LST	2.70	100	J980787	8					
125.70	128.02	2.32	OX	LST	2.00	86	J980788	9					
-	-	-	-	-	-	-	J980789	9					Blank (BTW)
128.02	131.06	3.04	OX	LST	2.60	86	J980790	9					
131.06	134.11	3.05	OX	LST	3.05	100	J980791	9					
-	-	-	-	-	-	-	J980792	9					Standard ROS-2
134.11	137.16	3.05	OX	LST	2.76	90	J980793	9					
137.16	140.21	3.05	OX	LST	3.05	100	J980794	9					
140.21	143.26	3.05	OX	LST	2.98	98	J980795	9					
143.26	145.00	1.74	OX	LST	1.63	94	J980796	9					
145.00	148.00	3.00	OX	LST	3.00	100	J980797	9					
148.00	151.00	3.00	LST	DOL	2.42	81	J980798	9					
148.00	151.00	3.00	LST	DOL	2.42	81	J980799	9					Duplicate
151.00	154.00	3.00	LST	DOL	3.00	100	J980800	9					
154.00	157.00	3.00	LST	DOL	2.83	94	J980801	9					

GEOTECHNICAL LOG

HOLE: CH-10-06

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
3.05	6.10	3.05	1.08	35	0.00	0	VW	HW		
6.10	9.14	3.04	1.77	58	0.00	0	W	HW		
9.14	12.19	3.05	2.87	94	0.41	13	W	HW		
12.19	15.24	3.05	2.88	94	0.96	31	W	HW		
15.24	18.29	3.05	2.73	90	0.58	19	VW	HW		
18.29	21.34	3.05	2.79	91	0.46	15	MS	HW		
21.34	24.38	3.04	2.63	87	1.59	52	W	HW		
24.38	27.43	3.05	2.77	91	1.80	59	W	HW		
27.43	30.48	3.05	2.95	97	1.68	55	W	HW		
30.48	33.53	3.05	2.90	95	2.25	74	MS	HW		
33.53	36.58	3.05	2.80	92	2.57	84	W	HW		
36.58	39.62	3.04	2.60	86	1.35	44	VW	HW		
39.62	42.67	3.05	2.72	89	1.68	55	W	HW		
42.67	45.72	3.05	3.05	100	1.13	37	VW	HW		
45.72	48.77	3.05	2.82	92	1.65	54	W	HW		
48.77	51.82	3.05	2.76	90	1.06	35	VW	HW		
51.82	54.86	3.04	2.31	76	0.90	30	VW	EW		
54.86	57.91	3.05	2.45	80	0.50	16	VW	EW		
57.91	60.96	3.05	2.78	91	2.00	66	VW	EW		
60.96	64.01	3.05	2.44	80	0.35	11	MS	SW		
64.01	67.06	3.05	2.40	79	0.13	4	VW	HW		
67.06	70.10	3.04	2.61	86	0.62	20	VW	HW		
70.10	73.15	3.05	2.68	88	0.71	23	W	HW		
73.15	76.20	3.05	2.69	88	0.74	24	W	HW		
76.20	79.25	3.05	2.45	80	0.85	28	W	HW		
79.25	82.30	3.05	2.82	92	1.46	48	W	SW		
82.30	85.34	3.04	2.94	97	2.55	84	MS	SW		
85.34	88.39	3.05	2.89	95	2.14	70	MS	MW		
88.39	91.44	3.05	3.00	98	1.46	48	W	MW		
91.44	94.49	3.05	3.02	99	2.50	82	MS	FR		
94.49	97.54	3.05	2.94	96	2.49	82	MS	FR		
97.54	100.58	3.04	2.89	95	1.43	47	VW	HW	7.5yr 2.5/2	
100.58	103.63	3.05	2.95	97	0.61	20	VW	HW	10yr 4/3	
103.63	106.68	3.05	2.92	96	0.00	0	EW	EW	10yr 4/3	
106.68	109.72	3.04	2.89	95	0.68	22	VW	HW		
109.72	112.78	3.06	2.91	95	0.66	22	W	MW		
112.78	115.82	3.04	2.80	92	0.00	0	EW	EW	10yr2/2 10yr4/6	
115.82	118.87	3.05	3.05	100	0.20	7	EW	EW	10yr4/4	
118.87	121.92	3.05	2.64	87	0.25	8	VW	HW	10yr3/4	
121.92	124.97	3.05	3.05	100	2.64	87	S	SW		
124.97	128.02	3.05	2.75	90	0.50	16	VW	HW	10yr4/4	
128.02	131.06	3.04	2.60	86	0.17	6	VW	HW	10yr4/6	
131.06	134.11	3.05	3.05	100	0.18	6	VW	HW	10yr5/6	
134.11	137.16	3.05	2.76	90	0.11	4	VW	HW	10yr3/4	
137.16	140.21	3.05	3.05	100	0.57	19	W	HW	10yr4/4	
140.21	143.26	3.05	2.98	98	1.37	45	W	HW		
143.26	146.30	3.04	2.81	92	0.52	17	W	HW		
146.30	149.35	3.05	2.38	78	1.25	41	W	HW		
149.35	152.40	3.05	3.00	98	2.56	84	MS	MW		
152.40	155.45	3.05	2.89	95	1.43	47	W	MW		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
155.45	158.49	3.04	2.72	89	1.53	50	W	HW		
158.49	161.54	3.05	2.87	94	1.45	48	MS	SW		
161.54	164.59	3.05	2.90	95	2.29	75	W	SW		
164.59	167.64	3.05	2.96	97	2.29	75	MS	HW		
167.64	170.69	3.05	2.94	96	1.32	43	MS	HW		
170.69	173.74	3.05	2.93	96	0.56	18	W	HW		
173.74	176.78	3.04	2.99	98	1.83	60	W	SW		
176.78	179.83	3.05	3.01	99	0.71	23	W	HW		
179.83	182.88	3.05	2.63	86	2.00	66	W	HW		
182.88	185.93	3.05	2.86	94	1.89	62	W	HW		E.O.H.

MAGNETIC SUSCEPTIBILITY LOG

HOLE: CH-10-06

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	OVB		na	
2.00	OVB		na	
3.00	OVB		na	
4.00	LST	DOL	0.71	
5.00	LST	DOL	0.94	
6.00	LST	DOL	0.00	
7.00	LST	DOL	0.20	
8.00	LST	DOL	0.18	
9.00	LST	DOL	1.02	
10.00	LST	DOL	1.02	
11.00	LST	DOL	0.00	
12.00	LST	DOL	0.14	
13.00	LST	DOL	1.74	
14.00	LST	DOL	0.00	
15.00	LST	DOL	0.75	
16.00	LST	DOL	0.24	
17.00	LST	DOL	1.49	
18.00	LST	DOL	0.00	
19.00	LST	DOL	0.26	
20.00	LST	DOL	0.51	
21.00	LST	DOL	0.75	
22.00	LST	DOL	1.25	
23.00	LST	DOL	0.12	
24.00	LST	DOL	0.00	
25.00	LST	DOL	1.98	
26.00	LST	DOL	3.71	
27.00	LST	DOL	2.15	
28.00	LST	DOL	0.38	
29.00	LST	DOL	0.67	
30.00	LST	DOL	0.30	
31.00	LST	DOL	3.09	
32.00	LST	DOL	1.37	
33.00	LST	DOL	0.00	
34.00	LST	DOL	0.14	
35.00	LST	DOL	2.02	
36.00	LST	DOL	1.41	
37.00	LST	DOL	1.06	
38.00	LST	DOL	1.84	
39.00	LST	DOL	0.04	
40.00	LST	DOL	2.52	
41.00	LST	DOL	3.54	
42.00	LST	DOL	1.04	
43.00	LST	DOL	0.00	
44.00	LST	DOL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	LST	DOL	2.25	
46.00	LST	DOL	0.00	
47.00	LST	DOL	0.36	
48.00	LST	DOL	0.43	
49.00	LST	DOL	4.94	
50.00	LST	DOL	0.51	
51.00	LST	DOL	1.23	
52.00	LST	DOL	0.00	
53.00	LST	DOL	4.38	
54.00	LST	DOL	0.43	
55.00	LST	DOL	1.68	
56.00	LST	DOL	1.57	
57.00	LST	DOL	0.22	
58.00	LST	DOL	0.00	
59.00	LST	DOL	1.12	
60.00	LST	DOL	2.35	
61.00	VOL	OX	0.00	
62.00	VOL	OX	1.53	
63.00	VOL	OX	1.88	
64.00	VOL	OX	0.73	
65.00	VOL	OX	0.00	
66.00	VOL	OX	0.00	
67.00	VOL	OX	0.06	
68.00	VOL	OX	0.24	
69.00	VOL	OX	0.00	
70.00	VOL	OX	0.30	
71.00	VOL	OX	0.57	
72.00	VOL	OX	0.82	
73.00	VOL	OX	0.36	
74.00	VOL	OX	1.39	
75.00	VOL	OX	0.02	
76.00	VOL	OX	0.00	
77.00	VOL	OX	0.00	
78.00	VOL	OX	0.32	
79.00	VOL	OX	3.36	
80.00	LST	DOL	1.86	
81.00	LST	DOL	1.47	
82.00	LST	DOL	3.52	
83.00	LST	DOL	1.94	
84.00	LST	DOL	2.66	
85.00	LST	SIL	0.00	
86.00	LST	SIL	2.50	
87.00	LST	SIL	3.64	
88.00	LST	SIL	0.55	
89.00	LST	SIL	2.35	
90.00	LST	SIL	1.57	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	LST	SIL	1.20	
92.00	LST	SIL	0.79	
93.00	LST	SIL	0.88	
94.00	LST	SIL	2.46	
95.00	LST	SIL	3.85	
96.00	LST	SIL	2.56	
97.00	LST	SIL	2.54	
98.00	OX	LST	0.00	
99.00	OX	LST	0.90	
100.00	OX	LST	0.08	
101.00	OX	LST	0.04	
102.00	OX	LST	0.03	
103.00	OX	LST	0.00	
104.00	OX	LST	0.12	
105.00	OX	LST	0.75	
106.00	OX	LST	2.05	
107.00	OX	LST	2.82	
108.00	OX	LST	1.49	
109.00	OX	LST	0.00	
110.00	OX	LST	0.79	
111.00	OX	LST	0.53	
112.00	OX	LST	0.00	
113.00	OX	LST	0.00	
114.00	OX	LST	0.86	
115.00	OX	LST	3.99	
116.00	OX	LST	1.47	
117.00	OX	LST	1.33	
118.00	OX	LST	0.79	
119.00	OX	LST	0.88	
120.00	OX	LST	0.61	
121.00	OX	LST	0.88	
122.00	OX	LST	0.63	
123.00	OX	LST	2.33	
124.00	OX	LST	0.86	
125.00	OX	LST	1.20	
126.00	OX	LST	0.00	
127.00	OX	LST	0.00	
128.00	OX	LST	4.57	
129.00	OX	LST	0.34	
130.00	OX	LST	0.00	
131.00	OX	LST	0.02	
132.00	OX	LST	1.31	
133.00	OX	LST	0.00	
134.00	OX	LST	4.16	
135.00	OX	LST	0.45	
136.00	OX	LST	0.57	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	OX	LST	0.86	
138.00	OX	LST	0.71	
139.00	OX	LST	0.00	
140.00	OX	LST	0.53	
141.00	OX	LST	0.86	
142.00	OX	LST	0.43	
143.00	OX	LST	0.57	
144.00	OX	LST	0.12	
145.00	OX	LST	1.23	
146.00	OX	LST	0.00	
147.00	OX	LST	1.51	
148.00	LST	DOL	0.43	
149.00	LST	DOL	0.30	
150.00	LST	DOL	0.00	
151.00	LST	DOL	1.64	
152.00	LST	DOL	0.00	
153.00	LST	DOL	0.00	
154.00	LST	DOL	1.39	
155.00	LST	DOL	0.71	
156.00	LST	DOL	0.90	
157.00	LST	DOL	0.00	
158.00	LST	DOL	0.08	
159.00	LST	DOL	0.00	
160.00	LST	DOL	0.00	
161.00	LST	DOL	0.00	
162.00	LST	DOL	0.51	
163.00	LST	DOL	0.28	
164.00	LST	DOL	1.76	
165.00	LST	DOL	1.55	
166.00	LST	DOL	0.55	
167.00	LST	DOL	1.00	
168.00	LST	DOL	0.49	
169.00	LST	DOL	0.82	
170.00	LST	DOL	0.84	
171.00	LST	DOL	0.63	
172.00	LST	DOL	0.16	
173.00	LST	DOL	0.30	
174.00	LST	DOL	0.06	
175.00	LST	DOL	1.12	
176.00	LST	DOL	0.55	
177.00	LST	DOL	0.28	
178.00	LST	DOL	0.00	
179.00	LST	DOL	0.69	
180.00	LST	DOL	0.00	
181.00	LST	DOL	0.00	
182.00	LST	DOL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00	LST	DOL	0.00	
184.00	LST	DOL	0.00	
185.00	LST	DOL	0.14	E.O.H.

DENSITY LOG

HOLE: CH-10-06

Depth (m)	Unit	Modifier	Texture	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
				Py %	As %	Other	%							
62.70	VOL	OX	FO						14.8	4.2	561.2	355.8	2.79	2.73
77.13	VOL								14.4	4.2	501.3	302.8	2.56	2.53
93.95	LST	SIL	SBX						14.9	4.2	553.9	345.5	2.74	2.66
124.02	LST	DOL							14.6	4.2	551.3	350.0	2.78	2.74
157.85	LST	DOL							15.0	4.2	568.5	358.7	2.79	2.71

BOX LOG

HOLE: CH-10-06

BOX	FROM (m)	TO (m)
1	3.05	9.70
2	9.70	15.14
3	15.14	20.53
4	20.53	25.91
5	25.91	31.60
6	31.60	37.13
7	37.13	42.51
8	42.51	47.48
9	47.48	52.67
10	52.67	57.91
11	57.91	63.35
12	63.35	69.12
13	69.12	74.10
14	74.10	79.66
15	79.66	85.34
16	85.34	90.75
17	90.75	96.25
18	96.25	101.71
19	101.71	106.97
20	106.97	112.60
21	112.60	118.19
22	118.19	122.85
23	122.85	128.02
24	128.02	133.59
25	133.59	138.81
26	138.81	143.56
27	143.56	149.35
28	149.35	154.76
29	154.76	159.92
30	159.92	165.11
31	165.11	170.69
32	170.69	175.67
33	175.67	180.96
34	180.96	185.93
185.93 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
		527532	7120206	1425	286.06

ZONE: Condor

SECTION:

HOLE: CO-10-01

CLAIM:

Contractor: Beaudoin

Drill: 1

Core size: BTW

Casing depth: 42.67 m out

Drilling dates: July 27 - August 5, 2010

Geology logged by: K. Unger, J. McDivitt

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-60.0	compass				
45.72	228	-57.7	Ranger				
60.96	228	-58.7	Ranger				

TARGET: Extension of the Oxide Horizon

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	5.29	5.29	OVB	No recovery.
5.29	28.20	22.91	LST	SID altered, mottled
28.20	35.05	6.85	VOL	
35.05	46.59	11.54	LST	DOL, Rubbly
46.59	51.52	4.93	LST	sBX, cBX
51.52	87.17	35.65	LST	DOL sBX,cBX fairly OX
87.17	92.81	5.64	OX	gritty, clay-rich
92.81	97.69	4.88	LST	OX
97.69	98.34	0.65	OX	
98.34	102.11	3.77	LST	DOL altered with pervasive stockwork veinlets
102.11	111.25	9.14	VOL	Oxidized
111.25	113.00	1.75	LST	DOL
113.00	117.81	4.81	OX	with fair SID component
117.81	118.63	0.82	LST	DOL
118.63	120.62	1.99		OX with fair siderite
120.62	173.74	53.12	LST	Dolomitized with fair silicification.
173.74	286.05	112.31	LST	Dolomitized with cBX.

SAMPLES

Numbers: I076698-I076698, I076705-I076732
I076767-I076769, I076773-I076776, I076813, I076730

Total: 81

Batch: 61, 62, 63, 64, 65

Date Sent: August 2, 3, 4, 5 2010

Certificate: VA10109945, VA10109944, VA10108987
VA10108986, VA10108985

COMMENTS

The hole was ended because it was past the targeted oxide horizon.

GEOLOGY LOG

HOLE: CO-10-01

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	5.29	5.29				OVB			Overburden - no recovery.																		
5.29	28.20	22.91				LST	SID	MO	Dark rusty brown to dark grey, FG to CG sBX FOS LST with moderate siderite alteration. A trace amount of small crinoids are present in dark grey intervals. Where the LST is rusty orange, sinuous rusty-yellow compositional banding is evident although there is a lack of pervasive fabric orientation throughout. Overall the core is blocky and rubbly.	FO	N/A						m										
28.20	35.05	6.85				VOL			Dark grey, MG to FG, variably SID altered, weakly pitted, non-magnetic VOL. XRF yields high Fe, Ti and K values. The core is blocky, rubbly and highly weathered in appearance. There is a lack of uniform foliation as it is mostly obscured by weathering.	FO	N/A															
35.05	46.59	11.54				LST	DOL		Light to dark grey, FG to CG, rubbly intensly DOL altered LST. Dark red/brown variably calcareous siderite occurs on fracture faces. The core is very blocky to rubbly throughout interval appearing highly weathered. sBX textures are exhibited by some blocks of core. A weak foliation is obscured by the highly weathered rubbly nature of the core.	FO	N/A			i		m										
			37.55						Rusty, dark brown calcareous siderite vein, 1.9 cm wide, 45 degrees TCA occurs at 37.55 m. Oxidized stockwork crackle veinlets appear intermittantly throughout the interval.	VN	45															
			35.05	42.51	7.46	LST	DOL	SBx	Interval exhibits strongly dolomitized LST with varying degrees of oxidation and brecciation. Classi sBX texture is present locally along with a more widespreak faint cBX texture. At certain points in the interval cBX appears to be overprinting the sBX texture.					i		f										
									Multiple calcite veinlets ranging in orientation and size from 1 mm to 0.5 cm and 35-65 deg to CA are present within the interval.	VT	35		7													
										VT	65		7														
			42.51	42.73	0.22	SAN			Interval consists of a white to light yellow coloured medium grained, non calcaresous sand.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			42.73	46.59	3.86	LST	RBL		Interval consists of rust coloured, extremely rubbly intesely dolomitized LST exhibiting cBX and dissolution textures in the pieces that are not too broken up. Calcite occurs in veins, filled voids and fracture surfaces. The unit is too broken up to obtain any accurate structural measurments.					i		s											x
46.59	51.52	4.93				LST		sBX	The majority of this interval consists of dark brown siderite with intermittant sections exhibiting relict sBX and cBX strongly DOL LST textures. Near the end of the interval the lCN shows gradation in SID alteration and is a lighter cream brown colour. Stockwork veining is present throughout the interval and appears to be responsible for the addition of siderite to the system. Stockwork veining is present as crackle veinlets of random orientation as well as siderite filled veins. The majority of veins and veinlets throughout the interval are filled with siderite. Some veins are filled with calcite in the center and siderite filling the edges. This may suggest at least some of the crackle texture and veins were present before the addition of SID alteration and acted as fluid pathways.					s			i											x
									Siderite is more common along with calcite in the larger veins. These veins also tend to show a more consistant orientation.	VN	40		5				m											
										VN	45		5															
									Veinlets are generally of random orientation completely siderite filled and contribute to cBX textures.	VT	30		15															
										VT	26		15															
									Trace clear-green glassy sphalerite(?) with calcite occurs on multiple fracture faces.																	Sp	t	
									Smithsonite is present as an earthy, rusty brown, granular variety found disseminated throughout the interval. Values as high as 4.5% zinc were yielded by XRF analysis of the interval.																	Sm	f	
			46.59	48.77	2.18	DOL	SID	SBx	The upper contact between DOL LST and heavily SID altered DOL is a gradational contact illustrating sections of SID alteration as well as weakly DOL altered sections of LST exhibiting classic sBX texturea.	uCN							s											

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									Both siderite and calcite veins are present along contact. Calcite veins show infilling with siderite around edges. Veins are approximatley 1 cm in width.	VN	45		5														
										VN	30		5														
									Both early smithsonite and crystalline sphalerite are present within the contact interval.																Sp	t	
																									Sm	w	
			48.77	50.48	1.71	DOL	SID		This interval consists of dark brown, intensley SID altered DOL overprinting of relict LST BX textures. Siderite alteration is nearly massive throughout and blood red staining can be seen on various fracture surfaces and pits throughout interval (hematite?). Relict sBX LST clasts have been altered to cream brown in colour. Calcite occurs as the residual matrix of relict sBX and is associated with SID alteration zones. Earthy brown smithsonite is found disseminated throughout the interval.								i								Sm	s	
			50.48	53.57	3.09	DOL	SID	sBX	The lower contact of intensley SID altered DOL consists of a weakly SID altered DOL phasing in and out with apparantly unaltered dolomite. Contact is a lighter creamy brown colour illustrating pervasive sBX texture. Small crackle veinlets are oxidized. Trace subhedral pyrite is present, commonly on fracture surfaces.	ICN						t	w			t							
									A banding texture representing foliation consists of a brownish-white dolomite alternating with grey dolomite. Banding is more evident in less SID altered areas of the contact.	FO	60																
51.52	87.17	35.65				LST	DOL	sBX	This interval consists of two main units of DOL. The first unit contains a greater amount of sBX textures, dissolution seams and foliation defined by banding. It is relativley unweathered and contains little oxidation. The second type of dolomite unit present within this interval contains a high density of stockwork style crackle veinlets. This unit is more oxidized and contains trace slightly oxidized pyrite. Veinlets in this style of DOL are generally infilled with oxidized material.					i		f				t							
			53.57	60.59	7.02	LST	DOL	BN	This interval is defined by intensely dolomitized LST with varying degrees of sBX and cBX textures, weak oxidation and calcite filled vugs. Trace oxidized pyrite is present, commonly on fracture surfaces.					i		w			t							x

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									A foliation is weakly defined by non pervasive banding at between 20-30 deg TCA.	FO	25																
			60.59	61.70	1.11	LST	DOL		This interval consists of a bleached, moderatly oxidized intensely dolomitized LST. Randomly oriented, oxidized stockwork veinlets are common throughout along with oxide filled pits. Trace subhedral pyrite is present within calcite veins and along fracture surfaces.					i		m				t							
									Oxidized calcite veins are common in the interval.	VN	40		3			m											
			61.70	63.20	1.50	LST	DOL		Bleached, intensely dolomitized LST exhibiting relict cBX textures. Unenvenly spaced pits are pervasive throughout the interval and filled with calcite and oxidized material. Trace anhedral spotted pyrite occurs on fracture surfaces.											t							
									Minor calcite veinlets occur throughout the interval.	VT	50		1														
			63.30	64.40	1.10	DOL	VT		Interval consists of bleached, moderately oxidized dolomite with pervasive stockwork veinlets and stylolitic textures. A 5 cm wide dark grey silty interbed is present at the end of the interval. Trace subhedral pyrite is also present throughout.							m				gt							
									Although stockworck veinlets are pervasive, a large percentage of veinlets appear to share a common orientation at 45 deg TCA.	VT	45		10														
			63.86	63.88	0.02				A large, 2.5 cm calcite vein is present at 63.86 m.	VN	45		1														
			64.40	74.22	9.82	LST	DOL		Intensely dolomitized, variably bleached, weakly oxidized LST with sBX and cBX textures throughout. Stylolitic dissolution seams are pervasive throughout. Dolomitized LST layers ~ 2 cm wide are present within the interval. A weakly pitted texture is present and pervasive throughout the interval. Pits are calcite filled. Minor oxidize stockwork veining is also present. Trace subhedral pyrite is present on fracture surfaces.					i		f				t							
			74.22	74.90	0.68	DOL	VN		Unit consists of bleached intensely dolomitized LST with minor dissolution seams.																		
									Large ~0.5-1cm wide stockwork Ca-Py veining is present. They contain calcite, fizzing readily, and also contain heavily oxidized subhedral-anhedral Py.	VN	20		2							w							

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			74.90	80.31	5.41	LST	DOL		Strongly dolomitized LST exhibiting sBX and cBX textures. Towards the end of the unit the dolomite appears more bleached and contains a higher density of stylolitic dissolution seams. Parts of the unit exhibit a pitted texture with minor calcite filling the pits. Parts of this interval are rubbly. Overall this interval exhibits a weak oxide alteration.					i		w												
									Oxidized veinlets are present in this interval anc contain calcite and trace pyrite. They appear to share a common orientation 30 degrees TCA.	VT	30		3			m				t							
			80.31	85.45	5.14	LST	DOL		Unit consists of a bleached moderatley oxidizec dolomitized LST with a high density of stockwork veinlets. The dolomitized limestone appears more granular at the start of the unit and more crystalline at the end. The interval ranges from competant to sand like inttermittently throughout. The more weathered sand and rubble sections show a much higher degree of oxidation than the competant sections. Subhedral to euhedral moderately oxidized disseminated pyrite occurs in veinlets and along fracture faces.					i		m				t								
									Stockwork veinlets are pervasive throughout the unit but at least one set of veinlets shares a common orientation of 50 degrees TCA. Veinlets contain calcite and pyrite and appear highly oxidized.	VT	50		12														
			87.17						Interval becomes more calcarious (fizzes more intensly with 10% HCl) as it approximates lCN. A sharp contact exists from this interval to the next. Unable to obtain a contact angle as it's too rubbly to determine	lCN																		
87.17	92.81	5.64				OX			Medium to light brown, gritty to clay rich, moderately calcarious oxide. Interval consists of variable competant, rubbly and oxidized units. The more competant rock is highly weathered and moderately calcarious with relict stockwork veins and resembles the unit above the uCN. Between 91.35 to 91.44m, a highly bleached intensly calcarious rubbly interval exists.							i												
									Medium grey tp medium reddish where oxidized stockwork veins.	VT																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
92.81	97.69	4.88				LST	OX		Bleached, FG to MG moderately oxidized LST with trace Py mineralization. This unit is moderately calcarious and has a pervasive stockwork veining system which appears to be overprinted by larger veins. Intermittant, more highly weathered sections occur throughout the interval where they are light grey to light brown in colour with a gritty/clayey texture. Disseminated FG to MG Py is found throughout and appears to be overprinting the stockwork veins. FG to MG calcite crystals visible on slightly weathered fracture faces.					w		w												
									Stockwork veins are dark to medium grey and some appear dark red in color (oxidized?). ~0.5-1cm	VT																
			95.23						Oxidized VT appears to overprint the stockwork veining system and is ~1.0cm in size	VT	65																
			96.08						Ca vein with trace FG Py.	VT	55								t							
97.69	98.34	0.65				OX			Light to medium brown, clay to gritty moderately calcarious oxide. The unit is extremely weak and has collapsed onto itself resulting in a non-core form, and more of a soup structure.							i									
			98.34						Sharp contact from OX to LST. Too rubbly to determine a contact angle	ICN																
98.34	102.11	3.77				LST	DOL		Light grey to buff, FG to MG, moderately dolomitized LST. The unit is weakly oxidized giving the buff color. Pervasive stockwork veining occurs throughout and appears to be overprinted by oxidized calcite veins and reddish (SID?) veins. Some sections show a preferred oriented Fo, and other sections show granular FG to MG brown disseminated grains.					w			t											
									Dark to medium grey 0.5 cm Ca VT appears to overprint the stockwork veins.	VT	70																
			101.00	101.31	0.31	LST	DOL	Fo	Bleached to buff intensely dolomitized, slightly vuggy, LST with a strong FO and stockwork veining thin. FG to MG DOL crystals partially infill many of the vugs.					i														
									Foliation is defined by medium to dark grey evenly spaced bands that are pervasive throughout the unit.	FO	60																
			101.31	101.70	0.39				~ 1.0 cm reddish to purplish (SID/HEM?) VT's undulate with no preferred orientation.	VT																	

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			101.70	102.11	0.41				~1.0 cm rusty brown with some transparent Ca crystalfilled veinlet overprints the stockwork veins.	VT	50																
			102.11						A sharp contact exisits between this unit and the next but an orientation can not be determined as it is too rubbly.	ICN																
102.11	111.25	9.14				OX	SID		Dark to medium brown with hints of orange-rust,, clayey/gritty oxide with weak Qz mineralization. Interval consists of competant, rubbly, and gritty/clay rich material. The more competant rock has a vuggy texture and is quite dense and siderite rich. FG to MG Qz is found disseminated throughout the interval. Orange rusty color seems to concentrate within the more rubbly sections.								s											
111.25	113.00	1.75				LST	DOL		Light grey, to bleached, FG weakly dolomitized LST with dark grey stockwork veining throughout. Core competency varies from intermittent rubbly areas to competent rocl. Where rubbly, the core is more oxidized (111.71m). Between 112.10 and 112.50 m a unit consisting of highly silicic alteration and VT's consisting of Dol in a undulating, and non-preferential orientation.					w		w		SIL	m									
			113.00						A sharp contact exisits b/w this unit and the next and contact too rubbly to determine contact angle	ICN																
113.00	117.81	4.81				VOL	OX		Light orange to light greeny-orange moderately oxidized and moderately SER altered VOL. The flaking SER is light green in color. There are some flakes along the fractures that are black in color. Fo is present intermittantly throughout the interval. Units are variably rubbly and competant.							ms		SER	m								
			114.40	114.50	0.10				FO is defined by ~0.5 cm black bands that occur within the competant highly oxidized unit.	FO	50															
									Sharp contact between this unit and the next. The contact angle can't be determined due to moderately to intense rubbly sections.	ICN																
117.81	118.63	0.82				LST	DOL		White-buff MG crystalline, silicified, dolomitized LST with white-buff MG calcite grains that are present throughout the interval.					i				SIL	m						

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									A series of QZ veins occur over a 20 cm section and vary in diameter from 0.5 cm-1.0 cm.	VN	85		20														
									Gradational contact between silicified dolomitized LST, and the Oxide unti occurs over 10cm.	LCN																	
118.63	120.62	1.99				OX			Rusty orange-brown oxide unit. A gritty texture on the upper contact grades into a clay-earthy texture t the lower contact. The oxide holds cylindrical-core shape. Dark-brown colour on lower fracture surface may represent siderite. Noteworthy Zn-As values provided by XRF readings are 0.4-0.9% Zn, and 0.1- 0.4% As. Oxide does not fizz with 10% HCl.								f												
									Lower contact sharp (over 2 cm) but broken up	LCN																	
120.62	135.64	15.02				LST	DOL		Bleached-buff FG crackle-brecciated, silicified, dolomitized limestone. Unbleached, dark-grey zones occur throughout unit, but are more pervasive up-section. Crackle-brecciations occur without common orientation, but have a 0.1-0.2 cm bleached zone around them. The entire unit (bleached and unbleached) does not fizz with 10% HCl, unless scratched or applied to the smaller calcite veinlets. Several angular-rubbly sections make up to 10% of the unit. No fossils visible.					i				SIL	m									x
			131.30	131.49	0.19	QV			A large, 19 cm thick, Qz vein contains several buff brown angular clasts that fizz strongly with 10% HCl.	VN	25																	
			133.38						0.5 cm thick calcite vein with slight discolouration due to the oxidation of several small but still visible pyrite crystals inside the vein.	VN	25									w							
			126.19	126.69	0.50				0.05 cm thick buff calcite veinlets at 20 degrees TCA occur, over a 50 cm section.	VN	20		15														
			128.31	128.65	0.34	LST	DOL		Dark (unbleached) FG intensly dolomitized, moderately silicified limestone. The unit does not fizz unless scratched. Undulating/irregular upper and lower contacts bleach the LST.					i				SIL	m									

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			132.90	133.50	0.60	LST	DOL		Dark grey (unbleached) FG partially brecciated, silicified (hard) and intensley dolomitized limestone. Brecciation textures are made of light coloured silicified carbonate. The upper contact with the bleached dolomitized limestone is sharp while the lower one is gradational over 7.0 cm. Brecciation textures are 0.2-0.8 cm wide and do not show a common orientation.					i				SIL	m								x
			135.22	135.34	0.12	LST	DOL		Buff-redish, MG, dolomitized limestone. The redish (siderite/hematite?) alteration occurs on the edges o veinslets throughout the unit and fizzes readily with acid on the edges. Partial brecciation at the lower contact by a lighter coloured silicified mfine to medium grained dolomite. Small, angular, dark (unbleached) clasts (1-2 cm in diamter) are also present in the silicified/dolomitized carbonate.					i				SIL	m								
135.34	173.74	38.40				LST	DOL		Dark blue alternating with light grey highly dolomitized, silicified LST. The interval is made up of approximatley 50% dark and 50% light grey units. The dark blue units illustrate sBX textures and calcite veining. The lighter grey units appear to be stained with a weak oxide alteration. Oxidized calcite veinlets occuring in a stockwork fashion are much more prominant in the light grey units. These oxidized calcite veinlets are associated with oxidized subhedral-euhedral pyrite. An underlying cBX texture consisting of what appears to be randomly oriented dissolution seams is present within the lighter grey unit and are visably overprinted by oxidized stockwork veinlets.					s				SIL	m								
									Both quartz and calcite veins/veinlets are present to varying degrees throughout the interval.	VT	10		2														
										VN	20		2														
										VT	20		10														
										VT	40		3														
										VN	50		2														

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									There appears to be at least two different sets o calcite veins/veinlets appearing within the unit. Thicker, non-oxidized veinlets ~40 degrees TCA appearing in the dark blue units along with SBX textures and thinner, highly oxidized veinlets containing pyrite mineralization ~10 degrees TCA occuring more prominantley in the lighter grey zones.																			
									Highly oxidized pyrite mineralization is present as a subhedral medium grained variety present on fracture surfaces and in veins/veinlets.										t							
			164.00	164.59	0.59	DOL	VN		This unit consists of relativley large hydrothermal dolomite veining creating a weak sBX textured LST with minor smokey quartz infill. The dolomite veining is sinous, inconsistant and 2 cm at its widest point. The upper part of the veining is at a low angle TCA ~10 degrees; in general, the veining is too inconsistant to obtain an accurate structural measurment. The dolomite crystals within the veins are coarse grained, well defined and are cream brown in colour (ferroandolomite?). LST sBX clasts surrounding the veining have been altered to a pale green colour.									SIL	s									
			169.50	171.50	2.00	LST	DOL		This interval consists of a cream brown, moderatley oxidized, dolomitized sBX LST. The brecciation textures are present but clasts and matrix have been altered to various rusty brown colours. Oxidized veinlets occur in a stockwork fashion and contain oxidized subhedral pyrite.					s		m			t							
									Early calcite veins, cutting at ~40 degrees TCA are 2 cm wide and appear unaltered. These veins are crosscut but later pyrite bearing carbonate veins.	VN	45		3						s							
			171.20	171.21	0.01				A dark brown, slightly calcareous siderite vein 1.5 cm wide cuts at 45 deg TCA and contains pyrite.	VN	45															
			170.35						A quartz vein containing oxidized pyrite occurs at low angles TCA.	VN	10															
									Two distinct sets of veins/veinlets are also present in this unit. An earlier unaltered set of calcite veins ~45 degrees TCA and a later crosscutting set of carbonate and quartz veins/veinlets containing pyrite at ~10 degrees TCA.																	
									Subhedral MG to FG pyrite is highly oxidized and associated with veins at low angles TCA.										w							

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
173.74	198.12	24.38				LST	DOL	cBX	Medium to dark grey, FG to MG, variable cBX and sBX and moderately DOL LST. Random DOL VTs pervasive throughout the interval. Disseminated vuggy textures filled with DOL crystals. Sections of highly oxidized intensly calcareous VTs with vuggy textures. Intermittant sBX that is light red in color surrounding dark grey clasts. Dark red styolites pervasive throughout the unit					m														
									Random undulating VT's ~ 0.2 to 0.5 cm showing no preferred orientation pervasive throughout interval. VT's can be moderately to intensely oxidized	VT																
									~ 1.0 cm DOL VT, appears to overprint sBX	VT	30															
									~0.5 cm DOL VT	VT	70															
			193.30	194.09	0.79	LST	DOL		Highly oxidized, intermittant Ca VNs ~20 to 15 cm wide exhibiting a dark red to purple color. The veins are slightly vuggy and are found within a sBX DOL LST.	VN	70			i												
									~1.5 cm intensely calcareous vein exhibiting a light to medium red color.	VN	25															
198.12	204.65	6.53				LST	DOL	cBX	Light grey to buff FG to MG variably cBX weakly DOL LST. cBX seams are light red and dark grey and moderately calcareous. Intermittant units of competant to rubbly dark red to purple (HEM) alteration with a moderately vuggy texture. The vugs contain dark red vitreous to translucent crystals (Oxidized calcite or Hem?). Dark red styolites are pervasive throughout interval.					w				HEM	m								
									~ 0.2 cm to 1.0 cm Ca VT's showing random orientations and appear to cross cut cBX. Some have a weak OX alteration overprint.	VT				w												
									~0.5 cm orangy-red, highly oxidized calcareous VT.	VT	25															
									The ICN is too rubbly to define but is gradational	ICN																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
204.65	267.85	63.20				LST	DOL	cBX	Dark to light grey and buff, FG to MG, FO, intensly DOL altered and moderately SIL altered LST with cBx and sBX textures. Episodic dark grey moderate to intensely cBX texture tend to overprint sBX textures, while the cBX textures tend to be overprinted by pervasive Ca VT's. Episodic sBX has a white DOL matrix with0.1 cm-1.5 cm medium to light grey dolomitized limestone clasts. The matrix occasionally has a light red color. Episodic silicification of the unit occurs. Dark grey and dark red/ purple styolites are found pervasively throughout.					m				SIL	m							
			206.15						0.3 cm undulating deep purple to dark red veinlet.	VT																	
			212.51	215.70	3.19				Dark grey banding enclosing calcareous clasts ~0.1 to 0.2 cm in width and 0.2 cm to 2.0 cm in length.	FO	70		150															x
									~1.5 cm calcareous deep red to purple vein	VN	25																	
			220.83	223.35	2.52				Dark grey bands ~ 0.1 cm found within a weakly bleached DOL interval.	FO	70		160															
			224.35						~0.1 cm intensely calcareous VT.	VT	70																	
			225.72						~0.2 cm orange, oxidized, calcarious VT	VT	25																	
			244.39						~0.5 cm calcareous VT with oxidized seams ~0.05 cm enclosing the VT	VT	60																	
			246.24						Dark grey seams which may or may not enclose moderately DOL elongated white clasts which range from 0.1 to 0.2 cm in width and 0.2 to 2.5 cm in length along the Fo	FO	80																	
			249.31	251.43	2.12	LST	DOL		Bleached and dark-grey FG-MG banded, moderately dolomitized limestone. The upper contact is gradational over 15 cm, no orientation to contact. Darker bands 0.25-0.75 cm thick and oriented at 80 deg TCA. Stylolites visible throughout sub-interval. Dolomitized carbonate (calcite?) veins occur along some of the margins of the darker bands. Sub interval fizzes light-very lightly with 10% HCl. Interval is not silicified	BN	80			m														x
									Veinlet set, 0.05cm in diamter pervasive from 252.00-254.00 m. Dark-med brown and fizzes strongly with 10% HCl (Iron-stained calcite?). Set keeps common oreintation throughout (40 deg TCA)	VT	40		35															

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			259.21	260.65	1.44	LST	DOL		Medium grey to dark grey MG-CG sucrosic moderately dolomitized limestone. Redish-brown (hematite?) staining visible along fractures and veins. Darker grey clasts (0.5-1.0 cm) to a large extent overprinted by the MG-CG DOL crystals. Upper and lower contacts are gradational, over 10-15 cm. Light dolomitized wavy patches visible, but without common orientation.					m													
			263.52	264.00	0.48				Light (bleached) and dark grey FG moderately dolomitized limestone. sBX possibly indicated by dark grey clasts included in the lighter grey rock. Upper and lower contacts are gradational over 5 cm and not measureable. Light coloured dolomitized carbonate VT's cross cut the sBX texture. Some of the VT's have rusty-coloured stain. VT's fizz with 10% HCl only when scratched.	VT	45		15													
267.85	273.73	5.88				LST	DOL	cBX	Light (bleached) and dark grey FG-MG pervasively banded moderately DOL LST with stylolites and cBX textures. Rock is moderately hard and fizzes lightly with 10% HCl. Extremely pervasive non-dolomitized calcite veinlets and veins (0.05 cm-2.50 cm thick) are variably white and brown (siderite stained?) and cross cut the banding at a remarkabley consistent orientation (25 deg TCA). The larger veins include clasts of the surrounding dolomitized limestone.	VN	25	140	40	m												x
273.73	286.05	12.32				LST	DOL	cBX	Med-dark grey, FG-MG, variably cBX moderatly dolomitized limestone. Angular, rubbly sections make up ~20% of interval. The interval is med-hard and fizzes lightly-moderately with acid. Some bleached-dark banding visible, but mostly at the upper part of the interval. cBX present throughout but more pervasive at the lower part of the interval. Large (7.0 cm) dolomite vein present at 284.15 m, fizzes with 10% HCl only when first scratched. It is yellow-white in colour and occurs at 85 deg TCA. Qz vein at 279.00 m without orientation, contains black (bitumen?) carbon rich soft substance. Feathery cBX texture seen at 283.80 m.	VN	85			m												x
									286.05 m: E.O.H. - The hole was ended because it was past the targeted depth.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: CO-10-01

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
17.00	19.66	2.66	LST	SID	0.63	24	I076671	61	<0.01	0.54	13	0.18	
19.66	22.10	2.44	LST	SID	2.20	90	I076672	61	<0.01	1.06	14	0.52	
22.10	24.23	2.13	LST	SID	1.22	57	I076673	61	0.02	1.19	15	2.63	
24.23	27.43	3.20	LST	SID	2.75	86	I076674	61	<0.01	0.90	17	0.50	
27.43	28.96	1.53	VOL		0.15	10	I076675	61	0.02	0.54	64	0.21	
28.96	32.00	3.04	VOL		1.00	33	I076676	61	0.03	0.99	87	0.16	
32.00	35.05	3.05	VOL		2.28	75	I076677	61	0.04	2.60	59	0.36	
35.05	37.49	2.44	LST	DOL	1.95	80	I076679	61	0.01	1.00	12	1.07	
37.49	40.54	3.05	LST	DOL	2.95	97	I076680	61	<0.01	0.35	9	0.33	
40.54	43.13	2.59	LST	DOL	1.79	69	I076681	61	0.01	0.37	11	0.99	
43.13	46.59	3.46	LST	RBL	1.45	42	I076682	61	<0.01	2.94	14	1.35	
46.59	48.77	2.18	DOL	SID	2.18	100	I076683	61	0.01	1.13	<5	1.67	
48.77	50.48	1.71	DOL	SID	1.69	99	I076684	61	0.01	3.28	18	1.53	
50.48	53.57	3.09	DOL	SID	3.05	99	I076686	61	<0.01	0.54	32	0.23	
53.57	56.08	2.51	LST	DOL	2.40	96	I076688	61	<0.01	0.16	10	0.26	
56.08	59.13	3.05	LST	DOL	2.99	98	I076689	61	0.01	0.37	15	1.32	
59.13	62.33	3.20	LST	DOL	2.83	88	I076690	61	0.02	0.31	12	1.18	
62.33	65.53	3.20	LST	DOL	3.04	95	I076691	61	<0.01	0.17	<5	0.28	
65.53	68.58	3.05	LST	DOL	3.02	99	I076692	61	<0.01	0.09	<5	1.22	
68.58	71.17	2.59	LST	DOL	2.57	99	I076693	61	<0.01	0.19	<5	0.39	
71.17	74.22	3.05	LST	DOL	2.95	97	I076694	61	<0.01	0.08	<5	0.16	
74.22	77.27	3.05	LST	DOL	2.83	93	I076695	61	0.01	0.33	23	0.28	
77.27	80.31	3.04	LST	DOL	2.70	89	I076696	61	<0.01	0.22	12	0.89	
80.31	82.91	2.60	LST	DOL	2.19	84	I076697	62	0.01	0.25	48	0.48	
82.91	85.45	2.54	LST	DOL	2.29	90	I076698	62	0.01	0.23	33	0.66	Break in Sequence.
85.45	87.17	1.72	LST	DOL	0.91	53	I076705	62	0.01	0.13	22	0.20	
87.17	88.70	1.53	OX		0.35	23	I076707	62	0.04	5.94	605	15.90	
88.70	91.44	2.74	OX		0.25	9	I076708	62	0.05	1.50	216	15.10	
91.44	92.81	1.37	OX		0.22	16	I076709	62	0.04	5.59	1060	26.70	
92.81	94.49	1.68	LST	OX	1.37	82	I076710	62	0.03	0.43	59	1.25	
94.49	96.05	1.56	LST	OX	1.29	83	I076711	62	0.02	0.36	65	0.68	
96.05	97.69	1.64	LST	OX	1.44	88	I076712	62	0.01	0.37	85	1.61	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
97.69	98.34	0.65	LST	OX	0.65	100	I076714	62	0.05	7.00	1080	45.10	
98.34	99.50	1.16	LST	DOL	1.16	100	I076715	62	0.01	0.33	77	1.61	
99.50	102.11	2.61	LST	DOL	1.78	68	I076716	62	<0.01	0.21	19	0.80	
102.11	104.55	2.44	OX	SID	0.30	12	I076717	62	0.11	22.40	2000	53.40	
104.55	105.16	0.61	OX	SID	1.45	238	I076718	62	0.09	14.25	3960	280.00	
105.16	106.20	1.04	OX	SID	0.40	38	I076719	62	0.11	4.95	3290	120.00	
108.20	109.73	1.53	OX	SID	0.10	7	I076720	62	0.05	2.88	6000	56.90	
109.73	111.25	1.52	OX	SID	0.35	23	I076722	62	0.08	5.63	2590	45.80	
111.25	112.78	1.53	LST	DOL	1.23	80	I076723	62	0.01	0.20	83	1.78	
112.78	113.39	0.61	LST	DOL	0.15	25	I076724	62	0.03	0.44	186	3.18	
113.39	114.30	0.91	VOL	OX	0.43	47	I076725	62	0.16	2.56	2130	93.20	
114.30	115.67	1.37	VOL	OX	0.61	45	I076727	62	0.06	1.47	2350	34.40	
115.67	116.74	1.07	VOL	OX	0.15	14	I076728	62	0.13	0.94	1150	24.70	
116.74	117.35	0.61	VOL	OX	0.25	41	I076730	62	0.10	0.98	1440	57.20	
117.35	117.81	0.46	VOL	OX	0.39	85	I076731	62	0.41	2.13	1805	16.35	
117.81	118.63	0.82	OX		0.80	98	I076767	63	0.01	0.37	78	1.60	Break in sequence
118.63	120.62	1.99	OX		0.60	30	I076768	63	0.12	1.75	2290	27.50	
120.62	123.44	2.82	LST	DOL	2.58	91	I076769	64	0.03	0.26	31	0.27	Break in sequence
147.22	149.35	2.13	LST	DOL	1.95	92	I076773	64	<0.01	0.03	13	0.99	
149.35	152.40	3.05	LST	DOL	3.05	100	I076774	64	0.01	0.06	11	0.95	
152.40	155.45	3.05	LST	DOL	3.05	100	I076775	64	<0.01	0.09	11	0.44	
169.50	171.50	2.00	LST	DOL	1.90	95	I076776	64	0.03	0.52	94	3.66	Break in sequence
191.00	193.28	2.28	LST	DOL	2.21	97	I076813	65	<0.01	0.10	7	0.28	
193.28	194.27	0.99	LST	DOL	0.96	97	I076814	65	0.01	0.26	25	0.51	
194.27	196.00	1.73	LST	DOL	1.69	98	I076816	65	<0.01	0.37	9	0.76	
196.00	198.12	2.12	LST	DOL	1.91	90	I076817	65	0.02	0.69	29	1.87	
198.12	199.40	1.28	LST	DOL	1.23	96	I076818	65	0.03	1.01	47	4.27	
199.40	202.00	2.60	LST	DOL	2.57	99	I076819	65	0.01	0.54	14	0.67	
202.00	204.65	2.65	LST	DOL	2.16	82	I076820	65	0.01	0.42	10	1.32	
204.65	207.00	2.35	LST	DOL	2.03	86	I076821	65	0.01	0.48	18	0.72	
207.00	208.00	1.00	LST	DOL	0.29	29	I076822	65	0.02	0.52	16	5.98	
208.00	210.76	2.76	LST	DOL	0.76	28	I076823	65	0.01	0.59	126	15.85	
210.76	212.10	1.34	LST	DOL	1.30	97	I076824	65	<0.01	0.22	<5	0.37	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
212.10	214.00	1.90	LST	DOL	1.90	100	I076825	65	0.01	0.14	6	1.11	
214.00	216.89	2.89	LST	DOL	2.77	96	I076826	65	<0.01	0.09	<5	0.53	
216.89	217.74	0.85	LST	DOL	0.85	100	I076827	65	0.01	0.35	31	0.54	
217.74	219.74	2.00	LST	DOL	1.90	95	I076829	65	<0.01	0.16	<5	0.22	
-	-	-	-	-	-	-	I076678	61	0.01	<0.01	<5	0.09	Blank (BTW)
-	-	-	-	-	-	-	I076685	61	0.24	336.00	4580	0.19	Standard OC-2
50.48	53.57	3.09	DOL	SID	3.05	99	I076687	61	<0.01	0.40	14	0.26	Duplicate
-	-	-	-	-	-	-	I076706	62	0.39	7.05	1	1.38	Standard ROS-1
-	-	-	-	-	-	-	I076713	62	<0.01	<0.01	<5	0.03	Blank (BTW)
-	-	-	-	-	-	-	I076721	62					Blank (BTW)
113.39	114.30	0.91	VOL	OX	0.43	47	I076726	62	0.15	2.61	2220	95.00	Duplicate
-	-	-	-	-	-	-	I076729	62	<0.01	0.01	10	0.09	Blank (BTW)
-	-	-	-	-	-	-	I076732	62	1.37	0.62	81	1.59	Standard ROS-2
-	-	-	-	-	-	-	I076815	65	<0.01	0.02	<5	0.02	Blank (BTW)
216.89	217.74	0.85	LST	DOL	0.85	100	I076828	65	0.01	0.41	44	0.58	Duplicate
-	-	-	-	-	-	-	I076830	65	0.23	335.00	4380	0.14	Standard OC-2

GEOTECHNICAL LOG

HOLE: CO-10-01

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
5.29	5.79	0.50	0.50	100	0.00	0	MS	SW		
5.79	6.86	1.07	0.55	51	0.00	0	MS	SW		
6.86	7.32	0.46	0.21	46	0.00	0	MS	SW		
7.32	8.38	1.06	0.77	73	0.00	0	MS	SW		
8.38	9.14	0.76	0.64	84	0.00	0	MS	SW		
9.14	10.52	1.38	0.75	54	0.00	0	MS	SW		
10.52	13.56	3.04	1.28	42	0.00	0	MS	SW		
13.56	15.24	1.68	1.05	63	0.12	7	MS	SW		
15.24	18.29	3.05	1.35	44	0.15	5	MS	SW		
18.29	19.66	1.37	0.30	22	0.00	0	MS	SW		
19.66	22.10	2.44	2.20	90	0.41	17	MS	SW		
22.10	22.86	0.76	0.70	92	0.00	0	MS	SW		
22.86	23.62	0.76	0.15	20	0.00	0	MS	SW		
23.62	24.23	0.61	0.37	61	0.00	0	MS	SW		
24.23	27.43	3.20	2.75	86	0.50	16	MS	SW		
27.43	28.96	1.53	0.15	10	0.00	0	MS	SW		
28.96	32.00	3.04	1.00	33	0.00	0	MS	SW		
32.00	33.07	1.07	1.02	95	0.00	0	W	MW		
33.07	35.05	1.98	1.26	64	0.13	7	MS	SW		
35.05	37.49	2.44	1.95	80	0.00	0	MS	SW		
37.49	39.62	2.13	2.13	100	0.60	28	W	MW		
39.62	40.54	0.92	0.82	89	0.24	26	W	MW		
40.54	42.21	1.67	1.22	73	0.16	10	W	MW		
42.21	42.97	0.76	0.52	68	0.00	0	W	MW		
42.97	43.13	0.16	0.05	31	0.00	0	W	MW		
43.13	45.72	2.59	0.73	28	0.00	0	W	MW		
45.72	47.09	1.37	1.12	82	0.12	9	W	MW		
47.09	48.77	1.68	1.68	100	1.26	75	W	MW		
48.77	50.29	1.52	1.41	93	1.19	78	W	MW		
50.29	51.82	1.53	1.44	94	0.83	54	W	MW		
51.82	53.34	1.52	1.43	94	0.85	56	W	MW		
53.34	54.86	1.52	1.47	97	0.51	34	MS	FR		
54.86	56.08	1.22	1.05	86	0.00	0	MS	FR		
56.08	57.61	1.53	1.47	96	0.65	42	MS	FR		
57.61	59.13	1.52	1.52	100	0.28	18	MS	FR		
59.13	60.81	1.68	1.43	85	0.14	8	MS	SW		
60.81	62.33	1.52	1.40	92	0.40	26	MS	SW		
62.33	63.86	1.53	1.45	95	0.79	52	MS	FR		
63.86	65.53	1.67	1.59	95	1.17	70	MS	FR		
65.53	67.06	1.53	1.53	100	1.17	76	MS	FR		
67.06	68.58	1.52	1.49	98	1.06	70	MS	FR		
68.58	71.17	2.59	2.57	99	1.28	49	MS	SW		
71.17	74.22	3.05	2.95	97	0.28	9	MS	SW		
74.22	76.20	1.98	1.82	92	1.07	54	MS	FR		
76.20	78.03	1.83	1.77	97	0.94	51	MS	FR		
78.03	78.94	0.91	0.52	57	0.00	0	MS	FR		
78.94	80.31	1.37	1.06	77	0.00	0	W	SW		
80.31	82.91	2.60	2.19	84	0.60	23	W	MW		
82.91	84.58	1.67	1.41	84	0.21	13	W	HW		
84.58	87.17	2.59	1.76	68	1.67	64	W	SW		
87.17	88.70	1.53	0.38	25	0.00	0	EW	EW	7.5YR5/6	OXIDE

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
88.70	91.44	2.74	0.26	9	0.00	0	EW	HW	7.5YR5/6	OXIDE
91.44	92.81	1.37	0.20	15	0.00	0	EW	EW	7.5YR5/6	OXIDE
92.81	94.49	1.68	1.33	79	0.00	0	W	MW		
94.49	97.54	3.05	2.10	69	0.62	20	W	MW		
97.54	97.69	0.15	0.12	80	0.00	0	W	EW		
97.69	98.76	1.07	1.07	100	0.10	9	EW	EW	7.5YR4/4	OXIDE
98.76	99.06	0.30	0.30	100	0.30	100	MS	SW		
99.06	102.11	3.05	2.20	72	1.20	39	MS	SW		
102.11	104.55	2.44	0.37	15	0.00	0	W	EW	10YR4/2	OXIDE
104.55	105.16	0.61	0.42	69	0.00	0	W	EW	7.5YR4/4	OXIDE
105.16	108.20	3.04	0.36	12	0.00	0	W	EW	7.5YR4/4	OXIDE
108.20	109.73	1.53	0.08	5	0.00	0	EW	EW	7.5YR4/4	OXIDE
109.73	111.25	1.52	0.30	20	0.00	0	EW	MW		
111.25	111.71	0.46	0.34	74	0.16	35	MS	SW		
111.71	112.78	1.07	0.84	79	0.47	44	MS	SW		
112.78	113.39	0.61	0.14	23	0.00	0	W	MW		
113.39	114.30	0.91	0.39	43	0.00	0	EW	EW	7.5YR4/4	OXIDE
114.30	115.67	1.37	0.54	39	0.00	0	EW	EW	7.5YR4/4	OXIDE
115.67	116.74	1.07	0.47	44	0.00	0	EW	EW	7.5YR4/4	OXIDE
116.74	117.35	0.61	0.25	41	0.00	0	EW	EW	7.5YR4/4	OXIDE
117.35	117.81	0.46	0.35	76	0.00	0	EW	EW	7.5YR4/4	OXIDE
117.81	118.57	0.76	0.73	96	0.47	62	MS	FR		
118.57	120.41	1.84	0.48	26	0.00	0	W	MW	7.5YR 6/4	
120.41	121.01	0.60	0.54	90	0.35	58	EW	SW	7.5YR 6/4	
121.01	123.44	2.43	2.12	87	1.58	65	MS	SW		
123.44	124.36	0.92	0.82	89	0.33	36	MS	SW		
124.36	124.97	0.61	0.58	95	0.44	72	MS	SW		
124.97	126.19	1.22	0.37	30	0.31	25	MS	SW		
126.19	127.71	1.52	1.41	93	0.75	49	MS	SW		
127.71	129.54	1.83	1.83	100	0.80	44	MS	SW		
129.54	131.06	1.52	1.30	86	0.17	11	MS	SW		
131.06	132.59	1.53	1.49	97	1.20	78	MS	SW		
132.59	134.11	1.52	1.41	93	0.89	59	MS	SW		
134.11	135.64	1.53	1.51	99	0.56	37	MS	SW		
135.64	136.25	0.61	0.50	82	0.27	44	MS	SW		
136.25	137.46	1.21	1.05	87	0.18	15	MS	SW		
137.46	139.29	1.83	1.55	85	1.29	70	MS	SW		
139.29	141.12	1.83	1.74	95	0.60	33	MS	SW		
141.12	141.73	0.61	0.61	100	0.54	89	MS	SW		
141.73	142.95	1.22	1.16	95	0.25	20	MS	SW		
142.95	144.17	1.22	1.22	100	0.40	33	MS	SW		
144.17	147.22	3.05	3.03	99	1.78	58	MS	SW		
147.22	149.35	2.13	1.92	90	1.12	53	MS	SW		
149.35	152.40	3.05	3.05	100	2.09	69	MS	SW		
152.40	155.45	3.05	3.05	100	2.20	72	MS	SW		
155.45	158.50	3.05	3.05	100	2.12	70	MS	SW		
158.50	161.54	3.04	2.95	97	1.66	55	MS	SW		
161.54	164.59	3.05	3.05	100	1.10	36	MS	SW		
164.59	167.64	3.05	3.05	100	2.15	70	MS	SW		
167.64	170.69	3.05	3.05	100	2.05	67	MS	SW		
170.69	173.74	3.05	2.85	93	1.55	51	MS	SW		
173.74	176.78	3.04	3.02	99	2.94	97	MS	SW		
176.78	179.83	3.05	3.03	99	2.62	86	MS	SW		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
179.83	182.88	3.05	3.04	100	2.77	91	MS	SW		
182.88	185.93	3.05	3.04	100	2.31	76	MS	SW		
185.93	188.98	3.05	3.05	100	2.37	78	MS	SW		
188.98	192.02	3.04	3.00	99	2.41	79	MS	SW		
192.02	195.07	3.05	2.91	95	1.91	63	MS	SW		
195.07	198.12	3.05	2.77	91	1.94	64	MS	SW		
198.12	200.71	2.59	2.59	100	1.82	70	MS	SW		
200.71	203.91	3.20	2.30	72	0.67	21	W	HW		
203.91	206.96	3.05	2.87	94	0.80	26	W	SW		
206.96	210.56	3.60	0.65	18	0.10	3	W	SW		
210.56	213.36	2.80	2.80	100	1.62	58	W	SW		
213.36	216.41	3.05	3.00	98	1.47	48	W	FR		
216.41	219.46	3.05	2.97	97	1.10	36	MS	FR		
219.46	222.50	3.04	2.95	97	0.74	24	W	FR		
222.50	225.55	3.05	2.93	96	1.32	43	MS	FR		
225.55	228.60	3.05	2.98	98	1.19	39	W	FR		
228.60	229.82	1.22	1.20	98	0.80	66	MS	FR		
229.82	232.87	3.05	2.90	95	0.80	26	MS	FR		
232.87	236.07	3.20	3.05	95	1.02	32	MS	FR		
236.07	239.12	3.05	3.05	100	1.29	42	MS	FR		
239.12	242.16	3.04	2.85	94	1.32	43	MS	FR		
242.16	245.36	3.20	3.11	97	1.74	54	MS	FR		
245.36	248.41	3.05	2.80	92	0.67	22	MS	FR		
248.41	251.46	3.05	2.95	97	2.06	68	MS	FR		
251.46	254.51	3.05	3.00	98	1.36	45	MS	FR		
254.51	255.57	1.06	1.03	97	0.11	10	W	FR		
255.57	257.56	1.99	1.70	85	0.00	0	W	FR		
257.56	260.60	3.04	3.04	100	0.92	30	W	FR		
260.60	262.43	1.83	1.72	94	0.85	46	W	FR		
262.43	265.18	2.75	2.51	91	1.72	63	W	FR		
265.18	267.00	1.82	1.75	96	0.68	37	W	FR		
267.00	269.75	2.75	2.50	91	0.86	31	W	FR		
269.75	270.97	1.22	1.22	100	0.55	45	W	FR		
270.97	274.17	3.20	2.76	86	0.90	28	W	FR		
274.17	276.61	2.44	2.33	95	0.11	5	W	FR		
276.61	279.81	3.20	2.49	78	0.53	17	W	SW		
279.81	281.64	1.83	1.83	100	0.28	15	W	FR		
281.64	283.46	1.82	1.73	95	0.20	11	W	FR		
283.46	285.14	1.68	1.62	96	0.65	39	W	FR		
285.14	285.75	0.61	0.47	77	0.00	0	W	FR		
285.75	286.05	0.30	0.30	100	0.00	0	W	FR		
286.05	E.O.H.									

MAGNETIC SUSCEPTIBILITY LOG

HOLE: CO-10-01

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	OVB		N/A	
2.00	OVB		N/A	
3.00	OVB		N/A	
4.00	OVB		N/A	
5.00	OVB		N/A	
6.00	LST	SID	0.00	
7.00	LST	SID	0.00	
8.00	LST	SID	0.00	
9.00	LST	SID	0.00	
10.00	LST	SID	0.00	
11.00	LST	SID	0.00	
12.00	LST	SID	0.18	
13.00	LST	SID	0.36	
14.00	LST	SID	0.00	
15.00	LST	SID	0.08	
16.00	LST	SID	0.00	
17.00	LST	SID	0.73	
18.00	LST	SID	0.02	
19.00	LST	SID	0.18	
20.00	LST	SID	0.41	
21.00	LST	SID	0.00	
22.00	LST	SID	0.36	
23.00	LST	SID	0.34	
24.00	LST	SID	0.16	
25.00	LST	SID	0.45	
26.00	LST	SID	0.35	
27.00	LST	SID	0.41	
28.00	LST	SID	0.00	
29.00	VOL		0.14	
30.00	VOL		0.00	
31.00	VOL		0.06	
32.00	VOL		0.00	
33.00	VOL		0.38	
34.00	VOL		0.02	
35.00	VOL		0.16	
36.00	LST	DOL	0.00	
37.00	LST	DOL	0.61	
38.00	LST	DOL	0.26	
39.00	LST	DOL	0.34	
40.00	LST	DOL	0.00	
41.00	LST	DOL	0.00	
42.00	LST	DOL	0.00	
43.00	LST	RBL	0.00	
44.00	LST	RBL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	LST	RBL	0.69	
46.00	LST	RBL	0.00	
47.00	DOL	SID	0.00	
48.00	DOL	SID	0.24	
49.00	DOL	SID	0.28	
50.00	DOL	SID	2.02	
51.00	DOL	SID	0.00	
52.00	DOL	SID	0.16	
53.00	DOL	SID	0.00	
54.00	LST	DOL	0.00	
55.00	LST	DOL	0.00	
56.00	LST	DOL	0.00	
57.00	LST	DOL	0.00	
58.00	LST	DOL	0.00	
59.00	LST	DOL	0.00	
60.00	LST	DOL	0.00	
61.00	LST	DOL	0.00	
62.00	LST	DOL	0.00	
63.00	LST	DOL	1.43	
64.00	LST	DOL	0.04	
65.00	LST	DOL	1.35	
66.00	LST	DOL	0.06	
67.00	LST	DOL	0.00	
68.00	LST	DOL	0.00	
69.00	LST	DOL	1.25	
70.00	LST	DOL	0.08	
71.00	LST	DOL	0.00	
72.00	LST	DOL	0.12	
73.00	LST	DOL	0.00	
74.00	LST	DOL	0.00	
75.00	LST	DOL	0.00	
76.00	LST	DOL	0.00	
77.00	LST	DOL	0.06	
78.00	LST	DOL	0.00	
79.00	LST	DOL	0.00	
80.00	LST	DOL	0.00	
81.00	LST	DOL	0.28	
82.00	LST	DOL	0.00	
83.00	LST	DOL	0.00	
84.00	LST	DOL	0.00	
85.00	LST	DOL	1.02	
86.00	LST	DOL	3.11	
87.00	LST	DOL	2.72	
88.00	OX		2.07	
89.00	OX		8.05	
90.00	OX		1.98	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	OX		0.00	
92.00	OX		1.37	
93.00	LST	OX	0.28	
94.00	LST	OX	3.15	
95.00	LST	OX	4.55	
96.00	LST	OX	3.36	
97.00	LST	OX	2.33	
98.00	OX		1.64	
99.00	LST	DOL	6.90	
100.00	LST	DOL	6.80	
101.00	LST	DOL	5.26	
102.00	LST	DOL	6.10	
103.00	OX	SID	3.73	
104.00	OX	SID	2.25	
105.00	OX	SID	1.94	
106.00	OX	SID	5.14	
107.00	OX	SID	3.97	
108.00	OX	SID	0.00	
109.00	OX	SID	0.24	
110.00	OX	SID	3.91	
111.00	OX	SID	2.93	
112.00	LST	DOL	3.38	
113.00	LST	DOL	5.37	
114.00	VOL	OX	5.53	
115.00	VOL	OX	5.43	
116.00	VOL	OX	3.52	
117.00	VOL	OX	2.35	
118.00	LST	DOL	6.17	
119.00	OX		1.02	
120.00	OX		0.18	
121.00	LST	DOL	0.43	
122.00	LST	DOL	0.96	
123.00	LST	DOL	0.41	
124.00	LST	DOL	1.33	
125.00	LST	DOL	0.12	
126.00	LST	DOL	0.00	
127.00	LST	DOL	0.00	
128.00	LST	DOL	0.00	
129.00	LST	DOL	0.28	
130.00	LST	DOL	1.88	
131.00	LST	DOL	1.18	
132.00	LST	DOL	0.00	
133.00	LST	DOL	0.30	
134.00	LST	DOL	1.45	
135.00	LST	DOL	0.00	
136.00	LST	DOL	0.59	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	LST	DOL	0.86	
138.00	LST	DOL	0.12	
139.00	LST	DOL	0.00	
140.00	LST	DOL	0.00	
141.00	LST	DOL	0.43	
142.00	LST	DOL	0.45	
143.00	LST	DOL	0.51	
144.00	LST	DOL	0.36	
145.00	LST	DOL	1.27	
146.00	LST	DOL	1.39	
147.00	LST	DOL	0.41	
148.00	LST	DOL	0.61	
149.00	LST	DOL	1.25	
150.00	LST	DOL	0.22	
151.00	LST	DOL	4.46	
152.00	LST	DOL	0.77	
153.00	LST	DOL	1.14	
154.00	LST	DOL	0.00	
155.00	LST	DOL	0.67	
156.00	LST	DOL	1.84	
157.00	LST	DOL	1.94	
158.00	LST	DOL	0.00	
159.00	LST	DOL	0.10	
160.00	LST	DOL	0.45	
161.00	LST	DOL	1.53	
162.00	LST	DOL	0.79	
163.00	LST	DOL	0.41	
164.00	LST	DOL	0.94	
165.00	LST	DOL	1.06	
166.00	LST	DOL	0.65	
167.00	LST	DOL	0.49	
168.00	LST	DOL	0.43	
169.00	LST	DOL	0.34	
170.00	LST	DOL	1.45	
171.00	LST	DOL	0.10	
172.00	LST	DOL	0.00	
173.00	LST	DOL	2.29	
174.00	LST	DOL	0.00	
175.00	LST	DOL	0.00	
176.00	LST	DOL	0.00	
177.00	LST	DOL	0.12	
178.00	LST	DOL	0.34	
179.00	LST	DOL	1.37	
180.00	LST	DOL	0.00	
181.00	LST	DOL	0.00	
182.00	LST	DOL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00	LST	DOL	0.04	
184.00	LST	DOL	0.02	
185.00	LST	DOL	0.67	
186.00	LST	DOL	0.06	
187.00	LST	DOL	0.75	
188.00	LST	DOL	0.00	
189.00	LST	DOL	1.37	
190.00	LST	DOL	0.00	
191.00	LST	DOL	0.00	
192.00	LST	DOL	0.00	
193.00	LST	DOL	0.06	
194.00	LST	DOL	0.32	
195.00	LST	DOL	0.00	
196.00	LST	DOL	0.00	
197.00	LST	DOL	0.00	
198.00	LST	DOL	0.88	
199.00	LST	DOL	0.12	
200.00	LST	DOL	0.00	
201.00	LST	DOL	0.00	
202.00	LST	DOL	0.51	
203.00	LST	DOL	0.45	
204.00	LST	DOL	0.00	
205.00	LST	DOL	0.00	
206.00	LST	DOL	0.00	
207.00	LST	DOL	0.00	
208.00	LST	DOL	0.06	
209.00	LST	DOL	0.04	
210.00	LST	DOL	0.32	
211.00	LST	DOL	0.00	
212.00	LST	DOL	0.77	
213.00	LST	DOL	0.00	
214.00	LST	DOL	0.26	
215.00	LST	DOL	0.88	
216.00	LST	DOL	0.18	
217.00	LST	DOL	0.00	
218.00	LST	DOL	0.88	
219.00	LST	DOL	0.57	
220.00	LST	DOL	0.00	
221.00	LST	DOL	0.16	
222.00	LST	DOL	0.00	
223.00	LST	DOL	0.02	
224.00	LST	DOL	0.43	
225.00	LST	DOL	0.00	
226.00	LST	DOL	0.06	
227.00	LST	DOL	0.14	
228.00	LST	DOL	0.38	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
229.00	LST	DOL	0.18	
230.00	LST	DOL	0.00	
231.00	LST	DOL	0.22	
232.00	LST	DOL	0.75	
233.00	LST	DOL	0.00	
234.00	LST	DOL	0.00	
235.00	LST	DOL	0.43	
236.00	LST	DOL	0.00	
237.00	LST	DOL	0.00	
238.00	LST	DOL	0.00	
239.00	LST	DOL	0.10	
240.00	LST	DOL	0.02	
241.00	LST	DOL	0.00	
242.00	LST	DOL	0.00	
243.00	LST	DOL	0.02	
244.00	LST	DOL	0.12	
245.00	LST	DOL	1.20	
246.00	LST	DOL	0.18	
247.00	LST	DOL	0.00	
248.00	LST	DOL	0.06	
249.00	LST	DOL	0.00	
250.00	LST	DOL	0.63	
251.00	LST	DOL	1.51	
252.00	LST	DOL	1.84	
253.00	LST	DOL	12.10	
254.00	LST	DOL	3.62	
255.00	LST	DOL	6.12	
256.00	LST	DOL	9.77	
257.00	LST	DOL	6.15	
258.00	LST	DOL	2.05	
259.00	LST	DOL	8.89	
260.00	LST	DOL	3.52	
261.00	LST	DOL	2.56	
262.00	LST	DOL	3.25	
263.00	LST	DOL	1.72	
264.00	LST	DOL	4.98	
265.00	LST	DOL	9.61	
266.00	LST	DOL	1.57	
267.00	LST	DOL	0.18	
268.00	LST	DOL	0.20	
269.00	LST	DOL	2.05	
270.00	LST	DOL	1.98	
271.00	LST	DOL	0.00	
272.00	LST	DOL	2.66	
273.00	LST	DOL	7.83	
274.00	LST	DOL	3.42	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
275.00	LST	DOL	3.05	
276.00	LST	DOL	7.11	
277.00	LST	DOL	8.61	
278.00	LST	DOL	7.21	
279.00	LST	DOL	2.70	
280.00	LST	DOL	9.73	
281.00	LST	DOL	11.70	
282.00	LST	DOL	4.18	
283.00	LST	DOL	4.50	
284.00	LST	DOL	11.50	
285.00	LST	DOL	3.99	
286.00	LST	DOL	2.29	

DENSITY LOG

HOLE: CO-10-01

Depth (m)	Unit	Modifier	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
			Py %	As %	Other	%							
123.25	LST	DOL					CBx	15.0	4.2	570.5	366.0	2.80	2.79
133.00	LST	DOL						14.9	4.2	543.2	339.2	2.68	2.66
250.00	LST	DOL					CBx	15.0	4.2	586.0	377.5	2.88	2.81
263.60	LST	DOL					SBx	14.4	4.2	554.9	357.3	2.84	2.81
125.04	LST							14.5	4.2	554.6	355.2	2.82	2.78
144.74	LST	DOL						14.8	4.2	564.7	364.5	2.81	2.82
165.42	LST	DOL					BX	14.7	4.2	564.4	364.5	2.83	2.82
186.37	DOL							14.4	4.2	547.6	350.9	2.80	2.78
233.49	LST	DOL						14.8	4.2	578.0	373.5	2.87	2.83
173.00	LST	DOL						14.9	4.2	565.0	362.8	2.79	2.79
177.00	LST	DOL						14.9	4.2	566.9	367.2	2.80	2.84

BOX LOG

HOLE: CO-10-01

BOX	FROM (m)	TO (m)
1	5.29	10.67
2	10.67	19.66
3	19.66	24.98
4	24.98	33.20
5	33.20	37.79
6	37.79	42.92
7	42.92	49.15
8	49.15	54.61
9	54.61	59.23
10	59.23	64.25
11	64.25	69.55
12	69.55	74.90
13	74.90	80.31
14	80.31	85.45
15	85.45	95.53
16	95.53	99.06
17	99.06	111.50
18	111.50	118.90
19	118.90	125.29
20	125.29	131.06
21	131.06	135.64
22	135.64	141.24
23	141.24	145.77
24	145.77	151.50
25	151.50	157.00
26	157.00	162.35
27	162.35	167.89
28	167.89	173.74
29	173.74	179.21
30	179.21	184.74
31	184.74	190.08
32	190.08	195.48
33	195.48	200.58
34	200.58	205.87
35	205.87	213.45
36	213.45	218.47
37	218.47	223.93
38	223.93	229.23
39	229.23	234.23
40	234.23	239.46
41	239.46	244.72
42	244.72	250.27
43	250.27	255.36
44	255.36	259.83
45	259.83	264.79
46	264.79	269.41
47	269.41	274.17
48	274.17	278.00
49	278.00	282.70
50	282.70	286.05
286.05 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
		527581	7120279	1465	307.84

ZONE: Condor

SECTION: C

HOLE: CO-10-02

CLAIM:

Contractor: Superior

Drill: 1

Core size: BTW

Casing depth: 12.19 m out

Drilling dates: August 5-11, 2010

Geology logged by: K. Wynne, H. Friday

TARGET: Z-TEM anomaly

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-65.0	compass	188.98	231	-62.2	Ranger
82.30	230	-62.7	Ranger	234.70	233	-62.1	Ranger
112.78	230	-62.8	Ranger	280.42	235	-62.5	Ranger
143.26	228	-62.5	Ranger	307.83	236	-62.3	Ranger

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	4.49	4.49	OVB	
4.49	86.22	81.73	LST	Fossiliferous
86.22	92.20	5.98	VOL	intense SER, weak OX.
92.20	94.13	1.93	SLT	vFG, dark grey to black.
94.13	96.01	1.88	VOL	intense SER, moderate OX.
96.01	96.32	0.31	OX	Grit.
96.32	148.63	52.31	LST	moderate DOL and SIL, cBX
148.63	307.84	159.21	LST	intense DOL, moderate SIL, sBX.

SAMPLES

Numbers: I076843-I076860, I076867-I076886

Total: 38

Batch: 66, 67

Date Sent: August 10, 13 2010

Certificate: VA10113693, VA10114593

COMMENTS

The hole was shut down because it was past the favourable horizon.

GEOLOGY LOG

HOLE: CO-10-02

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	Photo
0.00	4.49	4.49				OVB			Overburden - No recovery																		
4.49	86.22	81.73				LST	FOS		Medium to dark grey, FG to MG, bedded, FOS LST with interfingering segments of non-fossiliferous primarily vFG silty LST. Numerous Ca VT and VN run throughout interval. Trace FG to MG bright Py is disseminated throughout and is more common in the silty LST intervals, overprinting Ca. Overall the interval fizzes strongly with 10% HCl. Foliation angle is 70-90 deg TCA. Fossils include brizoans and crinoids.	FO	80									t							x
			5.05	8.22	3.17	LST	CLY		Medium grey, FG CLY coating on FX of the LST. Weak to strong coating intermittently throughout section.																		
			9.38	16.10	6.72	LST			Series of intermixed Ca and Qz VT with approximately 1cm Qz blebs surrounded by a FG Ca "matrix". VT are 0.5 to 10 cm thick. A dark vFG thin layer coating contacts (silt?). 70-90 deg. TCA, 0 5 deg. TFA.	VT	80	5	3														
			26.72	30.46	3.74	LST			Dark grey to black, vFG silty LST with sections of faint bedding. Ca stringers, with no preferred orientation, are present with FG, bright Py overprinting them. FG, medium grey clay coating seen at last 30 cm of interval. Interval fizzes strongly with 10% HCl	FO	70									w							
			36.14			LST			Ca VT. 1cm thick.	VT	55																
			38.86	42.72	3.86	LST			Dark grey to black, vFG, FOS, silty LST with sections of faint bedding. Fossils present include crinoids and brizoans. A bryzoan "deathbed" at 40.65 - 40.80 m. Small sections (1-5 cm) of darker silty LST are present with 5% extremely broken up fossil fragments. FG, bright, trace disseminated Py seen primarily in the darker regions overprinting Ca. Gradational uCN and lCN.	FO	80									t							x
			44.20	45.55	1.35	LST	FOS		FG, light to dark grey, non laminated FOS LST. Strongly disrupted/jumbled up sections (mild BX?) that have been weakly silicified. Qz VT present with Ca rimming and Ca nodules in the VT.	VT	50		4					SIL	w								

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			51.11	54.70	3.59	LST			Medium to dark grey, vFG silty LST with segments of faint bedding. Small Ca stringers, with no preferred orientation sparse through interval. First half of interval has "camo" texture (bioturbation?). Trace, vFG to FG, bright Py overprinting Ca in darker grey-black regions.											t							
			60.40	61.19	0.79	QZ	VN		Large Qz VN without preferred orientation with non-laminated, broken up LST segments. Ca rimming and small nodules in Qz VN. vFG, dark grey to black stringers throughout (silt?). Silvery-black coating on FX surfaces (BIT?). Trace Py in the dark grey-black stringers. Gradational contacts.	VN	n/a									t							
			61.40	63.18	1.78	QZ	VN		Large Qz/Ca VN without preferred orientation intermixed with non-laminated, broken up LST segments. Segment from 61.40-62.22 m has a brown-red-orange alteration (OX? SID? HEM?) that is FG to MG and non-uniform colour. Vugs are present that have crystalline Ca rimming them. Vugs approximately 2 mm to 2 cm in length and 2 mm to 1 cm deep. Uneven/gradational contacts.	VN	n/a																	x
			64.10	64.27	0.17	LST	FOS		A segment of MG to CG packstone. Medium grey in colour with small Ca stringers (with no preferred orientation) throughout. Fossil fragments range from 1-3 mm. uCN 40 deg TCA, lCN gradational.	uCN	40																	x
			68.82	69.63	0.81	LST			A series of Ca VT and stringers from 1 mm to 7 mm thick. Bedding is 70-85 deg TCA.	FO	75																	x
										VT	50	100	7														
										VT	75	0	7														
			72.90	86.22	13.32	LST			Dark grey to black, vFG silty LST with sections of laminated FOS LST. Ca VT, stringers and blebs pervasive through interval. Trace, vFG, dull to bright Py overprinting Ca. Some of the VT have an orange alteration (OX?) Vugs present sparsely and are rimmed with a non-calcareous brown material. Gradational contacts.	FO	75					w				t							
										VT	45	40	6														
										VT	55	180	10														
										VT	30	160	2														
										VT	75	0	2														

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
86.22	92.20	5.98				VOL	SER		Light grey to light green, intensely bleached SER altered VOL. First 2 m of interval has interfingering of LST with Ca stringers with no preferred orientation. Interval is weakly to strongly OX, more OX closer to end of interval. Fo is 65 deg. TCA.	FO	65					w		SER	i								x
			87.84	88.17	0.33	VOL	mBX		A segment of mBX VOL and LST fragments. Clasts range in size from 2 mm to 7 cm and are supported by a weakly calcareous OX matrix.																		x
92.20	94.13	1.93				LST	DOL		vFG, dark grey to black fine grained moderately dolomitized limestone. Fizzes very weakly with 10% HCl when scratched. Faint laminations with an orientation of 50 deg TCA. Slightly OX at end of interval. Vugs present with light yellow/orange rimming. Gradational oxidized lCN.	FO	50			m														
94.13	96.01	1.88				VOL	SER		Medium green-grey, FG to MG SER altered VOL. Weakly to strongly OX. OX stringers with no preferred orientation throughout competent rock. FO is 45 deg TCA. Gradational lower contact into OX	lCN						m											
96.01	96.32	0.31				OX	GRT		Dark brown grey to orange, MG OX GRT. Segmented colouring (grey section and an orange-ish section)							i										x
96.32	148.63	52.31				LST	DOL	cBX	Light to dark grey to buff, FG to MG, cBX, moderately to intensely dolomitized LST. Episodic dark to light grey to buff dolomitized LST consisting of dark grey cBX seams being overprinted by dark red to purple calcareous stringers/VTs (SID?) pervasively throughout the interval. These red/purple VTs may or may not be foliated. Intervals of moderately to intensely SIL altered LST, where QZ VTs are present. Clasts of lime-mud (~2mm to 7cm) which have been silicified and others which have not. Interval of tBX present. Episodic rubbly sections which appear to be more highly weathered than the more competent rock. Disseminated vuggy textures pervasive throughout. Some fracture faces, see weathering into clay.					m				SIL	m								

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							PHOTO
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			96.32	98.08	1.76	LST	OX		Medium grey to orange-brown weakly OX, moderately dolomitized LST. Weakly to moderately OX with segments of rubble. ~1-2cm clasts.					m		f												
			98.08	103.14	5.06	LST	DOL		Dark grey to buff, FG to MG, cBX, moderately dolomitized and weakly silicified LST. Qz VTs and blebs disseminated throughout. cBX is being overprinted by ~0.5 mm oxidized stringers/VTs. Both calcareous oxidized stringers and VTs are being overprinted by later Qz VTs and blebs.					m				SIL	w									
									~0.2-0.7 mm Qz VTs varying from 25 to 40 degrees TCA, cross cutting both cBX and oxidized calcareous VTs.	VT	30																
			103.14	104.46	1.32	LST	DOL		Dark grey to buff, intensely silicified and moderately dolomitized LST, with FG Qz crystals disseminated throughout. ~ 0.5-1 mm Qz crystals supported within a white FG matrix that does not fizz with 10% HCl. Dark grey bands (some may be oxidized) (~0.5 mm-1 mm) found pervasively throughout interval.					m				SIL	i									x
									~2 mm Qz VT enclosed by oxidized seams	VT	55																
			104.84	105.61	0.77				Dark grey to white FG to MG, banded, moderately dolomitized, intensely silicified LST. Disseminated remnant interclasts of DOL are supported in dark grey, FG silicified matrix. DOL and Qz banding intermittent throughout interval.					m				SIL	i									x
									Qz VTs ~5-7 mm cross cutting FG DOL interclast, dark grey silicified matrix.	VT	90																
									~2 mm DOL VTs banded intermittently with Qz VTs	VT	90																
									Dark grey VTs ~5 mm which may exhibit oxide staining, crosscut both Qz and DOL VTs and show no preferred orientation.	VT																
			109.17	109.94	0.77	LST	DOL	tBX	Dark rusty-red, intensely calcareous seams ~5 mm to 1 cm wide, occur where calcite crystals may still be present within the seams. Irregular buff DOL clasts ~5 mm to 2 cm. Relict dark to medium grey cBX is overprinted by tBX. Vuggy textures found pervasively throughout unit and are calcite filled. Wider seams tend to have calcite centres, with its margins rimmed with a dark red to deep purple colour (SID? HEM?).					m			s										x
									~5 mm vuggy calcareous dark rusty red VT. Cross cutting relict cBX.	VT	25																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									~2 mm calcareous dark rusty red VT cross cutting relict cBX.	VT	35																
			115.82	117.35	1.53				No recovery between this interval, drillers said "sof interval, got no recovery".																		
			125.05	125.14	0.09	OX	LST		Dark to medium brown gritty to rubbly OX that fizz weakly with 10% HCl.																		
									~0.5 mm oxide stained, intensely calcareous, FO with variable spacing. FO is most obvious in buff, moderately dolomitized unit, where FO cross cuts relict cBX.	FO	50		110			m												
			133.45	133.55	0.10	LST	DOL		Highly weathered extremely soft unit showing flaky white to beige mineralization (mica?).																		
			134.46	137.60	3.14	LST	DOL	RBL	Buff to orange-brown and dark brown very broken moderately to intensely DOL LST with Ca VT and rubble surfaces altered to a dark brown colour from moderate SID alteration and orange from weak smithsonite mineralization. Alteration increases after 135.70 m, proximal to large DOL veins <1 m wide which BX wall rock. lCN is gradational, VT have moderate SID for ~1 m past contact.						s	t		m							Sm	w		
									1 cm thick SID VT set, calcareous.	VT	10																
			137.60	144.96	7.36	LST	DOL		Buff FG to MG intense DOL LST with irregular SID altered Ca VT. Broken zones < 20 cm with sugary texture on surfaces.					i													
			144.96	147.83	2.87	LST	DOL		Light grey strongly DOL altered LST, FG, as very broken core. Zone < 20 cm of medium grey clay to grit, predominantly silt with orange-brown thin non-calcareous patches.					s														
			147.83	148.63	0.80	DOL	VN		White CG DOL VT with FG orange and dark brown smithsonite and siderite.								s	SMI	s							
									Sharp lCN with intense DOL LST.	lCN	40			i													
148.63	307.84	159.21			0.00	LST	DOL	sBX	Buff to light grey, sBX LST as overprinted light grey to buff clasts and buff to white matrix, interlayered grey and buff layers, or cryptic grey, white, or buff patches. The clasts are strongly DOL LST, while the matrix is MG DOL with some Ca. Strong to intense SIL alteration locally. Non- brecciated zones are increasingly frequent down interval.					s				SIL	m										
			153.07	155.08	2.01	LST	DOL	sBX	Buff to light grey overprinted sBX strongly DOL LST. Pink alteration is found on some broken surfaces (HEM?).									HEM	f								
			160.13	160.34	0.21	LST	DOL	RBL	Very broken with yellow silt coating FX, and yellow alteration of DOL on FX surfaces.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			161.07	165.70	4.63	LST	DOL	sBX	Buff clasts with white DOL matrix. Clasts are overprinted and strongly DOL altered. Bitumen occurs as FG black infills in buff DOL LST and as stringers. The last 50 cm is very broken.																			
			165.70	167.00	1.30	LST	DOL	sBX	White DOL clasts in buff strongly DOL LST matrix with bituminous infill. Interval is very broken. Zones of unbrecciated DOL LST and zones <10 cm of strong SIL medium grey FG LST occur.																		
			166.32	166.45	0.13	LST	DOL	RBL	Orange brown clay to silt with sBX LST clasts <2 cm wide. FLT?					t												
			168.55	168.80	0.25	VOL			Orange brown FG soft non-calcareous interval with sharp uCN with sBX DOL LST. Light yellow with orange-brown layers weakly defining FO.	FO	65																
			168.80	169.00					Light grey moderately DOL LST strongly altered to dark purple silt and white sugary textured grit.																		
			169.80	171.56	1.76	LST	DOL		Medium grey to buff moderately DOL LST with black bituminous infills and seams and medium grey to medium buff calcareous subrounded clasts. Trace disseminated red-brown OX altered mineralized spots. Soft, becoming harder toward gradational contacts with medium grey intensely SIL sBX LST with Ca/DOL matrix. Buff zones have DOL Ca and Qz blebs and VT locally overprinting. Sharp uCN and lCN							t											x
									Sharp uCN and lCN.	uCN	35																
			171.65	181.09	9.44	LST	DOL	sBX	Light grey FG to MG intensely DOL recrystallized sBX LST. sBX texture locally includes overprinted styolites rimming DOL altered zones. Interval remains weakly calcareous, not entirely altered to DOL . Zones of strong and intense SIL through interval overprint various sBX textures.					i														
			181.09	209.30	28.21	LST	DOL		Light buff intensely DOL LST with local weak sBX and moderate to strongly cBX by thin Ca VT. Dark grey intervals of intensely SIL LST < 1 m long, often mBX by DOL VT.					i														
			181.09	184.49	3.40	LST	RBL		Very broken rubbly zone.																		
			184.49	185.37	0.88	LST	SIL		Buff and light grey moderate-strongly DOL LST with intense SIL alteration with SIL nodules < 0.2 cm which merge into pervasive masses. Strong cBX texture of the entire interval.					m				SIL	s									
			191.53	191.91	0.38	LST			Buff CG DOL that has been cBX to mBX by Ca VT, with local strong SIL alteration with Qz blebs throughout. The interval is more calcareous then the surrounding rock. Both upper and lower contacts are sharp.	uCN	30																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
										ICN	40																
			200.21	200.66	0.45	LST	SIL		Medium and dark grey intensely SIL altered LST that has been sBX by white FG-MG DOL. The first 20 cm have layering of grey and white that weakly define the FO.	FO	70																
			209.30	210.37	1.07	LST	DOL		Buff and dark grey interlayered intensely DOL LST in discontinuous layers (sBX?). Starts predominantly as buff coloured, then becomes predominantly grey after 209.80 m. Layering defines weak FO, with CN following FO.	FO	70																
			210.37	225.06	14.69	LST	SIL		Medium grey moderate-strongly SIL, locally intensely SIL altered LST. The interval is locally mBX by DOL VTs with an overprinted appearance from moderate DOL alteration. Zones of buff coloured strongly DOL, moderately SIL altered LST have DOL infilling sBX textures.																		
			217.02	217.34	0.32	LST	RBL		Buff weakly DOL altered LST, with bituminous infill and large silicified clasts, some of which are mBX by DOL VT. The interval is very broken.																		
			225.06	231.96	6.90	LST	DOL	sBX	Medium grey to buff moderate-strongly DOL alterec LST with weak sBX textures and bleaching to buff colour around Ca VT. sBX textures are very overprinted and cryptic looking. An interval of largely broken core with rubbly zones ~ 50 cm long occurs within. Silicified zones < 35 cm also occur throughout.					ms														
			227.14	227.49	0.35				Orange white and medium to dark grey tBX with Qz and DOL clasts, orange and white calcareous matrix, SIL altered portion through center, and black bituminous layers focused in the last 10 cm.									SIL	w								x
			231.96	243.30	11.34	LST	DOL		Buff strongly DOL altered LST with small grey patchy zones with cryptic contacts with DOL altered LST (moderate SIL altered patches as very cryptic sBX texture?). The interval has very broken zones. The lCN has 30 cm of MG DOL, followed by mBX of DOL LST by DOL VT.					s													
			243.20	250.66	7.46	LST	DOL	sBX	Medium grey and buff strongly DOL altered moderately SIL altered LST, sBX appears as overprinted irregularly shaped patches of buff and medium grey. The first 20 cm of intensely SIL altered, medium grey with buff alteration near VT.					s				SIL	m								

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			250.66	256.65	5.99	LST			Medium grey intensely DOL altered LST locally forming grey FG moderately SIL altered spots in a DOL matrix. Overprinted by layers and patches of buff intense DOL which defines a weak FO.	FO	65			i												
			256.65	257.28	0.63	LST	DOL	sBX	Medium grey and orange buff, intensely DOL altered LST. sBX by DOL VT, with orange brown alteration of grey sBX clast centers and DOL matrix. sBX transforms to overprinted cBX and mBX locally.					i													
			257.28	259.35	2.07	LST			Medium grey FG LST with orange buff alteration along FX, VT, and surrounding MG OX MX disseminated in trace amounts. Cryptic patches of lighter and darker grey calcareous, moderate-strongly DOL altered areas. Silt rich layers also occur.					s													
			259.35	263.36	4.01	LST	DOL	sBX	Buff to medium grey intensely DOL altered, strongly SIL altered LST. sBX and cBX on their own or overlapping. sBX of buff LST by white DOL and of grey LST by buff LST. cBX by DOL and Ca VT.					i				SIL	s								
			263.36	270.54	7.18	LST	DOL	sBX	Buff to dark grey, intensely DOL altered, sBX LST with weak to intense SIL alteration. Dark grey layers sBX by buff LST locally forming elongate clasts. Locally cBX texture overprints the interval and increases in intensity downhole.					i				SIL	s								
									FO is locally weakly defined by grey and buff interlayers.	FO	70																
			270.54	276.17	5.63	LST	DOL		Light grey-buff intensely DOL altered LST intensely cBX by medium grey weakly calcareous seams which locally emanate from Ca/DOL VTs. Seams are cut by Qz/Ca VT and VN with low angle TCA.					i													
			276.17	291.34	15.17	LST	DOL	sBX	Light to medium grey and buff, intensely DOL and strongly SIL altered LST with moderate sBX and weak cBX textures. The sBX occurs as buff clasts in a DOL matrix. The DOL forms irregular layers, and weak overprinted patches. sBX zones locally include Qz VT and patches.					i				SIL	s								
			291.34	307.84	16.50	LST	DOL	sBX	Medium grey and buff, strongly DOL and moderate-strongly SIL altered LST with intense sBX textures as buff clasts in DOL matrix, as strongly FO grey and buff interlayers, and as buff clasts in grey matrix, variably overprinted. White DOL VTs occur throughout, locally offsetting layers. Trace vugs, some infilled by dark Qz occur.					i				SIL	m								

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									307.84 m: E.O.H. - The hole was shut down because it was past the targeted depth.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: CO-10-02

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
60.40	63.18	2.78	LST		2.43	87	I076843	66	<0.01	0.26	<5	0.29	
83.22	86.22	3.00	LST		3.00	100	I076844	66	<0.01	0.05	2	0.03	
86.22	89.22	3.00	VOL	SER	2.93	98	I076845	66	<0.01	0.95	21	0.13	
89.22	92.20	2.98	VOL	SER	2.32	78	I076846	66	<0.01	0.04	38	0.03	
92.20	94.13	1.93	SLT		1.93	100	I076847	66	<0.01	0.17	110	0.16	
94.13	96.01	1.88	VOL	SER	1.63	87	I076848	66	0.02	0.43	79	0.35	
96.01	98.16	2.15	LST	OX	1.62	75	I076849	66	<0.01	1.09	77	0.63	
98.16	101.16	3.00	LST	cBX	2.89	96	I076851	66	<0.01	0.15	<5	0.03	
101.16	103.14	1.98	LST	DOL	1.94	98	I076852	66	<0.01	0.19	5	0.07	
103.14	105.61	2.47	LST	DOL	2.34	95	I076853	66	<0.01	0.15	17	0.06	
105.61	107.00	1.39	LST	DOL	1.22	88	I076855	66	<0.01	0.37	25	0.04	
107.00	109.17	2.17	LST	DOL	1.99	92	I076856	66	<0.01	0.18	13	0.24	
109.17	109.94	0.77	LST	tBX	0.77	100	I076857	66	<0.01	0.57	24	0.35	
109.94	112.94	3.00	LST	DOL	2.87	96	I076859	66	0.01	0.34	30	0.10	
112.94	115.82	2.88	LST	DOL	1.76	61	I076860	66	<0.01	0.33	10	0.27	
134.46	135.70	1.24	LST	DOL	1.17	94	I076867	67	<0.01	0.94	19	0.55	Change in sequence
135.70	137.60	1.90	LST	DOL	1.39	73	I076868	67	0.01	5.38	28	1.74	
137.60	140.31	2.71	LST	DOL	2.50	92	I076869	67	<0.01	0.04	<5	0.13	
140.31	143.10	2.79	LST	DOL	2.54	91	I076870	67	<0.01	0.12	6	0.10	
143.10	144.96	1.86	LST	DOL	1.64	88	I076871	67	<0.01	0.41	10	0.33	
144.96	147.83	2.87	LST	DOL	1.32	46	I076872	67	<0.01	0.66	20	1.91	
147.83	148.63	0.80	LST	DOL	0.75	94	I076874	67	0.01	7.36	10	0.59	
148.63	150.88	2.25	LST	DOL	2.07	92	I076875	67	<0.01	0.45	9	0.23	
150.88	153.92	3.04	LST	DOL	1.57	52	I076876	67	<0.01	0.25	6	0.31	
153.92	156.97	3.05	LST	DOL	1.87	61	I076877	67	<0.01	0.21	6	0.25	
156.97	160.02	3.05	LST	DOL	2.11	69	I076879	67	<0.01	0.07	<5	0.15	
160.02	161.07	1.05	LST	DOL	1.05	100	I076880	67	0.01	0.35	8	0.82	
161.07	164.00	2.93	LST	DOL	2.71	92	I076881	67	<0.01	0.13	10	0.22	
164.00	165.70	1.70	LST	DOL	1.12	66	I076882	67	<0.01	0.40	14	0.22	
165.70	167.00	1.30	LST	DOL	0.82	63	I076883	67	0.01	0.76	45	2.62	
167.00	169.00	2.00	LST	DOL	1.82	91	I076885	67	0.02	0.22	42	1.26	
169.00	171.56	2.56	LST	DOL	2.29	89	I076886	67	<0.01	0.12	12	0.15	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
-	-	-	-	-	-	-	I076850	66	0.01	<0.01	5	0.03	Blank (BTW)
-	-	-	-	-	-	-	I076854	66	0.43	713.00	8670	0.20	Standard OC-1
-	-	-	-	-	-	-	I076858	66	0.24	354.00	3950	0.14	Standard OC-2
-	-	-	-	-	-	-	I076873	67	0.01	<0.01	<5	0.05	Blank (BTW)
153.92	156.97	3.05	LST	DOL	1.87	61	I076878	67	<0.01	0.33	9	0.30	Duplicate
-	-	-	-	-	-	-	I076884	67	0.24	342.00	4300	0.16	Standard OC-2

GEOTECHNICAL LOG

HOLE: CO-10-02

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
4.49	4.57	0.08	0.08	100	0	0	W	SW		
4.57	6.10	1.53	1.03	67	0.11	7	W	FR		
6.10	7.32	1.22	1.05	86	0.00	0	W	FR		
7.32	8.23	0.91	0.78	86	0.00	0	W	SW		
8.23	9.91	1.68	1.32	79	0.35	21	MS	FR		
9.91	11.43	1.52	1.52	100	0.83	55	MS	FR		
11.43	12.65	1.22	1.09	89	0.85	70	MS	FR		
12.65	13.72	1.07	0.97	91	0.10	9	MS	FR		
13.72	15.24	1.52	1.48	97	0.94	62	MS	FR		
15.24	18.29	3.05	2.93	96	1.33	44	MS	FR		
18.29	21.34	3.05	3.04	100	1.87	61	MS	FR		
21.34	22.25	0.91	0.91	100	0.24	26	MS	FR		
22.25	24.38	2.13	2.13	100	0.56	26	MS	FR		
24.38	28.96	4.58	4.31	94	2.98	65	MS	FR		
28.96	32.00	3.04	2.80	92	1.50	49	MS	FR		
32.00	35.05	3.05	3.02	99	2.00	66	MS	FR		
35.05	38.10	3.05	2.98	98	1.57	51	MS	FR		
38.10	41.15	3.05	3.05	100	2.52	83	MS	FR		
41.15	44.20	3.05	2.78	91	2.23	73	MS	FR		
44.20	47.24	3.04	3.04	100	2.61	86	MS	FR		
47.24	48.77	1.53	1.50	98	0.70	46	MS	FR		
48.77	51.82	3.05	2.87	94	2.08	68	MS	FR		
51.82	54.86	3.04	3.04	100	2.20	72	MS	FR		
54.86	57.91	3.05	3.05	100	2.33	76	MS	FR		
57.91	60.96	3.05	3.00	98	2.02	66	MS	FR		
60.96	64.01	3.05	2.56	84	2.43	80	MS	FR		
64.01	67.06	3.05	2.98	98	2.18	71	MS	FR		
67.06	70.26	3.20	2.90	91	2.02	63	MS	FR		
70.26	73.30	3.04	3.04	100	1.70	56	MS	FR		
73.30	76.20	2.90	2.90	100	1.74	60	MS	FR		
76.20	79.25	3.05	2.93	96	2.10	69	MS	FR		
79.25	82.30	3.05	2.90	95	0.96	31	MS	FR		
82.30	85.34	3.04	2.99	98	1.31	43	MS	FR		
85.34	86.72	1.38	1.29	93	0.64	46	MS	FR		
86.72	87.02	0.30	0.29	97	0.00	0	W	MW		
87.02	90.07	3.05	2.57	84	1.67	55	W	SW		
90.07	92.20	2.13	1.76	83	1.24	58	W	MW		
92.20	93.57	1.37	1.27	93	0.28	20	W	SW		
93.57	96.01	2.44	2.18	89	0.30	12	W	VW		
96.01	96.32	0.31	0.30	97	0.00	0	EW	EW	7.5YR4/2	
96.32	96.62	0.30	0.13	43	0.00	0	EW	EW	7.5YR5/4	
96.62	96.93	0.31	0.10	32	0.00	0	EW	EW	7.5YR5/4	
96.93	99.06	2.13	1.85	87	0.17	8	W	MW		
99.06	102.11	3.05	2.90	95	2.68	88	MS	FR		
102.11	103.63	1.52	1.52	100	1.28	84	MS	FR		
103.63	104.39	0.76	0.60	79	0.50	66	MS	FR		
104.39	106.68	2.29	2.27	99	1.93	84	MS	FR		
106.68	109.73	3.05	3.01	99	2.60	85	MS	FR		
109.73	112.78	3.05	3.02	99	2.68	88	MS	SW		
112.78	115.82	3.04	2.00	66	1.82	60	MS	SW		
115.82	117.35	1.53	0.00	0	0.00	0	n/a	n/a		No recovery

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
117.35	117.96	0.61	0.10	16	0.00	0	W	SW		
117.96	118.26	0.30	0.14	47	0.00	0	W	SW		
118.26	118.87	0.61	0.52	85	0.00	0	W	SW		
118.87	120.09	1.22	0.90	74	0.23	19	MS	SW		
120.09	121.01	0.92	0.79	86	0.14	15	W	MW		
121.01	122.53	1.52	1.49	98	0.64	42	W	MW		
122.53	122.83	0.30	0.26	87	0.00	0	W	MW		
122.83	123.44	0.61	0.58	95	0.15	25	MS	SW		
123.44	124.05	0.61	0.58	95	0.16	26	W	SW		
124.05	125.58	1.53	1.38	90	0.71	46	W	MW		
125.58	126.49	0.91	0.91	100	0.22	24	MS	SW		
126.49	128.02	1.53	1.49	97	1.20	78	MS	SW		
128.02	129.54	1.52	1.52	100	1.35	89	MS	SW		
129.54	131.06	1.52	1.51	99	0.88	58	MS	SW		
131.06	132.59	1.53	1.53	100	1.43	93	MS	SW		
132.59	134.11	1.52	1.46	96	1.38	91	MS	MW		
134.11	135.03	0.92	0.87	95	0.24	26	W	MW		
135.03	135.94	0.91	0.73	80	0.12	13	W	MW		
135.94	136.70	0.76	0.27	36	0.00	0	W	HW		
136.70	138.23	1.53	1.52	99	0.42	27	MS	HW		
138.23	139.90	1.67	1.60	96	1.52	91	MS	SW		
139.90	141.58	1.68	1.54	92	0.79	47	MS	SW		
141.58	143.10	1.52	1.39	91	0.64	42	MS	SW		
143.10	144.78	1.68	1.38	82	0.00	0	MS	MW		
144.78	145.85	1.07	1.04	97	0.00	0	W	HW		
145.85	146.76	0.91	0.50	55	0.00	0	W	HW		
146.76	147.83	1.07	0.29	27	0.00	0	W	HW		
147.83	148.13	0.30	0.30	100	0.17	57	MS	SW		
148.13	149.35	1.22	1.02	84	0.73	60	MS	SW		
149.35	150.88	1.53	1.50	98	0.25	16	MS	SW		
150.88	152.40	1.52	1.46	96	0.56	37	MS	SW		
152.40	153.92	1.52	1.56	103	1.01	66	MS	SW		
153.92	155.45	1.53	1.43	93	0.84	55	MS	SW		
155.45	156.97	1.52	1.48	97	1.03	68	MS	SW		
156.97	158.50	1.53	1.51	99	1.17	76	MS	SW		
158.50	160.02	1.52	1.44	95	0.94	62	MS	SW		
160.02	161.54	1.52	1.38	91	0.24	16	MS	SW		
161.54	163.03	1.49	1.48	99	1.32	89	MS	SW		
163.03	165.66	2.63	1.98	75	0.56	21	MS	SW		
165.66	166.27	0.61	0.53	87	0.00	0	MS	SW		
166.27	169.32	3.05	2.50	82	0.47	15	MS	SW		
169.32	170.54	1.22	1.16	95	0.42	34	MS	HW		
170.54	171.45	0.91	0.91	100	0.27	30	MS	SW		
171.45	174.50	3.05	2.81	92	1.58	52	MS	SW		
174.50	176.78	2.28	2.28	100	0.58	25	MS	SW		
176.78	179.07	2.29	2.20	96	1.47	64	MS	SW		
179.07	181.36	2.29	2.25	98	0.63	28	MS	SW		
181.36	181.97	0.61	0.61	100	0.00	0	W	HW		
181.97	182.88	0.91	0.63	69	0.00	0	W	HW		
182.88	184.10	1.22	0.45	37	0.00	0	W	HW		
184.10	184.71	0.61	0.61	100	0.00	0	W	HW		
184.71	186.54	1.83	1.75	96	1.10	60	MS	SW		
186.54	187.45	0.91	0.71	78	0.58	64	MS	SW		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
187.45	190.50	3.05	2.54	83	1.03	34	W	MW		
190.50	193.55	3.05	2.95	97	2.00	66	MS	MW		
193.55	196.60	3.05	2.96	97	1.13	37	W	MW		
196.60	199.95	3.35	3.28	98	1.25	37	MS	FR		
199.95	200.86	0.91	0.67	74	0.20	22	MS	SW		
200.86	204.06	3.20	3.00	94	1.23	38	MS	SW		
204.06	206.04	1.98	1.75	88	0.55	28	W	MW		
206.04	208.79	2.75	2.35	85	2.10	76	MS	FR		
208.79	211.84	3.05	3.05	100	2.20	72	MS	FR		
211.84	214.88	3.04	2.90	95	2.24	74	MS	MW		
214.88	217.93	3.05	2.90	95	1.42	47	MS	SW		
217.93	220.68	2.75	2.69	98	0.11	4	W	MW		
220.68	223.72	3.04	3.04	100	1.65	54	MS	SW		
223.72	226.77	3.05	2.92	96	0.35	11	W	SW		
226.77	229.67	2.90	2.79	96	0.58	20	W	MW		
229.67	230.89	1.22	1.22	100	0.46	38	W	MW		
230.89	233.93	3.04	2.99	98	2.34	77	MS	SW		
233.93	236.83	2.90	2.41	83	1.12	39	W	SW		
236.83	240.03	3.20	3.09	97	0.69	22	W	SW		
240.03	243.23	3.20	2.82	88	1.09	34	W	SW		
243.23	246.13	2.90	2.98	103	0.58	20	W	SW		
246.13	249.33	3.20	2.82	88	0.65	20	W	SW		
249.33	251.46	2.13	2.10	99	1.44	68	W	SW		
251.46	254.51	3.05	2.83	93	1.97	65	MS	FR		
254.51	257.71	3.20	2.78	87	1.41	44	MS	SW		
257.71	258.01	0.30	0.28	93	0.00	0	W	MW		
258.01	259.23	1.22	1.22	100	0.00	0	W	SW		
259.23	262.13	2.90	2.70	93	1.27	44	W	SW		
262.13	264.72	2.59	2.39	92	0.37	14	W	SW		
264.72	266.70	1.98	1.88	95	1.14	58	W	SW		
266.70	269.75	3.05	3.00	98	1.71	56	W	SW		
269.75	272.80	3.05	2.92	96	1.95	64	W	MW		
272.80	275.84	3.04	3.00	99	2.72	89	MS	FR		
275.84	278.89	3.05	3.01	99	2.04	67	MS	SW		
278.89	281.94	3.05	2.98	98	2.07	68	MS	SW		
281.94	284.99	3.05	2.93	96	2.15	70	MS	SW		
284.99	288.04	3.05	2.86	94	2.33	76	MS	SW		
288.04	291.08	3.04	3.04	100	1.76	58	MS	SW		
291.08	293.83	2.75	2.49	91	0.84	31	W	SW		
293.83	296.27	2.44	2.44	100	0.85	35	W	SW		
296.27	299.47	3.20	3.07	96	1.77	55	W	SW		
299.47	302.69	3.22	2.96	92	2.01	62	W	SW		
302.69	304.80	2.11	1.86	88	0.62	29	MS	SW		
304.80	306.93	2.13	1.97	92	0.50	23	MS	SW		
306.93	307.84	0.91	0.87	96	0.51	56	MS	SW		
307.84	E.O.H.									

MAGNETIC SUSCEPTIBILITY LOG

HOLE: CO-10-02

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	OVB		N/A	
2.00	OVB		N/A	
3.00	OVB		N/A	
4.00	OVB		N/A	
5.00	LST	FOS	2.87	
6.00	LST	CLY	0.00	
7.00	LST	CLY	0.00	
8.00	LST	CLY	0.00	
9.00	LST	FOS	0.00	
10.00	LST		1.28	
11.00	LST		0.27	
12.00	LST		0.84	
13.00	LST		0.00	
14.00	LST		2.70	
15.00	LST		0.00	
16.00	LST		0.00	
17.00	LST		0.51	
18.00	LST		0.32	
19.00	LST		1.04	
20.00	LST		0.78	
21.00	LST		0.14	
22.00	LST		0.56	
23.00	LST		0.73	
24.00	LST		0.27	
25.00	LST		2.19	
26.00	LST		1.61	
27.00	LST		0.18	
28.00	LST		1.00	
29.00	LST		0.93	
30.00	LST		0.00	
31.00	LST		0.73	
32.00	LST		0.12	
33.00	LST		1.33	
34.00	LST		0.56	
35.00	LST		0.00	
36.00	LST		1.55	
37.00	LST		0.00	
38.00	LST		0.00	
39.00	LST		0.43	
40.00	LST		0.00	
41.00	LST		0.76	
42.00	LST		2.14	
43.00	LST	FOS	0.56	
44.00	LST	FOS	0.09	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	LST	FOS	0.29	
46.00	LST	FOS	0.25	
47.00	LST	FOS	0.45	
48.00	LST	FOS	0.38	
49.00	LST	FOS	0.82	
50.00	LST	FOS	1.04	
51.00	LST	FOS	1.04	
52.00	LST		0.53	
53.00	LST		0.64	
54.00	LST		1.22	
55.00	LST	FOS	1.31	
56.00	LST	FOS	0.60	
57.00	LST	FOS	0.75	
58.00	LST	FOS	0.00	
59.00	LST	FOS	0.54	
60.00	LST	FOS	1.22	
61.00	LST	Qz	0.64	
62.00	LST		1.04	
63.00	LST		0.29	
64.00	LST		0.62	
65.00	LST	FOS	0.21	
66.00	LST	FOS	0.93	
67.00	LST	FOS	1.13	
68.00	LST	FOS	0.00	
69.00	LST		1.04	
70.00	LST	FOS	0.89	
71.00	LST	FOS	0.00	
72.00	LST	FOS	0.91	
73.00	LST		0.53	
74.00	LST		1.20	
75.00	LST		0.84	
76.00	LST		0.45	
77.00	LST		1.06	
78.00	LST		0.80	
79.00	LST		0.49	
80.00	LST		0.45	
81.00	LST		1.22	
82.00	LST		0.00	
83.00	LST		0.82	
84.00	LST		0.78	
85.00	LST		1.00	
86.00	LST		0.16	
87.00	VOL	SER	0.93	
88.00	VOL	SER	0.76	
89.00	VOL	SER	1.93	
90.00	VOL	SER	0.05	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	VOL	SER	0.75	
92.00	VOL	SER	0.10	
93.00	SLT		0.53	
94.00	SLT		1.22	
95.00	VOL	SER	1.11	
96.00	VOL	SER	0.00	
97.00	LST	OX	0.00	
98.00	LST	OX	0.86	
99.00	LST	DOL	1.04	
100.00	LST	DOL	0.21	
101.00	LST	DOL	0.67	
102.00	LST	DOL	0.47	
103.00	LST	DOL	1.23	
104.00	LST	DOL	1.35	
105.00	LST	DOL	0.00	
106.00	LST	DOL	1.72	
107.00	LST	DOL	0.02	
108.00	LST	DOL	0.71	
109.00	LST	DOL	1.23	
110.00	LST	DOL	0.41	
111.00	LST	DOL	1.43	
112.00	LST	DOL	0.00	
113.00	LST	DOL	0.00	
114.00	LST	DOL	0.77	
115.00	LST	DOL	0.00	
116.00	LST	DOL	N/A	No recovery
117.00	LST	DOL	N/A	No recovery
118.00	LST	DOL	3.34	
119.00	LST	DOL	0.00	
120.00	LST	DOL	0.02	
121.00	LST	DOL	0.00	
122.00	LST	DOL	0.10	
123.00	LST	DOL	0.24	
124.00	LST	DOL	0.00	
125.00	LST	DOL	0.00	
126.00	LST	DOL	0.61	
127.00	LST	DOL	1.35	
128.00	LST	DOL	0.00	
129.00	LST	DOL	0.08	
130.00	LST	DOL	0.00	
131.00	LST	DOL	0.16	
132.00	LST	DOL	0.96	
133.00	LST	DOL	0.67	
134.00	LST	DOL	0.36	
135.00	LST	DOL	0.04	
136.00	LST	DOL	0.63	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	LST	DOL	0.18	
138.00	LST	DOL	2.41	
139.00	LST	DOL	0.53	
140.00	LST	DOL	1.29	
141.00	LST	DOL	0.00	
142.00	LST	DOL	0.41	
143.00	LST	DOL	0.00	
144.00	LST	DOL	1.14	
145.00	LST	DOL	0.00	
146.00	LST	DOL	0.00	
147.00	LST	DOL	0.15	
148.00	LST	VN	0.35	
149.00	LST	DOL	0.00	
150.00	LST	DOL	0.00	
151.00	LST	DOL	0.80	
152.00	LST	DOL	0.42	
153.00	LST	DOL	0.57	
154.00	LST	DOL	0.87	
155.00	LST	DOL	0.01	
156.00	LST	DOL	0.45	
157.00	LST	DOL	1.08	
158.00	LST	DOL	0.55	
159.00	LST	DOL	2.25	
160.00	LST	DOL	0.92	
161.00	LST	DOL	0.41	
162.00	LST	DOL	0.14	
163.00	LST	DOL	0.00	
164.00	LST	DOL	0.77	
165.00	LST	DOL	0.00	
166.00	LST	DOL	2.25	
167.00	LST	DOL	0.00	
168.00	LST	DOL	0.00	
169.00	LST	DOL	0.06	
170.00	LST	DOL	0.00	
171.00	LST	DOL	0.45	
172.00	LST	DOL	1.96	
173.00	LST	DOL	0.00	
174.00	LST	DOL	0.51	
175.00	LST	DOL	0.00	
176.00	LST	DOL	0.00	
177.00	LST	DOL	0.73	
178.00	LST	DOL	0.65	
179.00	LST	DOL	0.00	
180.00	LST	DOL	1.02	
181.00	LST	DOL	0.04	
182.00	LST	DOL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00	LST	DOL	0.00	
184.00	LST	DOL	0.00	
185.00	LST	DOL	1.88	
186.00	LST	DOL	1.35	
187.00	LST	DOL	3.81	
188.00	LST	DOL	0.00	
189.00	LST	DOL	0.12	
190.00	LST	DOL	0.34	
191.00	LST	DOL	4.10	
192.00	LST	DOL	2.11	
193.00	LST	DOL	0.36	
194.00	LST	DOL	3.64	
195.00	LST	DOL	0.00	
196.00	LST	DOL	0.00	
197.00	LST	DOL	0.00	
198.00	LST	DOL	0.00	
199.00	LST	DOL	0.00	
200.00	LST	DOL	1.80	
201.00	LST	DOL	4.12	
202.00	LST	DOL	1.02	
203.00	LST	DOL	0.18	
204.00	LST	DOL	0.28	
205.00	LST	DOL	0.00	
206.00	LST	DOL	0.38	
207.00	LST	DOL	0.00	
208.00	LST	DOL	0.00	
209.00	LST	DOL	0.00	
210.00	LST	DOL	0.00	
211.00	LST	SIL	0.00	
212.00	LST	SIL	0.32	
213.00	LST	SIL	2.17	
214.00	LST	SIL	0.00	
215.00	LST	SIL	0.00	
216.00	LST	SIL	2.93	
217.00	LST	SIL	0.00	
218.00	LST	SIL	0.00	
219.00	LST	SIL	0.00	
220.00	LST	SIL	0.00	
221.00	LST	SIL	0.16	
222.00	LST	SIL	0.22	
223.00	LST	SIL	3.17	
224.00	LST	SIL	3.30	
225.00	LST	SIL	0.00	
226.00	LST	DOL	5.55	
227.00	LST	DOL	2.46	
228.00	LST	DOL	0.12	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
229.00	LST	DOL	0.00	
230.00	LST	DOL	0.00	
231.00	LST	DOL	0.30	
232.00	LST	DOL	2.64	
233.00	LST	DOL	0.00	
234.00	LST	DOL	0.18	
235.00	LST	DOL	4.12	
236.00	LST	DOL	1.06	
237.00	LST	DOL	0.00	
238.00	LST	DOL	0.67	
239.00	LST	DOL	0.45	
240.00	LST	DOL	0.10	
241.00	LST	DOL	0.69	
242.00	LST	DOL	0.88	
243.00	LST	DOL	0.22	
244.00	LST	DOL	1.27	
245.00	LST	DOL	0.00	
246.00	LST	DOL	0.24	
247.00	LST	DOL	0.84	
248.00	LST	DOL	0.00	
249.00	LST	DOL	0.00	
250.00	LST	DOL	1.59	
251.00	LST		1.88	
252.00	LST		0.00	
253.00	LST		1.10	
254.00	LST		0.47	
255.00	LST		0.08	
256.00	LST		0.00	
257.00	LST	DOL	0.00	
258.00	LST		0.00	
259.00	LST		0.00	
260.00	LST	DOL	0.00	
261.00	LST	DOL	0.00	
262.00	LST	DOL	0.18	
263.00	LST	DOL	0.00	
264.00	LST	DOL	0.30	
265.00	LST	DOL	0.16	
266.00	LST	DOL	2.58	
267.00	LST	DOL	0.00	
268.00	LST	DOL	0.00	
269.00	LST	DOL	0.18	
270.00	LST	DOL	1.41	
271.00	LST	DOL	2.02	
272.00	LST	DOL	0.88	
273.00	LST	DOL	1.00	
274.00	LST	DOL	2.43	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
275.00	LST	DOL	0.69	
276.00	LST	DOL	0.00	
277.00	LST	DOL	1.92	
278.00	LST	DOL	0.00	
279.00	LST	DOL	0.90	
280.00	LST	DOL	1.02	
281.00	LST	DOL	0.65	
282.00	LST	DOL	2.23	
283.00	LST	DOL	2.41	
284.00	LST	DOL	0.00	
285.00	LST	DOL	2.19	
286.00	LST	DOL	0.00	
287.00	LST	DOL	0.00	
288.00	LST	DOL	3.13	
289.00	LST	DOL	0.41	
290.00	LST	DOL	0.00	
291.00	LST	DOL	0.04	
292.00	LST	DOL	1.59	
293.00	LST	DOL	0.00	
294.00	LST	DOL	0.00	
295.00	LST	DOL	2.93	
296.00	LST	DOL	0.84	
297.00	LST	DOL	0.86	
298.00	LST	DOL	0.51	
299.00	LST	DOL	1.35	
300.00	LST	DOL	0.00	
301.00	LST	DOL	0.00	
302.00	LST	DOL	0.78	
303.00	LST	DOL	0.32	
304.00	LST	DOL	1.06	
305.00	LST	DOL	0.24	
306.00	LST	DOL	0.00	
307.00	LST	DOL	0.00	

DENSITY LOG

HOLE: CO-10-02

Depth (m)	Unit	Modifier	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
			Py %	As %	Other	%							
28.07	LST		t				Calcite veining	14.5	4.2	579.1	382.0	2.94	2.94
90.83	VOL	SER						14.5	4.2	571.9	375.4	2.90	2.91
138.30	LST	DOL						14.6	4.2	522.2	327.0	2.63	2.68
148.15	DOL							17.9	4.2	816.8	552.2	3.36	3.09
154.23	LST	DOL						19.7	4.2	733.2	455.8	2.74	2.64
155.85	LST	DOL						19.5	4.2	741.2	472.6	2.80	2.76
176.99	LST	DOL						19.1	4.2	709.4	449.4	2.73	2.73
185.20	LST	DOL						14.7	4.2	520.5	322.5	2.61	2.63
206.55	LST	DOL						14.8	4.2	570.2	367.1	2.84	2.81
222.20	LST	DOL						15.0	4.2	576.9	373.0	2.83	2.83

BOX LOG

HOLE: CO-10-02

BOX	FROM (m)	TO (m)
1	4.49	9.91
2	9.91	15.24
3	15.24	20.62
4	20.62	25.77
5	25.77	32.20
6	32.20	36.57
7	36.57	51.82
8	51.82	47.39
9	47.39	52.94
10	52.94	58.31
11	58.31	64.26
12	64.26	69.64
13	69.64	74.98
14	74.98	80.23
15	80.23	85.60
16	85.60	91.01
17	91.01	96.62
18	96.62	102.11
19	102.11	107.39
20	107.39	113.11
21	113.11	121.02
22	121.02	125.58
23	125.58	130.14
24	130.14	135.18
25	135.18	140.31
26	140.31	145.15
27	145.15	150.48
28	150.48	155.45
29	155.45	160.37
30	160.37	165.78
31	165.78	170.82
32	170.82	175.15
33	175.15	180.22
34	180.22	184.71
35	184.71	189.55
36	189.55	194.54
37	194.54	199.95
38	199.95	205.15
39	205.15	210.72
40	210.72	215.85
41	215.85	220.25
42	220.25	225.00
43	225.00	229.15
44	229.15	233.67
45	233.67	238.87
46	238.87	243.51
47	243.51	247.83
48	247.83	253.26
49	253.26	258.49
50	258.49	263.21
51	263.21	268.05
52	268.05	273.23
53	273.23	278.80
54	278.80	284.16
55	284.16	289.35
56	289.35	293.83
57	293.83	298.62
58	298.62	303.90
59	303.90	307.84
307.84 m: E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
		527704	7120377	1537	302.36

ZONE: Condor

SECTION:

HOLE: CO-10-03

CLAIM:

Contractor: Superior

Drill: 1

Core size: BTW

Casing depth: 3.05 m out

Drilling dates: August 11-15, 2010

Geology logged by: K. Wynne

TARGET: Z-TEM Anomaly

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-60.0	compass	179.83	236	-56.2	Ranger
42.67	229	-59.1	Ranger	225.55	238	-55.4	Ranger
88.39	232	-58.1	Ranger	271.28	240	-55.0	Ranger
134.11	235	-56.7	Ranger	301.76	242	-54.7	Ranger

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	2.15	2.15	OVB	
2.15	31.67	29.52	LST	Fossiliferous, increasingly MBL down interval.
31.67	39.02	7.35	MBL	Foliated.
39.02	69.77	30.75	VOL	Chloritized, Sericitized, Silicified.
69.77	91.17	21.40	LST	With VOL rich gradational contacts, moderate MBL.
91.17	98.52	7.35	VOL	Sericitized.
98.52	179.31	80.79	LST	Intensely Silicified down interval.
179.31	187.75	8.44	VOL	With marble layers, intensely Silicified.
187.75	190.69	2.94	LST	Silicified.
190.69	204.22	13.53	VOL	Sericitized and black porous zones.
204.22	302.36	98.14	LST	Dolomitized, solusion brecciated, locally silicified.

SAMPLES

Numbers: I076959-I076983, I077003-I077017, I077022-I077034, I077036-I077045

Total: 63

Batch: 70, 71

Date Sent: August 17, 20 2010

Certificate: VA10114596, VA10120384

COMMENTS

The hole was ended because it was past the targeted depth.

GEOLOGY LOG

HOLE: CO-10-03

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	2.15	2.15				OVB			Overburden - no recovery																		
2.15	31.67	29.52				LST	FOS		Medium to light grey, fossiliferous. irregularly FO LST, with weak to intense MBL The intensity of the marbleization increases down the interval. Fossils include crinoids, bivalves and rugose corals. Ca occurs as erratic patches, circular blebs, and elongate broken clasts which may also be of organic origin. Ca VT with no common orientation occur through interval. Zones with decreased FOS and less erratic FO which is more common down interval. Trace Py is associated with fossils/Ca blebs.	FO	80							MBL	m	t						
			21.34	31.67	10.33	LST	MBL		Medium grey to light grey, intensely MBL LST, with fossils (crinoids) still locally unidentifiable and Ca VTs in common orientation.	VT	20	70						MBL	i							
									FO is defined by thin black seams in intensely MBL zones as well as interlayered medium to light grey layers in less altered zones.	FO	75															
31.67	39.02	7.35				MBL			Light grey MBL with < 5 cm thick medium grey overprinted looking layers which define the FO. Trace SER and Py occur throughout, becoming weak in the last 50 cm before the lCN.	FO	65							SER	t	t						
39.02	69.77	30.75				VOL		AM	Blue-green-grey CHL altered VOL with buff yellow SER increasing down interval. Amygdaloidal sections are common thorough interval, often associated with Bi.									CHL	ms							
																				SER	f						
																				BIO	f						
			39.02	39.60	0.58	VOL		AM	Light blue-grey, FG VOL with moderate FG BIO defining FO and rimming Ca amygdules. SER alteration and increased calcareousness occurs in the first 15 cm as a gradational uCN. The lCN has a gradational decrease in Bi and Ca.	CN								BIO	m							
																				SER	w						
			39.60	46.44	6.84	VOL	Ep	AM	Green-blue-grey FG strongly CHL altered VOL with pistachio green FG spots (Epidote) associated with FG Ca spots and amygdaloidal zones. Bi in amygdaloidal zones weak to moderate strong. Epidote weak through first 3 m, trace after.									BIO	w							
																				Ep	t						

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			46.44	58.87	12.43	VOL			Blue-grey VOL with dark elongate spots and FX coatings of very soft CHL with trace disseminated Py. Ca occurs as FG patches to amygdaloidal spots, not continuous through interval. The light blue grey layers are harder, generally associated with Qz/Ca VT and blebs and is moderate SIL.								CHL	s	t							
																		SIL	m								
			58.87	62.04	3.17	VOL		AM	Medium grey and light blue-grey, intensely Ca spotted VOL with dark grey intensely CHL altered layers. The light blue and green-grey patches are SER altered. Locally appear to as be elongate clasts.								CHL	m								
																		SIL	f								
			62.04	64.00	1.96	VOL	SIL	AM	Buff grey VOL that is moderately hard with FG Ca spots and very thin VTs, as well as thicker Qz/Ca VT and zones of amygdaloidal spots. Moderate SIL occurs with trace to moderate SER increasing toward gradational lCN.	lCN								SIL	m								
																		SER	w								
			64.00	69.77	5.77	VOL	SIL		Buff-yellow to medium brown-grey with intense orange-brown OX locally. uCN gradational, with brown-grey VOL increasingly SER altered down interval. VOL entirely buff yellow SER altered after 65.85 m. The interval is strongly SIL altered, with Ca/Qz blebs and VT/VN throughout the interval. Fractures and <20 cm wide show an orange-brown OX stain. The OX areas are more calcareous and softer than the surrounding SIL and SER alteration. The lCN is gradational. FO is defined by SER altered layers.	FO	60					m		SER	i								
																		SIL	s								
69.77	91.17	21.40				LST			Medium grey, erratic FO LST with FG soft black weakly calcareous layers and zones at contacts; mudstone or VOL?. Qz/Ca VNs recrystalize zones up to 30 cm long. Local moderate MBL alteration. Crinoid fossils, and trace disseminated Py occur throughout the interval.								MBL	w	t							
			69.77	71.41	1.64	LST	VOL		Black VOL or mudstone rich LST, with moderately-strong OX, sericite alteration and vuggy areas. uCN is transitional into the LST.	uCN					ms		SER	f								

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			88.27	91.17	2.90	LST	VOL		Gradational uCN with Ca blebs elongate to the FO and intense OX alteration in thin layers with vugs. Moderate-strongly SID alteration locally along with bands of SER altered VOL. This VOL rich mudstone, grades into VOL on lCN.	FO	70					m	f	SER	w								
91.17	98.52	7.35				VOL	SER		Yellow grey to brown, locally intense SER and moderate strong BIO altered VOL, with Ca blebs elongated with the FO; and VT parallel to the FO. Fair Py occurs as dark brassy disseminated blebs, preferentially within SER altered VOL. Qz/Ca VN < 3 cm follows the FO. Both the uCN and lCN are gradational.	FO	70							SER	s								
																		BIO	m								
98.52	179.31	80.79				LST			Medium grey, FG, FO, LST with crinoid stem fossils. FG dark grey layers are common near the uCN and decrease down interval. Trace Py is disseminated in Ca blebs and lime mud, the mineralization transitions into trace Po for 20 m down interval. Ca blebs and VT's are common, while Qz/Ca VT which follow general FO are less common. The lower portion of the interval is intensely SIL altered, making the fossils unrecognisable, also reaction to 10% HCl has decreased.	FO	70									t		t					
			101.57	103.20	1.63	LST			Dark grey-brown, strongly calcareous VOL rich LST with trace Bi and Py. Calcareous clasts < 1 cm in diameter occur in darker calcareous matrix Ca VTs occur throughout and are often offset by darker layers.	VT	35	185	10					BIO	t	t							
			111.00	131.50	20.50	LST	FO		Medium grey FG LST with trace Po grading into an area with trace Py. The Po mineralized LST seems to be less fossiliferous than the Py mineralized zones and is found in elongate disseminations, not associated with Ca unlike the Py.	FO	80										t						
			146.30	150.69	4.39	LST	SIL		Gradational uCN, with increased Ca/Qz VTs and general silicification. Trace crinoids are still visible.	uCN								SIL	m								

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			150.69	179.31	28.62	LST	SIL	FO	Dark grey with intense Ca/Qz veining and intense SIL of interval decreasing LST reaction to 10% HCl. Veining forms local mBX and silicification causes layered white and black texture not recognizably emanating from a vein. FG black thin layers and seams common, define irregular FO. No visible fossils. Trace to weak brassy Py in FG patches and bright FG disseminations. First meter rubble, up to 161.20 m very broken; more shale rich than bellow. Very gradational uCN. lCN has wisps of SER and rubble zone ~ 20 cm long.	FO	60							SIL	i	t							
179.31	187.75	8.44				VOL	SIL		Light yellow to buff SER altered VOL with layers and patches of light grey MBL which has been intensely silicified, fizzing only very weakly in 10% HCl. The interval is predominantly SER and SIL altered VOL. Brassy FG Py occurs in patches and layers associated with and replacing Qz/Ca patches and VT.									SIL	i	t							
																		SER	i								
																		MBL	i								
187.75	190.69	2.94				LST	SIL		Dark grey FG very hard SIL altered LST with intense thin Ca/Qz VTs locally cBX to tBX the LST. Thin black shale seams define the FO at 60 deg to CA. A gradational lCN occurs with decreased VT concentration and a light grey colour.	FO	60							SIL	i								
190.69	204.22	13.53				VOL			Variably coloured, from black to green-grey to purple grey, non-calcareous to weakly calcareous VOL. Contacts between the different colours are sharp.																		
			190.69	197.22	6.53	VOL	MBL		A mixture of light yellow-grey SER altered VOL and light to medium grey MBL altered LST with gradational, wispy CN between the two. Both parts of the interval are strongly SIL. MBL very weakly fizzes in 10% HCl because of SIL. Fair Py as FG brassy disseminations in Qz/Ca blebs, and replacing SER rich zones. OX on FX, VT, and thin layers. Gradational lCN with increased OX of Py and FX, corroded appearance, and SID VT.	CN							SER	f	f							
																		MBL	ms								
																		SIL	ms								

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			197.22	198.88	1.66	VOL			Black to very dark green to dark red, soft VOL, with locally very broken corroded appearance and SID alteration. The rock is very porous as it quickly absorbs moisture.																			
			198.88	201.96	3.08	VOL	OX		Green-grey SIL and SER altered VOL with silicified LST patches and intense OX on fractures and in intervals up to 15 cm long. Disseminated OX FG MX, and local SID also occur.							i	t	SIL	f									
																		SER	f								
			201.96	203.28	1.32	VOL			Black to very dark green to dark red, soft and porous VOL, with a locally corroded appearance with a high iron content (SID).								w										
			203.28	204.22	0.94	VOL			Medium grey VOL with purple a tint. It is non-calcareous and has a FO defined by darker thin wispy layers. Py occurs and is represented by medium grained corroded cavities. Intense SID alteration occurs over 4 cm on FX surfaces.	FO	65						t											
204.22	302.36	98.14				LST	DOL	sBX	Medium grey to white and buff, FG to MG intensely DOL LST with sBX textures as grey, buff or white patches, variably overprinted. Intense to trace cBX overprint gradationally increases down interval. Moderate SIL alteration occurs through most of interval, with zones of intense SIL. Trace disseminated OX MX is generally near the rims of Qz/Ca/DOL VTs. Bituminous infill and seams occur locally along with SID and smithsonite VTs increasing in density. VOL interlayers are a very minor part of the interval.						i				SIL	s									
			204.22	204.40	0.18	LST	SIL		Broken, strongly SID altered zone at uCN of DOL LST. Weak OX and intense SIL	uCN				i		w	s	SIL	i								
			204.40	219.49	15.09	LST	DOL	cBX	Light grey FG-MG intensely DOL LST intensely cBX by grey seams and strongly SIL with Qz blebs throughout. Grey patches most likely represent remnant sBX textures. Orange-brown seams with OX FG MX occur locally along with short broken intervals.					i				SIL	s									
			219.49	222.91	3.42	LST	DOL	sBX	Medium grey to orange-brown strongly DOL, moderate SIL and fairly OX LST, sBX by white MG DOL and entirely overprinted by a thin crackle texture. Black bituminous infills and stringers are common within the medium grey matrix. The LST clasts are < 5 cm wide.					i		t		SIL	m									

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			222.91	243.38	20.47	LST	DOL	cBX	White to buff and grey, intensely cBX and moderate strong sBX dolomitized LST. Intense DOL alteration and strong SIL occur. Local bituminous infills and seams occur along sBX margins.					i				SIL	s									
			240.53	240.85	0.32	LST	DOL		Light yellow cBX DOL/ANK altered LST with grey seams forming cBX texture. The yellow colour occurs as a rim ~ 20 cm wide on orange pink VT and OX zone. OX zone is rubbly, with a white non-calcareous mineral. XRF showed high Zn and Ba. (possibly barite and smithsonite).	VT	35			i	f	ms		SMI	m									
																		Ba	m								
			241.72	242.01	0.29	VN	Ba		Vein composed of elongate non-calcareous white crystals (Barite?) which brecciates the DOL LST with orange and dark brown rims. Weak Smithsonite and SID.								w								Sm	w	Ba	f	
			253.41	260.00	6.59	LST	DOL		Very broken interval, with rubble sections < 1 m long. Light yellow-white DOL/ANK altered LST with SID alteration on FX and through zones < 4 cm wide. Light yellow OX alteration also occurs on FX. Overprinting light yellow and grey sBX textures with fair cBX occur throughout. Thin SID VT set occurs at 35 deg to CA.	VT	35			i	w	t	w												
			262.90	263.30	0.40	LST	DOL		Dark buff intense SID VT within an intensely DOL altered LST. The SID VTs form a weak cBX texture, have 25 to 50 degree orientation, mainly 35 degrees.	VT	35			i			s												
			271.70	272.16	0.46	LST	VOL		Orange-brown to black, intensely OX, strongly SID altered, and strongly DOL altered LST at the upper contact with thin (< 15 cm) black to dark green non-calcareous, soft, weakly amygdaloidal VOL. The ICN with sBX and cBX DOL LST are sharp but too broken to measure.	ICN						i	s												
			274.16	276.76	2.60	LST	DOL	sBX	Light yellow-white and grey cryptic sBX patches, in a intensely DOL LST that is locally cBX by SID VTs and bituminous infill in FG grey zones. The interval is very broken up to rubble and small core pieces. OX alteration occurs on FX.					i		t	w												
			276.76	277.48	0.72	LST	SIL		Light grey intensely SIL and moderate DOL altered LST with SIL forming FG circular spots to pervasive zones.					m				SIL	i									

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			277.48	279.49	2.01	LST	VOL		Light orange-beige to black interval of interlayered intensely DOL altered LST and VOL. The VOL layer close to uCN is light green-blue-grey with strong SER alteration, and intense OX in layers and zones. VOL layers after that are black to dark green-grey, non-calcareous, weakly vesicular with OX in irregular layers and on FXs. DOL LST is light buff and grey, sBX and strongly SIL altered. The entire interval is very broken to rubble, with OX and SID alteration on FXs. The CN between the VOL and SIL altered DOL LST is very broken.						w	w										
			282.39	295.83	13.44	LST	SIL		Buff to medium grey, intensely DOL LST, sBX, with intense SIL in light to medium grey zones with DOL light buff spots giving fuzzy looking texture. Remainder of interval is strongly SIL. Very broken zones < 2.5 m long with weak OX and SID on FX. Trace disseminated Py MX. Black to green grey non-calcareous layers < 70 cm long of VOL interlayered with strong orange brown OX on FX and in layers.					i		w	w	SIL	i								
			287.80	288.42	0.62	VOL			Dark grey to green-grey, FG non-calcareous VOL with strong OX alteration on FX and through layers defining possible FO. The uCN and lCN have sugary textured DOL and uCN has moderate strong OX.	FO	50					m										
			292.57	292.85	0.28	VOL			Dark green-grey to black, FG non-calcareous VOL with OX on FX, in blebs, and forming weak cBX. In rubble zone with broken contacts.							ms										
			295.83	302.36	6.53	LST	DOL	sBX	Medium grey to buff, strong DOL moderate strong SIL, sBX LST. sBX as grey patches in buff matrix, or buff patches in grey matrix. Local bituminous infill and seams. Last 2 m are broken core and rubble					s				SIL	ms								
									Thin seams of SID VT and Qz DOL VN < 3 cm all at 30 deg to CA.	VT	30															
									302.36 m: E.O.H. - The hole was ended because it was past the targeted oxide horizon.																	

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: CO-10-03

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
37.00	39.02	2.02	MBL		1.93	96	I076959	70	<0.01	0.02	<5	0.01	
39.02	41.15	2.13	VOL	Ep	2.09	98	I076960	70	<0.01	<0.01	<0.2	<0.01	
41.15	44.20	3.05	VOL	Ep	2.85	93	I076961	70	<0.01	<0.01	<0.2	<0.01	
44.20	46.46	2.26	VOL	Ep	2.07	92	I076962	70	<0.01	<0.01	<0.2	<0.01	
46.46	49.00	2.54	VOL		2.25	89	I076963	70	<0.01	<0.01	<0.2	<0.01	
49.00	51.66	2.66	VOL		2.66	100	I076964	70	<0.01	<0.01	<0.2	<0.01	
51.66	54.71	3.05	VOL		3.04	100	I076965	70	0.01	<0.01	<0.2	<0.01	
54.71	57.91	3.20	VOL		2.99	93	I076966	70	<0.01	<0.01	<0.2	<0.01	
57.91	60.05	2.14	VOL		2.14	100	I076967	70	<0.01	<0.01	1	<0.01	
60.05	62.04	1.99	VOL		1.99	100	I076968	70	<0.01	<0.01	<0.2	<0.01	
62.04	64.00	1.96	VOL	SIL	1.95	99	I076969	70	<0.01	<0.01	<0.2	<0.01	
64.00	67.00	3.00	VOL	SIL	2.94	98	I076970	70	<0.01	<0.01	2	<0.01	
67.00	69.77	2.77	VOL	SIL	2.71	98	I076971	70	<0.01	0.69	105	<0.01	
69.77	72.73	2.96	LST	SHL	2.63	89	I076972	70	<0.01	8.57	41	<0.01	
86.00	88.27	2.27	LST		1.55	68	I076974	70	<0.01	0.04	22	0.03	
88.27	91.17	2.90	SHL		2.36	81	I076975	70	<0.01	0.27	42	1.99	
91.17	94.00	2.83	VOL	SER	2.61	92	I076977	70	<0.01	0.26	5	0.19	
94.00	97.00	3.00	VOL	SER	2.86	95	I076978	70	0.01	0.26	7	0.42	
97.00	98.52	1.52	VOL	SER	1.45	95	I076979	70	<0.01	0.29	28	0.35	
98.52	101.57	3.05			3.06	100	I076980	70	<0.01	0.11	<5	0.11	
101.57	103.02	1.45			1.29	89	I076981	70	<0.01	0.30	<5	0.04	
103.02	106.00	2.98	LST		2.96	99	I076983	70	<0.01	0.11	<5	0.04	
176.78	179.31	2.53	LST	SIL	2.49	98	I077003	70	<0.01	0.13	11	0.03	Break in sequence
179.31	182.00	2.69	VOL	SIL	2.60	97	I077004	70	<0.01	0.17	14	0.03	
182.00	185.00	3.00	VOL	SIL	2.72	91	I077005	70	<0.01	0.16	20	0.03	
185.00	187.75	2.75	VOL	SIL	2.58	94	I077006	70	<0.01	0.21	18	0.03	
187.75	190.69	2.94	LST	SIL	2.32	79	I077008	70	<0.01	0.04	1	0.02	
190.69	193.55	2.86	VOL	MBL	2.86	100	I077009	70	<0.01	0.51	35	0.12	
193.55	196.00	2.45	VOL	MBL	2.45	100	I077010	70	0.01	0.65	20	0.33	
196.00	197.22	1.22	VOL	MBL	1.22	100	I077011	71	0.01	1.01	42	0.08	
197.22	198.88	1.66	VOL		1.41	85	I077012	71	0.01	1.54	57	0.09	
198.88	201.96	3.08	VOL	OX	2.80	91	I077013	71	0.01	0.69	45	0.11	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
201.96	204.22	2.26	VOL		2.16	96	I077014	71	0.02	0.39	53	0.12	
204.22	206.45	2.23	LST	DOL	2.23	100	I077016	71	0.01	0.19	130	0.41	
206.45	208.48	2.03	LST	DOL	1.90	94	I077017	71	<0.01	0.06	13	0.23	
238.00	240.53	2.53	LST	DOL	2.47	98	I077022	71	<0.01	0.09	9	0.25	Break in sequence
240.53	242.01	1.48	LST	DOL	1.46	99	I077023	71	<0.01	1.95	7	0.43	
242.01	243.38	1.37	LST	DOL	1.23	90	I077025	71	<0.01	0.84	5	0.41	
262.13	265.18	3.05	LST	DOL	2.85	93	I077026	71	<0.01	0.14	16	0.19	
265.18	268.22	3.04	LST	DOL	3.04	100	I077027	71	<0.01	0.13	12	0.20	
268.22	271.27	3.05	LST	DOL	3.00	98	I077028	71	<0.01	0.39	68	2.92	
271.27	274.32	3.05	LST	VOL	3.01	99	I077029	71	0.01	0.48	54	0.04	
274.32	276.26	1.94	LST	DOL	1.94	100	I077030	71	<0.01	0.40	47	0.03	
276.26	277.48	1.22	LST	SIL	1.09	89	I077031	71	<0.01	0.27	23	0.01	
277.48	279.49	2.01	LST	VOL	2.01	100	I077032	71	0.01	1.06	26	0.35	
279.49	281.64	2.15	LST	SIL	1.96	91	I077034	71	<0.01	0.12	<5	0.01	
281.64	284.68	3.04	LST	SIL	2.88	95	I077036	71	<0.01	0.19	6	0.01	Break in sequence
284.68	287.13	2.45	LST	SIL	2.07	84	I077037	71	<0.01	0.09	5	<0.01	
287.13	288.95	1.82	LST	SIL	1.77	97	I077039	71	0.01	0.40	52	0.02	
288.95	291.08	2.13	LST	SIL	2.13	100	I077040	71	<0.01	0.20	8	0.01	
291.08	292.46	1.38	LST	SIL	1.22	88	I077041	71	<0.01	0.10	<5	0.01	
292.46	292.91	0.45	LST	SIL	0.36	80	I077042	71	0.06	2.15	61	3.38	
292.91	294.13	1.22	LST	SIL	1.22	100	I077043	71	<0.01	1.04	7	0.22	
294.13	297.72	3.59	LST	SIL	2.87	80	I077044	71	<0.01	0.17	6	0.25	
-	-	-	-	-	-	-	I076973	70	1.40	0.60	75	1.46	Standard ROS-2
-	-	-	-	-	-	-	I076976	70	0.39	7.11	1	1.34	Standard ROS-1
-	-	-	-	-	-	-	I076982	70	<0.01	0.01	<5	0.04	Blank (BTW)
185.00	187.75	2.75	VOL	SIL	2.58	94	I077007	70	<0.01	0.19	16	0.03	Duplicate
-	-	-	-	-	-	-	I077015	71	0.40	6.80	1	1.33	Standard ROS-1
-	-	-	-	-	-	-	I077024	71	<0.01	0.02	<5	0.04	Blank (BTW)
-	-	-	-	-	-	-	I077033	71	8.26	24.70	8	1.33	Standard ROS-4
284.68	287.13	2.45	LST	SIL	2.07	84	I077038	71	<0.01	0.05	<5	<0.01	Duplicate
-	-	-	-	-	-	-	I077045	71	<0.01	0.01	<5	0.02	Blank (BTW)

GEOTECHNICAL LOG

HOLE: CO-10-03

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
2.15	3.05	0.90	0.90	100	0.00	0	W	SW		
3.05	3.81	0.76	0.63	83	0.00	0	W	SW		
3.81	4.11	0.30	0.19	63	0.10	33	W	SW		
4.11	6.10	1.99	1.97	99	0.66	33	MS	FR		
6.10	7.62	1.52	1.52	100	0.76	50	MS	FR		
7.62	8.23	0.61	0.50	82	0.00	0	MS	FR		
8.23	9.14	0.91	0.91	100	0.49	54	MS	FR		
9.14	12.19	3.05	3.05	100	1.65	54	MS	FR		
12.19	13.72	1.53	1.50	98	0.75	49	MS	FR		
13.72	15.24	1.52	1.52	100	0.54	36	MS	FR		
15.24	18.29	3.05	3.05	100	1.53	50	MS	FR		
18.29	21.34	3.05	3.05	100	2.28	75	MS	FR		
21.34	22.86	1.52	1.52	100	0.78	51	MS	FR		
22.86	25.91	3.05	3.02	99	2.53	83	MS	FR		
25.91	28.96	3.05	3.05	100	2.75	90	MS	FR		
28.96	32.00	3.04	3.04	100	1.93	63	MS	FR		
32.00	35.05	3.05	3.02	99	2.09	69	MS	FR		
35.05	38.10	3.05	3.05	100	2.55	84	MS	FR		
38.10	41.15	3.05	3.03	99	2.22	73	MS	FR		
41.15	44.20	3.05	3.05	100	1.55	51	MS	FR		
44.20	47.24	3.04	2.85	94	1.40	46	MS	FR		
47.24	50.29	3.05	2.83	93	1.47	48	MS	FR		
50.29	51.66	1.37	1.37	100	0.67	49	MS	FR		
51.66	54.71	3.05	3.05	100	2.34	77	MS	FR		
54.71	57.91	3.20	3.10	97	1.55	48	MS	FR		
57.91	60.05	2.14	2.14	100	1.01	47	MS	FR		
60.05	62.48	2.43	2.43	100	1.16	48	MS	FR		
62.48	65.53	3.05	3.00	98	1.56	51	W	SW		
65.53	68.58	3.05	3.03	99	2.54	83	W	SW		
68.58	71.63	3.05	2.85	93	1.88	62	W	SW		
71.63	74.68	3.05	3.05	100	1.96	64	MS	FR		
74.68	77.72	3.04	3.04	100	2.26	74	MS	FR		
77.72	80.77	3.05	3.02	99	1.86	61	MS	FR		
80.77	83.82	3.05	3.05	100	1.57	51	MS	FR		
83.82	86.87	3.05	3.05	100	1.36	45	MS	FR		
86.87	88.54	1.67	1.08	65	0.19	11	W	SW		
88.54	91.44	2.90	2.43	84	0.36	12	W	SW		
91.44	94.49	3.05	2.91	95	1.63	53	W	SW		
94.49	97.54	3.05	3.01	99	2.15	70	MS	FR		
97.54	100.58	3.04	3.04	100	1.53	50	MS	FR		
100.58	103.63	3.05	2.91	95	2.01	66	MS	FR		
103.63	106.68	3.05	3.05	100	1.71	56	MS	FR		
106.68	109.73	3.05	3.05	100	1.37	45	MS	FR		
109.73	112.78	3.05	3.05	100	2.30	75	MS	FR		
112.78	115.82	3.04	3.04	100	2.80	92	MS	FR		
115.82	118.87	3.05	3.05	100	2.51	82	MS	FR		
118.87	121.92	3.05	3.00	98	2.52	83	MS	FR		
121.92	124.97	3.05	3.02	99	1.97	65	MS	FR		
124.97	128.02	3.05	3.05	100	2.35	77	MS	FR		
128.02	131.06	3.04	3.04	100	1.88	62	MS	FR		
131.06	134.11	3.05	3.02	99	2.50	82	MS	FR		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
134.11	137.16	3.05	3.05	100	1.32	43	MS	FR		
137.16	140.21	3.05	3.05	100	2.22	73	MS	FR		
140.21	143.26	3.05	3.05	100	2.87	94	MS	FR		
143.26	146.30	3.04	3.00	99	1.56	51	MS	FR		
146.30	149.35	3.05	2.97	97	2.29	75	MS	FR		
149.35	151.79	2.44	2.19	90	1.06	43	MS	FR		
151.79	153.92	2.13	2.05	96	0.64	30	MS	FR		
153.92	156.97	3.05	2.90	95	1.11	36	MS	FR		
156.97	160.02	3.05	3.04	100	0.99	32	MS	FR		
160.02	161.54	1.52	1.43	94	0.19	13	MS	FR		
161.54	164.59	3.05	3.05	100	2.09	69	MS	FR		
164.59	167.64	3.05	2.99	98	1.41	46	MS	FR		
167.64	170.69	3.05	3.05	100	1.00	33	MS	FR		
170.69	173.74	3.05	2.95	97	1.15	38	MS	FR		
173.74	176.78	3.04	3.04	100	1.55	51	MS	FR		
176.78	179.83	3.05	3.05	100	1.27	42	MS	FR		
179.83	182.88	3.05	3.03	99	1.91	63	MS	FR		
182.88	185.57	2.69	2.59	96	0.89	33	MS	FR		
185.57	186.23	0.66	0.65	98	0.38	58	MS	FR		
186.23	189.28	3.05	2.67	88	1.11	36	MS	FR		
189.28	191.26	1.98	1.98	100	0.45	23	MS	SW		
191.26	193.55	2.29	2.29	100	1.06	46	MS	SW		
193.55	196.29	2.74	2.74	100	1.25	46	MS	SW		
196.29	198.73	2.44	2.44	100	0.21	9	MS	MW		
198.73	201.17	2.44	2.39	98	0.70	29	W	HW		
201.17	202.39	1.22	1.20	98	0.00	0	W	HW		
202.39	205.44	3.05	3.05	100	1.42	47	MS	SW		
205.44	208.48	3.04	3.04	100	1.35	44	MS	SW		
208.48	211.53	3.05	3.05	100	1.40	46	MS	SW		
211.53	213.97	2.44	2.25	92	1.01	41	MS	SW		
213.97	216.71	2.74	2.65	97	2.05	75	MS	SW		
216.71	219.76	3.05	3.05	100	2.35	77	MS	SW		
219.76	222.50	2.74	2.74	100	1.94	71	MS	SW		
222.50	225.55	3.05	2.97	97	2.10	69	MS	SW		
225.55	228.60	3.05	3.05	100	2.69	88	MS	SW		
228.60	231.34	2.74	2.75	100	1.12	41	MS	SW		
231.34	234.39	3.05	3.00	98	1.81	59	MS	SW		
234.39	237.44	3.05	3.00	98	2.12	70	MS	SW		
237.44	240.03	2.59	2.59	100	1.97	76	MS	SW		
240.03	243.38	3.35	3.21	96	1.09	33	MS	SW		
243.38	246.28	2.90	2.68	92	2.19	76	MS	MW		
246.28	248.72	2.44	2.44	100	2.20	90	MS	MW		
248.72	251.31	2.59	2.59	100	1.09	42	MS	MW		
251.31	254.05	2.74	2.50	91	1.01	37	MS	MW		
254.05	256.95	2.90	2.79	96	1.04	36	MS	MW		
256.95	259.08	2.13	2.01	94	0.80	38	MS	MW		
259.08	262.13	3.05	3.05	100	1.02	33	MS	SW		
262.13	265.18	3.05	2.85	93	1.78	58	MS	SW		
265.18	268.22	3.04	3.04	100	1.27	42	MS	SW		
268.22	271.27	3.05	3.00	98	1.37	45	MS	SW		
271.27	274.32	3.05	3.01	99	1.58	52	MS	SW		
274.32	276.76	2.44	2.44	100	0.75	31	MS	MW		
276.76	278.59	1.83	1.83	100	0.52	28	MS	MW		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
278.59	281.64	3.05	3.05	100	0.96	31	MS	MW		
281.64	284.68	3.04	3.04	100	1.40	46	MS	SW		
284.68	287.12	2.44	2.13	87	0.94	39	MS	SW		
287.12	288.95	1.83	1.83	100	0.68	37	W	MW		
288.95	291.08	2.13	2.13	100	0.56	26	W	MW		
291.08	291.39	0.31	0.28	90	0.22	71	MS	SW		
291.39	292.46	1.07	0.81	76	0.19	18	W	MW		
292.46	292.91	0.45	0.38	84	0.16	36	W	MW		
292.91	294.13	1.22	1.22	100	0.23	19	MS	MW		
294.13	297.18	3.05	2.97	97	2.28	75	MS	SW		
297.18	300.23	3.05	3.05	100	2.01	66	MS	SW		
300.23	302.36	2.13	2.05	96	0.67	31	MS	SW		
302.36	E.O.H.									

MAGNETIC SUSCEPTIBILITY LOG

HOLE: CO-10-03

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	OVB		N/A	Overburden
2.00	OVB		N/A	Overburden
3.00	LST	FOS	1.57	
4.00	LST	FOS	0.00	
5.00	LST	FOS	0.20	
6.00	LST	FOS	0.00	
7.00	LST	FOS	0.61	
8.00	LST	FOS	0.28	
9.00	LST	FOS	0.02	
10.00	LST	FOS	0.00	
11.00	LST	FOS	0.73	
12.00	LST	FOS	0.00	
13.00	LST	FOS	0.77	
14.00	LST	FOS	0.90	
15.00	LST	FOS	2.74	
16.00	LST	FOS	0.00	
17.00	LST	FOS	0.00	
18.00	LST	FOS	0.94	
19.00	LST	FOS	1.78	
20.00	LST	FOS	0.10	
21.00	LST	FOS	0.00	
22.00	LST	MBL	1.76	
23.00	LST	MBL	0.90	
24.00	LST	MBL	0.00	
25.00	LST	MBL	0.41	
26.00	LST	MBL	0.14	
27.00	LST	MBL	0.00	
28.00	LST	MBL	1.06	
29.00	LST	MBL	0.06	
30.00	LST	MBL	0.30	
31.00	LST	MBL	0.63	
32.00	MBL		0.82	
33.00	MBL		1.10	
34.00	MBL		0.38	
35.00	MBL		0.00	
36.00	MBL		0.04	
37.00	MBL		0.47	
38.00	MBL		0.90	
39.00	MBL		0.00	
40.00	VOL	Ep	1.33	
41.00	VOL	Ep	0.30	
42.00	VOL	Ep	3.58	
43.00	VOL	Ep	0.96	
44.00	VOL	Ep	0.34	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	VOL	Ep	1.55	
46.00	VOL	Ep	1.59	
47.00	VOL		0.20	
48.00	VOL		0.00	
49.00	VOL		0.43	
50.00	VOL		0.43	
51.00	VOL		1.12	
52.00	VOL		0.14	
53.00	VOL		0.22	
54.00	VOL		0.30	
55.00	VOL		0.20	
56.00	VOL		0.51	
57.00	VOL		0.73	
58.00	VOL		0.92	
59.00	VOL		0.00	
60.00	VOL		0.32	
61.00	VOL		1.04	
62.00	VOL		0.00	
63.00	VOL	SIL	1.06	
64.00	VOL	SIL	0.69	
65.00	VOL	SIL	0.49	
66.00	VOL	SIL	1.16	
67.00	VOL	SIL	0.57	
68.00	VOL	SIL	0.57	
69.00	VOL	SIL	0.00	
70.00	LST	SHL	0.49	
71.00	LST	SHL	0.55	
72.00	LST		0.00	
73.00	LST		0.28	
74.00	LST		0.00	
75.00	LST		0.92	
76.00	LST		0.00	
77.00	LST		0.41	
78.00	LST		0.55	
79.00	LST		0.00	
80.00	LST		0.75	
81.00	LST		0.00	
82.00	LST		0.75	
83.00	LST		0.63	
84.00	LST		2.09	
85.00	LST		0.10	
86.00	LST		1.23	
87.00	LST		0.00	
88.00	LST		0.94	
89.00	SHL		0.00	
90.00	SHL		0.43	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	SHL		0.00	
92.00	VOL	SER	1.20	
93.00	VOL	SER	0.41	
94.00	VOL	SER	0.49	
95.00	VOL	SER	0.00	
96.00	VOL	SER	1.37	
97.00	VOL	SER	0.69	
98.00	VOL	SER	0.55	
99.00	LST		0.88	
100.00	LST		0.24	
101.00	LST		0.94	
102.00	LST		0.00	
103.00	LST		0.28	
104.00	LST		0.94	
105.00	LST		0.04	
106.00	LST		0.00	
107.00	LST		0.28	
108.00	LST		0.30	
109.00	LST		0.00	
110.00	LST		0.12	
111.00	LST		0.75	
112.00	LST	FO	0.94	
113.00	LST	FO	1.66	
114.00	LST	FO	1.33	
115.00	LST	FO	0.79	
116.00	LST	FO	0.36	
117.00	LST	FO	0.77	
118.00	LST	FO	1.47	
119.00	LST	FO	0.86	
120.00	LST	FO	0.14	
121.00	LST	FO	0.18	
122.00	LST	FO	0.30	
123.00	LST	FO	0.00	
124.00	LST	FO	0.41	
125.00	LST	FO	1.23	
126.00	LST	FO	0.00	
127.00	LST	FO	6.35	
128.00	LST	FO	0.16	
129.00	LST	FO	1.74	
130.00	LST	FO	7.17	
131.00	LST	FO	2.15	
132.00	LST		1.49	
133.00	LST		0.86	
134.00	LST		0.63	
135.00	LST		1.76	
136.00	LST		0.36	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	LST		0.51	
138.00	LST		1.45	
139.00	LST		0.65	
140.00	LST		0.08	
141.00	LST		1.27	
142.00	LST		1.25	
143.00	LST		0.67	
144.00	LST		1.06	
145.00	LST		0.86	
146.00	LST		0.00	
147.00	LST		0.73	
148.00	LST		3.23	
149.00	LST		0.00	
150.00	LST		0.51	
151.00	LST	SIL	0.00	
152.00	LST	SIL	0.86	
153.00	LST	SIL	0.65	
154.00	LST	SIL	0.75	
155.00	LST	SIL	1.08	
156.00	LST	SIL	0.32	
157.00	LST	SIL	0.00	
158.00	LST	SIL	0.00	
159.00	LST	SIL	1.20	
160.00	LST	SIL	0.98	
161.00	LST	SIL	0.34	
162.00	LST	SIL	1.31	
163.00	LST	SIL	0.43	
164.00	LST	SIL	2.39	
165.00	LST	SIL	0.43	
166.00	LST	SIL	0.57	
167.00	LST	SIL	0.00	
168.00	LST	SIL	0.65	
169.00	LST	SIL	0.98	
170.00	LST	SIL	0.00	
171.00	LST	SIL	0.90	
172.00	LST	SIL	1.10	
173.00	LST	SIL	0.00	
174.00	LST	SIL	0.00	
175.00	LST	SIL	6.37	
176.00	LST	SIL	0.00	
177.00	LST	SIL	0.22	
178.00	LST	SIL	2.93	
179.00	LST	SIL	0.00	
180.00	VOL	SIL	0.63	
181.00	VOL	SIL	0.00	
182.00	VOL	SIL	0.84	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00	VOL	SIL	0.61	
184.00	VOL	SIL	0.79	
185.00	VOL	SIL	0.00	
186.00	VOL	SIL	0.00	
187.00	VOL	SIL	2.29	
188.00	LST	SIL	0.00	
189.00	LST	SIL	1.78	
190.00	LST	SIL	0.92	
191.00	VOL	MBL	0.00	
192.00	VOL	MBL	0.73	
193.00	VOL	MBL	0.98	
194.00	VOL	MBL	0.00	
195.00	VOL	MBL	2.09	
196.00	VOL	MBL	1.82	
197.00	VOL	MBL	0.55	
198.00	VOL		0.00	
199.00	VOL	OX	0.38	
200.00	VOL	OX	0.34	
201.00	VOL	OX	0.53	
202.00	VOL		0.00	
203.00	VOL		0.75	
204.00	VOL		0.11	
205.00	LST	DOL	0.23	
206.00	LST	DOL	1.09	
207.00	LST	DOL	0.02	
208.00	LST	DOL	0.57	
209.00	LST	DOL	0.69	
210.00	LST	DOL	0.88	
211.00	LST	DOL	1.29	
212.00	LST	DOL	2.03	
213.00	LST	DOL	1.12	
214.00	LST	DOL	0.89	
215.00	LST	DOL	0.76	
216.00	LST	DOL	0.10	
217.00	LST	DOL	0.00	
218.00	LST	DOL	0.00	
219.00	LST	DOL	0.00	
220.00	LST	DOL	1.16	
221.00	LST	DOL	1.39	
222.00	LST	DOL	0.45	
223.00	LST	DOL	0.00	
224.00	LST	DOL	0.73	
225.00	LST	DOL	1.39	
226.00	LST	DOL	0.84	
227.00	LST	DOL	0.49	
228.00	LST	DOL	1.12	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
229.00	LST	DOL	0.28	
230.00	LST	DOL	0.04	
231.00	LST	DOL	0.00	
232.00	LST	DOL	0.24	
233.00	LST	DOL	1.41	
234.00	LST	DOL	1.55	
235.00	LST	DOL	1.18	
236.00	LST	DOL	0.71	
237.00	LST	DOL	1.06	
238.00	LST	DOL	0.04	
239.00	LST	DOL	1.23	
240.00	LST	DOL	2.02	
241.00	LST	DOL	1.00	
242.00	LST	DOL	1.10	
243.00	LST	DOL	0.30	
244.00	LST	DOL	0.65	
245.00	LST	DOL	0.00	
246.00	LST	DOL	3.71	
247.00	LST	DOL	0.00	
248.00	LST	DOL	0.00	
249.00	LST	DOL	0.84	
250.00	LST	DOL	3.03	
251.00	LST	DOL	0.30	
252.00	LST	DOL	1.43	
253.00	LST	DOL	0.55	
254.00	LST	DOL	0.18	
255.00	LST	DOL	0.28	
256.00	LST	DOL	3.19	
257.00	LST	DOL	0.00	
258.00	LST	DOL	2.68	
259.00	LST	DOL	0.08	
260.00	LST	DOL	2.70	
261.00	LST	DOL	0.14	
262.00	LST	DOL	1.37	
263.00	LST	DOL	0.79	
264.00	LST	DOL	1.10	
265.00	LST	DOL	0.94	
266.00	LST	DOL	2.58	
267.00	LST	DOL	1.33	
268.00	LST	DOL	1.68	
269.00	LST	DOL	0.45	
270.00	LST	DOL	1.33	
271.00	LST	VOL	0.73	
272.00	LST	VOL	0.55	
273.00	LST	DOL	0.84	
274.00	LST	DOL	0.82	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
275.00	LST	DOL	0.24	
276.00	LST	DOL	0.22	
277.00	LST	SIL	0.14	
278.00	LST	VOL	1.59	
279.00	LST	VOL	0.00	
280.00	LST	DOL	2.13	
281.00	LST	DOL	0.20	
282.00	LST	DOL	0.00	
283.00	LST	SIL	1.41	
284.00	LST	SIL	0.00	
285.00	LST	SIL	2.43	
286.00	LST	SIL	1.49	
287.00	LST	SIL	0.02	
288.00	LST	SIL	0.02	
289.00	LST	SIL	0.00	
290.00	LST	SIL	1.71	
291.00	LST	SIL	1.45	
292.00	LST	SIL	0.02	
293.00	LST	SIL	0.77	
294.00	LST	SIL	1.61	
295.00	LST	SIL	0.96	
296.00	LST	DOL	1.20	
297.00	LST	DOL	0.30	
298.00	LST	DOL	0.00	
299.00	LST	DOL	1.16	
300.00	LST	DOL	0.00	
301.00	LST	DOL	0.00	
302.00	LST	DOL	0.00	

DENSITY LOG

HOLE: CO-10-03

Depth (m)	Unit	Modifier	Texture	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
				Py %	As %	Other	%							
19.35	LST	MUD		t					14.6	4.2	541.2	341.6	2.73	2.71
85.55	LST	BN							14.4	4.2	526.6	332.5	2.69	2.71
159.17	LST	MUD		t					14.4	4.2	526.1	331.4	2.69	2.70
260.60	LST	DOL	sBX						14.6	4.2	553.5	356.6	2.79	2.81
282.65	LST	DOL							14.7	4.2	540.0	341.6	2.70	2.72
298.30	LST	DOL	cBX			SID	w		15.5	4.2	594.5	377.6	2.82	2.74

BOX LOG

HOLE: CO-10-03

BOX	FROM (m)	TO (m)
1	2.15	7.25
2	7.25	12.37
3	12.37	17.85
4	17.85	23.09
5	23.09	28.71
6	28.71	34.11
7	34.11	39.52
8	39.52	44.06
9	44.06	50.68
10	50.68	56.08
11	56.08	61.60
12	61.60	66.40
13	66.40	72.73
14	72.73	78.27
15	78.27	83.82
16	83.82	90.03
17	90.03	95.62
18	95.62	101.15
19	101.15	106.90
20	106.90	112.43
21	112.43	118.15
22	118.15	123.79
23	123.79	129.42
24	129.42	134.86
25	134.86	140.21
26	140.21	145.95
27	145.95	151.11
28	151.11	156.27
29	156.27	161.54
30	161.54	166.80
31	166.80	172.29
32	172.29	177.49
33	177.49	182.44
34	182.44	187.75
35	187.75	193.05

BOX	FROM (m)	TO (m)
36	193.05	198.10
37	198.10	203.05
38	203.05	208.48
39	208.48	213.87
40	213.87	219.47
41	219.47	224.65
42	224.65	230.06
43	230.06	235.02
44	235.02	240.35
45	240.35	245.85
46	245.85	250.96
47	250.96	255.66
48	255.66	260.37
49	260.37	265.93
50	265.93	271.12
51	271.12	276.26
52	276.26	281.30
53	281.30	286.58
54	286.58	291.58
55	291.58	295.98
56	295.98	301.22
57	301.22	302.36
302.36 m: E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
		527448	7120422	1515	29.26

ZONE: Condor

SECTION:

HOLE: CO-10-04

CLAIM:

Contractor: Superior

Drill: 1

Core size: BTW

Casing depth: 6.10 m out

Drilling dates: August 16-22, 2010

Geology logged by: K. Wynne, H. Friday

TARGET: Z-TEM anomaly

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-60.0	compass				

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	4.71	4.71	OVB	
4.71	21.00	16.29	LST	Mud rich LST with intermittent OX zones and cBX
21.00	23.44	2.44	VOL	intense SER, strong OX
23.44	29.26	5.82	LST	
		0.00		
		0.00		
		0.00		
		0.00		
		0.00		
		0.00		
		0.00		
		0.00		
		0.00		
		0.00		
		0.00		
		0.00		
		0.00		
		0.00		

SAMPLES

Numbers:

Total:

Batch:

Date Sent:

Certificate:

COMMENTS

The hole was lost.

GEOLOGY LOG

HOLE: CO-10-04

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	Photo
0.00	4.71	4.71				OVB			Overburden - no recovery.																		
4.71	29.26	24.55				LST			Light to dark grey LST with very mud rich zones which fizz weakly with 10% HCl. Qz/Ca VT to VN which locally cBX LST. OX locally in seams forming weak to strong cBX and on FX surfaces. OX-rich zones are medium red brown in colour. Large rugosa fossil ~3 cm across. Interval has more pervasive Ca VN/VT near the top.							f											
			21.00	23.44	2.44	VOL	OX		Medium red-brown, FO OX VOL. SER altered - sheen on FX surfaces. Very broken up and rubbly with clasts ranging from 0.5cm to 3cm. Interfingered upper contact, lower contact sharp into a thick (4cm) Ca VN.	FO	45					s		SER	s								
									29.26 m: E.O.H. - Hole was lost.	uCN	65	0															

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOTECHNICAL LOG

HOLE: CO-10-04

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
4.71	5.49	0.78	0.71	91	0	0	MS	SW		
5.49	7.32	1.83	1.43	78	0.10	5	MS	SW		
7.32	7.92	0.60	0.32	53	0.00	0	MS	SW		
7.92	8.53	0.61	0.39	64	0.00	0	MS	SW		
8.53	9.14	0.61	0.42	69	0.00	0	MS	SW		
9.14	9.75	0.61	0.40	66	0.00	0	MS	SW		
9.75	10.67	0.92	0.74	80	0.44	48	MS	SW		
10.67	12.19	1.52	1.52	100	0.92	61	MS	SW		
12.19	13.72	1.53	1.53	100	1.02	67	MS	SW		
13.72	14.33	0.61	0.60	98	0.25	41	MS	SW		
14.33	15.24	0.91	0.80	88	0.44	48	MS	SW		
15.24	16.76	1.52	1.51	99	0.72	47	MS	SW		
16.76	18.90	2.14	1.52	71	1.22	57	MS	SW		
18.90	21.34	2.44	0.30	12	0.00	0	W	SW		
21.34	23.47	2.13	0.46	22	0.00	0	W	MW		
23.47	24.99	1.52	0.03	2	0.00	0	W	MW		
24.99	26.21	1.22	0.77	63	0.26	21	MS	SW		
26.21	26.97	0.76	0.53	70	0.28	37	MS	MW		*First 8cm reaming
26.97	28.35	1.38	0.56	41	0.23	17	MS	SW		
28.35	29.26	0.91	0.06	7	0.00	0	W	MW		E.O.H.

MAGNETIC SUSCEPTIBILITY LOG

HOLE: CO-10-04

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00			N/A	
2.00			N/A	
3.00			N/A	
4.00			N/A	
5.00	LST		3.07	
6.00	LST		0.00	
7.00	LST		2.35	
8.00	LST		0.08	
9.00	LST		1.90	
10.00	LST		0.00	
11.00	LST		0.00	
12.00	LST		1.45	
13.00	LST		0.00	
14.00	LST		2.27	
15.00	LST		0.00	
16.00	LST		1.68	
17.00	LST		1.78	
18.00	LST		0.00	
19.00	LST		2.89	
20.00	LST		0.00	
21.00	VOL	OX	0.19	
22.00	VOL	OX	0.36	
23.00	VOL	OX	0.00	
24.00	LST		0.00	
25.00	LST		0.00	
26.00	LST		0.00	
27.00	LST		0.02	
28.00	LST		0.00	
29.00	LST		0.00	E.O.H.

DENSITY LOG

HOLE: CO-10-04

Depth (m)	Unit	Modifier	Texture	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
				Py %	As %	Other	%							
14.85	LST	DOL	cBX						14.8	4.2	543.5	341.5	2.70	2.69

BOX LOG

HOLE: CO-10-04

BOX	FROM (m)	TO (m)
1	4.71	10.04
2	10.04	15.24
3	15.24	26.21
4	26.21	29.26
29.26 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
		527448	7120422	1515	223.12

ZONE: Condor

SECTION:

HOLE: CO-10-05

CLAIM:

Contractor: Superior

Drill: 1

Core size: BTW

Casing depth: 6.10 m out

Drilling dates: August 25-31, 2010

Geology logged by: H. Friday, C. Butz

TARGET: Z-TEM anomaly

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-60.0	compass	114.91	233	-60.0	Ranger
38.71	232	-60.2	Ranger	130.15	234	-60.0	Ranger
53.95	232	-60.5	Ranger	206.35	236	-60.4	Ranger
69.19	231	-60.5	Ranger	221.59	237	-60.5	Ranger

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	5.60	5.60	OVB	
5.60	20.34	14.74	LST	
20.34	24.99	4.65	OX	Remnant SER from OX VOL.
24.99	48.70	23.71	LST	Moderate OX.
48.70	53.90	5.20	OX	
53.90	150.91	97.01	LST	Moderate DOL and SIL.
150.91	223.12	72.21	LST	Intense DOL, cBX.
223.12	E.O.H.			

SAMPLES

Numbers: I077187-I077206, I077243-I077245

Total: 23

Batch: 75, 76, 77

Date Sent: August 30, September 1, 5 2010

Certificate: VA10125742, VA10125741, VA10127790

COMMENTS

The hole was ended because it had reached its target depth.

GEOLOGY LOG

HOLE: CO-10-05

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	Photo
0.00	5.60	5.60				OVB			Overburden- no recovery.																		
5.60	20.34	14.74				LST			Medium to dark grey, FG, silt-rich LST with Ca stringers and VT throughout. cBX present locally where Ca VT/stringers are very abundant. Interval gets gradually lighter in colour down interval. At the end of interval cBX also present with dark grey seams (silt) creating texture. Interval fizzes moderately to strongly. OX present on rims of Ca stringers and on some FX surfaces. FO defined by stringers.	FO	60					t											
			15.67	15.92	0.25				White to light grey-buff, MG to CG Ca VN. Trace OX along interior seams, and a few dark grey stringers throughout (silt?). Slight buff-alteration to the Ca. Very sharp CN.	VN						t											
										uCN	25	210															
										lCN	35	0															
										FO	55																
			19.44	20.34	0.90	LST	RBL		Medium grey LST rubble with weak to strong OX as coating on broken surfaces, and as grit through intervals < 10 cm long. Clasts angular, from 0.5 - 3 cm in diameter. Clasts have a medium green grey clay coating. OX grit fizzes strongly with 10% HCl.	lCN	60					m											
20.34	24.99	4.65				OX	VOL		Light buff-grey to medium orange brown FO OX VOL. Local pearly lustre on surfaces indicating intense SER. Segment ranges from moderately OX to intensely OX with some 10 cm segments of competent VOL OX. Some rubbly sections with 0.5-2 cm angular clasts. Slight FO ranges from 45-50 deg. TCA. OX mainly holds core shape. Interval does not fizz with 10% HCl	FO	50					i											

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	Photo
24.99	48.70	23.71				LST	OX		Medium grey to dark grey banded, mildly FOS, LST with medium orange brown moderate strong OX bands with trace SID. OX bands make up 30-50% of interval, possibly have VOL component. Local cBX formed by Ca stringers. Ca stringers, VT and elongated blebs along FO present throughout interval. Local Qz VN and DOL VN present. Interval fizzes with 10% HCl including the OX bands. Zones of highly FX core with angular 0.5-1 cm clasts and a light grey coating on surface. Local weak light grey clay alteration on FX surfaces. Sharp uCN, gradational lCN. Pervasive FO ranging from 65 to 85 deg TCA.	FO	75					m								Si	t			x
			38.19	39.70	1.51	VN	RBL		White to light orange buff, extremely rubbly, MG to CG Qz/Ca VN. Medium brown-grey sandy-grit intervals intermixed with VN RBL. RBL clasts range from 0.5 cm to 3 cm, and are sub-angular. Contacts rubbly and non-measurable.																			
			40.17	41.18	1.01	VN			Light grey to medium buff, CG to vCG DOL VN/series of VT -- 2 20 cm VN in interval. Several small (0.5-1 cm) angular LST clasts in VN. Dark reddish-brown seams and blebs in VN. 1-2 cm rhombic brown Si crystals with a glassy lustre throughout VN -- Found mostly around dark brown seams. Contacts sharp for first VN in interval. Contacts undefined for second VN.	uCN	50		2										Si	t			
										lCN	65	0															
										FO	65																
			42.64	42.97	0.33	VT			White to light grey, MG to CG Ca/Qz VT/VN set following FO. Trace Si in VT. VT ranging from 0.5 to 6 cm wide.	FO	55		6										Si	t			x
			44.81	46.61	1.80	OX	RBL		Medium brown grey strong OX RBL. Interval fizzes moderately with 10% HCl. Clasts range from 0.5-2 cm and are sub rounded. Gradational contacts.							s											
			46.61	48.70	2.09	LST	OX		Medium grey-green and orange brown moderate OX LST with Si/Ca VN and VT throughout. VT/VN range from 0.2 - 2 cm thick with MG to CG crystals. Have sharp CN and appear somewhat pitted, with slightly lighter orange rims around the contact. Many unoriented VT/VN, however a prominent orientation is 20deg TCA, 175 deg TFA. FO is less defined than above intervals.	VN	20	175	4			m										x
										FO	45																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
48.70	53.90	5.20				OX	SID		Medium orange-brown to dark brown, FG to CG OX with segments of intense SID. Texture of OX ranges from silt to grit. Core holds shape in intense SID zones, otherwise very crumbly. Sharp undulating upper contact (non-measurable). Gradational lCN. A few QZ blebs/crystals present in interval approximately 1.5cm wide. Interval does not fizz with 10% HCl.								s										
53.90	150.91	97.01				LST			Medium to dark grey finely laminated DOL LST with intensely SIL zones and Ca/Qz stringers and VT throughout. Bands of dark grey-black silty LST pervasive through interval with weak Py MX in bands and elongated Qz blebs; often rimmed with Ca. Interval fizzes weakly to moderately (in the lighter sections). cBX locally formed by Ca/Qz seams. Relict SIL FOS beds present, very broken up FOS fragments of crinoids, brachiopods and finger coral/bioturbation? Weak to moderate Fe staining present on rims of Ca/Qz stringers and on some FX surfaces. Qz VT appear rimmed by very silicified Ca. Segments of abundant SID-Ca VT/VN. Gradational contacts.	FO	45			m				SIL	m	t							x
									Ca VT at 59.54 m. 0.71-1.0 cm thick.	VT	20	180														
									Ca/Qz VT at 68.87 m. 0.5 cm thick	VT	40															
									Ca/Qz/silt VN with FG \Py MX at 70.24 m. 1 cm thick. Fine laminations of silt, Ca and Qz.	VT	60	130														x
			79.68	80.77	1.09	LST	SIL		Medium to dark grey, FG to MG SIL LST with a light grey speckled pattern (spots 1 mm). Speckles have uneven edges and look similar to sBX texture. Speckles are mildly elongated along FO. Gradational contacts	FO	55							SIL	i								x
			84.42	87.11	2.69	LST	SIL	BX	Light to dark grey, FG to MG SIL LST with a mild BX/mottled texture defined by faint dark grey stringers. Top 30 cm of interval strongly FO (45 deg. TCA.) and rest of interval has no FO. Trace Py MX in dark seams.	FO	45							SIL	s	t							
			90.88	99.88	9.00	LST	DOL		Medium to dark grey, FG to MG DOL LST with pervasive Qz, Qz-Ca and SID-Ca VT throughout and Fe staining on FX surfaces and VT rims. Majority of Qz-Ca and SID-Ca VT have 2 mm - 1 cm vugs throughout. First half of interval more Fe-rich. Second half has more pervasive Qz stringers and VT and localized tBX formed by stringers. Fo 40 45 deg. TCA primarily defined by Ca/Qz stringers.	FO	40			m			t	Fe	w							x

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									SID-Ca VTs at 91.00 m. SID stringers with Ca rimming. 0.2 cm thick.	VT	40	0	5														
									SID-Ca VTs at 92.40 m. SID stringers throughout Ca VT. 1-1.5 cm thick	VT	55	350	2													x
									Ca/Qz VTs at 97.20 m. 1.5 cm thick	VT	40	0	3													
									Vuggy, light buff yellow Ca VTs at 99.76 m. 1-2 cm thick. Ca crystals appear to have an elongate habit.	VT	25	180	2													x
			107.84						Pitted, white to light grey Qz-Ca VT 0.5 cm thick	VT	30	85	1													
										FO	55																
			109.99	112.17	2.18	LST	SLT	BN	Dark grey to black, vFG to FG finely laminated, SIL, SLT LST with trace, FG disseminated Py elongated along FO. Interval does not fizz. More broken up than surrounding core with some RBL patches. FO ranges from 60 to 70 deg. TCA. Contacts gradational.	FO	65							SIL	s	t						
			116.29	121.58	5.29	LST	DOL	cBX	Medium to dark grey, FG to MG locally cBX, DOL LST with pervasive Ca VT/stringers and FG Py blebs throughout. Ca VT/stringers creating cBX texture locally - intervals 30-40% Ca. Localized FO at 40 deg. TCA.	FO	40			s						t						x
									White, 1-2 mm thick Ca stringers loosely follow FO. Majority of Ca stringers in segment follow this orientation	VT	40	0	30													
									White to light grey, 2 mm-1 cm thick Ca VT. Undulating and loosely follow the orientation of 35 deg TCA and 110 deg TFA.	VT	35	110	5													
			125.13	125.30	0.17	LST	FOS		Medium to dark grey, FG finger coral band/ bioturbation band. "fingers" follow FO (at 65 deg TCA). Fingers 1-3 mm thick. Interval DOL and SIL altered - does not fizz in 10% HCl. uCN gradational, lCN sharp at 50 deg TCA in line with FO.	FO	65			s				SIL	s						x
										lCN	50	0															
			137.83	144.83	7.00	LST	VOL	BN	Medium to dark grey, FG to MG DOL LST with light green to medium green-grey, vFG SER VOL interfingering. Trace Py throughout interval in bright, vFG thin wispy bands somewhat following FO. FO ranges from 55 to 65 deg TCA. Texture ranges from well defined BN to very undefined undulating bands. VOL fingers light grey-green at top of interval (137.83-138.73 m) and medium green-grey for rest of interval. Contacts sharp. uCN 90 deg TCA, lCN 45 deg TCA, 55 deg TFA.	FO	60									t						x
										uCN	90	0															
										lCN	45	55															

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			144.83	145.52	0.69	LST	VOL	AM	Medium to dark grey, FG to MG DOL LST with dark grey-black, vFG AM VOL interfingering. AM VOL has 1-5 mm rounded, white Ca amygdules throughout. Trace vFG Py in wispy stringers (with no preferred orientation) throughout. Weak FO present at 50 deg TCA. Sharp contacts. uCN 45 deg TCA, 55 deg TFA; lCN 70 deg TCA, 265 deg TFA.	FO	50								t							x
										uCN	45	55															
										lCN	70	265															
			147.06	150.91	3.85	LST	SLT		Dark grey to black, vFG finely laminated DOL SLT LST with trace Py and tremolite and a graphitic coating on FX surfaces. Py is FG to MG dull greenish-yellow in stringers 1-5 mm thick. Tr is FG and prismatic/fibrous, light green--and slightly Fe altered in sections -- and found in stringers 1-4 mm thick. FO primarily defined by Py and Tr stringers, but zones of Fe altered DOL LST - brownish grey bands present. FO ranges from 55 to 75 deg TCA. Sharp contacts. uCN 75 deg TCA, 0 deg TFA; lCN 75 deg TCA, 0 deg TFA.	FO	65			s				FEC	t	t			Tr	t	Gr	t	x
										uCN	75	0															
										lCN	75	0															
150.91	223.12	72.21				LST	DOL	cBX	Light to medium grey intense DOL LST, variably sBX andcBX, with increasing cBX down interval. OX on FX and through rubbly intervals < 50 cm long. Local strong SIL. Gradational uCN.					i														
			150.91	157.98	7.07	LST	DOL	cBX	Light to medium grey, FG to MG cBX DOL LST with trace CG disseminated Py throughout. Several very FX segments and a weak Fe staining on FX surfaces throughout interval that ranges from medium yellow-brown to medium pinkish-brown. SIL zones sporadically throughout. Interval fizzes moderately to strongly in 10% HCl.					i		w		SIL	w	t							
			157.98	158.32	0.34	LST	RBL		Medium reddish brown, highly FX LST with a moderate iron-staining/grit on surfaces. Clasts range from 2mm-2cm and are angular							m											
			160.81	161.21	0.40	LST	GRT		Light pink-brown (He?) LST GRT with moderate Py throughout. GRT ranges from <1mm size clasts to 1cm. Sharp contacts into surrounding competent rock							w				m							
			170.77	171.06	0.29	LST	RBL		Highly FX LST with a moderate, medium brown Fe-staining on surfaces. Clasts range from 0.5-2cm and are angular							m											

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			172.49	172.61	0.12	LST	RBL		Highly FX LST with a moderate, medium reddish-brown Fe-staining/GRT on surfaces. Clasts range from 2mm-1cm and are sub-angular							m											
			175.18	175.48	0.30	SID	RBL		Dark reddish-brown, FG to MG, rubbly porous Si VN. Sharp contacts (but non-measurable due to RBL). RBL clasts range from 0.5cm to 4cm and are sub-rounded	VN																	
			175.48	175.90	0.42	LST	DOL	RBL	Highly FX LST with a moderate, medium yellowish-brown, Fe-staining/grit on FX surfaces. Clasts range from 1mm to 1cm and are sub-angular. Dolomitized, as does not fizz with 10% HCL unless scratched					i		m											
			175.90	183.60	7.70	LST	DOL	sBX	Dark-medium grey, F-M grained cBX'd partially silicified, strongly dolomitized LST. Some sBX visible throughout interval, but is overprinted with cBX texture. No mineralization visible. Trace and non-significant oxidation along fractures seen.					s		t		SIL	m								
									Healed FX set at 181.70m	FX	40															
									Upper contact not measurable																	
									Lower contact at 183.60m	ICN	25															
			183.60	223.12	39.52	LST	DOL	cBX	Light to medium grey, FG-MG, strong SIL, intense DOL altered LST with sBX textures present throughout overprinted by the more prominent cBX. Weak SID alteration occurs along with oxidized sulphides (pyrite?). The interval is very hard and fizzes only when scratched.					i		w	w	SIL	s	t							
			185.30	185.75	0.45	LST	DOL	cBX	Oxidized sulphides appear to be related to a Qz/Ca vein (2 cm thick) that cuts the core.	VN	10					f										x
									Banding like sBX textures are also visible at 185.30 185.75 m.																	
			186.10	186.28	0.18	SID			Dark to medium brown siderite vein with an oxidation stain throughout the surrounding LST.	VN	40						s									
			196.90	197.05	0.15	SID			Medium brown siderite with more gradational contacts.								s									
			198.50					mBX	A mosaic breccia occurs locally around this point.																	
			211.70						Darker grey (carbon rich?) bands 1-2 cm thick increase in frequency.																	
									223.12 m: E.O.H. - Hole ended because it was passed the target depth.																	

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: CO-10-05

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
20.34	21.95	1.61	OX	VOL	1.08	67	I077187	75	<0.01	0.28	73	0.15	
21.95	23.47	1.52	OX	VOL	0.54	36	I077188	75	0.01	0.36	62	0.18	
23.47	24.99	1.52	OX	VOL	0.47	31	I077189	75	0.02	0.41	56	0.12	
24.99	28.04	3.05	LST	OX	1.96	64	I077191	76	<0.01	0.08	35	0.08	
28.04	31.09	3.05	LST	OX	2.61	86	I077192	76	<0.01	0.18	14	0.09	
31.09	34.14	3.05	LST	OX	2.12	70	I077193	76	<0.01	0.13	11	0.07	
34.14	37.19	3.05	LST	OX	2.21	72	I077194	76	<0.01	0.13	11	0.06	
37.19	38.71	1.52	LST	OX	1.17	77	I077195	76	0.01	0.26	17	1.92	
38.71	40.23	1.52	LST	OX	0.37	24	I077196	76	<0.01	0.28	88	6.84	
40.23	43.28	3.05	LST	OX	1.76	58	I077197	76	0.01	0.55	38	6.55	43.28 - 46.33 too small for sample
46.33	48.70	2.37	LST	OX	2.14	90	I077198	76	0.02	1.68	39	11.50	
48.70	49.38	0.68	OX	SID	0.14	21	I077200	76	0.36	7.47	3730	75.60	
49.38	50.90	1.52	OX	SID	0.48	32	I077201	76	0.25	4.55	4320	284.00	
50.90	52.43	1.53	OX	SID	0.63	41	I077202	76	0.08	4.41	2540	360.00	
52.43	53.90	1.47	OX	SID	0.29	20	I077203	76	0.08	5.15	1020	114.50	
53.90	57.00	3.10	LST	OX	2.98	96	I077205	76	0.01	0.26	21	0.58	
57.00	60.05	3.05	LST	DOL	3.05	100	I077206	76	0.02	0.23	17	3.84	
175.18	175.87	0.69	LST	DOL	0.63	91	I077243	77	1.75	0.68	1290	300.00	Change in sequence
185.00	187.00	2.00	LST	DOL	1.90	95	I077244	77	<0.01	0.10	215	1.71	
196.29	198.12	1.83	LST	DOL	1.76	96	I077245	77	<0.01	0.11	53	1.65	
-	-	-	-	-	-	-	I077190	75	0.01	0.01	5	0.04	Blank (BTW)
-	-	-	-	-	-	-	I077199	76	8.45	22.00	8	1.60	Standard ROS-4
-	-	-	-	-	-	-	I077204	76	<0.01	0.01	7	0.56	Blank (BTW)

GEOTECHNICAL LOG

HOLE: CO-10-05

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
5.60	6.71	1.11	1.10	99	0	27	W	MW		
6.71	8.23	1.52	1.09	72	0.00	0	W	MW		
8.23	9.75	1.52	0.95	63	0.00	0	W	MW		
9.75	11.28	1.53	1.46	95	0.12	8	MS	MW		
11.28	12.80	1.52	1.39	91	0.92	61	MS	FR		
12.80	14.33	1.53	1.35	88	1.08	71	MS	FR		
14.33	15.85	1.52	1.37	90	0.67	44	MS	SW		
15.85	17.37	1.52	1.43	94	1.07	70	S	FR		
17.37	18.90	1.53	0.93	61	0.73	48	MS	FR		
18.90	20.42	1.52	0.63	41	0.10	7	W	SW		
20.42	21.95	1.53	1.26	82	0.00	0	W	HW	7.5yr 4/6 7.5yr5/2	
21.95	23.47	1.52	0.55	36	0.00	0	W	HW	7.5yr4/6	
23.47	24.99	1.52	0.61	40	0.00	0	EW	HW	7.5yr 5/4	
24.99	25.91	0.92	0.44	48	0.00	0	W	MW		
25.91	28.04	2.13	1.58	74	0.54	25	MS	MW		
28.04	28.96	0.92	0.80	87	0.12	13	MS	MW		
28.96	29.57	0.61	0.42	69	0.00	0	W	MW		
29.57	30.48	0.91	0.63	69	0.00	0	W	MW		
30.48	31.09	0.61	0.49	80	0.00	0	W	MW		
31.09	32.61	1.52	1.05	69	0.12	8	W	MW		
32.61	33.53	0.92	0.59	64	0.00	0	W	MW		
33.53	34.14	0.61	0.46	75	0.12	20	W	SW		
34.14	34.75	0.61	0.40	66	0.11	18	W	SW		
34.75	35.05	0.30	0.22	73	0.00	0	W	HW		
35.05	37.17	2.12	1.80	85	0.27	13	W	MW		
37.17	38.71	1.54	1.24	81	0.00	0	VW	HW	10yr 5/3	
38.71	40.23	1.52	0.42	28	0.00	0	VW	MW		
40.23	41.76	1.53	0.71	46	0.42	27	W	HW	10yr3/3	
41.76	43.28	1.52	1.11	73	0.00	0	W	HW		
43.28	44.81	1.53	0.13	8	0.00	0	W	MW		
44.81	46.33	1.52	0.60	39	0.00	0	W	HW	7.5yr4/4	
46.33	47.85	1.52	1.17	77	0.36	24	W	SW	7.5yr 4/3	
47.85	49.38	1.53	1.22	80	0.47	31	W	HW	7.5yr 3/2	
49.38	50.90	1.52	0.54	36	0.00	0	EW	HW	7.5yr4/4	
50.90	52.43	1.53	0.51	33	0.00	0	EW	HW	7.53/3 2.5yr4/4	
52.43	53.95	1.52	0.42	28	0.00	0	EW	HW	7.5yr4/4	
53.95	55.47	1.52	1.31	86	0.15	10	MS	SW		
55.47	57.00	1.53	1.47	96	0.70	46	MS	FR		
57.00	58.52	1.52	1.42	93	0.80	53	MS	SW		
58.52	60.05	1.53	1.28	84	0.55	36	MS	SW		
60.05	61.57	1.52	1.38	91	0.76	50	MS	SW		
61.57	63.09	1.52	1.43	94	0.73	48	MS	SW		
63.09	64.62	1.53	1.53	100	1.31	86	MS	SW		
64.62	66.14	1.52	1.50	99	1.13	74	MS	SW		
66.14	67.67	1.53	1.53	100	1.09	71	MS	SW		
67.67	70.71	3.04	3.04	100	2.80	92	MS	SW		
70.71	72.24	1.53	1.53	100	1.53	100	MS	SW		
72.24	73.76	1.52	1.52	100	1.52	100	MS	SW		
73.76	75.29	1.53	1.53	100	1.40	92	MS	SW		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
75.29	76.81	1.52	1.49	98	1.02	67	MS	SW		
76.81	78.33	1.52	1.42	93	0.99	65	MS	SW		
78.33	79.85	1.52	1.46	96	1.21	80	MS	SW		
79.85	81.38	1.53	1.41	92	0.96	63	MS	SW		
81.38	82.91	1.53	1.53	100	1.04	68	MS	SW		
82.91	84.43	1.52	1.52	100	1.13	74	MS	SW		
84.43	85.95	1.52	1.30	86	1.14	75	MS	SW		
85.95	87.48	1.53	1.53	100	0.96	63	W	SW		
87.48	89.00	1.52	1.43	94	0.49	32	W	SW		
89.00	90.53	1.53	1.48	97	0.73	48	W	SW		
90.53	92.05	1.52	1.52	100	1.08	71	W	SW		
92.05	93.57	1.52	1.41	93	0.72	47	MS	SW		
93.57	95.10	1.53	1.52	99	0.66	43	MS	SW		
95.10	96.62	1.52	1.36	89	1.04	68	W	SW		
96.62	98.14	1.52	1.52	100	0.82	54	MS	SW		
98.14	99.67	1.53	1.53	100	0.61	40	MS	SW		
99.67	101.19	1.52	1.49	98	0.85	56	MS	SW		
101.19	102.72	1.53	1.52	99	0.93	61	MS	SW		
102.72	104.24	1.52	1.52	100	0.97	64	MS	SW		
104.24	107.29	3.05	2.97	97	2.13	70	MS	SW		
107.29	110.03	2.74	2.74	100	2.01	73	MS	SW		
110.03	112.17	2.14	1.94	91	0.00	0	W	MW		
112.17	114.00	1.83	1.83	100	1.08	59	MS	SW		
114.00	114.91	0.91	0.91	100	0.59	65	MS	SW		
114.91	117.96	3.05	2.99	98	2.62	86	MS	SW		
117.96	121.01	3.05	3.05	100	3.01	99	MS	SW		
121.01	123.75	2.74	2.61	95	1.65	60	MS	SW		
123.75	126.80	3.05	3.05	100	1.29	42	MS	SW		
126.80	129.84	3.04	3.04	100	2.15	71	MS	SW		
129.84	131.98	2.14	1.88	88	1.04	49	MS	SW		
131.98	134.72	2.74	2.74	100	2.45	89	MS	SW		
134.72	137.77	3.05	3.05	100	2.16	71	MS	SW		
137.77	140.82	3.05	3.05	100	2.59	85	MS	SW		
140.82	143.87	3.05	3.05	100	2.97	97	MS	SW		
143.87	146.91	3.04	3.02	99	2.15	71	MS	SW		
146.91	149.96	3.05	2.90	95	0.76	25	W	MW		
149.96	153.01	3.05	3.05	100	2.32	76	W	MW		
153.01	156.06	3.05	2.65	87	2.11	69	MS	SW		
156.06	159.11	3.05	3.05	100	0.99	32	MS	MW		
159.11	162.15	3.04	2.86	94	1.70	56	MS	SW		
162.15	163.68	1.53	1.14	75	0.61	40	MS	SW		
163.68	166.73	3.05	2.75	90	1.15	38	MS	SW		
166.73	169.77	3.04	2.99	98	1.55	51	MS	SW		
169.77	172.82	3.05	3.03	99	0.67	22	W	HW		
172.82	175.87	3.05	2.77	91	0.55	18	W	MW		
175.87	178.92	3.05	2.83	93	1.66	54	MS	SW		
178.92	181.97	3.05	3.02	99	2.03	67	MS	SW		
181.97	183.79	1.82	1.63	90	0.95	52	W	MW		
183.79	186.54	2.75	2.67	97	1.27	46	W	MW		
186.54	189.59	3.05	2.67	88	1.68	55	W	MW		
189.59	191.72	2.13	2.13	100	1.13	53	W	MW		
191.72	194.16	2.44	2.23	91	0.31	13	W	HW		
194.16	196.29	2.13	2.13	100	0.70	33	W	MW		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
196.29	198.12	1.83	1.76	96	0.95	52	W	HW		
198.12	200.25	2.13	1.99	93	0.56	26	W	HW		
200.25	203.30	3.05	3.03	99	1.24	41	W	MW		
203.30	206.35	3.05	3.05	100	1.36	45	W	MW		
206.35	209.40	3.05	3.04	100	2.81	92	MS	MW		
209.40	212.45	3.05	3.05	100	2.22	73	MS	MW		
212.45	215.49	3.04	2.98	98	2.02	66	MS	MW		
215.49	218.54	3.05	2.98	98	1.73	57	W	MW		
218.54	221.59	3.05	3.00	98	1.91	63	W	MW		
221.59	223.12	1.53								E.O.H.

MAGNETIC SUSCEPTIBILITY LOG

HOLE: CO-10-05

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00			NA	
2.00			NA	
3.00			NA	
4.00			NA	
5.00			NA	
6.00	LST		1.78	
7.00	LST		0.00	
8.00	LST		0.00	
9.00	LST		0.57	
10.00	LST		1.33	
11.00	LST		1.14	
12.00	LST		1.59	
13.00	LST		0.00	
14.00	LST		1.76	
15.00	LST		1.37	
16.00	LST		0.82	
17.00	LST		0.36	
18.00	LST		2.19	
19.00	LST		0.00	
20.00	LST	OX	1.33	
21.00	OX	VOL	0.34	
22.00	OX	VOL	0.26	
23.00	OX	VOL	1.49	
24.00	OX	VOL	2.19	
25.00	LST	OX	0.45	
26.00	LST	OX	0.96	
27.00	LST	OX	2.27	
28.00	LST	OX	3.58	
29.00	LST	OX	0.24	
30.00	LST	OX	0.54	
31.00	LST	OX	0.61	
32.00	LST	OX	2.41	
33.00	LST	OX	2.56	
34.00	LST	OX	2.33	
35.00	LST	OX	0.22	
36.00	LST	OX	0.96	
37.00	LST	OX	1.18	
38.00	LST	OX	1.04	
39.00	LST	OX	0.69	
40.00	LST	OX	0.06	
41.00	LST	OX	0.47	
42.00	LST	OX	0.00	
43.00	LST	OX	0.00	
44.00	LST	OX	0.04	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	OX	RBL	0.04	
46.00	OX	RBL	0.04	
47.00	LST	OX	0.26	
48.00	LST	OX	0.51	
49.00	OX	SID	1.00	
50.00	OX	SID	0.71	
51.00	OX	SID	0.16	
52.00	OX	SID	0.18	
53.00	OX	SID	0.53	
54.00	LST	OX	0.00	
55.00	LST	OX	0.00	
56.00	LST	OX	0.00	
57.00	LST		0.00	
58.00	LST		0.00	
59.00	LST		0.75	
60.00	LST		0.00	
61.00	LST		0.49	
62.00	LST		0.55	
63.00	LST		1.00	
64.00	LST		1.41	
65.00	LST		1.64	
66.00	LST		0.06	
67.00	LST		0.18	
68.00	LST		0.98	
69.00	LST		0.92	
70.00	LST		3.91	
71.00	LST		2.05	
72.00	LST		3.89	
73.00	LST		1.92	
74.00	LST		0.24	
75.00	LST		1.92	
76.00	LST		0.00	
77.00	LST		0.00	
78.00	LST		0.20	
79.00	LST		1.57	
80.00	LST	SIL	1.86	
81.00	LST		0.12	
82.00	LST		0.51	
83.00	LST		1.37	
84.00	LST		0.00	
85.00	LST	SIL	3.09	
86.00	LST	SIL	0.24	
87.00	LST	SIL	1.10	
88.00	LST		0.45	
89.00	LST		0.53	
90.00	LST		0.61	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	LST		0.51	
92.00	LST		0.00	
93.00	LST		4.32	
94.00	LST		1.53	
95.00	LST		0.06	
96.00	LST		0.08	
97.00	LST		2.07	
98.00	LST		0.22	
99.00	LST		0.82	
100.00	LST		1.82	
101.00	LST		1.61	
102.00	LST		5.00	
103.00	LST		0.10	
104.00	LST		1.14	
105.00	LST		0.00	
106.00	LST		0.49	
107.00	LST		1.14	
108.00	LST		1.13	
109.00	LST		2.05	
110.00	LST		0.16	
111.00	LST	SLT	2.23	
112.00	LST	SLT	0.41	
113.00	LST		1.20	
114.00	LST		0.00	
115.00	LST		3.97	
116.00	LST		0.86	
117.00	LST		0.20	
118.00	LST		0.00	
119.00	LST		1.47	
120.00	LST		0.00	
121.00	LST		1.43	
122.00	LST		1.02	
123.00	LST		2.07	
124.00	LST		1.61	
125.00	LST		0.30	
126.00	LST		1.66	
127.00	LST		2.29	
128.00	LST		0.12	
129.00	LST		2.37	
130.00	LST		2.70	
131.00	LST		0.00	
132.00	LST		1.82	
133.00	LST		1.16	
134.00	LST		1.14	
135.00	LST		1.06	
136.00	LST		0.26	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	LST		0.75	
138.00	LST		1.08	
139.00	LST		0.00	
140.00	LST		1.78	
141.00	LST		2.35	
142.00	LST		0.45	
143.00	LST		0.00	
144.00	LST		0.51	
145.00	LST		0.00	
146.00	LST		0.65	
147.00	LST		0.49	
148.00	LST		0.20	
149.00	LST		2.97	
150.00	LST		0.20	
151.00	LST	DOL	0.10	
152.00	LST	DOL	0.96	
153.00	LST	DOL	0.84	
154.00	LST	DOL	1.41	
155.00	LST	DOL	3.83	
156.00	LST	DOL	0.00	
157.00	LST	DOL	1.31	
158.00	LST	DOL	3.83	
159.00	LST	DOL	1.27	
160.00	LST	DOL	1.00	
161.00	LST	DOL	1.92	
162.00	LST	DOL	3.54	
163.00	LST	DOL	0.28	
164.00	LST	DOL	0.00	
165.00	LST	DOL	0.45	
166.00	LST	DOL	0.12	
167.00	LST	DOL	0.36	
168.00	LST	DOL	1.14	
169.00	LST	DOL	0.00	
170.00	LST	DOL	0.00	
171.00	LST	DOL	0.00	
172.00	LST	DOL	1.53	
173.00	LST	DOL	0.12	
174.00	LST	DOL	0.26	
175.00	LST	DOL	0.02	
176.00	LST	DOL	1.14	
177.00	LST	DOL	0.00	
178.00	LST	DOL	0.00	
179.00	LST	DOL	1.20	
180.00	LST	DOL	0.57	
181.00	LST	DOL	0.28	
182.00	LST	DOL	0.34	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00	LST	DOL	1.04	
184.00	LST	DOL	0.92	
185.00	LST	DOL	0.00	
186.00	LST	DOL	0.49	
187.00	LST	DOL	0.96	
188.00	LST	DOL	0.16	
189.00	LST	DOL	1.00	
190.00	LST	DOL	0.63	
191.00	LST	DOL	0.47	
192.00	LST	DOL	1.59	
193.00	LST	DOL	0.53	
194.00	LST	DOL	0.00	
195.00	LST	DOL	0.00	
196.00	LST	DOL	0.00	
197.00	LST	DOL	1.45	
198.00	LST	DOL	0.79	
199.00	LST	DOL	0.00	
200.00	LST	DOL	1.27	
201.00	LST	DOL	0.00	
202.00	LST	DOL	0.00	
203.00	LST	DOL	0.22	
204.00	LST	DOL	0.24	
205.00	LST	DOL	0.26	
206.00	LST	DOL	0.30	
207.00	LST	DOL	1.00	
208.00	LST	DOL	1.53	
209.00	LST	DOL	0.00	
210.00	LST	DOL	3.44	
211.00	LST	DOL	0.51	
212.00	LST	DOL	1.25	
213.00	LST	DOL	0.55	
214.00	LST	DOL	0.08	
215.00	LST	DOL	0.41	
216.00	LST	DOL	1.02	
217.00	LST	DOL	0.51	
218.00	LST	DOL	0.16	
219.00	LST	DOL	2.09	
220.00	LST	DOL	0.94	
221.00	LST	DOL	1.39	
222.00	LST	DOL	0.75	E.O.H.

DENSITY LOG

HOLE: CO-10-05

Depth (m)	Unit	Modifier	Texture	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
				Py %	As %	Other	%							
80.46	LST	SIL						Spotted texture	14.7	4.2	537.7	340.2	2.69	2.72
96.92	LST	DOL						intense Ca/Qz VT	14.3	4.2	540.6	345.9	2.78	2.78
109.76	LST	SLT		t					15.0	4.2	572.4	372.8	2.81	2.87
118.87	LST	DOL	cBX	t					15.4	4.2	596.8	383.6	2.85	2.80
129.00	LST	DOL	BN	t					15.6	4.2	592.7	379.1	2.80	2.77
139.35	LST	VOL	SER	t					11.6	4.2	415.3	307.2	2.64	3.84
145.00	LST	VOL	AM	t					14.4	4.2	578.6	383.1	2.96	2.96
178.60	LST	DOL						silicified	14.4	4.2	553.7	357.0	2.83	2.81
210.55	LST	DOL							14.9	4.2	576.6	372.7	2.85	2.83

BOX LOG

HOLE: CO-10-05

BOX	FROM (m)	TO (m)
1	5.60	10.23
2	10.23	15.85
3	15.85	21.95
4	21.95	29.57
5	29.57	35.34
6	35.34	42.87
7	42.87	52.43
8	52.43	58.93
9	58.93	64.30
10	64.30	69.82
11	69.82	75.29
12	75.29	81.12
13	81.12	86.43
14	86.43	91.39
15	91.39	96.62
16	96.62	101.79
17	101.72	107.29
18	107.29	112.78
19	112.78	118.21
20	118.21	123.75
21	123.75	129.26
22	129.26	134.99
23	134.99	140.59
24	140.59	146.23
25	146.23	151.61
26	151.61	157.35
27	157.35	162.24
28	162.24	168.14
29	168.14	172.82
30	172.82	178.02
31	178.02	183.74
32	183.74	189.45
33	189.45	194.85
34	194.85	200.25
35	200.25	205.43

BOX	FROM (m)	TO (m)
36	205.43	211.45
37	211.45	216.53
38	216.57	223.12
223.12 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
09+965NE	09+315NW	527520	7120502	1563	276.46

ZONE: Condor

SECTION: 09+315NW

HOLE: CO-10-06

CLAIM:

Contractor: Superior

Drill: 1

Core size: BTW

Casing depth: 4.57 m in

Drilling dates: September 1-9, 2010

Geology logged by: J. Lane

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-60.0	compass				

TARGET: Z-TEM anomaly

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	2.20	2.20	OVB	
2.20	135.99	133.79	LST	FOS, fair MBL
135.99	208.28	72.29	LST	Moderate DOL, local crenulation cleavage
208.28	213.76	5.48	VOL	Weak SER.
213.76	226.93	13.17	SHL	
226.93	276.46	49.53	LST	Strong DOL, cBX.
276.46	E.O.H.			

SAMPLES

Numbers: I077366-I077372, I077405-I077409

Total: 12

Batch: 80, 81, 82

Date Sent: September 15, 16,17

Certificate: VA10136192, VA10135269, VA10136191

COMMENTS

The hole was ended because it was passed the target depth.

GEOLOGY LOG

HOLE: CO-10-06

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	2.20	2.20				OVB			Overburden - no recovery																		
2.20	135.99	133.79				LST			medium grey fairly to moderately FOS LST with variable MBL alteration and FO. In general the unit is FG, but vFG and MG zones also occur. Fossils include crinoid stem fragments and burrows. FO is defined by FX orientation, banding and strain indicators, and is moderately strong. Varies from 45-60 degrees to CA.	FO								MBL	f							
			2.20	20.42	18.22	LST		FG	Medium to light grey FG to vFG FOS LST with a distinct banded texture. Fossils include broken up crinoid stem fragments and rounded burrows infilled with slightly coarser grained white calcite grit (?). The FO is moderately strong, defined by strain. 1-4 mm calcite VT cut the unit at 25 degrees to CA and over all the interval is 70% FG to MG and 30% vFG lime mudstone.	FO	60															
										VT	25	270															
			20.42	42.80	22.38	LST	MBL		Light to medium grey moderately to strongly marbleized LST with medium to dark grey irregular pressure solution seams throughout. Where less marbleized the limestone reveals moderate to strongly concentrated crinoid stem fragments 1-4 mm in diameter. Trace vFG pyrite is associated with the darker grey pressure solution stringers. And overall moderate to strong pervasive marbleization overprints75% of the unit.									MBL	ms	t						
									The FO is defined mainly by the swaley pressure solution stringers 45-60 degree TCA.	FO	50																
			42.80	57.82	15.02	LST	SID	cBX	Medium grey FG LST with zones of moderately strong SID alteration and fair cBX infilled with FG white Ca. The upper 5 cm of the unit is moderately rubbly and has a more silty texture.								m										
			42.80	44.81	2.01	LST	OX		Gradual transition from MBL LST into a rubbly orangeish/ creamy grey silty unit. The silty unit is strongly calcareous and appears as though it may be a SER altered VOL with weak to fair concentration of strongly oxidized sulphide mineralization.							f				w							
									A strong foliation is defined by the variation banding.	FO	50																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			44.81	57.82	13.01	LST	SID	cBX	Medium grey strongly cBX LST with fair to strong dark brown overprinting siderite alteration. The SID is more concentrated in zones that are more highly cBX. There appears to be at least 2 stages of cBX; an early very fine cBX that was infilled by CA, and later stained orangeish brown associated with SID alteration. A later, slightly thicker cBX texture occurs which is infilled by white Ca.								m											
			57.82	63.59	5.77	LST		cBX	medium grey strongly cBX LST with moderate Ca/DOL veinlets throughout. The interval has a strong multi-stage cBX texture that has most recently been overprinted by a white to slightly orange cream DOL/Ca veinlet set, almost stockwork in appearance. The veinlets are <1mm to 4 mm wide and are most commonly at 50 degrees TCA. This orientation represents ~ 60% of the VT in the unit. A common cBX orientation can not be determined.																			
			63.59	85.90	22.31	LST	FOS		A very rubbly transition (fault?) into dark grey to black LST. Bellow the rubbly uCN the unit becomes medium to dark grey intensely FO LST with fair crinoid stem fragments. FO is defined by distinct banding, strain indicators, and a common fracture orientation between 80 and 90 degrees TCA	FO	85																
									The upper contact is extremely sharp at 55 degrees TCA, but is very broken up and rubbly over ~1.3m	uCN	55																
									Near the uCN calcite filled VT are common but are rare moving down interval. The <1 mm to 3 mm VT are most commonly oriented 30 degrees TCA and 120 degrees TFA.	VT	30	120															
			85.90	90.05	4.15	LST			Begin to get medium greyish brown silty 3 mm to 2 cm thick bands parallel to other banding in the core.	FO	85																
			90.05	124.84	34.79	LST			medium to dark bluish grey FG to vFG LST with a weak to trace concentration of crinoid stem fragments and a weak to fairly developed FO. Toward lCN begin to get 0.5 to 2 cm DOL/Ca stockwork veins and veinlets at random orientations.	FO	85																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other Type	Other Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Other Type	Other Intensity	Other Type	Other Intensity	
			124.84	135.99	11.15	LST	FOS		Increase in the concentration of fossils to moderately strong to intense. The mainly crinoid stem fragments occur within medium grey weakly banded moderately foliated LST. Banding occurs at 75 degrees TCA with FO which is defined by very thin dark grey wispy lines. Banding defined by variation in fossil fragment concentration within medium grey lime mud. Outside of packstone bands only trace to weak crinoids occur. Weak Py as very fine grained disseminations and blebs throughout.	BD	75								w							x
135.99	208.28	72.29				LST	DOL		Medium grey moderately DOL LST with weak fine grained disseminated Py throughout and variable structural deformation and FO.					m						w							
			135.99	156.30	20.31	LST	DOL		Medium grey moderately DOL quite massive LST with 1 to 3 mm quartz veins cutting throughout and weak disseminated Py throughout. Vein orientation is quite random, but most commonly occurs at 75 degrees TCA. No foliation can be recognized in the core.	VT	75			m						w							
			156.30	159.05	2.75	LST	DOL	cBX	Medium to dark grey FG to MG LST with moderate dolomitization. The unit has taken on a light grey gritty appearance in a very dark grey matrix. Numerous phases of FG to MG Qz/Ca VT and VN occur throughout. Veinlet orientations are erratic but the most common orientation is 55 degrees TCA. A very weak background cBX texture occurs.	VT	55			m													
			159.05	174.91	15.86	LST	DOL		Medium to light and dark grey DOL LST. The interval consists of mainly very disrupted gritty looking light to medium grey DOL LST with bands and patches of very dark grey to black mudstone. In general the unit is too irregularly disrupted to get many orientations. Banding between the dark and lighter LST occurs at 70 degrees TCA. Trace Py occurs disseminated throughout and associated with calcareous spots. The disseminated Py could be diagenetic.	BD	70			m						t							x

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			174.91	208.28	33.37	LST	DOL		Dark grey and white strongly dolomitized LST with intense crenulation cleavage textures. Throughout, the most recent structural FO occurs at 80 degrees TCA, and an earlier Fo defined by black and white banding that is rotating into a crenulation cleavage occurs more commonly at 30 degrees to Ca. Trace Py is associated with the darker grey bands - it is most likely diagenetic Py.	FO	80			s					t							x
										FO	30																
									MG to FG DOL/Qz/Ca VT 3 to 5 mm wide cut the unit at 20 degrees TCA.	VT	20																
									An earlier phase of DO/Qz/Ca VN occurs at 10 degrees TCA and is offset ~ 3 mm by later crenulation cleavage FO.	VN	10																
208.28	213.76	5.48				VOL	MST		Slightly brownish grey vFG to FG volcaniclastic with light to medium grey non-calcareous (mudstone?) interbands. The VOL appears weakly SER altered. 0.5 to 1 cm slightly elongate Ca amygdules (?) in weak concentration. FO is fair in strength and occurs at 80 degrees TCA.	FO	80							SER	w							x
									Both uCN and lCN are very gradational over ~ 30 cm.	CN																	
213.76	226.93	13.17				SHL			Black vFG very weakly foliated shale with patches up to 30 cm in diameter of vFG Py (diagenetic), fair overall. Faint debris flow texture with 0.2 to 1 cm multi-lithologic subrounded clasts supported in a very fine grained medium and dark grey matrix. Overall ~ 20% of interval consists of a debris flow texture.											f							x
226.93	276.46	49.53				LST	DOL	cBX	Light to medium grey strongly crackle brecciated strongly DOL LST. The LST is creamy white grey, and crackle seams re medium to dark grey. Rare speleothems occur with overprinting crackle textures. The unit was likely earlier sBX and later cBX. Common crackle orientation of 45 degrees TCA. Qz rubble begins 10 cm from EOH.					s													x
			253.82	276.41	22.59	LST	OX		Interval with weak to fair concentration of oxidized sulphides and zones of extremely rubbly weakly oxidized material. ~30% rubbly.							t										
									276.46 m: E.O.H. - Hole ended because it was passed target depth.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: CO-10-06

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
40.41	42.80	2.39	LST	MBL	2.25	94	I077366	80	0.01	0.46	116	0.85	
42.80	44.81	2.01	LST	OX	1.07	53	I077367	80	<0.01	0.20	20	0.36	
44.81	47.85	3.04	LST	SID	0.54	18	I077368	80	<0.01	1.12	56	0.42	
47.85	50.29	2.44	LST	SID	1.93	79	I077369	80	<0.01	0.65	13	0.16	
50.29	52.43	2.14	LST	SID	2.10	98	I077370	80	<0.01	1.37	13	0.62	
52.43	55.47	3.04	LST	SID	2.99	98	I077371	80	0.01	0.51	39	0.74	
55.47	58.52	3.05	LST	SID	2.96	97	I077372	81	<0.01	0.23	21	1.68	break in sequence
208.28	211.08	2.80	VOL		2.80	100	I077405	81	<0.01	0.32	45	1.53	
211.08	213.76	2.68	VOL		2.68	100	I077406	81	<0.01	0.34	41	0.12	
213.76	216.49	2.73	SHL		2.36	86	I077407	81	0.01	0.58	74	0.15	
250.85	253.82	2.97	LST	DOL	2.79	94	I077408	82	<0.01	0.04	7	0.37	
253.82	256.64	2.82	LST	DOL	2.82	100	I077409	82	0.01	0.01	7	0.20	

GEOTECHNICAL LOG

HOLE: CO-10-06

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
0.00	3.65	3.65	1.12	31	1.12	31	ms	sw		
3.65	4.88	1.23	1.05	85	1.05	85	ms	fr		
4.88	6.71	1.83	1.75	96	1.79	98	ms	fr		
6.71	8.23	1.52	1.51	99	1.51	99	ms	fr		
8.23	9.75	1.52	1.52	100	1.52	100	ms	fr		
9.75	11.28	1.53	1.47	96	1.47	96	ms	fr		
11.28	12.80	1.52	1.49	98	1.49	98	ms	fr		
12.80	14.33	1.53	1.53	100	1.53	100	ms	fr		
14.33	15.85	1.52	1.52	100	1.52	100	ms	fr		
15.85	17.37	1.52	1.52	100	1.52	100	ms	fr		
17.37	18.90	1.53	1.51	99	1.51	99	ms	fr		
18.90	20.42	1.52	1.52	100	1.52	100	ms	fr		
20.42	21.95	1.53	1.53	100	1.53	100	ms	fr		
21.95	23.47	1.52	1.52	100	1.52	100	ms	fr		
23.47	24.99	1.52	1.52	100	1.52	100	ms	fr		
24.99	26.52	1.53	1.53	100	1.53	100	ms	fr		
26.52	28.04	1.52	1.52	100	1.52	100	ms	fr		
28.04	29.57	1.53	1.52	99	1.52	99	ms	fr		
29.57	31.09	1.52	1.52	100	1.52	100	ms	fr		
31.09	32.61	1.52	1.52	100	1.52	100	ms	fr		
32.61	34.14	1.53	1.53	100	1.53	100	ms	fr		
34.14	35.66	1.52	1.50	99	1.50	99	ms	fr		
35.66	38.71	3.05	3.01	99	3.01	99	ms	fr		
38.71	41.76	3.05	3.05	100	3.05	100	ms	fr		
41.76	44.81	3.05	1.97	65	1.97	65	ms	sw		
44.81	47.85	3.04	0.52	17	0.52	17	ms	mw		
47.85	48.31	0.46	0.35	76	0.35	76	ms	mw		
48.31	50.29	1.98	1.62	82	1.62	82	ms	sw		
50.29	52.43	2.14	2.14	100	2.14	100	ms	fr		
52.43	55.47	3.04	3.02	99	3.02	99	ms	sw		
55.47	58.52	3.05	3.03	99	3.03	99	ms	sw		
58.52	61.57	3.05	3.05	100	3.05	100	ms	fr		
61.57	64.62	3.05	2.48	81	1.50	49	ms	fr		
64.62	67.67	3.05	2.76	90	1.24	41	ms	fr		
67.67	70.71	3.04	3.04	100	1.85	61	ms	fr		
70.71	71.48	0.77	0.68	88	0.00	0	ms	fr		
71.48	73.76	2.28	1.20	53	0.00	0	ms	fr		
73.76	75.29	1.53	0.94	61	0.00	0	ms	fr		
75.29	78.33	3.04	3.04	100	1.01	33	ms	fr		
78.33	81.38	3.05	3.05	100	2.06	68	ms	fr		
81.38	84.43	3.05	3.05	100	1.33	44	ms	fr		
84.43	87.48	3.05	3.05	100	0.78	26	ms	fr		
87.48	90.22	2.74	2.74	100	1.58	58	ms	fr		
90.22	90.52	0.30	0.22	73	0.00	0	ms	fr		
90.52	93.57	3.05	3.05	100	1.14	37	ms	fr		
93.57	96.62	3.05	3.05	100	1.42	47	ms	fr		
96.62	99.67	3.05	3.05	100	2.15	70	ms	fr		
99.67	102.72	3.05	3.05	100	2.84	93	ms	fr		
102.72	105.77	3.05	2.85	93	2.54	83	ms	fr		
105.77	108.81	3.04	3.04	100	2.44	80	ms	fr		
108.81	111.86	3.05	3.00	98	2.30	75	ms	fr		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
111.86	114.91	3.05	3.05	100	1.30	43	ms	fr		
114.91	117.96	3.05	3.05	100	3.04	100	ms	fr		
117.96	121.01	3.05	3.05	100	2.80	92	ms	fr		
121.01	124.05	3.04	2.96	97	1.51	50	ms	fr		
124.05	127.10	3.05	3.05	100	2.29	75	ms	fr		
127.10	130.15	3.05	3.05	100	2.40	79	ms	fr		
130.15	133.20	3.05	3.05	100	2.12	70	ms	fr		
133.20	136.25	3.05	3.05	100	2.63	86	ms	fr		
136.25	139.29	3.04	3.05	100	2.05	67	ms	fr		
139.29	142.34	3.05	2.95	97	0.23	8	ms	fr		
142.34	145.39	3.05	2.99	98	0.89	29	ms	fr		
145.39	148.44	3.05	3.05	100	1.00	33	ms	fr		
148.44	151.49	3.05	3.05	100	2.91	95	ms	fr		
151.49	154.53	3.04	3.04	100	2.03	67	ms	fr		
154.53	157.58	3.05	3.05	100	2.54	83	ms	fr		
157.58	160.63	3.05	2.91	95	1.60	52	ms	fr		
160.63	163.68	3.05	2.94	96	1.90	62	ms	fr		
163.68	166.73	3.05	3.06	100	1.70	56	ms	fr		
166.73	169.77	3.04	2.77	91	1.24	41	ms	fr		
169.77	172.82	3.05	3.05	100	0.87	29	ms	fr		
172.82	175.87	3.05	3.05	100	1.18	39	ms	fr		
175.87	178.92	3.05	3.05	100	2.21	72	ms	fr		
178.92	181.97	3.05	3.05	100	2.69	88	ms	fr		
181.97	185.01	3.04	3.03	100	2.43	80	ms	fr		
185.01	188.06	3.05	3.06	100	2.94	96	ms	fr		
188.06	191.11	3.05	3.05	100	1.89	62	ms	fr		
191.11	194.16	3.05	3.02	99	1.36	45	ms	fr		
194.16	197.21	3.05	3.00	98	1.80	59	ms	fr		
197.21	200.25	3.04	3.04	100	1.75	58	ms	fr		
200.25	203.30	3.05	3.05	100	1.39	46	ms	fr		
203.30	206.35	3.05	2.99	98	1.43	47	ms	fr		
206.35	209.40	3.05	3.05	100	2.17	71	ms	fr		
209.40	212.45	3.05	3.05	100	2.60	85	ms	fr		
212.45	215.49	3.04	2.72	89	1.71	56	ms	fr		
215.49	218.54	3.05	2.89	95	1.10	36	ms	fr		
218.54	221.59	3.05	3.05	100	1.97	65	ms	fr		
221.59	224.64	3.05	3.05	100	2.22	73	ms	fr		
224.64	227.69	3.05	3.04	100	2.70	89	ms	fr		
227.69	230.73	3.04	3.05	100	2.56	84	ms	fr		
230.73	231.50	0.77	0.75	97	0.36	47	ms	fr		
231.50	233.78	2.28	1.94	85	1.41	62	ms	fr		
233.78	235.71	1.93	1.35	70	0.41	21	ms	fr		
235.71	238.35	2.64	2.64	100	2.25	85	ms	fr		
238.35	241.40	3.05	2.97	97	2.67	88	ms	fr		
241.40	244.45	3.05	2.89	95	2.42	79	ms	fr		
244.45	247.50	3.05	3.05	100	2.38	78	ms	fr		
247.50	250.55	3.05	3.05	100	1.86	61	ms	fr		
250.55	253.59	3.04	3.02	99	2.69	88	ms	fr		
253.59	256.64	3.05	3.00	98	2.88	94	w	mw		
256.64	259.69	3.05	2.01	66	0.67	22	w	mw		
259.69	261.21	1.52	1.28	84	0.00	0	w	mw		
261.21	264.26	3.05	2.74	90	0.75	25	w	mw		
264.26	267.31	3.05	3.02	99	1.51	50	ms	fr		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
267.31	270.35	3.04	2.25	74	1.69	56	ms	fr		
270.35	273.41	3.06	1.60	52	0.00	0	w	mw		
273.41	276.46	3.05	0.83	27	0.00	0	w	mw		E.O.H.

MAGNETIC SUSCEPTIBILITY LOG

HOLE: CO-10-06

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00			N/A	
2.00			N/A	
3.00			N/A	
4.00	LST		1.23	
5.00	LST		0.69	
6.00	LST		1.29	
7.00	LST		1.35	
8.00	LST		0.14	
9.00	LST		0.00	
10.00	LST		0.10	
11.00	LST		0.51	
12.00	LST		0.00	
13.00	LST		1.88	
14.00	LST		0.12	
15.00	LST		0.00	
16.00	LST		0.88	
17.00	LST		0.94	
18.00	LST		0.00	
19.00	LST		1.68	
20.00	LST		2.93	
21.00	LST		0.26	
22.00	LST		0.28	
23.00	LST		1.64	
24.00	LST		3.15	
25.00	LST		0.32	
26.00	LST		0.94	
27.00	LST		1.12	
28.00	LST		1.12	
29.00	LST		1.31	
30.00	LST		3.40	
31.00	LST		1.80	
32.00	LST		1.06	
33.00	LST		1.81	
34.00	LST		0.43	
35.00	LST		0.82	
36.00	LST		0.00	
37.00	LST		0.00	
38.00	LST		0.00	
39.00	LST		0.00	
40.00	LST		0.00	
41.00	LST		2.50	
42.00	LST		0.00	
43.00	LST		0.00	
44.00	LST		0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	LST		0.00	
46.00	LST		0.00	
47.00	LST		0.00	
48.00	LST		0.00	
49.00	LST		0.06	
50.00	LST		0.90	
51.00	LST		1.23	
52.00	LST		3.87	
53.00	LST		7.93	
54.00	LST		7.08	
55.00	LST		0.24	
56.00	LST		4.24	
57.00	LST		2.35	
58.00	LST		0.26	
59.00	LST		0.12	
60.00	LST		0.00	
61.00	LST		2.74	
62.00	LST		1.47	
63.00	LST		0.00	
64.00	LST		-	
65.00	LST		0.51	
66.00	LST		2.95	
67.00	LST		2.29	
68.00	LST		2.52	
69.00	LST		0.00	
70.00	LST		0.00	
71.00	LST		1.27	
72.00	LST		0.34	
73.00	LST		-	
74.00	LST		0.24	
75.00	LST		-	
76.00	LST		0.43	
77.00	LST		0.32	
78.00	LST		0.00	
79.00	LST		0.43	
80.00	LST		0.47	
81.00	LST		0.00	
82.00	LST		1.98	
83.00	LST		0.24	
84.00	LST		0.00	
85.00	LST		1.35	
86.00	LST		0.00	
87.00	LST		0.00	
88.00	LST		1.18	
89.00	LST		0.00	
90.00	LST		0.14	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	LST		0.71	
92.00	LST		0.04	
93.00	LST		1.37	
94.00	LST		0.00	
95.00	LST		0.12	
96.00	LST		0.00	
97.00	LST		0.00	
98.00	LST		0.06	
99.00	LST		0.04	
100.00	LST		2.74	
101.00	LST		0.00	
102.00	LST		3.87	
103.00	LST		0.79	
104.00	LST		3.46	
105.00	LST		1.00	
106.00	LST		1.53	
107.00	LST		1.51	
108.00	LST		2.05	
109.00	LST		1.12	
110.00	LST		0.00	
111.00	LST		1.59	
112.00	LST		0.63	
113.00	LST		1.00	
114.00	LST		0.04	
115.00	LST		2.07	
116.00	LST		0.22	
117.00	LST		0.14	
118.00	LST		0.34	
119.00	LST		2.51	
120.00	LST		0.02	
121.00	LST		0.26	
122.00	LST		0.90	
123.00	LST		0.00	
124.00	LST		0.59	
125.00	LST		0.75	
126.00	LST		0.00	
127.00	LST		0.71	
128.00	LST		0.94	
129.00	LST		1.00	
130.00	LST		0.79	
131.00	LST		0.00	
132.00	LST		1.94	
133.00	LST		0.26	
134.00	LST		1.43	
135.00	LST		2.37	
136.00	LST	DOL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	LST	DOL	0.08	
138.00	LST	DOL	0.10	
139.00	LST	DOL	0.43	
140.00	LST	DOL	0.25	
141.00	LST	DOL	1.27	
142.00	LST	DOL	0.47	
143.00	LST	DOL	1.08	
144.00	LST	DOL	0.10	
145.00	LST	DOL	1.84	
146.00	LST	DOL	0.00	
147.00	LST	DOL	0.48	
148.00	LST	DOL	2.91	
149.00	LST	DOL	1.16	
150.00	LST	DOL	1.16	
151.00	LST	DOL	0.61	
152.00	LST	DOL	0.73	
153.00	LST	DOL	1.92	
154.00	LST	DOL	1.59	
155.00	LST	DOL	0.00	
156.00	LST	DOL	0.00	
157.00	LST	DOL	0.00	
158.00	LST	DOL	0.79	
159.00	LST	DOL	2.78	
160.00	LST	DOL	0.00	
161.00	LST	DOL	0.61	
162.00	LST	DOL	0.40	
163.00	LST	DOL	1.33	
164.00	LST	DOL	0.12	
165.00	LST	DOL	0.61	
166.00	LST	DOL	0.08	
167.00	LST	DOL	0.00	
168.00	LST	DOL	0.00	
169.00	LST	DOL	0.00	
170.00	LST	DOL	0.00	
171.00	LST	DOL	2.70	
172.00	LST	DOL	1.84	
173.00	LST	DOL	0.24	
174.00	LST	DOL	0.00	
175.00	LST	DOL	0.51	
176.00	LST	DOL	0.49	
177.00	LST	DOL	0.00	
178.00	LST	DOL	0.59	
179.00	LST	DOL	0.69	
180.00	LST	DOL	1.41	
181.00	LST	DOL	0.00	
182.00	LST	DOL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00	LST	DOL	0.00	
184.00	LST	DOL	1.02	
185.00	LST	DOL	0.12	
186.00	LST	DOL	1.87	
187.00	LST	DOL	0.00	
188.00	LST	DOL	0.56	
189.00	LST	DOL	0.26	
190.00	LST	DOL	0.57	
191.00	LST	DOL	2.11	
192.00	LST	DOL	0.10	
193.00	LST	DOL	0.32	
194.00	LST	DOL	0.12	
195.00	LST	DOL	0.08	
196.00	LST	DOL	1.02	
197.00	LST	DOL	0.73	
198.00	LST	DOL	0.06	
199.00	LST	DOL	1.37	
200.00	LST	DOL	0.00	
201.00	LST	DOL	2.89	
202.00	LST	DOL	0.20	
203.00	LST	DOL	1.33	
204.00	LST	DOL	0.55	
205.00	LST	DOL	0.75	
206.00	LST	DOL	3.99	
207.00	LST	DOL	0.00	
208.00	LST	DOL	0.34	
209.00	VOL		0.20	
210.00	VOL		0.86	
211.00	VOL		0.32	
212.00	VOL		0.65	
213.00	VOL		0.00	
214.00	SHL		0.00	
215.00	SHL		0.00	
216.00	SHL		1.06	
217.00	SHL		0.10	
218.00	SHL		0.75	
219.00	SHL		0.00	
220.00	SHL		0.00	
221.00	SHL		1.45	
222.00	SHL		0.00	
223.00	SHL		0.82	
224.00	SHL		1.55	
225.00	SHL		1.00	
226.00	SHL		0.53	
227.00	LST	DOL	0.07	
228.00	LST	DOL	0.28	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
229.00	LST	DOL	0.00	
230.00	LST	DOL	1.86	
231.00	LST	DOL	0.00	
232.00	LST	DOL	0.00	
233.00	LST	DOL	0.00	
234.00	LST	DOL	0.04	
235.00	LST	DOL	0.00	
236.00	LST	DOL	2.21	
237.00	LST	DOL	0.47	
238.00	LST	DOL	2.21	
239.00	LST	DOL	0.00	
240.00	LST	DOL	0.00	
241.00	LST	DOL	0.34	
242.00	LST	DOL	0.06	
243.00	LST	DOL	4.23	
244.00	LST	DOL	0.00	
245.00	LST	DOL	1.76	
246.00	LST	DOL	0.00	
247.00	LST	DOL	0.00	
248.00	LST	DOL	0.12	
249.00	LST	DOL	0.00	
250.00	LST	DOL	1.02	
251.00	LST	DOL	7.39	
252.00	LST	DOL	0.76	
253.00	LST	DOL	0.46	
254.00	LST	DOL	0.00	
255.00	LST	DOL	0.00	
256.00	LST	DOL	0.57	
257.00	LST	DOL	1.23	
258.00	LST	DOL	0.00	
259.00	LST	DOL	0.06	
260.00	LST	DOL	0.00	
261.00	LST	DOL	0.00	
262.00	LST	DOL	0.29	
263.00	LST	DOL	0.00	
264.00	LST	DOL	0.16	
265.00	LST	DOL	0.08	
266.00	LST	DOL	0.98	
267.00	LST	DOL	0.01	
268.00	LST	DOL	0.00	
269.00	LST	DOL	0.20	
270.00	LST	DOL	0.32	
271.00	LST	DOL	0.32	
272.00	LST	DOL	0.00	
273.00	LST	DOL	0.00	
274.00	LST	DOL	0.02	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
275.00	LST	DOL	1.47	
276.00	LST	DOL	0.26	E.O.H.

DENSITY LOG

HOLE: CO-10-06

Depth (m)	Unit	Modifier	Texture	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
				Py %	As %	Other	%							
42.25	LST	MBL							14.8	4.2	543.6	341.8	2.70	2.69
83.60	LST	FOS	BW						14.9	4.2	551.0	342.6	2.72	2.64

BOX LOG

HOLE: CO-10-06

BOX	FROM (m)	TO (m)
1	0.00	7.76
2	7.76	13.19
3	13.19	18.82
4	18.82	24.22
5	24.22	29.57
6	29.57	34.89
7	34.89	40.41
8	40.41	48.24
9	48.24	53.78
10	53.78	59.30
11	59.30	64.74
12	64.74	70.68
13	70.68	76.98
14	76.98	82.68
15	82.68	88.25
16	88.25	93.62
17	93.62	99.10
18	99.10	104.98
19	104.98	110.50
20	110.50	115.87
21	115.87	121.27
22	121.27	126.83
23	126.83	132.48
24	132.48	137.99
25	137.99	143.01
26	143.01	148.11
27	148.11	153.49
28	153.49	158.97
29	158.97	164.84
30	164.84	170.42
31	170.42	175.87
32	175.87	181.63
33	181.63	187.31
34	187.31	192.85
35	192.85	198.38

BOX	FROM (m)	TO (m)
36	198.38	203.30
37	203.30	208.92
38	208.92	214.73
39	214.73	220.29
40	220.29	225.99
41	225.99	231.50
42	231.50	236.38
43	236.38	242.06
44	242.06	248.55
45	248.55	254.27
46	254.27	260.20
47	260.20	265.70
48	265.70	272.50
49	272.50	276.46
276.46 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
					249.02

ZONE: Kitty

SECTION:

HOLE: KT-10-01

CLAIM:

Contractor: Beaudoin

Drill: 4

Core size: BTW

Casing depth: 6.10 m out

Drilling dates: September 3-9, 2010

Geology logged by: K. Wynne

TARGET: Linear structure, extension of Tiger.

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-60.0	compass				

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	4.51	4.51	OVB	
4.51	206.28	201.77	LST	Weak OX, local SIL.
206.28	211.66	5.38	VOL	Amygdaloidal, with moderate strong SER.
211.66	213.11	1.45	LST	Strong MBL with VOL interlayers.
213.11	222.50	9.39	LEP	Intense SER, moderate OX.
222.50	225.00	2.50	FLT	
225.00	249.02	24.02	LST	Strong DOL and moderate strong SIL.
249.02	E.O.H.			

SAMPLES

Numbers: I077373-I077383, I077410-I077418

Total: 20

Batch: 81, 82

Date Sent: September 16, 17 2010

Certificate: VA10135269, VA10136191

COMMENTS

Hole ended because it was passed the target depth.

GEOLOGY LOG

HOLE: KT-10-01

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	4.51	4.51				OVB			Overburden - no recovery																		
4.51	206.28	201.77				LST			Medium grey FG fossiliferous FO LST, with variable fossil concentration from mudstone to wackestone. Crinoids main identifiable fossil. Trace Py through interval. Calcareous VT both following and cutting FO. Qz VT less common, cut FO. Irregular black and white intergrown calcareous VT to VN, commonly with Qz blebs within, occur locally in high concentration. Weakly OX and trace SIL overall.	FO	60					w		SIL	t	t							
									Low angle TCA Ca VT set, appears to offset FO following VT locally. 10-30 degrees.	VT	20	90															
			6.30	16.37	10.07	LST			Medium grey wackestone, gradational into mudstone on uCN and lCN.																		
			78.26	116.70	38.44	LST	OX		Gradational increase over ~ 20 m in OX. Occurs in thin layers following FO before uCN. Contact at first OX layer thicker than 2 cm. OX layers are orange brown, soft, with unoxidized grey LST between layers with trace crinoid fossils. Trace Py in interval, predominantly altered dark red brown or entirely corroded leaving a void space. Interval very gradational, with increased concentration of OX layers toward center, decreasing toward both CN. Increased Qz VN through interval.	FO	65					ms			t	t						
			85.79	89.36	3.57	LST			Intensely veined interval. Qz/Ca, irregular, with black and orange brown calcareous OX patches. Light orange colour to Ca common. Trace dark red brown OX Py.								ms			t							
			135.87	137.16	1.29				Interval has trace Po instead of trace Py.												t						
			140.46	169.31	28.85	LST	SIL		Light grey patchy moderate strong SIL of mudstone LST over < 3 m zones, separated by weak SIL to unsilicified LST.									SIL	m									
			159.37	201.37	42.00	LST	FOS		Light grey FG to MG wackestone to packstone layers within LST which are significantly more FOS rich than surrounding LST occur over 5 to 20 cm. Crinoids only identifiable fossil. Often bounded by thin black seams on contacts, and show slight coarsening of clasts down hole. Occur ~ 1 per m, particularly dominant in last 4 m.																			

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			187.03	202.25	15.22	LST			black FG layers and zones significantly less calcareous or non-calcareous, interlayered with mudstone and packstone LST layers. Weakly SIL VOL/ARG? Locally altered orange brown in thin layers.									SIL	w								
			202.25	202.80	0.55	LST	tBX		Light green grey calcareous matrix with up to 1 cm long subangular dark grey calcareous clasts which coarsen down interval. No distinguishable fossils.																		
			202.80	206.28	3.48	LST	VOL		Medium grey strong MBL LST, interlayered with FG black to medium green grey weakly calcareous VOL and hematitic red layers. Interval ~ 60% MBL LST. Layers define FO.	FO	65							MBL	s								
206.28	211.66	5.38				VOL	AMG		Light green or blue grey, locally altered light orange, very amygdaloidal VOL, with milky white and clear calcareous amygdules. VOL moderate to strong SER altered and moderate CHL altered, with local SIL. Trace Po through interval . uCN very irregular with SIL, SER, and Ca/DOL VT.									SER	ms			t					
																		CHL	m								
211.66	213.11	1.45				LST	MBL		Medium grey strong MBL LST, with thin black, buff, and orange brown VOL rich layers defining FO which are weakly to non-calcareous. uCN follows FO, lCN gradational.	FO	55							MBL	s								
213.11	222.50	9.39				LEP	SER		Light grey and green grey with local dark grey and light orange, intensely calcareous VOL (LEP) with intense SER. Trace Py throughout, locally OX. Zones of moderate strong OX < 3 m. Dark blue non-calcareous clasts < 3 cm through first 2 m. Thin dendritic mineral in SER altered zone possibly CHL.						m			SER	i	t							
			217.24	222.50	5.26	LEP	OX		Light orange OX LEP, extremely calcareous with FG disseminated OX spots, likely Py, and 2 cm thick zone of FG Py as rim on FX. Orange brown gritty intense OX zones < 10 cm long remain calcareous. Decreasing OX toward lCN.						s					t							
222.50	225.00	2.50				FLT	GRT		Green brown , orange brown, and black, clay to rubble, predominantly grit. Weakly calcareous locally.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								PHOTO
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
225.00	249.02	24.02				LST	DOL		Light buff to dark grey variably intensely DOL and SIL LST, commonly DOL cBX which is locally overprinted by SIL. Weak OX on FX locally.					s				SIL	ms									
			225.00	234.70	9.70	LST	DOL	cBX	Light to dark grey, locally with yellow tint, intense cBX intense DOL LST. Local intense SIL, strong overall. Very broken with orange brown grainy alteration on FX and through zones < 50 cm. cBX texture overprinted by SIL, medium to very dark grey. cBX often incorporates thicker ~ 0.5 cm seams of black Qz with thin cBX seams. Sharp uCN and lCN.					i		f		SIL	s									
			234.70	238.20	3.50	LST	SIL		Dark grey VOL rich strong to intense DOL and SIL LST, with weak orange brown alteration in VOL layers. FO regular for first 15 cm, then becomes irregular, becoming intense SIL. Intensely SIL zone followed by intense DOL cBX LST. Layering then repeats itself starting at 236.91. Possibly two debris flows? Have fuchsite layers in irregularly FO zones.					s		w		SIL	s									
			238.20	249.02	10.82	LST	DOL	cBX	Light buff to medium grey intense DOL LST, locally strong SIL. Medium grey patches with indistinct rims remnant from sBX. Thin Dark grey to black Qz VT appear to link with thin overprinted grey cBX seams. Thin black irregular soft seams with orange brown alteration on rims common. Very broken, with increasing orange brown OX on FX down interval. Trace OX MX beginning ~ 246 m. Last 2 m are rubble to grit.					i				SIL	m									
			239.24	239.43	0.19	LST	SIL		Thin < 20 cm interval of increased SIL, decreased DOL. Medium grey, with variably grey clasts and irregular uCN with black and orange brown soft seams on contact. Grades back into intense DOL.									SIL	s									
									239.43 m: E.O.H. - The hole ended because the target depth was reached.																			

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: KT-10-01

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
82.30	85.34	3.04	LST	OX	3.04	100	I077373	81	<0.01	0.07	11	0.25	
85.34	88.39	3.05	LST	OX	2.95	97	I077374	81	<0.01	0.08	35	0.36	
88.39	91.44	3.05	LST	OX	2.98	98	I077375	81	0.01	0.10	14	0.30	
91.44	94.49	3.05	LST	OX	2.90	95	I077376	81	<0.01	0.10	23	0.49	
94.49	100.58	6.09	LST	OX	2.97	49	I077377	81	0.01	0.13	25	0.50	
100.58	103.63	3.05	LST	OX	2.55	84	I077378	81	<0.01	0.76	31	0.43	
103.63	106.68	3.05	LST	OX	2.72	89	I077380	81	<0.01	0.29	25	0.50	
106.68	109.73	3.05	LST	OX	2.67	88	I077381	81	0.01	0.14	40	0.41	
109.73	112.78	3.05	LST	OX	2.91	95	I077382	81	<0.01	0.12	24	0.42	
211.66	213.11	1.45	LST	MBL	1.43	99	I077410	82	<0.01	0.15	15	0.05	
213.11	216.00	2.89	LEP	SER	2.82	98	I077411	82	<0.01	0.13	18	0.03	
213.11	216.00	2.89	LEP	SER	2.82	98	I077412	82	<0.01	0.11	43	0.02	Duplicate
216.00	219.00	3.00	LEP	SER	2.94	98	I077413	82	<0.01	0.09	22	0.03	
219.00	220.00	1.00	LEP	SER	0.81	81	I077414	82	<0.01	0.10	26	0.04	
220.00	222.50	2.50	LEP	SER	1.17	47	I077415	82	<0.01	0.20	62	0.02	
222.50	225.55	3.05	FLT		0.52	17	I077416	82	0.09	4.53	812	0.53	
225.55	228.69	3.14	LST	DOL	2.89	92	I077418	82	<0.01	0.23	7	0.05	
-	-	-	-	-	-	-	I077379	81	1.33	0.56	80	1.22	Standard ROS-2
-	-	-	-	-	-	-	I077383	81	<0.01	<0.01	<5	0.04	Blank BTW
-	-	-	-	-	-	-	I077417	82	<0.01	0.01	5	0.07	Blank BTW

GEOTECHNICAL LOG

HOLE: KT-10-01

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
0.00	4.57	4.57	0.08	2	0.00	0	ms	sw		
4.57	6.09	1.52	0.99	65	0.22	14	ms	sw		
6.09	9.14	3.05	2.95	97	1.23	40	ms	sw		
9.14	12.19	3.05	2.98	98	1.49	49	ms	sw		
12.19	15.24	3.05	2.86	94	1.89	62	ms	sw		
15.24	18.29	3.05	2.96	97	2.30	75	ms	fr		
18.29	21.34	3.05	3.00	98	2.30	75	ms	fr		
21.34	24.38	3.04	2.98	98	1.72	57	ms	fr		
24.38	27.43	3.05	3.05	100	1.26	41	ms	fr		
27.43	30.48	3.05	2.92	96	2.78	91	ms	fr		
30.48	33.53	3.05	2.98	98	0.36	12	ms	fr		
33.53	36.58	3.05	3.02	99	1.35	44	ms	fr		
36.58	39.62	3.04	2.96	97	1.26	41	ms	fr		
39.62	42.67	3.05	2.98	98	1.54	50	ms	fr		
42.67	45.72	3.05	2.90	95	1.15	38	ms	fr		
45.72	48.77	3.05	2.97	97	1.97	65	ms	fr		
48.77	51.82	3.05	3.02	99	2.26	74	ms	fr		
51.82	54.86	3.04	2.97	98	2.70	89	ms	fr		
54.86	57.91	3.05	2.89	95	1.11	36	ms	fr		
57.91	60.96	3.05	3.05	100	2.77	91	ms	fr		
60.96	64.01	3.05	3.04	100	2.89	95	ms	fr		
64.01	67.06	3.05	3.01	99	2.39	78	ms	fr		
67.06	70.10	3.04	2.99	98	2.61	86	ms	fr		
70.10	73.15	3.05	2.97	97	2.77	91	ms	fr		
73.15	76.20	3.05	2.91	95	1.97	65	ms	fr		
76.20	79.25	3.05	3.05	100	2.22	73	ms	fr		
79.25	82.30	3.05	2.98	98	0.93	30	ms	fr		
82.30	85.34	3.04	3.04	100	1.50	49	ms	fr		
85.34	88.39	3.05	2.95	97	1.04	34	ms	fr		
88.39	91.44	3.05	2.98	98	1.39	46	ms	fr		
91.44	94.49	3.05	2.90	95	1.59	52	ms	fr		
94.49	97.54	3.05	2.97	97	0.77	25	ms	fr		
97.54	100.58	3.04	2.27	75	0.65	21	ms	fr		
100.58	103.63	3.05	2.55	84	0.84	28	ms	fr		
103.63	106.68	3.05	2.72	89	0.86	28	ms	fr		
106.68	109.73	3.05	2.67	88	0.87	29	ms	fr		
109.73	112.78	3.05	2.91	95	0.81	27	ms	fr		
112.78	115.82	3.04	3.03	100	2.15	71	ms	fr		
115.82	118.87	3.05	2.97	97	1.34	44	ms	fr		
118.87	121.92	3.05	3.01	99	1.86	61	ms	fr		
121.92	124.97	3.05	2.96	97	2.44	80	ms	fr		
124.97	128.02	3.05	3.02	99	2.30	75	ms	fr		
128.02	131.06	3.04	3.04	100	2.73	90	ms	fr		
131.06	134.11	3.05	3.03	99	2.51	82	ms	fr		
134.11	137.16	3.05	3.04	100	2.70	89	ms	fr		
137.16	140.21	3.05	3.05	100	2.80	92	ms	fr		
140.21	143.26	3.05	3.05	100	2.86	94	ms	fr		
143.26	146.30	3.04	3.04	100	2.92	96	ms	fr		
146.30	149.35	3.05	3.05	100	2.91	95	ms	fr		
149.35	152.40	3.05	3.05	100	2.92	96	ms	fr		
152.40	155.45	3.05	3.05	100	2.94	96	ms	fr		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
155.45	158.50	3.05	3.05	100	3.02	99	ms	fr		
158.50	161.54	3.04	3.04	100	2.84	93	ms	fr		
161.54	164.59	3.05	3.05	100	3.02	99	ms	fr		
164.59	167.64	3.05	3.02	99	2.44	80	ms	fr		
167.64	170.69	3.05	3.05	100	2.33	76	ms	fr		
170.69	173.74	3.05	3.05	100	2.35	77	ms	fr		
173.74	176.78	3.04	3.04	100	2.57	85	ms	fr		
176.78	179.83	3.05	3.05	100	2.35	77	ms	fr		
179.83	182.88	3.05	3.05	100	2.82	92	ms	fr		
182.88	185.93	3.05	3.05	100	3.05	100	ms	fr		
185.93	188.98	3.05	2.94	96	2.90	95	ms	fr		
188.98	192.02	3.04	3.04	100	2.24	74	ms	fr		
192.02	195.07	3.05	3.05	100	2.73	90	ms	fr		
195.07	198.12	3.05	3.05	100	2.22	73	ms	fr		
198.12	201.17	3.05	3.05	100	2.78	91	ms	fr		
201.17	204.22	3.05	3.05	100	2.79	91	ms	fr		
204.22	207.26	3.04	3.04	100	3.04	100	ms	fr		
207.26	210.31	3.05	3.05	100	2.98	98	ms	fr		
210.31	213.36	3.05	3.05	100	2.84	93	ms	sw		
213.36	216.41	3.05	3.05	100	3.02	99	ms	sw		
216.41	219.46	3.05	3.04	100	2.66	87	ms	sw		
219.46	222.50	3.04	1.90	63	0.44	14	ms	sw		
222.50	225.55	3.05	0.52	17	0.00	0	vw	ew		
225.55	228.60	3.05	2.89	95	1.04	34	ms	fr		
228.60	231.65	3.05	2.85	93	1.20	39	ms	sw		
231.65	234.70	3.05	2.87	94	2.53	83	ms	sw		
234.70	237.74	3.04	3.04	100	1.39	46	ms	sw		
237.74	240.79	3.05	2.68	88	2.02	66	ms	sw		
240.79	243.84	3.05	2.81	92	0.57	19	ms	sw		
243.84	246.89	3.05	2.80	92	0.50	16	ms	hw		
246.89	249.02	2.13	1.15	54	0.00	0	ms	hw		E.O.H.

MAGNETIC SUSCEPTIBILITY LOG

HOLE: KT-10-01

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00			n/a	
2.00			n/a	
3.00			n/a	
4.00			n/a	
5.00	LST		1.08	
6.00	LST		1.61	
7.00	LST		1.18	
8.00	LST		1.06	
9.00	LST		0.28	
10.00	LST		0.43	
11.00	LST		0.00	
12.00	LST		0.41	
13.00	LST		0.20	
14.00	LST		0.00	
15.00	LST		0.00	
16.00	LST		0.00	
17.00	LST		1.28	
18.00	LST		0.57	
19.00	LST		0.16	
20.00	LST		0.41	
21.00	LST		0.00	
22.00	LST		1.14	
23.00	LST		0.00	
24.00	LST		0.12	
25.00	LST		2.50	
26.00	LST		1.25	
27.00	LST		0.00	
28.00	LST		1.10	
29.00	LST		0.22	
30.00	LST		0.48	
31.00	LST		0.28	
32.00	LST		0.77	
33.00	LST		1.12	
34.00	LST		0.86	
35.00	LST		0.00	
36.00	LST		0.36	
37.00	LST		0.00	
38.00	LST		2.13	
39.00	LST		0.04	
40.00	LST		0.00	
41.00	LST		3.77	
42.00	LST		0.00	
43.00	LST		1.12	
44.00	LST		0.28	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	LST		0.20	
46.00	LST		1.84	
47.00	LST		0.00	
48.00	LST		0.71	
49.00	LST		0.12	
50.00	LST		2.52	
51.00	LST		0.18	
52.00	LST		1.04	
53.00	LST		1.12	
54.00	LST		2.05	
55.00	LST		0.14	
56.00	LST		0.00	
57.00	LST		0.41	
58.00	LST		1.80	
59.00	LST		0.16	
60.00	LST		0.00	
61.00	LST		1.51	
62.00	LST		0.00	
63.00	LST		1.88	
64.00	LST		1.80	
65.00	LST		0.24	
66.00	LST		1.45	
67.00	LST		0.41	
68.00	LST		0.02	
69.00	LST		1.00	
70.00	LST		1.37	
71.00	LST		0.00	
72.00	LST		1.00	
73.00	LST		1.92	
74.00	LST		1.12	
75.00	LST		1.27	
76.00	LST		0.77	
77.00	LST		0.38	
78.00	LST		0.90	
79.00	LST		0.59	
80.00	LST		0.06	
81.00	LST		0.20	
82.00	LST		0.00	
83.00	LST		0.06	
84.00	LST		0.10	
85.00	LST		0.02	
86.00	LST		0.24	
87.00	LST		0.34	
88.00	LST		0.00	
89.00	LST		1.20	
90.00	LST		0.49	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	LST		0.53	
92.00	LST		0.12	
93.00	LST		0.00	
94.00	LST		1.08	
95.00	LST		0.00	
96.00	LST		0.79	
97.00	LST		0.57	
98.00	LST		0.00	
99.00	LST		1.23	
100.00	LST		0.00	
101.00	LST		0.00	
102.00	LST		0.08	
103.00	LST		0.30	
104.00	LST		0.00	
105.00	LST		0.69	
106.00	LST		0.12	
107.00	LST		0.00	
108.00	LST		0.08	
109.00	LST		0.08	
110.00	LST		1.76	
111.00	LST		1.57	
112.00	LST		0.00	
113.00	LST		0.04	
114.00	LST		2.33	
115.00	LST		0.00	
116.00	LST		3.07	
117.00	LST		0.41	
118.00	LST		1.76	
119.00	LST		0.00	
120.00	LST		0.14	
121.00	LST		1.78	
122.00	LST		0.00	
123.00	LST		0.00	
124.00	LST		0.84	
125.00	LST		0.00	
126.00	LST		1.76	
127.00	LST		0.59	
128.00	LST		0.92	
129.00	LST		0.88	
130.00	LST		0.28	
131.00	LST		0.26	
132.00	LST		0.39	
133.00	LST		1.12	
134.00	LST		1.35	
135.00	LST		0.00	
136.00	LST		1.37	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	LST		2.13	
138.00	LST		0.45	
139.00	LST		0.53	
140.00	LST		0.49	
141.00	LST		0.75	
142.00	LST		0.61	
143.00	LST		2.00	
144.00	LST		1.08	
145.00	LST		1.20	
146.00	LST		0.55	
147.00	LST		0.00	
148.00	LST		0.00	
149.00	LST		0.22	
150.00	LST		0.24	
151.00	LST		0.00	
152.00	LST		1.39	
153.00	LST		0.00	
154.00	LST		0.67	
155.00	LST		0.00	
156.00	LST		0.00	
157.00	LST		0.36	
158.00	LST		0.26	
159.00	LST		1.74	
160.00	LST		0.00	
161.00	LST		0.14	
162.00	LST		0.02	
163.00	LST		0.84	
164.00	LST		0.00	
165.00	LST		0.00	
166.00	LST		0.59	
167.00	LST		0.06	
168.00	LST		0.10	
169.00	LST		0.63	
170.00	LST		0.00	
171.00	LST		1.53	
172.00	LST		0.08	
173.00	LST		0.18	
174.00	LST		1.12	
175.00	LST		0.00	
176.00	LST		0.18	
177.00	LST		0.88	
178.00	LST		0.00	
179.00	LST		0.53	
180.00	LST		0.00	
181.00	LST		0.06	
182.00	LST		0.24	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00	LST		0.55	
184.00	LST		0.61	
185.00	LST		0.00	
186.00	LST		0.57	
187.00	LST		0.00	
188.00	LST		0.18	
189.00	LST		0.06	
190.00	LST		0.38	
191.00	LST		0.00	
192.00	LST		0.53	
193.00	LST		0.38	
194.00	LST		0.00	
195.00	LST		0.04	
196.00	LST		0.00	
197.00	LST		0.22	
198.00	LST		0.47	
199.00	LST		0.45	
200.00	LST		0.94	
201.00	LST		0.00	
202.00	LST		0.38	
203.00	LST		2.87	
204.00	LST		0.00	
205.00	LST		1.45	
206.00	LST		0.88	
207.00	VOL	AM	0.77	
208.00	VOL	AM	0.23	
209.00	VOL	AM	0.57	
210.00	VOL	AM	0.14	
211.00	VOL	AM	0.73	
212.00	LST	MBL	0.00	
213.00	LST	MBL	1.64	
214.00	LEP	SER	0.00	
215.00	LEP	SER	1.02	
216.00	LEP	SER	0.54	
217.00	LEP	SER	0.30	
218.00	LEP	SER	0.51	
219.00	LEP	SER	1.29	
220.00	LEP	SER	1.59	
221.00	LEP	SER	5.92	
222.00	LEP	SER	0.08	
223.00	FLT		0.36	
224.00	FLT		0.00	
225.00	FLT		0.00	
226.00	LST	DOL	0.00	
227.00	LST	DOL	12.80	
228.00	LST	DOL	5.82	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
229.00	LST	DOL	0.00	
230.00	LST	DOL	0.00	
231.00	LST	DOL	0.00	
232.00	LST	DOL	1.55	
233.00	LST	DOL	1.69	
234.00	LST	DOL	7.95	
235.00	LST	DOL	0.00	
236.00	LST	DOL	0.00	
237.00	LST	DOL	3.77	
238.00	LST	DOL	0.00	
239.00	LST	DOL	0.00	
240.00	LST	DOL	2.46	
241.00	LST	DOL	1.14	
242.00	LST	DOL	0.86	
243.00	LST	DOL	10.40	
244.00	LST	DOL	0.00	
245.00	LST	DOL	1.29	
246.00	LST	DOL	3.17	
247.00	LST	DOL	0.00	
248.00	LST	DOL	0.00	
249.00	LST	DOL	0.00	E.O.H.

DENSITY LOG

HOLE: KT-10-01

Depth (m)	Unit	Modifier	Texture	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
				Py %	As %	Other	%							
12.50	LST	FOS							14.8	4.2	549.5	350.7	2.73	2.76
48.77	LST	FOS	BN						15.0	4.2	562.7	356.4	2.76	2.73

BOX LOG

HOLE: KT-10-01

BOX	FROM (m)	TO (m)
1	4.51	10.13
2	10.13	15.45
3	15.45	20.75
4	20.75	26.05
5	26.05	31.00
6	31.00	36.58
7	36.58	41.93
8	41.93	47.23
9	47.23	52.91
10	52.91	58.58
11	58.58	64.18
12	64.18	69.73
13	69.73	75.43
14	75.43	80.89
15	80.89	86.40
16	86.40	91.99
17	91.99	97.54
18	97.54	103.66
19	103.66	109.83
20	109.83	115.63
21	115.63	121.10
22	121.10	126.50
23	126.50	131.89
24	131.89	137.48
25	137.48	143.26
26	143.26	148.61
27	148.61	154.27
28	154.27	159.95
29	159.95	165.25
30	165.25	170.69
31	170.69	176.01
32	176.01	181.51
33	181.51	187.03
34	187.03	192.69
35	192.69	198.12

BOX	FROM (m)	TO (m)
36	198.12	203.84
37	203.84	209.33
38	209.33	214.99
39	214.99	220.59
40	220.59	229.31
41	229.31	234.51
42	234.51	237.74
43	237.74	243.29
44	243.29	249.02
249.02 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
		518485	7121656		39.62

ZONE: Now

SECTION:

HOLE: **NW-10-01**

CLAIM:

Contractor: Beaudoin

Drill: 4

Core size: BTW

Casing depth: 4.57 m out

Drilling dates: August 29-31, 2010

Geology logged by: A. Mitchell

TARGET:

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	45	-50.0	compass				

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	12.19	12.19	OVB	
12.19	16.28	4.09	SHL	Fissile, weakly Fo, moderately calcarious SHL
16.28	39.62	23.34	OX	Intermittant OX and intensily DOL LST, t PY, f Si, t C
39.62	E.O.H.			

SAMPLES

Numbers: J980802-J980811

Total: 10

Batch: 1

Date Sent: September 13, 2010

Certificate: VA10132858

COMMENTS

The hole was lost.

GEOLOGY LOG

HOLE: NW-10-01

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	12.19	12.19				OVB			Overburden - no recovery																		
12.19	16.28	4.09				SHL			Black to dark grey, vFG to FG, fissile, weakly Fo, moderately calcareous SHL. Intermittent rubbly Qz VN/section (~8cm). Disseminated Qz fragments ~1mm-1.5cm within SHL unit. SHL unit is competent to gritty. FX locally oxidized. Too rubbly to determine Fo angle. Moderately calcareous stringers near top of interval variably oxidized (orange rusty color).							t										
16.28	39.62	23.34				OX	LST		Medium orange to buff, FG to MG intensely dolomitized LST, strongly OX, with weak Py, fair Si, and trace Qz. ~30% intensely dolomitized LST and 70% OX. Buff to light grey FG to MG zones of intensely dolomitized LST with weak subhedral to anhedral FG-MG (~0.5mm-5mm) Py disseminated through out. FG to MG Si euhedral to subhedral crystals found along FX. OX zones are strongly pitted with some pits forming FG cubes (Py?) ~1 mm and other well rounded pits. Some vug like pits. FG to CG euhedral to subhedral Si disseminated through out and found along FX. Lack of Py within OX zones. Intermittent zones of competent, to rubbly, to gritty OX, with intermittent intensely dolomitized LST throughout.					i		s	f			w			Qz	t				
			20.86						~1.5 mm DOL VT	VT	45																
			22.39						Intensely calcareous dark red VT (Si?) ~1 mm	VT	50																
			24.56						Intensely calcareous dark red VT (Si?) ~0.5 mm	VT	50																
			37.44	37.73	0.29	OX	SND		Light to medium brown, vFG to FG sand. FG irregular Qz clasts pervasive throughout as ~ 15% o interval.																			
									39.62 m: E.O.H. - The hole was lost.																			

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: NW-10-01

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
12.19	15.24	3.05	SHL		2.14	70	J980802	1					
15.24	18.28	3.04	SHL		1.89	62	J980803	1					
18.28	21.33	3.05	OX	LST	2.82	92	J980804	1					
21.33	24.38	3.05	OX	LST	3.04	100	J980805	1					
24.38	27.43	3.05	OX	LST	3.60	118	J980806	1					
27.43	30.48	3.05	OX	LST	2.58	85	J980807	1					
-	-	-	-	-	-	-	J980808	1					Blank (BTW)
30.48	33.53	3.05	OX	LST	2.15	70	J980809	1					
33.53	36.58	3.05	OX	LST	0.60	20	J980810	1					
36.58	39.62	3.04	OX	LST	2.79	92	J980811	1					

GEOTECHNICAL LOG

HOLE: NW-10-01

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
12.19	15.24	3.05	2.14	70	0.00	0	vw	hw	7.5YR 2.5/1	
15.24	18.28	3.04	1.89	62	0.00	0	vw	hw	7.5YR 2.5/1 7.5YR4/6	
18.28	21.33	3.05	2.82	92	1.09	36	w	hw	7.5YR 5/6	
21.33	24.38	3.05	3.04	100	1.28	42	w	hw	5YR4/4	
24.38	27.43	3.05	2.60	85	0.65	21	vw	hw	5YR3/3	
27.43	30.48	3.05	2.58	85	0.13	4	vw	hw	5YR3/3	
30.48	33.53	3.05	2.15	70	0.51	17	vw	hw	5YR5/6	
33.53	36.58	3.05	0.60	20	0.00	0	vw	hw	7.5YR5/6	
36.58	39.62	3.04	2.79	0	0.00	0	vw	hw	7.5YR5/6	

MAGNETIC SUSCEPTIBILITY LOG

HOLE: NW-10-01

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00			Na	
2.00			Na	
3.00			Na	
4.00			Na	
5.00			Na	
6.00			Na	
7.00			Na	
8.00			Na	
9.00			Na	
10.00			Na	
11.00			Na	
12.00			Na	
13.00	SHL		1.88	
14.00	SHL		1.61	
15.00	SHL		0.67	
16.00	SHL		1.14	
17.00	OX	LST	0.96	
18.00	OX	LST	1.68	
19.00	OX	LST	3.66	
20.00	OX	LST	1.49	
21.00	OX	LST	5.76	
22.00	OX	LST	2.02	
23.00	OX	LST	1.12	
24.00	OX	LST	2.29	
25.00	OX	LST	1.23	
26.00	OX	LST	1.16	
27.00	OX	LST	0.00	
28.00	OX	LST	3.79	
29.00	OX	LST	1.80	
30.00	OX	LST	1.39	
31.00	OX	LST	1.29	
32.00	OX	LST	1.66	
33.00	OX	LST	1.33	
34.00	OX	LST	1.98	
35.00	OX	LST	0.00	
36.00	OX	LST	5.51	
37.00	OX	LST	0.86	
38.00	OX	LST	1.68	
39.00	OX	LST	0.94	E.O.H.

DENSITY LOG

HOLE: NW-10-01

Depth (m)	Unit	Modifier	Texture	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
				Py %	As %	Other	%							
20.97	LST	DOL		t					14.6	4.2	578.7	378.8	2.92	2.89
25.83	LST	DOL		w					14.7	4.2	585.8	382.9	2.93	2.89

BOX LOG

HOLE: NW-10-01

BOX	FROM (m)	TO (m)
1	12.19	18.66
2	18.66	24.09
3	24.09	28.70
4	28.70	35.25
5	35.25	39.62
39.62 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
		518485	7121656		67.06

ZONE: Now

SECTION:

HOLE: NW-10-02

CLAIM:

Contractor: Beaudoin

Drill: 4

Core size: BTW

Casing depth: 32 m in

Drilling dates: August 31- September 1, 2010

Geology logged by: J. McDivitt

TARGET:

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	45	-55.0	compass				

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	21.00	21.00	OVB	
21.00	50.15	29.15	LST	Intense OX
50.15	67.06	16.91	SHL	Moderate strong OX
67.06	E.O.H.			

SAMPLES

Numbers: J980812-J980827

Total: 16

Batch: 1

Date Sent: September 13 2010

Certificate: VA10132858

COMMENTS

The hole was lost. Rods stuck in hole.

GEOLOGY LOG

HOLE: NW-10-02

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	21.00	21.00				OVB			Overburden - No recovery. Had to advance to 21.0C m in front of casing.																		
21.00	50.15	29.15				LST	OX		Rusty brown to light yellow, and light grey, intensley dolomitized LST with intense oxidation on FX and through sections of clay to core. Quartz veinining and rubble within oxide common. FG anhedral Py found throughout LST, most prevalent in strongly oxidized zones with sub-cubic pitting, likely from oxidation of Py.					i		i				w							
									A 8cm wide quartz vein housing trace Py is present at 22.85 m.	VN	10																
50.15	67.06	16.91				SHL	OX		Black to dark brown variably weathered SHL. The upper portion of the unit appears black, compatent, fissile, and pitted. The unit then grades into a more weathered dark brown variably oxidized section exhibiting a platy cleavage. Some of the pits in the upper section of the interval are filled with orange brown oxide material. trace tarnished FG Py crystals occure on rare fractures.							ms				t							
									67.06 m: E.O.H. - The hole was lost.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: NW-10-02

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
21.71	24.83	3.12	OX	LST	2.67	86	J980812	1(NW)					
24.83	30.48	5.65	OX	LST	0.93	16	J980813	1(NW)					
30.48	36.58	6.10	OX	LST	2.36	39	J980814	1(NW)					
36.58	39.62	3.04	OX	LST	1.93	63	J980815	1(NW)					
-	-	-	-	-	-	-	J980816	1(NW)					Standard ROS-1
39.62	42.67	3.05	OX	LST	2.58	85	J980817	1(NW)					
42.67	45.72	3.05	OX	LST	2.79	91	J980818	1(NW)					
45.72	48.77	3.05	OX	LST	2.61	86	J980819	1(NW)					
48.77	50.15	1.38	OX	LST	1.25	91	J980820	1(NW)					
50.15	52.22	2.07	SHL		0.92	44	J980821	1(NW)					
52.22	54.86	2.64	SHL		2.05	78	J980822	1(NW)					
-	-	-	-	-	-	-	J980823	1(NW)					Blank BTW
54.86	57.91	3.05	SHL	OX	1.36	45	J980824	1(NW)					
57.91	60.96	3.05	SHL	OX	2.30	75	J980825	1(NW)					
60.96	64.01	3.05	SHL	OX	1.73	57	J980826	1(NW)					
64.01	67.06	3.05	SHL	OX	1.31	43	J980827	1(NW)					

GEOTECHNICAL LOG

HOLE: NW-10-02

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
21.00	24.38	3.38	3.38	100	1	36	ms	mw		had to advance infront of casing
24.38	27.43	3.05	0.65	21	0.00	0	w	hw		
27.43	30.48	3.05	0.28	9	0.00	0	w	hw		
30.48	33.53	3.05	1.25	41	0.21	7	ms	mw		
33.53	36.58	3.05	1.11	36	0.00	0	w	ew		
36.58	39.62	3.04	1.93	63	0.00	0	w	hw		
39.62	42.67	3.05	2.58	85	0.00	0	w	hw		
42.67	45.72	3.05	2.79	91	0.39	13	w	hw		
45.72	48.77	3.05	2.61	86	0.95	31	ms	mw		
48.77	51.82	3.05	1.95	64	0.12	4	w	hw		
51.82	54.86	3.04	2.10	69	0.37	12	ms	mw		
54.86	57.91	3.05	1.46	48	0.00	0	ms	hw		
57.91	60.96	3.05	2.24	73	0.70	23	ms	hw		
60.96	64.01	3.05	1.88	62	0.11	4	w	hw		
64.01	67.06	3.05	1.32	43	0.00	0	w	hw		

MAGNETIC SUSCEPTIBILITY LOG

HOLE: NW-10-02

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	LST	OX	N/A	
2.00	LST	OX	N/A	
3.00	LST	OX	N/A	
4.00	LST	OX	N/A	
5.00	LST	OX	N/A	
6.00	LST	OX	N/A	
7.00	LST	OX	N/A	
8.00	LST	OX	N/A	
9.00	LST	OX	N/A	
10.00	LST	OX	N/A	
11.00	LST	OX	N/A	
12.00	LST	OX	N/A	
13.00	LST	OX	N/A	
14.00	LST	OX	N/A	
15.00	LST	OX	N/A	
16.00	LST	OX	N/A	
17.00	LST	OX	N/A	
18.00	LST	OX	N/A	
19.00	LST	OX	N/A	
20.00	LST	OX	N/A	
21.00	LST	OX	0.00	
22.00	LST	OX	1.00	
23.00	LST	OX	0.63	
24.00	LST	OX	4.98	
25.00	LST	OX	2.60	
26.00	LST	OX	2.87	
27.00	LST	OX	0.61	
28.00	LST	OX	0.55	
29.00	LST	OX	1.25	
30.00	LST	OX	0.18	
31.00	LST	OX	0.00	
32.00	LST	OX	0.98	
33.00	LST	OX	0.00	
34.00	LST	OX	0.28	
35.00	LST	OX	0.02	
36.00	LST	OX	0.00	
37.00	LST	OX	0.28	
38.00	LST	OX	0.30	
39.00	LST	OX	1.06	
40.00	LST	OX	0.47	
41.00	LST	OX	0.82	
42.00	LST	OX	1.41	
43.00	LST	OX	1.76	
44.00	LST	OX	2.21	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	LST	OX	0.57	
46.00	LST	OX	1.20	
47.00	LST	OX	1.00	
48.00	LST	OX	0.45	
49.00	LST	OX	0.28	
50.00	LST	OX	0.16	
51.00	SHL	OX	0.10	
52.00	SHL	OX	0.04	
53.00	SHL	OX	0.32	
54.00	SHL	OX	0.28	
55.00	SHL	OX	0.08	
56.00	SHL	OX	0.10	
57.00	SHL	OX	0.32	
58.00	SHL	OX	0.14	
59.00	SHL	OX	0.84	
60.00	SHL	OX	0.36	
61.00	SHL	OX	1.92	
62.00	SHL	OX	0.28	
63.00	SHL	OX	0.36	
64.00	SHL	OX	0.61	
65.00	SHL	OX	1.59	
66.00	SHL	OX	0.61	
67.00	SHL	OX	0.94	E.O.H.

BOX LOG

HOLE: NW-10-02

BOX	FROM (m)	TO (m)
1	21.00	33.00
2	33.00	40.52
3	40.52	45.95
4	45.95	52.22
5	52.22	58.90
6	58.90	67.06
67.06 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
		518256	7121704		70.71

ZONE: Now

SECTION:

HOLE: NW-10-03

CLAIM:

Contractor: Beaudoin

Drill: 4

Core size: BTW

Casing depth: _____ (m) in / out

Drilling dates: September 1, 2010

Geology logged by: J. Lane, K. Wynne

TARGET:

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	45	-50.0	compass				

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	8.16	8.16	OVB	
8.16	57.91	49.75	SHL	
57.91	61.30	3.39	QZ	
61.30	70.71	9.41	SLT	Intense SIL.
70.71	E.O.H.			

SAMPLES

Numbers: J980828-J980834

Total: 7

Batch: 1

Date Sent: September 13 2010

Certificate: VA10132858

COMMENTS

The hole was lost.

GEOLOGY LOG

HOLE: NW-10-03

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	8.16					OVB			Overburden-no recovery.																		
8.16	57.91					SHL	FOS	BD	Black highly fissile vFG shale with very rare crinoid stem fragments. Thin ~ 1 mm Ca bands occur sparsely throughout. Weak vFG Py disseminated throughout (diagenetic?).	BD	70									w							
			45.72	46.92		SHL	FOS		Slightly more fossiliferous interval that is also moderately less fissile and contains a Qz/DOL vein at 85 degrees TCA that has trace iron alteration.	VN	85																
										BD	80																
			51.90	53.35		SHL	FOS		Slightly more fossiliferous interval that is moderately less fissile. Weak concentration of crinoid stem fragments up to 1 cm in diameter occur throughout.	BD	75																
			55.00	57.80		SHL	FOS		Fine grained black shale with 20% pits/dolomite crystals giving corroded appearance, matrix supported, along with weak to fair concentration of crinoid fragments up to 0.5 cm in diameter.																		
			57.80	57.91		SHL			Light orange, Very porous OX SHL, with light green platy sheen on some surfaces (SER?).																		
57.91	61.30					Qz			Milky white massive Qz, CG, with local orange OX on fracture surfaces near uCN and lCN. Very broken.																		
61.30	70.71					SLT	SIL		Light blue grey intensely SIL siltstone, with local Qz VT lacking defined edges. MG DOL growth crystals disseminated through interval, locally concentrated to form light buff intense DOL zone. Trace disseminated Py FG to CG through interval. FX and zones < 15 cm of intense OX, moderate strong overall. Very broken interval.							ms			t							
			70.30	70.50		FLT?			Light grey clay; possible fault?																		
									70.71 m: E.O.H. - The hole was lost.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: NW-10-03

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
51.82	54.86	3.04				0	J980828	1					
54.86	57.71	2.85				0	J980829	1					
57.91	60.96	3.05				0	J980830	1					
60.96	64.01	3.05				0	J980831	1					
64.01	67.06	3.05				0	J980832	1					
-	-	-	-	-	-	-	J980833	1					Standard ROS-4
67.06	70.10	3.04				0	J980834	1					

GEOTECHNICAL LOG

HOLE: NW-10-03

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
0.00	9.14	9.14	0.82	9	0.00	0	vs	mw		
9.14	12.19	3.05	1.31	43	0.00	0	vs	mw		
12.19	18.29	6.10	0.94	15	0.00	0	vs	mw		casing to 60
18.29	21.34	3.05	1.40	46	0.00	0	vs	mw		
21.34	24.38	3.04	1.90	63	0.00	0	vs	mw		
24.38	27.43	3.05	1.81	59	0.00	0	vs	mw		
27.43	30.48	3.05	1.95	64	0.00	0	vs	mw		
30.48	33.53	3.05	2.10	69	0.00	0	vs	mw		
33.53	36.58	3.05	2.40	79	0.00	0	vs	mw		
36.58	39.62	3.04	2.10	69	0.00	0	vs	mw		
39.62	42.67	3.05	1.56	51	0.00	0	vs	mw		
42.67	45.72	3.05	2.32	76	0.00	0	vs	mw		
45.72	48.77	3.05	2.47	81	0.84	28	vs	mw		
48.77	51.82	3.05	2.29	75	0.00	0	vs	mw		
51.82	54.86	3.04	2.34	77	1.08	36	vs	mw		
54.86	57.91	3.05	1.59	52	0.30	10	vs	mw		
57.91	60.96	3.05	2.97	97	0.00	0	vs	mw		
60.96	62.91	1.95	1.87	96	0.49	25	vs	mw		

MAGNETIC SUSCEPTIBILITY LOG

HOLE: NW-10-03

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00				
2.00				
3.00				
4.00				
5.00				
6.00				
7.00				
8.00				
9.00				
10.00				
11.00				
12.00				
13.00				
14.00				
15.00				
16.00				
17.00				
18.00				
19.00				
20.00				
21.00				
22.00				
23.00				
24.00				
25.00				
26.00				
27.00				
28.00				
29.00				
30.00				
31.00				
32.00				
33.00				
34.00				
35.00				
36.00				
37.00				
38.00				
39.00				
40.00				
41.00				
42.00			0.28	
43.00				
44.00				

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00				
46.00			0.69	
47.00				
48.00				
49.00				
50.00				
51.00				
52.00			1.00	
53.00				
54.00				
55.00				
56.00				
57.00			0.43	
58.00				
59.00				
60.00				
61.00			0.02	
62.00			0.32	
63.00				
64.00				
65.00				
66.00				
67.00				
68.00				
69.00				
70.00				E.O.H.

DENSITY LOG

HOLE: NW-10-03

Depth (m)	Unit	Modifier	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
			Py %	As %	Other	%							
52.80	SHL		t					13.0	4.2	491.1	310.7	2.78	2.72
61.98	DOL		w					9.7	4.2	378.4	245.4	2.87	2.85

BOX LOG

HOLE: NW-10-03

BOX	FROM (m)	TO (m)
1	0.00	21.20
2	21.20	27.24
3	27.24	31.45
4	31.45	37.50
5	37.20	44.52
6	44.52	50.66
7	50.66	57.57
8	57.57	62.91
9	62.91	70.71
70.71 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
9+600	10+050				152.40

ZONE: Ocelot

SECTION:

HOLE: OC-10-01

CLAIM:

Contractor: Beaudoin Drilling

Drill: 4

Core size: BTW

Casing depth: 3.05 m out

Drilling dates: July 17 to July 19, 2010

Geology logged by: Oliver Fu

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	195	-60	compass				

TARGET: Soil anomaly and possible extension of mineralized outcrop.

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	2.47	2.47	OVB	Overburden
2.47	24.11	21.64	VOL	Volcanic and siltstone interbeds with few cherty layers.
24.11	29.40	5.29	LST	Crackle breccia. Graphite is common on fractures.
29.40	41.26	11.86	LST	Solution collapse breccia
41.26	48.50	7.24	LST	Crackle breccia
48.50	49.12	0.62	LST	Solution collapse breccia
49.12	49.18	0.06	MX	Semi-massive galena
49.18	51.18	2.00	MX	Massive smithsonite & galena with crystalline sphalerite and blotchy pyrite.
51.18	52.40	1.22	MX	Quartz vein with massive pyrite and smithsonite.
52.40	53.35	0.95	MX	Massive galena with blotchy smithsonite and pyrite.
53.35	63.82	10.47	LST	Crackle breccia
63.82	73.71	9.89	LST	Solution collapse breccia
73.71	82.90	9.19	LST	Crackle breccia
82.90	152.40	69.50	LST	Solution collapse breccia with crackle breccia overprinting. Graphite is common on fractures.
152.40	E.O.H.			

SAMPLES

Numbers: G285350 to G285369

Total: 20

Batch: 1

Date Sent: July 23, 2010

Certificate: VA10100826

COMMENTS

The hole was ended because it was past the targeted depth.

RAU PROPERTY

GEOLOGY LOG

HOLE: OC-10-01

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Galena	Sphalerite	Pyrite	Type	Intensity	Type	Intensity	
0.00	2.47	2.47				OVB			Overburden - No recovery																		
2.47	5.59	3.12				VOL			Dark green, MG, chloritized VOL with interstitial Ca. Disseminated, euhedral Py crystals are 1-2 mm. Ca occurs as irregular shaped patches (1-4 mm), and as subrounded crystals (1-2nmm). CHL alteration decreases with depth. A few irregular shaped cherty clasts (10-30 cm) occur between 8.41-8.88 m with a light banded SER matrix. The lower contact is diffuse.						w		CHL	ms			w					
5.59	6.20	0.61				VOL			Buff, FG, porous VOL with interstitial Ca. The lower contact is moderately sharp at 40 deg TCA. Euhedral 1-5 mm Py crystals are abundant adjacent to the lCN.	ICN	40					w											
6.20	12.06	5.86				SLT			Grey, porous SLT with compositional banding and shear related fractures. Pores are <1 mm , 20% are filled with a black BIT. Vuggy areas are paler and bleached. Oxide-filled compositional banding at 40 deg. Some shear FX have undergone oxidation and are oblique to the compositional banding. Numerous Py-rich veinlets (1-3 mm), and blebs occur adjacent to and within oxidized FX; sparse hematitic staining also coats fractured surfaces.	BN	40					m							w			He	w	
			8.45	9.10	0.65	CHT			Black CHT with sheared oxidized fractures and disseminated <1 mm Py blebs.													t					
			9.10	12.06	2.96	SLT			SLT without porosity and Py. Oblique oxidized shear fractures have a preferential orientation of 20 deg TCA.	FX	22					f										
12.06	14.38	2.32				VOL			Light brown, FG, strongly OX VOL. Matrix is porous, oxidized, and altered with iron-rich compositional banding at 45 deg.							s										
14.38	16.46	2.08				SLT			Light grey interbedded layers of SLT and black CHT 1-2 mm Qz VT's contain oxidized borders.																		
16.46	20.73	4.27				VOL		AM	FG, buff green VOL with iron-rich and dolomitic <1 - 1 mm subrounded to irregular shaped amygdules with an iron stained Ca infilling between 17.90-18.10 m. Few cross-cutting oxidized 1-3 mm DOL veinlets at 30 deg TCA.	VN	30					f										

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Galena	Sphalerite	Pyrite	Type	Intensity	Type	Intensity	
20.73	21.06	0.33				VOL			Black to rusty, speckled to slightly gritting looking VOL with white lathe to subrounded 1-2 mm clasts. Sharp, highly oxidized lCN at 40 deg TCA.	lCN	40																
21.06	24.11	3.05				CHT			Black, aphanitic CHT with irregular shaped dolomitic patches Py VT's. The CHT is porous with numerous vugs. uCN is gradational between 21.08 to 21.38m and contains orange/rusty, highly oxidized and porous with a 4 mm DOL VT.																		
			22.05	22.86	0.81	VOL			Buff green, oxidized and porous VOL. Numbers VN and vugs are highly oxidized.							s										
24.11	29.40	5.29				LST	cBX		Grey to dark grey, DOL, cBX, LST with numerous cross-cutting FX (1-2 mm) with associated organics/bitumen. Abundant empty vugs (3-13 mm), although some cavities are filled with crystalline DOL, and occasionally FG Ga (?) (28.72-30.41m). Siderite is common along fractured surfaces (Dark brown to yellow). Along fracture at 24.65 m, minor Ga spotting. Dark grey LST clasts are between 1-3 mm. 1 mm to 1 cm scale stylolitic folds are scattered and common. Slickensides occur on graphitic coated FX at 28.97m .					s		m									Gn	t	
			27.06	27.43	0.37	LST	GRA		Black, massive graphitic LST with dolomitized clasts. Crumbly and earthy with sharp upper and lower CN. White angular dolomitic clasts are common and interstitial.																		
			28.18	28.27	0.09	LST	GRA		Black, massive graphiticnLST with dolomitized clasts. Crumbly and earthy with sharp upper and lower CN. White angular dolomitic clasts are common and interstitial.																		
29.40	41.26	11.86				LST	sBX		White, FG, sBX LST with intermittent layers of cBX. Siderite staining is common on FX surfaces. Few pyritic blebs occur alongside stylolitic folds. Abundant pitting, vugs are mainly filled with crystalline DOL (or FG Gn(?) at 30.48m). Vugs range in size from 4 to 25 mm.					s			t	SIL	s			t						
			30.04	30.15	0.11	LST	GRA		Black, massive graphitic LST with dolomitized clasts. Crumbly and earthy with sharp upper and lCN. White angular dolomitic clasts are common and interstitial.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other				Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Galena	Sphalerite	Pyrite	Type	Intensity	Type	Intensity	
41.26	48.50	7.24				LST	cBX	St	White to light grey, FG, bleached cBX LST with numerous stylolites. Vugs are 2-10 mm and filled with crystalline DOL. Sparry texture is common throughout. Few CG slightly dolomitized Ca crystals.					i				SIL	s									
			41.65	41.78	0.13	LST			Few well preserved bedded clasts roughly perpendicular TCA.																	
48.50	49.12	0.62				LST	sBX		Light grey to dark grey/black, FG sBX LST with minor cBX texture. Dark grey clasts are 1-4 cm and become indistinguishable towards the lower mineralized CN.					i													
			48.60	48.64	0.04	LST	GRA		Graphitic layer.																	
			48.77	48.97	0.20	LST			Silicified dark grey section with bituminous clasts (2-10 mm) surrounded by sparry minerals.	uCN	40							SIL	s							
										lCN	40															
49.12	49.18	0.06				MX			Porosity bleaching CN at ~85-90 deg., bleaching envelope is rusty orange with minor interstitial Gn. Evidence of remnant bedding (or fabric) at uCN at 52 deg.											40							
49.18	50.21	1.03				MX			Massive Sm and Gn with crystalline Sp. Minor blotchy (2-5 mm) tarnished Py crystals. Remnant bedding (or fabric) at 50 deg at 49.27 m, 30 deg at 49.33 m, 25 deg at 49.5 m, and 50 deg at 49.57 m. From 'bedding' measurements, replacement is roughly parallel to bedding. Few crystalline Qz and Carbonate vugs are present. Appears to be primary mineralization phase.										40	25		Sm	35	Py	m		
			49.18	49.28	0.10	MX			Massive Sm.														Sm	95			
			49.85	50.21	0.36	MX			Irregular shaped, semi-massive Py pods with sub massive Gn.											25					45		
50.21	51.18	0.97				MX			Buff brown, massive, FG amorphous Sm with cross-cutting tarnished Py veins. FG black and red crystalline Sp. (Crystalline Sp MX is likely due to the Zn and Fe poor environment which stripped Zn from Sm and remobilized to form Sp (black and red)). At 51.06 m, small shear zone adjacent to Sm and Py CN with slickensides at 30 deg. Highly fractured zone, but still well mineralized. Most likely a secondary mineralized (structurally controlled?) phase. Note: highly likely section was affected by incoming Qz VN with sulphides which overprinted onto primary mineralization.										w	i	25	Sm	60				

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other				Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Galena	Sphalerite	Pyrite	Type	Intensity	Type	Intensity	
51.18	52.40	1.22				MX			Qz VN with massive Py and Sm. Qz VN is likely the cause for intense dolomitic silicification above and below mineralized unit.	VN												65					
			52.18	52.28	0.10				Light brown, massive Sm and massive Py.												40	Sm	50			
52.40	53.35	0.95				MX			Gn and Py band with BX Sm. Zone is Qz flooded and Sp appears as darker brown blotches surrounded by pale brown Sm. Sharp lCN with numerous empty vugs (1-3 mm).	lCN	25									45		20	Sm	20			
53.35	63.82	10.47				LST	cBX		Light grey to white, FG, cBX LST with weak Py mineralization along stylolitic folds. Stylolites are abundant. Py mainly follows stylolitic paths, occasionally expands to blebs (2-8 mm) or concentrates in stylolitic nose of folds. Spar texture is very common, and mainly filled with black bitumen. Few sparry black crystals surround CG DOL crystals.					i				SIL	s			w					
63.82	73.71	9.89				LST	sBX	ST	Grey to deep grey, FG to MG, sBX LST with minor intermittent zones of cBX. Clasts are angular to sub angular. Minor stylolites occur throughout. Few MG packages. CG DOL crystals are more common in the dark grey LST sections.					s													
			72.71	73.71	1.00	LST	sBX		Dark grey and black anhedral to irregularly shaped bituminous clasts increase in concentration.																	
73.71	82.90	9.19				LST	cBX	ST	Grey to dark grey, FG to MG, cBX LST with abundant stylolite texture. Scattered patchy black bituminous sections (rubs off on fingers black), is often associated with minor speckled crystalline Py overprinting. A few bleached intervals with empty vugs occur. Euhedral, cubic 1 mm Py crystals are disseminated throughout. Py mineralization occasionally follows stylolitic paths. Pyro-bitumen is common on fractured surfaces.					s								w					
			77.05	77.21	0.16	TLC			Talc infilled gouge. Soft with minor disseminated cubic Py crystals (1 mm).																	
			78.50	78.51	0.01			FX	Light green Sm on FX surface. Botryoidal in texture.													Sm	s			
			80.60	83.50	2.90	LST	cBX		Intensely crackled and fractured interval with abundant graphite of the fractured surfaces.																	

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Galena	Sphalerite	Pyrite	Type	Intensity	Type	Intensity	
82.90	91.64	8.74				LST	sBX		White, FG to MG, sBX LST. Prominent sparry texture has been overprinted with minor cBX. Scattered vugs have been filled with crystalline DOL with associated bleaching of the host rock. A few dark grey angular clasts have a pyritic sheen.					m								t						
			86.50	88.75	2.25			SP	Pervasive sparry texture with white calcareous layers (7-20 mm).																		
91.64	99.06	7.42				LST	sBX		Dark grey to grey, MG to FG, cBX LST with carbon-rich irregular shaped lenses along FX surfaces. Intermittent zones of cBX occur throughout. Dissolution is strong in a few areas producing an 'empty' vuggy mosaic texture. Numerous botryoidal pale to dark green Sm crystals and glassy crystalline Sm occur. Sparry veins are common throughout.					m				SIL	m									
			95.55	96.62	1.07	LST			Black highly FX limy mudstone with carbon-rich fracture surfaces. Overall the interval contains very angular rubble fragments from 2-5 cm in size.					m				SIL	s								
			98.70	99.06	0.36	LST	GRA		Black graphitic layer. BIT is interstitial.																		
99.06	136.30	37.24				LST	SBX		Dark grey to grey, MG to FG, sBX LST with minor cBX. Sparry zones are abundant and resemble cross-cutting veins (2-6 mm). Few areas have undergone minor bleaching resulting in talk alteration. White DOL clasts are 2-10 mm concentrate in carbon-rich layers. Blotchy and blebby Py occurs adjacent to few bituminous-rich borders.					s				SIL	s			t						
			105.50	106.20	0.70		RBL		Moderately fractured and crackle brecciated sectior with a dark grey matrix.	FX																	
			113.50	115.10	1.60		RBL		Highly FX and rubbly section with a few competent 2-5 cm zones.	FX																	
			116.65	117.70	1.05		RBL		Intensely FX and rubbly interval. Fragments are 1-3 cm, and appear to have undergone intense compression.	FX																	
			120.64	121.01	0.37	LST	GRA		Black graphitic LST. Mainly rubbly with a few 2-5 cm competent sections. Fragments are 1-2 cm.																		
			124.45	126.80	2.35	LST	GRA																				
			128.02	130.67	2.65	LST	GRA			FX																	
			131.60	133.00	1.40				Light grey bleached zone																		
			134.81	136.30	1.49				Intermittent 10-20 cm intervals of cBX. Sparry veins are sparse. Clasts are sub-rounded to irregularly shaped.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Galena	Sphalerite	Pyrite	Type	Intensity	Type	Intensity	
136.30	152.40	16.10				LST	sBX		Dark grey, FG to MG, sBX LST with buff brown patches throughout. This interval does not resemble the typical sBX. The matrix is dark grey with white sparry veins throughout. Buff brown patches resemble infilled vugs. A few 1 cm hematitic stringers cut the unit. A cBX texture overprints the interval and increases in intensity with depth. Bitumen commonly occurs interstitially. Siderite commonly occurs on fractured surfaces. A large 42 cm clast occurs from 149.55 m with an uCN at 90 deg and lCN at 77 deg.					s		t		SIL	s							
			140.80	149.35	8.55	LST			Highly fractured and oxidized zone	FX				m		m											
			150.27	152.40	2.13		RBL		Highly fractured and rubbly section. Fragments are 1-4 cm.	FX																	
									152.40 m - E.O.H. The hole was ended because it was past the targeted depth.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: OC-10-01

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
21.06	24.06	3.00	CHT		2.91	97	G285350	1					
24.06	27.16	3.10	LST	cBX	2.75	89	G285351	1					
27.16	30.16	3.00	LST	sBX	2.87	96	G285352	1					
30.16	33.20	3.04	LST	sBX	2.95	97	G285353	1					
33.20	36.20	3.00	LST	sBX	3.00	100	G285354	1					
-	-	-	-	-	-	-	G285355	1					Standard OC-2
36.20	39.20	3.00	LST	sBX	2.93	98	G285356	1					
39.20	42.20	3.00	LST	cBX	3.00	100	G285357	1					
42.20	45.20	3.00	LST	cBX	2.98	99	G285358	1					
45.20	47.20	2.00	LST	cBX	2.00	100	G285359	1					
47.20	49.12	1.92	LST	sBX	1.89	98	G285360	1					
49.12	50.21	1.09	MX		0.89	82	G285361	1					Start of Mineralization
50.21	51.18	0.97	MX		0.86	89	G285362	1					
-	-	-	-	-	-	-	G285363	1					Blank (BTW)
51.18	52.40	1.22	QZ VN		0.81	66	G285364	1					Massive Mineralization
52.40	52.93	0.53	QZ VN		0.50	94	G285365	1					Massive Mineralization
52.93	53.35	0.42			0.42	100	G285366	1					End of Mineralization
53.35	56.35	3.00	LST	cBX	3.00	100	G285367	1					
56.35	59.35	3.00	LST	cBX	2.87	96	G285368	1					
59.35	62.35	3.00	LST	cBX	3.00	100	G285369	1					

GEOTECHNICAL LOG

HOLE: OC-10-01

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
2.47	3.05	0.58	0.58	100	0	47	MS	FR		
3.05	4.88	1.83	1.41	77	0.84	46	MS	FR		
4.88	5.79	0.91	0.90	99	0.76	84	MS	SW		
5.79	6.10	0.31	0.14	45	0.00	0	W	SW		
6.10	8.84	2.74	2.49	91	1.51	55	MS	SW		
8.84	10.97	2.13	1.94	91	1.28	60	MS	SW		
10.97	14.33	3.36	3.05	91	2.01	60	W	HW		
14.33	16.46	2.13	2.01	94	0.43	20	W	HW		
16.46	17.68	1.22	0.54	44	0.00	0	MS	SW		
17.68	20.73	3.05	2.76	90	1.46	48	MS	SW		
20.73	22.86	2.13	1.60	75	0.35	16	W	HW		
22.86	25.91	3.05	2.93	96	1.04	34	W	SW		
25.91	27.43	1.52	1.20	79	0.63	41	MS	SW		
27.43	30.48	3.05	2.71	89	1.62	53	MS	SW		
30.48	33.52	3.04	2.95	97	2.54	84	MS	SW		
33.52	36.58	3.06	3.06	100	2.68	88	MS	SW		
36.58	39.62	3.04	2.90	95	2.36	78	MS	SW		
39.62	42.67	3.05	3.02	99	2.85	93	MS	SW		
42.67	45.72	3.05	2.96	97	2.88	94	MS	SW		
45.72	48.77	3.05	3.00	98	2.88	94	MS	SW		
48.77	51.82	3.05	2.04	67	0.77	25	W	HW		
51.82	54.86	3.04	3.00	99	2.22	73	MS	SW		
54.86	57.91	3.05	2.98	98	2.22	73	MS	SW		
57.91	60.96	3.05	2.96	97	1.63	53	MS	SW		
60.96	64.01	3.05	3.03	99	2.55	84	MS	SW		
64.01	67.06	3.05	2.98	98	2.75	90	MS	SW		
67.06	70.10	3.04	2.89	95	2.48	82	MS	FR		
70.10	73.15	3.05	2.94	96	2.14	70	MS	FR		
73.15	76.20	3.05	2.97	97	2.66	87	MS	FR		
76.20	79.25	3.05	2.96	97	2.30	75	MS	FR		
79.25	82.30	3.05	2.73	90	0.72	24	W	FR		
82.30	85.34	3.04	2.92	96	0.74	24	MS	FR		
85.34	88.39	3.05	3.00	98	1.76	58	MS	FR		
88.39	91.44	3.05	3.05	100	0.96	31	W	FR		
91.44	94.49	3.05	2.95	97	1.71	56	W	FR		
94.49	97.23	2.74	2.47	90	1.02	37	W	SW		
97.23	99.06	1.83	1.83	100	1.09	60	W	SW		
99.06	101.50	2.44	2.15	88	1.09	45	W	SW		
101.50	103.63	2.13	2.13	100	0.71	33	W	SW		
103.63	106.68	3.05	2.72	89	1.04	34	W	SW		
106.68	108.51	1.83	1.83	100	0.94	51	W	SW		
108.51	110.34	1.83	1.80	98	0.62	34	W	MW		
110.34	112.78	2.44	2.22	91	1.69	69	W	SW		
112.78	114.60	1.82	1.59	87	0.26	14	W	HW		
114.60	117.65	3.05	2.63	86	0.14	5	W	SW		
117.65	119.48	1.83	1.70	93	0.00	0	W	MW		
119.48	120.09	0.61	0.61	100	0.00	0	W	MW		
120.09	121.01	0.92	0.62	67	0.00	0	W	HW		
121.01	124.05	3.04	2.90	95	1.38	45	W	MW		
124.05	124.97	0.92	0.80	87	0.30	33	W	HW		
124.97	126.49	1.52	1.01	66	0.13	9	W	HW		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
126.49	126.80	0.31	0.27	87	0.00	0	W	HW		
126.80	128.02	1.22	1.22	100	0.86	70	W	HW		
128.02	131.06	3.04	2.00	66	0.00	0	MS	FR		
131.06	134.12	3.06	1.67	55	0.35	11	MS	FR		
134.12	137.16	3.04	2.65	87	0.59	19	MS	FR		
137.16	140.21	3.05	3.05	100	1.58	52	MS	FR		
140.21	143.26	3.05	2.82	92	0.65	21	MS	FR		
143.26	146.30	3.04	2.76	91	1.28	42	MS	FR		
146.30	149.35	3.05	2.75	90	1.04	34	MS	FR		
149.35	152.40	3.05	1.75	57	0.65	21	MS	FR		
152.40	E.O.H.									

MAGNETIC SUSCEPTIBILITY LOG

HOLE: OC-10-01

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00			N/A	
2.00			N/A	
3.00	VOL		0.57	
4.00	VOL		0.63	
5.00	VOL		0.12	
6.00	VOL		0.10	
7.00	SLT		0.00	
8.00	SLT		0.02	
9.00	CHT		0.26	
10.00	SLT		0.26	
11.00	SLT		0.08	
12.00	VOL		0.20	
13.00	VOL		0.16	
14.00	VOL		0.26	
15.00	SLT		0.32	
16.00	SLT		0.14	
17.00	VOL		0.28	
18.00	VOL		0.61	
19.00	VOL		0.79	
20.00	VOL		0.67	
21.00	AND		0.34	
22.00	VOL		0.02	
23.00	CHT		0.00	
24.00	CHT		0.00	
25.00	LST	cBX	0.00	
26.00	LST	cBX	0.04	
27.00	LST	cBX	0.00	
28.00	LST	cBX	0.00	
29.00	LST	cBX	0.00	
30.00	LST	sBX	0.00	
31.00	LST	sBX	0.00	
32.00	LST	sBX	0.00	
33.00	LST	sBX	0.00	
34.00	LST	sBX	0.00	
35.00	LST	sBX	0.00	
36.00	LST	sBX	0.00	
37.00	LST	sBX	0.00	
38.00	LST	sBX	0.00	
39.00	LST	sBX	0.00	
40.00	LST	sBX	0.00	
41.00	LST	cBX	0.00	
42.00	LST	cBX	0.00	
43.00	LST	cBX	0.04	
44.00	LST	cBX	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	LST	cBX	0.00	
46.00	LST	cBX	0.00	
47.00	LST	cBX	0.00	
48.00	LST	cBX	0.00	
49.00	MX	MA	0.00	
50.00	MX	MA	0.00	
51.00	MX	MA	0.00	
52.00	MX	MA	0.00	
53.00	MX	MA	0.00	
54.00	LST	cBX	0.00	
55.00	LST	cBX	0.00	
56.00	LST	cBX	0.51	
57.00	LST	cBX	0.00	
58.00	LST	cBX	0.00	
59.00	LST	cBX	0.00	
60.00	LST	cBX	0.00	
61.00	LST	cBX	0.00	
62.00	LST	cBX	0.38	
63.00	LST	cBX	0.00	
64.00	LST	sBX	0.12	
65.00	LST	sBX	0.00	
66.00	LST	sBX	0.00	
67.00	LST	sBX	0.00	
68.00	LST	sBX	0.04	
69.00	LST	sBX	0.00	
70.00	LST	sBX	0.00	
71.00	LST	sBX	0.00	
72.00	LST	sBX	0.00	
73.00	LST	sBX	0.00	
74.00	LST	cBX	0.00	
75.00	LST	cBX	0.00	
76.00	LST	cBX	0.16	
77.00	LST	cBX	0.00	
78.00	LST	cBX	0.04	
79.00	LST	cBX	0.00	
80.00	LST	cBX	0.00	
81.00	LST	cBX	0.00	
82.00	LST	cBX	0.00	
83.00	LST	sBX	0.00	
84.00	LST	sBX	0.34	
85.00	LST	sBX	0.00	
86.00	LST	sBX	0.00	
87.00	LST	sBX	0.00	
88.00	LST	sBX	0.00	
89.00	LST	sBX	0.00	
90.00	LST	sBX	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	LST	sBX	0.00	
92.00	LST	sBX	3.46	
93.00	LST	sBX	0.02	
94.00	LST	sBX	0.00	
95.00	LST	sBX	0.00	
96.00	LST	sBX	0.00	
97.00	LST	sBX	0.00	
98.00	LST	sBX	0.00	
99.00	LST	GRA	0.00	
100.00	LST	sBX	0.00	
101.00	LST	sBX	0.00	
102.00	LST	sBX	0.00	
103.00	LST	sBX	0.08	
104.00	LST	sBX	0.00	
105.00	LST	sBX	0.00	
106.00	LST	RBL	0.00	
107.00	LST	sBX	0.00	
108.00	LST	sBX	0.00	
109.00	LST	sBX	0.02	
110.00	LST	sBX	0.00	
111.00	LST	sBX	0.04	
112.00	LST	sBX	0.02	
113.00	LST	sBX	0.00	
114.00	LST	RBL	0.00	
115.00	LST	RBL	0.00	
116.00	LST	sBX	0.08	
117.00	LST	RBL	0.41	
118.00	LST	sBX	0.02	
119.00	LST	sBX	0.00	
120.00	LST	sBX	0.00	
121.00	LST	GRA	0.00	
122.00	LST	sBX	0.00	
123.00	LST	sBX	0.00	
124.00	LST	sBX	0.00	
125.00	LST	GRA	0.16	
126.00	LST	sBX	0.00	
127.00	LST	sBX	0.00	
128.00	LST	sBX	0.00	
129.00	LST	GRA	0.00	
130.00	LST	GRA	0.00	
131.00	LST	sBX	0.00	
132.00	LST	sBX	1.82	
133.00	LST	sBX	0.00	
134.00	LST	sBX	0.00	
135.00	LST	sBX	0.06	
136.00	LST	sBX	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	LST	sBX	0.45	
138.00	LST	sBX	0.10	
139.00	LST	sBX	0.24	
140.00	LST	sBX	0.32	
141.00	LST	sBX	0.00	
142.00	LST	sBX	0.00	
143.00	LST	sBX	0.06	
144.00	LST	sBX	0.10	
145.00	LST	sBX	0.00	
146.00	LST	sBX	0.16	
147.00	LST	sBX	0.00	
148.00	LST	sBX	0.00	
149.00	LST	sBX	0.71	
150.00	LST	sBX	1.74	
151.00	LST	RBL	0.00	
152.00	LST	RBL	0.00	

DENSITY LOG

HOLE: OC-10-01

Depth (m)	Unit	Modifier	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
			Py %	As %	Other	%							
5.68	VOL		t					15.4	4.2	605.9	392.2	2.90	2.84
84.85	LST	sBX						15.0	4.2	588.7	380.5	2.89	2.83

BOX LOG

HOLE: OC-10-01

BOX	FROM (m)	TO (m)
1	2.47	8.00
2	8.00	13.62
3	13.62	19.58
4	19.58	24.84
5	24.84	30.48
6	30.48	36.00
7	36.00	41.60
8	41.60	47.11
9	47.11	53.05
10	53.05	58.61
11	58.61	64.16
12	64.16	69.96
13	69.96	75.28
14	75.28	80.64
15	80.64	85.51
16	85.51	90.92
17	90.92	95.83
18	95.83	104.47
19	104.47	106.64
20	106.64	111.69
21	111.69	116.55
22	116.55	121.21
23	121.21	126.49
24	126.49	130.67
25	130.67	134.81
26	134.81	140.41
27	140.41	143.26
28	143.26	148.10
29	148.10	152.40
152.40 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
9+600	10+050				141.73

ZONE: Ocelot

SECTION:

HOLE: OC-10-02

CLAIM:

Contractor: Beaudoin Drilling

Drill: 4

Core size: BTW

Casing depth: 3.05 m out

Drilling dates: July 19-20, 2010

Geology logged by: O. Fu

TARGET: Drilling down dip for further extension of mineralization seen in hole OC-10-01

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	195	-75	compass				

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	3.05	3.05	OVB	Overburden
3.05	29.75	26.70	VOL/SLT	Volcaniclastic and siltstone interbeds with a few cherty layers.
29.75	64.35	34.60	LST	sBX with scattered Sm and Sp infilled vugs.
64.35	141.73	77.38	LST	cBX with intermittent sBX intervals.
141.73	E.O.H.			

SAMPLES

Numbers: G285370 to G285424

Total: 55

Batch: 1,2,3

Date Sent: July 23, 24, August 5 2010

Certificate: VA10100826, VA10100825, VA10108984

COMMENTS

The hole was ended because it was past its tageted depth.

GEOLOGY LOG

HOLE: OC-10-02

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	3.05	3.05				OVB			Overburden - No recovery																		
3.05	6.35	3.30				VOL			Chloritized VOL with interstitial 1-3 mm Ca crystals. Light brown cemented matrix, SER? Fractured surfaces commonly have an orange/rusty Li coating.	ICN	40					w		CHL	s				Li	m			
6.35	22.19	15.84				SLT		AN	Grey, aphanitic, calcareous SLT with subrounded, iron-rich vugs that are abundant in the first 15 cm of the interval. These vugs are commonly empty, subrounded (1mm wide) and lath shaped (2.4 cm wide).	BN	30												He	m	Li	w	
									The lower contact is distinct at 40 deg TCA.	lCN	40																
			11.14	11.44	0.30	CHT		AN	Black chert with crosscutting Qz veinlets up to 2 mm in diameter.	ICN	40																
			11.44	15.50	4.06	SLT			Shear fractures with oxidation coating occur oblique to compositional banding (30 deg).							w											
			16.00	19.00	3.00	SLT			Abundant Ca veining, few are stylolitic and cross-cut 'earlier' Ca veins. Earlier Ca veins are cut at 30 degrees TCA.	VN	30																
22.19	25.40	3.21				VOL		AM	Green, FG to MG VOL with occasional iron-rich and dolomitic amygdules that are subrounded to irregular shaped, 1-3 mm in diameter. Strong to moderate effervescence throughout the interval. Few dolomitic veins (2-10 mm).	uCN	40					m											
25.40	26.00	0.60				AND			Gritty volcaniclastic with strong limonitic staining on fractured surfaces. Clasts are 1-3 mm in diameter are scattered within the dark green-grey VOL.							m							Li	s			
26.00	28.50	2.50				VOL			Light grey to buff and rusty, FG to MG VOL with strong pervasive oxidation. The clasts that make up the VOL are subrounded to angular and 1-8 mm in diameter. Pyrite occurs weakly disseminated throughout with occasional semi-massive bands.							s						w					
			28.36	28.43	0.07				Abundant subrounded disseminated Py crystals (3 10 mm) show oxidized borders.												s					
28.50	29.75	1.25				CHT	AN		Black silicified chert with minor VOL and LST interbeds (2-6 cm). Py staining and veining occurs throughout the section along with a few irregular shaped Py patches.							m		SIL	s		m					

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
29.75	64.35	34.60				LST	sBX		White to grey, FG, DOL, sBX LST with cBX overprint and concentrated interbeds. Strongly cBX sections have a slightly bleached appearance. Dark grey LST clasts are silicified and angular (1-3 cm). Sparry texture becomes more evident with depth.					s		w												
			33.83	34.08	0.25				Strongly sBX DOL LST with white angular DOL clasts in a black rusty matrix with numerous infilled semi-crystalline vugs. Crystals filling vugs are blebby and appear stylolitic with a brown coating, Sm?														Sm	m			
			34.52	34.86	0.34	LST	RBL		Fault. Rubbly with gougy altered clay	FLT								CLY	s							
			37.50	37.59					White, angular BX DOL LST with 2-15 mm clasts in a black rusty matrix. Orangey brown, crystalline and botryoidal, sub-massive Sm occurs intensely throughout.														Sm	i			
			37.93	39.96																			Sm	i			
			37.96	51.00	13.04				Sm is common on fractured surfaces. It can appear oxidized, brown, or as crystalline masses on fractures or in vugs.														Sm	m			
			53.57	60.60	7.03	LST	cBX		cBX intensity increases in the LST. The interval is pale to creamy orange/rust coloured with elevated XRF zinc readings.																	
			54.86	55.47	0.61				Gougy, clay altered and sandy interval									CLY	i							
64.35	141.73	77.38				LST	cBX		Grey, FG, cBX LST with a few graphitic intervals and intermittent narrow zones of sBX. Crystalline Sm (possibly Sp?) occurs randomly throughout infilling vugs. Note: There is no visible lithological change to identify increased zinc concentration.					s				SIL	m									
			69.60	69.80	0.20	LST	GRA		Black, carbon-rich, graphitic layer. Interval is mainly granular.																	
			70.65	70.75	0.10				Interval containing vugs with infilled pale green crystalline Sm (possibly Sp?).														Sm	i			
			72.28	72.32	0.04	LST	GRA		Black, carbon-rich, graphitic layer. Interval is mainly granular.																	
			74.00	75.00		LST	sBX		Grey, FG, sBX LST with cBX overprint. Dark grey LST 'clasts' are 0.5-4 cm and angular. Stylolites commonly overprint onto sBX. Vugs contain infilled pale green crystalline Sm (possibly Sp?).					s													
			75.00	80.00	5.00	LST	sBX		Limy, pale green, botryoidal Sm infilled vugs. Crystalline Sm is also common with crystals 1-8 mm (Sp?).					s									Sm	m			

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			80.00	92.50	12.50	LST	sBX		Grey, FG, sBX LST with cBX overprint. Dark grey LST 'clasts' (0.5-4 cm) are angular. Stylolites commonly overprint onto sBX. Vugs contain infilled pale green crystalline Sm (possibly Sp?).					s													
			93.62	93.64	0.02	LST	GRA		Black, carbon-rich, graphitic layer. Interval is mainly granular.																	
			97.80	101.00	3.20	LST	sBX		Prominent sparry texture of the solution collapse brecciated LST. The sparry texture is of the matrix infilling coarse grained 'dog tooth' DOL.					s													
			101.22	101.30	0.08	LST	GRA		Black, carbon-rich, graphitic layer with pyro-bitumen on fractured surfaces. Interval is mainly granular.																	
			102.88	105.20	2.32	LST	RBL		Fault that is highly fractured and sheared. Rock fragments are on agerage 1-3 cm in diameter with a few 2-4 cm semi-competent core sections.	FLT																
			105.20	107.30	2.10	LST	RBL		Fault. Highly fractured and sheared interval with fragments between 0.5-1.5 cm.	FLT																
			107.30	119.18	11.88	LST	RBL		Grey, FG, sBX LST with cBX overprint and few large dark grey clasts (4cm). Roughly 75% rubble, remaining competent sections are 3-9 cm long.																	
			120.00	125.00	5.00	LST	RBL		Limy green, patchy Sm on rock fragments (3-5 cm). Disseminated Py occurs in close proximity or adjacent to Sm patches. Gr and pyro-bitumen are common on fractured surfaces.														w	Sm	m	Gr	w	
			130.35	132.14	1.79	LST	RBL		Numerous subrounded to linear vugs occur throughout.																	
			132.14	134.30	2.16				Light grey Lest interval with strong clay alteration.									CLY	s							
			134.30	136.86	2.56	LST	sBX		Grey with dark grey patches, FG, vuggy, sBX LST with cBX overprint.					s				SIL	s							
			136.86	138.68	1.82	LST	RBL		Fault. Rubbly section.																	
			138.68	141.73	3.05	LST	sBX		Grey to dark grey, FG, sBX LST with dark grey to light grey angular to rounded clasts with few Py blebs to patches.					s				SIL	s			w					
									141.73 m: E.O.H. - The hole was ended because it had reached the targeted depth.																	

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: OC-10-02

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
3.05	6.35	3.30	VOL		2.80	85	G285370	1					
6.35	9.35	3.00	SLT		2.49	83	G285371	1					
-	-	-	-	-	-	-	G285372	1					Standard OC-2
9.35	12.35	3.00	SLT		2.95	98	G285373	1					
12.35	15.35	3.00	CHT		3.00	100	G285374	1					
15.35	18.35	3.00	SLT		2.76	92	G285375	1					
18.35	20.35	2.00	SLT		2.79	140	G285376	1					
20.35	22.19	1.84	SLT		1.56	85	G285377	1					
22.19	25.34	3.15	VOL		3.07	97	G285378	1					
22.19	25.34	3.15	VOL		3.07	97	G285379	1					Duplicate
25.34	28.50	3.16	VOL		3.10	98	G285380	1					
28.50	31.50	3.00	VOL		2.95	98	G285381	1					
31.50	34.50	3.00	LST	sBX	2.92	97	G285382	1					
-	-	-	-	-	-	-	G285383	1					Blank (BTW)
34.50	37.50	3.00	LST	sBX	2.81	94	G285384	1					
37.50	40.50	3.00	LST	sBX	2.80	93	G285385	1					
40.50	43.50	3.00	LST	sBX	3.00	100	G285386	2					
43.50	46.50	3.00	LST	sBX	2.99	100	G285387	2					
46.50	49.50	3.00	LST	sBX	2.70	90	G285388	2					
-	-	-	-	-	-	-	G285389	2					Blank (BTW)
49.50	52.50	3.00	LST	sBX	2.78	93	G285390	2					
52.50	55.50	3.00	LST	sBX	2.72	91	G285391	2					
55.50	58.50	3.00	LST	sBX	2.80	93	G285392	2					
-	-	-	-	-	-	-	G285393	2					Standard OC-1
58.50	61.50	3.00	LST	sBX	2.95	98	G285394	2					
61.50	64.50	3.00	LST	sBX	2.80	93	G285395	2					
64.50	67.50	3.00	LST	cBX	2.61	87	G285396	2					
67.50	70.50	3.00	LST	cBX	2.52	84	G285397	2					
70.50	73.50	3.00	LST	cBX	2.87	96	G285398	2					
73.50	76.50	3.00	LST	cBX	2.86	95	G285399	2					
76.50	79.50	3.00	LST	sBX	2.75	92	G285400	2					
-	-	-	-	-	-	-	G285401	2					Blank (BTW)

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
79.50	82.50	3.00	LST	sBX	2.62	87	G285402	2					
82.50	85.50	3.00	LST	sBX	2.65	88	G285403	2					
85.50	88.50	3.00	LST	sBX	2.90	97	G285404	2					
88.50	91.50	3.00	LST	sBX	3.00	100	G285405	2					
91.50	94.50	3.00	LST	cBX	2.75	92	G285406	2					Duplicate
91.50	94.50	3.00	LST	cBX	2.75	92	G285407	2					
94.50	97.50	3.00	LST	cBX	2.71	90	G285408	2					
-	-	-	-	-	-	-	G285409	2					Standard OC-2
97.50	100.58	3.08	LST	sBX	2.97	96	G285410	2					
100.58	103.63	3.05	LST	sBX	2.23	73	G285411	2					
103.63	106.68	3.05	LST	sBX	2.30	75	G285412	2					
106.68	109.73	3.05	LST	sBX	1.90	62	G285413	2					
109.73	112.78	3.05	LST	sBX	1.95	64	G285414	2					
112.78	115.82	3.04	LST	sBX	2.36	78	G285415	2					
115.82	118.87	3.05	LST	sBX	2.65	87	G285416	2					
118.87	121.62	2.75	LST	sBX	2.44	89	G285417	2					
121.62	124.66	3.04	LST	sBX	2.01	66	G285418	2					
124.66	127.41	2.75	LST	sBX	2.37	86	G285419	2					
127.41	130.46	3.05	LST	sBX	2.72	89	G285420	2					
130.46	133.51	3.05	LST	sBX	2.86	94	G285421	2					
133.51	136.56	3.05	LST	cBX	2.89	95	G285422	2					
136.56	139.15	2.59	LST	cBX	1.64	63	G285423	3					
139.15	141.73	2.58	LST	cBX	2.25	87	G285424	3					

GEOTECHNICAL LOG

HOLE: OC-10-02

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
2.97	3.05	0.08	0.08	100	0	0	MS	SW	
3.05	3.96	0.91	0.64	70	0.44	48	MS	SW	
3.96	6.10	2.14	2.04	95	1.57	73	MS	SW	
6.10	9.14	3.04	2.61	86	1.56	51	MS	SW	
9.14	11.58	2.44	2.41	99	0.99	41	MS	SW	
11.58	14.63	3.05	3.05	100	2.61	86	MS	SW	
14.63	17.07	2.44	2.15	88	1.80	74	MS	SW	
17.07	18.29	1.22	1.22	100	1.06	87	MS	SW	
18.29	20.12	1.83	1.71	93	0.80	44	MS	SW	
20.12	21.34	1.22	0.99	81	0.85	70	MS	SW	
21.34	24.38	3.04	2.95	97	1.26	41	MS	SW	
24.38	27.43	3.05	2.97	97	1.61	53	MS	SW	
27.43	30.48	3.05	3.05	100	1.85	61	MS	HW	
30.48	33.53	3.05	3.02	99	2.45	80	MS	SW	
33.53	36.57	3.04	2.73	90	1.23	40	MS	SW	
36.57	39.62	3.05	2.82	92	1.67	55	MS	SW	
39.62	42.67	3.05	3.05	100	2.70	89	MS	SW	
42.67	45.72	3.05	3.00	98	2.13	70	MS	SW	
45.72	48.77	3.05	2.82	92	1.87	61	MS	SW	
48.77	51.82	3.05	3.05	100	2.95	97	MS	SW	
51.82	52.73	0.91	0.70	77	0.55	60	MS	SW	
52.73	54.86	2.13	2.10	99	1.94	91	MS	SW	
54.86	55.17	0.31	0.30	97	0.00	0	MS	SW	
55.17	57.91	2.74	2.58	94	2.19	80	MS	SW	
57.91	60.96	3.05	2.97	97	2.01	66	MS	HW	
60.96	64.01	3.05	2.81	92	1.87	61	MS	SW	
64.01	67.06	3.05	2.98	98	2.18	71	MS	HW	
67.06	69.80	2.74	2.08	76	0.48	18	MS	HW	
69.80	72.54	2.74	2.73	100	1.83	67	MS	SW	
72.54	73.15	0.61	0.52	85	0.43	70	MS	SW	
73.15	76.20	3.05	2.99	98	1.63	53	MS	SW	
76.20	79.25	3.05	3.01	99	1.37	45	MS	SW	
79.25	82.30	3.05	2.77	91	0.75	25	MS	SW	
82.30	85.34	3.04	2.74	90	2.18	72	MS	SW	
85.34	88.39	3.05	3.01	99	2.35	77	MS	SW	
88.39	91.44	3.05	2.93	96	1.99	65	MS	SW	
91.44	94.49	3.05	2.83	93	1.70	56	MS	SW	
94.49	97.54	3.05	2.67	88	1.15	38	MS	SW	
97.54	100.58	3.04	3.04	100	2.70	89	MS	SW	
100.58	103.63	3.05	2.71	89	2.57	84	MS	SW	
103.63	106.68	3.05	1.45	48	0.00	0	MS	SW	
106.68	109.73	3.05	1.81	59	0.14	5	MS	SW	
109.73	112.78	3.05	1.90	62	0.00	0	MS	SW	
112.78	115.82	3.04	2.05	67	0.00	0	MS	SW	
115.82	117.35	1.53	1.34	88	0.31	20	MS	SW	
117.35	118.87	1.52	1.20	79	0.00	0	MS	SW	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
118.87	119.18	0.31	0.13	42	0.00	0	MS	SW	
119.18	120.40	1.22	1.22	100	0.30	25	MS	SW	
120.40	121.62	1.22	0.92	75	0.25	20	MS	SW	
121.62	123.44	1.82	1.07	59	0.00	0	MS	SW	
123.44	123.75	0.31	0.25	81	0.00	0	MS	SW	
123.75	124.36	0.61	0.40	66	0.00	0	MS	SW	
124.36	124.66	0.30	0.30	100	0.00	0	MS	SW	
124.66	125.88	1.22	1.05	86	0.00	0	MS	SW	
125.88	126.49	0.61	0.54	89	0.15	25	MS	SW	
126.49	128.32	1.83	1.61	88	0.21	11	MS	SW	
128.32	130.15	1.83	1.65	90	0.40	22	MS	SW	
130.15	132.28	2.13	1.95	92	1.58	74	MS	SW	
132.28	133.81	1.53	1.23	80	0.13	8	MS	SW	
133.81	136.86	3.05	2.65	87	1.55	51	MS	SW	
136.86	138.68	1.82	0.94	52	0.00	0	MS	SW	
138.68	140.21	1.53	1.18	77	0.20	13	MS	SW	
140.21	141.73	1.52	1.50	99	0.89	59	MS	SW	
141.73	E.O.H.								

MAGNETIC SUSCEPTIBILITY LOG

HOLE: OC-10-02

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	OVB		N/A	
2.00	OVB		N/A	
3.00	VOL		0.20	
4.00	VOL		0.28	
5.00	VOL		0.03	
6.00	VOL		1.12	
7.00	SLT		0.43	
8.00	SLT		0.00	
9.00	SLT		0.08	
10.00	SLT		0.28	
11.00	SLT		0.00	
12.00	SLT		0.36	
13.00	SLT		0.20	
14.00	SLT		0.24	
15.00	SLT		0.73	
16.00	SLT		0.59	
17.00	SLT		0.30	
18.00	SLT		1.39	
19.00	SLT		0.32	
20.00	SLT		0.16	
21.00	SLT		0.04	
22.00	SLT		0.08	
23.00	VOL		0.90	
24.00	VOL		0.38	
25.00	VOL		0.67	
26.00	AND		0.20	
27.00	VOL		0.06	
28.00	VOL		0.04	
29.00	CHT	AN	0.00	
30.00	LST	sBX	0.00	
31.00	LST	sBX	0.08	
32.00	LST	sBX	0.02	
33.00	LST	sBX	0.00	
34.00	LST	sBX	0.92	
35.00	LST	sBX	0.63	
36.00	LST	sBX	0.00	
37.00	LST	sBX	0.00	
38.00	LST	sBX	0.26	
39.00	LST	sBX	0.00	
40.00	LST	sBX	0.08	
41.00	LST	sBX	0.00	
42.00	LST	sBX	0.00	
43.00	LST	sBX	0.00	
44.00	LST	sBX	0.02	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	LST	sBX	0.00	
46.00	LST	sBX	0.00	
47.00	LST	sBX	0.00	
48.00	LST	sBX	0.00	
49.00	LST	sBX	0.22	
50.00	LST	sBX	0.34	
51.00	LST	sBX	0.00	
52.00	LST	sBX	0.00	
53.00	LST	sBX	0.28	
54.00	LST	cBX	0.02	
55.00	LST	cBX	0.20	
56.00	LST	cBX	0.00	
57.00	LST	cBX	0.00	
58.00	LST	cBX	0.00	
59.00	LST	cBX	0.12	
60.00	LST	cBX	0.00	
61.00	LST	cBX	0.00	
62.00	LST	cBX	0.00	
63.00	LST	cBX	0.00	
64.00	LST	cBX	0.00	
65.00	LST	cBX	0.00	
66.00	LST	cBX	0.02	
67.00	LST	cBX	0.06	
68.00	LST	cBX	0.00	
69.00	LST	cBX	0.00	
70.00	LST	cBX	0.18	
71.00	LST	cBX	0.38	
72.00	LST	cBX	0.57	
73.00	LST	cBX	0.00	
74.00	LST	sBX	0.00	
75.00	LST	sBX	0.00	
76.00	LST	sBX	0.02	
77.00	LST	sBX	0.08	
78.00	LST	sBX	0.04	
79.00	LST	sBX	0.00	
80.00	LST	sBX	0.00	
81.00	LST	sBX	0.00	
82.00	LST	sBX	0.00	
83.00	LST	sBX	0.00	
84.00	LST	sBX	0.14	
85.00	LST	sBX	0.06	
86.00	LST	sBX	0.00	
87.00	LST	sBX	0.00	
88.00	LST	sBX	0.00	
89.00	LST	sBX	0.00	
90.00	LST	sBX	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	LST	sBX	0.34	
92.00	LST	sBX	0.08	
93.00	LST	cBX	0.00	
94.00	LST	cBX	0.04	
95.00	LST	cBX	0.00	
96.00	LST	cBX	0.00	
97.00	LST	cBX	0.22	
98.00	LST	sBX	0.00	
99.00	LST	sBX	0.00	
100.00	LST	sBX	0.00	
101.00	LST	sBX	0.00	
102.00	LST	cBX	0.00	
103.00	LST	RBL	0.00	
104.00	LST	RBL	0.04	
105.00	LST	RBL	0.00	
106.00	LST	RBL	0.00	
107.00	LST	RBL	0.00	
108.00	LST	RBL	0.00	
109.00	LST	RBL	0.00	
110.00	LST	RBL	0.00	
111.00	LST	RBL	0.00	
112.00	LST	RBL	0.16	
113.00	LST	RBL	0.30	
114.00	LST	RBL	0.00	
115.00	LST	RBL	0.14	
116.00	LST	RBL	0.08	
117.00	LST	RBL	0.00	
118.00	LST	RBL	0.00	
119.00	LST	RBL	0.00	
120.00	LST	RBL	0.36	
121.00	LST	RBL	0.00	
122.00	LST	RBL	0.34	
123.00	LST	RBL	0.00	
124.00	LST	RBL	0.00	
125.00	LST	RBL	0.00	
126.00	LST	RBL	0.00	
127.00	LST	RBL	0.00	
128.00	LST	RBL	0.00	
129.00	LST	RBL	0.00	
130.00	LST	RBL	0.00	
131.00	LST	RBL	0.00	
132.00	LST	RBL	0.00	
133.00	LST	cBX	0.00	
134.00	LST	cBX	0.00	
135.00	LST	sBX	0.51	
136.00	LST	sBX	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	LST	RBL	0.26	
138.00	LST	RBL	0.00	
139.00	LST	sBX	0.00	
140.00	LST	sBX	0.02	
141.00	LST	sBX	0.00	

DENSITY LOG

HOLE: OC-10-02

Depth (m)	Unit	Modifier	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
			Py %	As %	Other	%							
3.64	VOL	CGL						14.8	4.2	577.6	371.9	2.87	2.81
10.30	SLT							14.7	4.2	541.7	339.0	2.71	2.67
24.61	VOL							15.0	4.2	593.9	386.9	2.91	2.87
28.78	CHT	BX	10					14.7	4.2	569.5	367.0	2.85	2.81
32.80	DOL	SIL						14.8	4.2	576.9	372.6	2.87	2.82
39.98	DOL	SIL						14.7	4.2	576.2	372.8	2.89	2.83
45.47	DOL	SIL						14.1	4.2	544.6	348.3	2.84	2.77
53.48	Ca	cBX						15.0	4.2	525.8	325.5	2.58	2.63
55.77	DOL	cBX						15.1	4.2	575.4	365.1	2.80	2.74

BOX LOG

HOLE: OC-10-02

BOX	FROM (m)	TO (m)
1	2.97	8.95
2	8.95	14.22
3	14.22	19.91
4	19.91	25.55
5	25.55	31.09
6	31.09	36.57
7	36.57	42.18
8	42.18	47.90
9	47.90	53.67
10	53.67	59.54
11	59.54	65.50
12	65.50	71.24
13	71.24	76.80
14	76.80	82.21
15	82.21	87.98
16	87.98	93.72
17	93.72	99.00
18	99.00	103.70
19	103.70	106.84
20	106.84	110.65
21	110.65	116.22
22	116.22	120.55
23	120.55	124.85
24	124.85	130.00
25	130.00	135.22
26	135.22	140.97
27	140.97	141.73
141.73 m - EOH		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
9+600	10+264				288.04

ZONE: Condor

SECTION:

HOLE: OC-10-03

CLAIM: R996

Contractor: Beaudoin Drilling

Drill: 4

Core size: BTW

Casing depth: 1.52 m out

Drilling dates: July 21-25, 2010

Geology logged by: Oliver Fu

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	195	-60.0	compass				
159.41	195	-60.0	acid test				
288.04	195	-59.0	acid test				

TARGET: Magnetic and IP high.

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	1.81	1.81	OVB	No recovery.
1.81	3.20	1.39	LST	sBX
3.20	7.95	4.75	MST	Fossiliferous mudstone.
7.95	50.80	42.85	LST	sBX
50.80	157.95	107.15	LST	sBX with numerous rubbly and faulted sections. Bituminous coating is common on fractures.
157.95	164.00	6.05	VOL	Volcanic with patchy and disseminated pyrite.
164.00	179.75	15.75	LEP	Chloritized volcaniclastic with altered pumice fragments.
179.75	217.28	37.53	VOL	Chloritized volcaniclastic.
217.28	229.14	11.86	SLT	Aphanitic siltstone with semi-massive pyrite in the last meter of the interval.
229.14	230.25	1.11	LST	Intermittent texture between sBX and tBX which hosts disseminated and blebby pyrite.
230.25	288.04	57.79	LST	sBX with bituminous fracture coated zones, and rubbly, faulted zones.
288.04	E.O.H.			

SAMPLES

Numbers: G285425 to G285434

Total: 10

Batch: 3

Date Sent: August 5, 2010

Certificate: VA10108984

COMMENTS

The hole was ended because it was past the targeted magnetic and IP anomalies.

GEOLOGY LOG

HOLE: OC-10-03

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	Photo
0.00	1.81	1.81				OVB			Overburden - No recovery																		
1.81	3.20	1.39				LST	sBX		Spotty grey, FG to MG, sBX limestone (LST) with oxidized veinlets. Vugs are scattered and some have remnant fossils enclosed. Foliation is at 50 deg TCA.	FO	50			s				SIL	s							
3.20	7.95	4.75				MST	FOS	AN	Dark grey, aphanitic mudstone (MST) with scattered fossils. White calcite bands are sparse and betweer 1-2 mm. Remnant crinoid fossils are commonly found throughout the interval and range in size from 1 to 3 mm.																		
7.95	50.80	42.85				LST	sBX		Grey to dark grey, FG to MG, sBX LST with weak to moderate cBX overprint and intermittent mudstone layers (10-40 cm). Sparry texture occurs throughout. Remnant fossil outlines are seen throughout and range in size from 1 to 4 mm. Rubbly sections signifies a possible fault.																	
			16.58	17.00	0.42		RBL		Fault? Rock fragments are buff to dark brown, granular and rubbly.																	
			32.90	34.39	1.49	LST	cBX		Moderate cBX overprint with few stylolitic bands. Bands show a preferred orientation to 40 deg TCA.																	
			35.10	45.52	10.42	LST	sBX		Pervasive sparry texture ('zebra dolomite') has a minor cBX overprint of sBX. Sparry DOL veins are between 3 to 15 mm wide and infill between dark grey LST clasts that are subrounded to angular and 4 to 8 cm thick. A dark brown/purple coating is observed on fractures. This coating produces a darl brown streak and resembles iron or hematite staining?					m											
			49.61	50.30	0.69	MST	GRA		Black to dark grey, aphanitic MST with graphitic fractured surfaces. White CG dolomite crystals are scattered throughout and range in size from 1 to 3 cm.																	

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
50.80	157.95	107.15				LST	sBX	St	Uniform grey, CG, vuggy LST with intermittent layers of cBX and sBX. The changes between cBX and sBX layers are very subtle. Distinct contacts between both textures are difficult to see. Numerous vugs occur throughout the intervals. Vugs are filled with crystalline calcite, disseminated pyrite, or black botryoidal pyro-bitumen, and range in size between 0.5 to 4 cm. Stylolites are small (<1 cm) and are sparse. Few rubbly sections faulted sections.					m														
			56.10	58.00	1.90				Bright green, crystalline fuchsite (1-2 mm) occurs interstitially and on fractures.													Fu	t			
			57.10	63.70	6.60	LST	GRA		Possible fault(?). The interval is rubbly and bleached white. Vugs are abundant and between 1-7 mm. Limonite and graphite are common on fractured surfaces.	FLT													Li	f			
			73.40	73.65	0.25		RBL		Fault. Section is rubble and contains subrounded dark grey pebbles.	FLT																
			82.35	82.82	0.47	LST	GRA		Semi-rubbly section with graphite coating on fractured surfaces.																	
			90.90	91.00	0.10	LST	GRA		Semi-rubbly section with graphite coating on fractured surfaces.																	
			93.05	97.00	3.95		BIT		Abundant crystalline cavities with white euhedral calcite crystals (1-3mm) and black botryoidal pyro-BIT crystals (5-10mm). Calcite and BIT crystals occur adjacent to each other, some BIT crystals appear to surround calcite crystals. The interval between 94.00 to 95.00 m is fractured and shows evidence of bleaching.	FR																
			97.00	124.00	27.00	LST	sBX		Well developed sBX texture with weak to moderate cBX overprint and common stylolites. Dark grey LST clasts become more prominent towards the end of interval. The interval between 121.92 to 123.00 m contains well preserved fossils.					m													
			124.50	135.50	11.00	LST	cBX		Light to medium grey, MG, moderately fractured LST with a well developed cBX texture. Crystalline DOL and pyro-BIT are common interstitially and on fractured surfaces..					s													
			143.60	143.65	0.05		RBL		Fault. Rubbly with grey pebbles.	FLT																
			148.00	157.95	9.95	LST	sBX		sBX LST with a lower contac at 40 deg TCA.	lCN	40			s				SIL	s							

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
157.95	164.00	6.05				VOL			Light grey to light green, MG, volcaniclastic with disseminated to patchy Py throughout. A weak leopard spotted texture is gradational into the strong LEP unit below. Siderite is interstitial and common on fractured surfaces. A few hematitic stringers occur throughout.														m	Si	m	He	w	
164.00	179.75	15.75				LEP			Dark grey to green, MG, moderately magnetic LEP VOL with trace disseminated Py thoughout. Altered pumice fragments are angular to subrounded and range in size between 5 to 15 mm. There are numerous calcite veins, of which few are stylolitic. Light brown interstitial clay alteration occurs throughout. The interval is moderate-strongly calcareous.										CLY	m			t	Mg	m			
			165.40	167.50	2.10				A moderate foliation occurs at 45 deg TCA. There are few areas that show graded bedding at 45 deg TCA.	FO	45																	
			171.50	171.62	0.12				A 3 cm magnetite band at uCN. This band is followed by a dark green volcanic clast with white angular pumice(?) fragments that range in size between 1 to 3 mm.														Mg	s			
			171.62	174.35	2.73				The interval shows a strong foliation at 50 deg TCA (few areas show FO at 55 deg.).	FO	50																	
			175.00	179.75	4.75				Less prominent LEP texture with numerous calcite infilled vugs. Vugs are between 3-10 mm in size. CHL alteration becomes more prominent and increases in intensity with depth.																			
179.75	217.28	37.53				VOL			Soft, dark green, FG, intensely chloritized VOL with calcite infilled vugs. Calcite vugs are 1 to 2 mm in size. The unit is non-magnetic, slightly fractured and contains slickensides which are scattered throughout. There are few gougy and clay altered areas. Light brown sericite 'banding' occurs at 70 deg.	BN	70								CHL	60									
217.28	229.14					SLT			Pale grey, aphanitic, siltstone (SLT) with numerous calcite veins. Ca veins are between 1 to 3 mm, and dip 40 deg TCA. Py is interstitial and becomes semi-massive towards the end of the unit. Hematite staining is common on fractured surfaces.	uCN	45											t							

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			224.35	227.00	2.65	SLT			There are numerous oxidized shear fractures in this interval. This feature is relatively identical to the texture seen in the SLT unit in holes OC-10-01 & OC-10-02. Py is disseminated throughout. There is a light brown to buff coloured alteration that increases in intensity with depth, possibly sericite mixed with clay alteration.	FR						m		CLY	m			w					
			227.00	229.14	2.14	SLT			Pale grey to dark grey, vuggy SLT with abundant pyrite veins. Py is disseminated and in 1 to 2 mm veins in size that show no preferred orientation. From 228.60 m to 228.90 m, Py is semi-massive and mineralization continues into the dolomitic unit below. Vugs are empty, and range in shape from subrounded (1-2 mm) to linear (1-5 mm).											s					
229.14	230.25	1.11				LST	DOL		Grey, FG, LST. The unit has a unique texture not seen before in the Ocelot holes. Dark grey clasts are 1-5 mm and angular to subrounded. The texture appears intermittent between sBX and tBX. Py is disseminated and blebby, with blebs ranging in size from 5-10 mm. There are few calcite infilled crystalline vugs.											s					
230.24	288.04	57.80				LST	sBX		Grey, FG, sBX LST with moderate to strong cBX overprint. Dark grey clasts are hard, subangular to subrounde and range in size from 1-5 cm. Pyro-bitumen is common on fractured surfaces and has a slight metallic sheen. Few slickensides occur throughout interval. Sparry veins are common, with thicknesses ranging between 5 to 20 mm. Vugs are empty or crystalline and filled with dolomite and pyro BIT. Vugs range in size between 2-10 mm and increase in concentration with depth.					s				SIL	s							
			236.50	236.60	0.10	LST	BIT		Throughout these intervals, black bitumen occurs on all fractured surfaces and crystalline botryoidal pyro-bitumen occurs in 1-2 cm vugs.																	
			239.55	239.90	0.35	LST	BIT		Black bitumen occurs on all fractured surfaces and crystalline botryoidal pyro-bitumen occurs in 1-2 cm vugs.																	
			242.10	242.20	0.10	LST	BIT		Black bitumen occurs on all fractured surfaces and crystalline botryoidal pyro-bitumen occurs in 1-2 cm vugs.																	
			247.65	247.70	0.05	LST	BIT		Black bitumen occurs on all fractured surfaces and crystalline botryoidal pyro-bitumen occurs in 1-2 cm vugs.																	

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			254.10	254.15	0.05	LST	BIT		Black bitumen occurs on all fractured surfaces and crystalline botryoidal pyro-bitumen occurs in 1-2 cm vugs.																		
			263.00	264.60	1.60	LST	BIT		Black bitumen occurs on all fractured surfaces and crystalline botryoidal pyro-bitumen occurs in 1-2 cm vugs.																		
			268.05	269.20	1.15	LST	RBL		Possible fault? Grey and rubbly. Rock fragments are 1-3 cm.	FLT																
			270.81	271.37	0.56	LST	RBL		Fault. Grey and rubbly. Rock fragments are 0.5-2 cm and covered with BIT.	FLT																
									288.04 m - E.O.H. The hole was ended because it was past the targeted depth.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: OC-10-03

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
169.60	170.60	1.00	LEP		1.00	100	G285425	3					
172.64	173.64	1.00	LEP		1.00	100	G285426	3					
177.20	178.50	1.30	VOL		0.98	75	G285427	3					
-	-	-	-	-	-	-	G285428	3					STANDARD OC-1
221.00	224.00	3.00	SLT		3.00	100	G285429	3					
224.00	227.00	3.00	SLT		2.67	89	G285430	3					
227.00	228.50	1.50	SLT		1.50	100	G285431	3					
228.50	229.14	0.64	SLT		0.64	100	G285432	3					
229.14	230.25	1.11	LST	DOL	1.09	98	G285433	3					
230.25	233.25	3.00	LST	DOL	3.00	100	G285434	3					

GEOTECHNICAL LOG

HOLE: **OC-10-03**

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
1.81	4.57	2.76	2.76	100	1.26	46	MS	SW		
4.57	5.49	0.92	0.71	77	0.19	21	MS	SW		
5.49	6.40	0.91	0.81	89	0.00	0	MS	SW		
6.40	8.84	2.44	2.21	91	0.00	0	MS	SW		
8.84	11.89	3.05	2.84	93	0.55	18	MS	SW		
11.89	14.94	3.05	2.92	96	0.38	12	MS	SW		
14.94	17.07	2.13	1.77	83	0.71	33	MS	SW		
17.07	20.12	3.05	2.91	95	1.61	53	MS	SW		
20.12	21.34	1.22	1.22	100	1.22	100	MS	SW		
21.34	24.38	3.04	2.73	90	1.81	60	MS	SW		
24.38	27.43	3.05	3.05	100	2.14	70	MS	SW		
27.43	30.48	3.05	2.79	91	2.09	69	MS	SW		
30.48	33.53	3.05	3.05	100	1.84	60	MS	SW		
33.53	36.58	3.05	3.05	100	2.02	66	MS	SW		
36.58	39.62	3.04	2.76	91	0.93	31	MS	SW		
39.62	42.67	3.05	2.74	90	0.57	19	MS	SW		
42.67	45.72	3.05	2.73	90	1.15	38	MS	SW		
45.72	48.77	3.05	2.74	90	0.52	17	MS	SW		
48.77	51.82	3.05	2.95	97	0.83	27	MS	SW		
51.82	54.86	3.04	3.04	100	1.46	48	MS	SW		
54.86	57.91	3.05	2.94	96	1.69	55	MS	SW		
57.91	60.96	3.05	1.98	65	0.15	5	MS	MW		
60.96	64.01	3.05	2.78	91	0.19	6	W	MW		
64.01	67.06	3.05	3.05	100	1.47	48	MS	SW		
67.06	70.10	3.04	2.75	90	2.34	77	MS	SW		
70.10	73.15	3.05	2.86	94	2.18	71	MS	SW		
73.15	74.98	1.83	1.22	67	0.00	0	MS	SW		
74.98	76.20	1.22	1.07	88	0.43	35	MS	SW		
76.20	79.25	3.05	2.98	98	1.39	46	MS	SW		
79.25	82.30	3.05	2.80	92	0.67	22	MS	SW		
82.30	84.73	2.43	2.05	84	0.39	16	MS	SW		
84.73	87.78	3.05	3.03	99	0.81	27	MS	SW		
87.78	90.53	2.75	2.68	97	1.21	44	MS	SW		
90.53	93.57	3.04	3.00	99	1.42	47	MS	SW		
93.57	96.01	2.44	2.44	100	0.14	6	MS	MW		
96.01	97.54	1.53	1.23	80	0.41	27	MS	SW		
97.54	100.58	3.04	3.04	100	2.12	70	MS	SW		
100.58	103.63	3.05	3.05	100	0.70	23	MS	SW		
103.63	106.68	3.05	2.88	94	1.28	42	MS	SW		
106.68	109.73	3.05	2.46	81	1.09	36	MS	SW		
109.73	112.78	3.05	3.00	98	0.85	28	MS	SW		
112.78	115.82	3.04	2.91	96	2.08	68	MS	SW		
115.82	118.87	3.05	3.00	98	1.13	37	MS	SW		
118.87	121.92	3.05	2.82	92	1.68	55	MS	SW		
121.92	124.97	3.05	2.84	93	0.82	27	MS	SW		
124.97	128.02	3.05	2.96	97	0.65	21	MS	SW		
128.02	131.06	3.04	2.96	97	0.93	31	MS	SW		
131.06	134.11	3.05	2.75	90	0.38	12	MS	SW		
134.11	135.03	0.92	0.76	83	0.00	0	MS	SW		
135.03	136.55	1.52	1.40	92	0.43	28	MS	SW		
136.55	137.46	0.91	0.63	69	0.00	0	MS	SW		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
137.46	138.52	1.06	1.00	94	0.42	40	MS	SW		
138.52	140.51	1.99	1.99	100	0.43	22	MS	SW		
140.51	142.95	2.44	2.01	82	1.10	45	MS	SW		
142.95	143.87	0.92	0.81	88	0.00	0	MS	SW		
143.87	146.30	2.43	2.24	92	1.90	78	MS	SW		
146.30	148.13	1.83	1.83	100	0.99	54	MS	SW		
148.13	150.27	2.14	0.98	46	1.32	62	MS	SW		
150.27	151.18	0.91	0.83	91	0.15	16	MS	SW		
151.18	153.31	2.13	2.03	95	0.71	33	MS	SW		
153.31	154.84	1.53	1.39	91	0.32	21	MS	SW		
154.84	156.36	1.52	1.30	86	0.18	12	MS	SW		
156.36	157.58	1.22	1.18	97	0.00	0	MS	SW		
157.58	158.19	0.61	0.40	66	0.00	0	MS	SW		
158.19	159.41	1.22	0.93	76	0.22	18	MS	SW		
159.41	161.54	2.13	1.22	57	0.46	22	MS	SW		
161.54	164.59	3.05	2.87	94	1.97	65	MS	FR		
164.59	167.64	3.05	3.05	100	2.17	71	MS	FR		
167.64	170.69	3.05	2.92	96	2.78	91	MS	FR		
170.69	173.74	3.05	2.98	98	1.40	46	MS	FR		
173.74	176.78	3.04	2.98	98	2.08	68	MS	FR		
176.78	179.83	3.05	3.01	99	0.52	17	MS	FR		
179.83	182.88	3.05	2.96	97	0.58	19	MS	FR		
182.88	185.93	3.05	2.86	94	0.23	8	MS	FR		
185.93	188.98	3.05	2.99	98	0.40	13	MS	FR		
188.98	192.02	3.04	3.00	99	1.34	44	MS	FR		
192.02	195.07	3.05	3.01	99	0.87	29	MS	FR		
195.07	198.12	3.05	2.85	93	0.84	28	MS	FR		
198.12	201.17	3.05	2.96	97	1.11	36	MS	FR		
201.17	204.22	3.05	2.87	94	1.19	39	MS	FR		
204.22	207.26	3.04	3.00	99	0.90	30	MS	FR		
207.26	210.31	3.05	3.05	100	2.44	80	MS	FR		
210.31	213.36	3.05	3.02	99	1.62	53	MS	FR		
213.36	216.41	3.05	3.03	99	2.53	83	MS	FR		
216.41	219.46	3.05	3.01	99	2.60	85	MS	FR		
219.46	222.50	3.04	2.88	95	2.18	72	MS	FR		
222.50	225.55	3.05	2.92	96	1.92	63	MS	FR		
225.55	226.47	0.92	0.82	89	0.29	32	MS	FR		
226.47	228.60	2.13	2.10	99	0.60	28	MS	FR		
228.60	231.65	3.05	2.98	98	2.30	75	MS	FR		
231.65	234.70	3.05	2.85	93	1.79	59	MS	FR		
234.70	237.74	3.04	3.04	100	2.66	87	MS	FR		
237.74	240.79	3.05	3.02	99	1.98	65	MS	SW		
240.79	243.84	3.05	2.96	97	2.08	68	MS	SW		
243.84	246.89	3.05	3.05	100	2.67	88	MS	SW		
246.89	249.94	3.05	2.99	98	1.89	62	MS	SW		
249.94	252.98	3.04	2.94	97	2.02	66	MS	SW		
252.98	256.03	3.05	2.79	91	1.15	38	MS	SW		
256.03	259.13	3.10	2.97	96	2.33	75	MS	SW		
259.13	262.13	3.00	2.62	87	1.13	38	MS	SW		
262.13	265.18	3.05	3.02	99	1.38	45	MS	SW		
265.18	267.00	1.82	1.82	100	0.86	47	MS	SW		
267.00	268.22	1.22	1.04	85	0.50	41	W	MW		
268.22	270.66	2.44	2.36	97	0.50	20	W	MW		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
270.66	271.27	0.61	0.61	100	0.00	0	W	HW		
271.27	274.32	3.05	2.82	92	0.59	19	W	MW		
274.32	275.54	1.22	1.20	98	0.00	0	MS	SW		
275.54	277.37	1.83	1.70	93	0.14	8	MS	SW		
277.37	280.42	3.05	2.87	94	1.43	47	MS	SW		
280.42	283.46	3.04	3.04	100	2.63	87	MS	SW		
283.46	286.51	3.05	2.83	93	1.69	55	MS	SW		
286.51	288.04	1.53	1.42	93	0.41	27	MS	SW		
286.51	E.O.H.									

MAGNETIC SUSCEPTIBILITY LOG

HOLE: OC-10-03

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	N/A		N/A	
2.00	LST	sBX	0.00	
3.00	LST	sBX	0.00	
4.00	MST	FOS	0.00	
5.00	MST	FOS	0.00	
6.00	MST	FOS	0.00	
7.00	MST	FOS	0.02	
8.00	LST	sBX	0.04	
9.00	LST	sBX	0.00	
10.00	LST	sBX	0.00	
11.00	LST	sBX	0.00	
12.00	LST	sBX	0.00	
13.00	LST	sBX	0.00	
14.00	LST	sBX	0.38	
15.00	LST	sBX	0.00	
16.00	LST	sBX	0.00	
17.00	LST	sBX	0.14	
18.00	LST	sBX	0.00	
19.00	LST	sBX	0.00	
20.00	LST	sBX	0.00	
21.00	LST	sBX	0.00	
22.00	LST	sBX	0.00	
23.00	LST	sBX	0.00	
24.00	LST	sBX	0.00	
25.00	LST	sBX	0.00	
26.00	LST	sBX	0.00	
27.00	LST	sBX	0.00	
28.00	LST	sBX	0.04	
29.00	LST	sBX	0.04	
30.00	LST	sBX	0.16	
31.00	LST	sBX	0.92	
32.00	LST	sBX	0.06	
33.00	LST	cBX	0.00	
34.00	LST	cBX	0.00	
35.00	LST	sBX	0.00	
36.00	LST	sBX	0.24	
37.00	LST	sBX	0.02	
38.00	LST	sBX	0.00	
39.00	LST	sBX	0.00	
40.00	LST	sBX	0.00	
41.00	LST	sBX	0.00	
42.00	LST	sBX	0.00	
43.00	LST	sBX	0.00	
44.00	LST	sBX	0.32	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	LST	sBX	0.00	
46.00	LST	sBX	0.00	
47.00	LST	sBX	0.04	
48.00	LST	sBX	0.00	
49.00	LST	sBX	0.08	
50.00	MST	GRA	0.00	
51.00	LST	sBX	0.26	
52.00	LST	sBX	0.00	
53.00	LST	sBX	0.00	
54.00	LST	sBX	0.08	
55.00	LST	sBX	0.00	
56.00	LST	sBX	0.00	
57.00	LST	sBX	0.00	
58.00	LST	GRA	0.00	
59.00	LST	GRA	0.02	
60.00	LST	GRA	0.00	
61.00	LST	GRA	0.16	
62.00	LST	GRA	0.00	
63.00	LST	GRA	0.00	
64.00	LST	sBX	0.00	
65.00	LST	sBX	0.00	
66.00	LST	sBX	0.00	
67.00	LST	sBX	0.10	
68.00	LST	sBX	0.00	
69.00	LST	sBX	0.02	
70.00	LST	sBX	0.00	
71.00	LST	sBX	0.04	
72.00	LST	sBX	0.00	
73.00	LST	sBX	0.00	
74.00	LST	sBX	0.00	
75.00	LST	sBX	0.00	
76.00	LST	sBX	0.00	
77.00	LST	sBX	0.04	
78.00	LST	sBX	0.02	
79.00	LST	sBX	0.02	
80.00	LST	sBX	0.00	
81.00	LST	sBX	0.00	
82.00	LST	sBX	0.00	
83.00	LST	sBX	0.00	
84.00	LST	sBX	0.00	
85.00	LST	sBX	0.00	
86.00	LST	sBX	0.57	
87.00	LST	sBX	0.38	
88.00	LST	sBX	0.00	
89.00	LST	sBX	0.00	
90.00	LST	sBX	0.04	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	LST	GRA	0.00	
92.00	LST	sBX	0.59	
93.00	LST	sBX	0.43	
94.00	LST	sBX	0.00	
95.00	LST	sBX	0.06	
96.00	LST	sBX	0.00	
97.00	LST	sBX	0.00	
98.00	LST	sBX	0.00	
99.00	LST	sBX	0.28	
100.00	LST	sBX	0.00	
101.00	LST	sBX	0.00	
102.00	LST	sBX	0.00	
103.00	LST	sBX	0.12	
104.00	LST	sBX	0.16	
105.00	LST	sBX	0.00	
106.00	LST	sBX	0.00	
107.00	LST	sBX	0.00	
108.00	LST	sBX	0.00	
109.00	LST	sBX	0.10	
110.00	LST	sBX	0.00	
111.00	LST	sBX	0.32	
112.00	LST	sBX	0.00	
113.00	LST	sBX	0.00	
114.00	LST	sBX	0.00	
115.00	LST	sBX	0.00	
116.00	LST	sBX	0.00	
117.00	LST	sBX	0.00	
118.00	LST	sBX	0.04	
119.00	LST	sBX	0.06	
120.00	LST	sBX	0.00	
121.00	LST	sBX	0.02	
122.00	LST	sBX	0.00	
123.00	LST	sBX	0.00	
124.00	LST	sBX	0.00	
125.00	LST	cBX	0.00	
126.00	LST	cBX	0.00	
127.00	LST	cBX	0.00	
128.00	LST	cBX	0.00	
129.00	LST	cBX	0.02	
130.00	LST	cBX	0.02	
131.00	LST	cBX	0.14	
132.00	LST	cBX	0.00	
133.00	LST	cBX	0.47	
134.00	LST	cBX	0.34	
135.00	LST	cBX	0.00	
136.00	LST	sBX	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	LST	sBX	1.02	
138.00	LST	sBX	0.00	
139.00	LST	sBX	0.00	
140.00	LST	sBX	0.18	
141.00	LST	sBX	0.00	
142.00	LST	sBX	0.00	
143.00	LST	sBX	0.00	
144.00	LST	sBX	0.00	
145.00	LST	sBX	0.00	
146.00	LST	sBX	0.00	
147.00	LST	sBX	0.00	
148.00	LST	sBX	0.41	
149.00	LST	sBX	0.00	
150.00	LST	sBX	0.00	
151.00	LST	sBX	0.00	
152.00	LST	sBX	0.00	
153.00	LST	sBX	0.00	
154.00	LST	sBX	0.00	
155.00	LST	sBX	0.00	
156.00	LST	sBX	0.30	
157.00	LST	sBX	0.00	
158.00	VOL		0.14	
159.00	VOL		0.02	
160.00	VOL		0.00	
161.00	VOL		0.00	
162.00	VOL		0.00	
163.00	VOL		0.00	
164.00	VOL		0.00	
165.00	LEP		0.10	
166.00	LEP		13.30	
167.00	LEP		32.30	
168.00	LEP		77.40	
169.00	LEP		29.30	
170.00	LEP		14.90	
171.00	LEP		62.30	
172.00	LEP		101.00	
173.00	LEP		0.22	
174.00	LEP		48.50	
175.00	LEP		24.50	
176.00	LEP		0.92	
177.00	LEP		0.38	
178.00	LEP		0.45	
179.00	LEP		0.73	
180.00	VOL		0.20	
181.00	VOL		0.18	
182.00	VOL		0.36	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00	VOL		0.55	
184.00	VOL		0.22	
185.00	VOL		0.28	
186.00	VOL		0.22	
187.00	VOL		0.10	
188.00	VOL		0.63	
189.00	VOL		0.59	
190.00	VOL		0.24	
191.00	VOL		0.88	
192.00	VOL		0.63	
193.00	VOL		0.43	
194.00	VOL		0.79	
195.00	VOL		0.10	
196.00	VOL		0.14	
197.00	VOL		0.00	
198.00	VOL		0.00	
199.00	VOL		0.53	
200.00	VOL		0.86	
201.00	VOL		0.32	
202.00	VOL		1.14	
203.00	VOL		0.30	
204.00	VOL		0.53	
205.00	VOL		0.82	
206.00	VOL		0.73	
207.00	VOL		0.43	
208.00	VOL		0.65	
209.00	VOL		0.84	
210.00	VOL		0.90	
211.00	VOL		0.14	
212.00	VOL		1.08	
213.00	VOL		0.92	
214.00	VOL		0.84	
215.00	VOL		1.41	
216.00	VOL		0.88	
217.00	VOL		0.61	
218.00	SLT		0.00	
219.00	SLT		0.28	
220.00	SLT		0.08	
221.00	SLT		0.47	
222.00	SLT		0.00	
223.00	SLT		0.47	
224.00	SLT		0.69	
225.00	SLT		0.28	
226.00	SLT		0.79	
227.00	SLT		0.00	
228.00	SLT		0.04	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
229.00	SLT		0.00	
230.00	LST	DOL	0.00	
231.00	LST	sBX	0.00	
232.00	LST	sBX	1.68	
233.00	LST	sBX	0.00	
234.00	LST	sBX	0.00	
235.00	LST	sBX	0.00	
236.00	LST	sBX	0.00	
237.00	LST	sBX	0.00	
238.00	LST	sBX	0.02	
239.00	LST	sBX	0.00	
240.00	LST	sBX	0.00	
241.00	LST	sBX	0.00	
242.00	LST	sBX	0.00	
243.00	LST	sBX	0.02	
244.00	LST	sBX	0.00	
245.00	LST	sBX	0.00	
246.00	LST	sBX	0.00	
247.00	LST	sBX	0.00	
248.00	LST	sBX	0.00	
249.00	LST	sBX	0.00	
250.00	LST	sBX	0.00	
251.00	LST	sBX	0.00	
252.00	LST	sBX	0.00	
253.00	LST	sBX	0.02	
254.00	LST	sBX	0.26	
255.00	LST	sBX	0.04	
256.00	LST	sBX	0.00	
257.00	LST	sBX	0.04	
258.00	LST	sBX	0.00	
259.00	LST	sBX	0.00	
260.00	LST	sBX	0.02	
261.00	LST	sBX	0.00	
262.00	LST	sBX	0.02	
263.00	LST	sBX	0.00	
264.00	LST	sBX	0.02	
265.00	LST	sBX	0.20	
266.00	LST	sBX	0.00	
267.00	LST	sBX	0.00	
268.00	LST	sBX	0.00	
269.00	LST	sBX	0.02	
270.00	LST	sBX	0.00	
271.00	LST	sBX	0.00	
272.00	LST	sBX	0.04	
273.00	LST	sBX	0.00	
274.00	LST	sBX	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
275.00	LST	sBX	0.00	
276.00	LST	sBX	0.00	
277.00	LST	sBX	0.12	
278.00	LST	sBX	1.00	
279.00	LST	sBX	0.32	
280.00	LST	sBX	0.00	
281.00	LST	sBX	0.20	
282.00	LST	sBX	0.00	
283.00	LST	sBX	0.00	
284.00	LST	sBX	0.00	
285.00	LST	sBX	0.00	
286.00	LST	sBX	0.00	
287.00	LST	sBX	0.00	
288.00	LST	sBX	0.00	EOH

DENSITY LOG

HOLE: OC-10-03

Depth (m)	Unit	Modifier	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
			Py %	As %	Other	%							
162.64	DOL	MBL	t					14.7	4.2	555.5	359.8	2.78	2.84
168.10	LEP							14.9	4.2	584.3	380.1	2.89	2.86
198.30	VOL							15.0	4.2	586.2	384.0	2.88	2.90
224.00	SLT							14.5	4.2	560.1	364.2	2.84	2.86
229.40	DOL	LST	w				sBX	14.9	4.2	608.3	404.8	3.01	2.99
231.00	LST	DOL						14.8	4.2	566.3	366.9	2.82	2.84

BOX LOG

HOLE: OC-10-03

BOX	FROM (m)	TO (m)
1	1.81	7.05
2	7.05	12.12
3	12.12	17.50
4	17.50	23.20
5	23.20	28.87
6	28.87	34.39
7	34.39	39.62
8	39.62	44.71
9	44.71	49.61
10	49.61	54.61
11	54.61	60.35
12	60.35	64.53
13	64.53	70.17
14	70.17	76.20
15	76.20	81.96
16	81.96	87.71
17	87.71	93.17
18	93.17	98.05
19	98.05	102.82
20	102.82	108.25
21	108.25	113.58
22	113.58	118.87
23	118.87	124.06
24	124.06	128.97
25	128.97	133.36
26	133.36	138.52
27	138.52	143.87
28	143.87	149.64
29	149.64	154.66
30	154.66	160.52
31	160.52	166.02
32	166.02	171.62
33	171.62	177.10
34	177.10	182.50
35	182.50	187.54
36	187.54	193.14
37	193.14	198.97
38	198.97	204.65
39	204.65	210.31
40	210.31	216.02
41	216.02	221.81
42	221.81	227.10
43	227.10	232.85
44	232.85	238.49
45	238.49	244.35
46	244.35	249.60
47	249.60	254.74
48	254.74	260.55
49	260.55	266.15
50	266.15	270.99
51	270.99	276.02
52	276.02	281.67
53	281.67	287.14
54	287.14	288.04
288.04 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
9+600	10+264				301.75

ZONE: Ocelot

SECTION:

HOLE: OC-10-04

CLAIM: R996

Contractor: Beaudoin Drilling

Drill: 4

Core size: BTW

Casing depth: 3.05 m out

Drilling dates: July 25 to July 31, 2010

Geology logged by: Oliver Fu

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	195	-80.0	compass				
301.75	195	-80.0	acid test				

TARGET: Drilling magnetic, and Ipanomalies.

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	3.05	3.05	OVB	Overburden.
3.05	9.80	6.75	MST	Mudstone.
9.80	81.00	71.20	LST	sBX with well preserved fossils, and bitumen-rich coating on fractures.
81.00	105.75	24.75	LST	cBX with numerous faults.
105.75	239.15	133.40	LST	sBX with moderate to strong cBX overprinting. Few tBX zones.
239.15	240.95	1.80	VOL	Sericite altered volcanic
240.95	247.80	6.85	LEP	Volcaniclastic
247.80	275.62	27.82	VOL	Chloritized volcaniclastic.
275.62	292.61	16.99	SLT	Siltstone with calcite amygdales and veins.
292.61	293.15	0.54	DOL	Dolomudstone with disseminated and blotchy pyrite.
293.15	301.75	8.60	LST	sBX. Vuggy with minor pyrite.
301.75	E.O.H.			

SAMPLES

Numbers: G285435 to G285448

Total: 14

Batch: 3

Date Sent: August 5, 2010

Certificate: VA10108984

COMMENTS

The hole was ended because it reached its targeted depth, and passed magnetic and IP anomalies.

GEOLOGY LOG

HOLE: **OC-10-04**

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Galena	Sphalerite	Pyrite	Type	Intensity	Type	Intensity	
0.00	3.05	3.05				OVB			Overburden - no recovery																		
3.05	9.80	6.75				MST		FG	Dark grey to black, aphanitic mudstone with white Ca veinlets scattered throughout. Fractured surfaces show a dark reddish/purple hematite staining. The veinlets range in size from 1 to 2 mm. A gradational lower contact shows the change to the sBX LST unit below.	ICN								HEM	w							
9.80	81.00	71.20				LST	FOS	sBX	Medium to dark grey, FG to MG, sBX dolomitized LST with scattered areas of well preserved fossils. Fossils (mainly rugose corals) range in size between 5 to 30 mm. Areas with a high density of sparry veinlets 3-15 mm wide appear 'zebra-like'. Dark reddish/purple hematite staining is common on fractured surfaces. Vugs are scattered and mainly filled with crystalline DOL, or FG pyro-BIT. A subtle overprinting cBX texture mainly occurs in areas adjacent to crystalline vugs.	FO	50			m													
			10.64	10.82	0.18	LST	RBL		Minor fault? Rubbly grey LST fragments	FLT																
			17.52	17.82	0.30	MST		FG	Dark grey to black, aphanitic mudstone with dark reddish/purple hematite staining.									HEM	t							
			21.20	23.16	1.96		RBL		Fault. Grey rubbly section with rock fragments between 1-2 cm. There are few competent sections between 3-7 cm.	FLT																
			27.00	28.30	1.30	LST	BIT	cBX	BIT-rich coating on fractured surfaces. Section also shows moderate cBX overprinting.									BIT	f							
			33.85	34.55	0.70		RBL		Fault? Grey rubbly rock fragments between 1 to 4 cm.	FLT																
			38.00	38.40	0.40	LST	BIT		Moderately cBX LST with BIT-rich coating on fractured surfaces.																	
			40.60	40.85	0.25	LST	BIT		BIT-rich coating on fractured surfaces of a cBX LST.																	
			45.40	46.65	1.25	LST		sBX	Prominent sparry DOL veins in a sBX LST. Appears 'zebra-like'.	VN																
			50.00	50.05	0.05	LST		sBX	Preferred foliation at 45 deg TCA	FO	45															
			59.15	59.16	0.01	LST	FOS	sBX	Well preserved rugose fossil. Approximately 1.5 cm.																	
			60.00	61.00	1.00		RBL		Fault. Dark green to grey rubble. Rock fragments are between 1 to 3.5 cm.	FLT																
			61.00	68.00	7.00	LST	BIT		BIT-rich coating on fractured surfaces with well preserved fossils. Abundant crystalline vugs infilled with DOL and/or pyro-BIT.																	

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Galena	Sphalerite	Pyrite	Type	Intensity	Type	Intensity	
			75.00	75.35	0.35	LST			Dark grey to black sBX LST with white, MG, euhedral, DOL crystals.																		
			79.52	80.55	1.03	LST	SER	sBX	Light brown to buff, pervasive SER alteration appears to infill interstitial space resulting in a BX texture.									SER	m								
81.00	105.75	24.75				LST	FOS	cBX	Light grey, FG to MG, cBX LST with numerous crystalline DOL, and BIT vugs that range in size from 0.6 to 2 cm. Crystalline DOL, Ca, and BIT are common on fractured surfaces. Light brown to buff SER alteration occasionally occurs on fractured surfaces. Few areas contain well preserved fossils.					s				SER	w								
			83.21	86.50	3.29	LST		sBX	Moderately fractured interval with angular grey fragments that range in size between 3 to 6 cm.	FX																
			87.90	88.10	0.20	LST	BIT		Black BIT-rich layer.																		
			89.80	89.90	0.10		RBL		Faulted interval defined by subrounded pebbles between 0.5 to 3 cm that are coated in BIT.	FLT																
			91.10	91.34	0.24		RBL		Possible fault? Fractured zone with rock with fragments between 2 to 5 cm.	FLT																
			102.25	103.63	1.38		RBL		Possible fault? BIT-rich coating on fractures. Rock fragments are between 2 to 8 cm.	FLT																
			104.25	105.64	1.39		RBL		Fault BIT-rich coating on fractures. Rock fragments are between 2 to 8 cm.	FLT																
			105.75	105.85	0.10		RBL		Fault. BIT-rich coating on fractures. Rock fragments are between 1 to 3 cm.	FLT																
105.75	239.15	133.40				LST		sBX	Medium to dark grey, MG, sBX LST with cBX overprinting with common stylolites throughout. Vugs, occurring throughout are filled with crystalline DOL or pyro-BIT. Dark grey LST clasts are angular to subangular and range in size between 0.5 to 2.5 cm. Few fractured surfaces are coated with BIT. Intervals of silicification occur within.					i				SIL	w								
			115.15	115.30	0.15				Possible fault? Rubbly. Rock fragments are 3 to 6 cm.	FLT																
			115.30	116.15	0.85	LST		sBX	Abundant crystalline DOL and pyro-BIT infilled vugs in a sBX LST. Vugs are between 1 to 3 cm. The unit fizzes weakly with 10% HCl.																		
			159.60	160.02	0.42	LST	BIT		Pyro-BIT-rich coating on fractured surfaces																		
			163.07	163.60	0.53		RBL		Fault. Rubbly, dark grey rock fragments between 0.5 to 2.5 cm are coated with BIT.	FLT								BIT	m								
			163.95	164.35	0.40	LST	FOS	sBX	Dark grey FOS LST with well preserved star crinoids. In general the fossils are between 1 to 1.5 cm in diameter.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Galena	Sphalerite	Pyrite	Type	Intensity	Type	Intensity	
			165.35	183.96	18.61		RBL		Fault. Fractured, rubbly, medium to dark grey LST fragments between 0.5 to 3 cm. There are few competent sections between 5 to 20 cm. These sections contain euhedral DOL crystals, and needle-like BIT crystals. The interval has been strongly silicified, as the rock is very hard.	FLT				s				SIL	s								
			169.00	169.50	0.50	LST	BIT		Pyro-BIT-rich coating on fractured surfaces																		
			175.00	178.00	3.00	LST		cBX	Light grey, highly fractured and rubbly section. Characteristic cBX texture is observed in LST fragments.					s				SIL	s								
			183.40	184.40	1.00	LST		tBX	Dark grey, FG, matrix supported tBX with white angular to subrounded clasts. Unique texture. Clasts range in size between 0.3 to 2.0 cm. Fractures lines on clasts are in line with or oblique to cBX fractures bounding the unit. Section leading up to and after tBX texture shows strong cBX overprinting. Clasts occupy 20-25% section. Sharp lCN and uCN.					s				SIL	s								
			192.35	192.55	0.20	LST		tBX	Dark grey, FG, matrix supported tBX with white angular to subrounded clasts. Unique texture. Clasts range in size between 0.4 to 1.1 cm. Section leading up to and after tBX texture shows strong cBX overprinting. Clasts occupy 50% of section. Clasts weakly fizz with 10% HCl. Sharp lCN and uCN.					m				SIL	s								
			195.42	195.65	0.23		RBL		Possible fault? Rubbly. LST fragments are 3 to 5 cm.	FLT																	
			196.38	196.44	0.06	LST		tBX	Dark grey, FG, matrix supported tBX with white angular to subrounded clasts. Unique texture. Clasts range in size between 0.2 cm to 1.3 cm. Fracture lines on clasts are in line with or oblique to cBX fractures bounding the unit. Section leading up to and after tBX texture shows strong cBX overprinting. Clasts occupy 50% of section and appears graded. Sharp lCN and uCN.					s				SIL	s								
			197.00	223.00	26.00	LST		sBX	Scattered vugs are filled with crystalline DOL or BIT. These vugs are dispersed throughout the section, and range in size between 0.5 to 2.5 cm.					m													
			197.10	197.12	0.02	LST	BIT		Pyro-BIT-rich coating on fractured surfaces.									BIT	m								
			203.60	203.61	0.01	LST	BIT		Pyro-BIT-rich coating on fractured surfaces.									BIT	m								

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other				Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Galena	Sphalerite	Pyrite	Type	Intensity	Type	Intensity	
			213.22	214.18	0.96	LST		tBX	Dark grey, FG, matrix supported tBX with white angular to subrounded clasts. Unique texture. Clasts range in size between 0.5 to 6.0 cm. Fractures lines on clasts are in line with or oblique to cBX fractures bounding the unit. Section leading up to and after tBX texture shows strong cBX overprinting. Clasts occupy 50% of section and appears graded. Sharp lCN and uCN.																			
			231.16	232.10	0.94	LST		tBX	Dark grey, FG, matrix supported tBX with white angular to subrounded clasts. Unique texture. Clasts range in size between 0.5 to 6.0 cm. Fractures lines on clasts are in line with or oblique to cBX fractures bounding the unit. Section leading up to and after tBX texture shows strong cBX overprinting. Clasts occupy 50% of section and appears graded. Sharp lCN and uCN.																			
239.15	240.95	1.80				VOL	SER		Grey to buff, FG to MG, altered VOL with moderate disseminated, interstitial Py. SER alteration results in a buff to yellow sheen on the core, pervasive in some areas. A few Ca veins cross the unit at 30 deg TCA. Entire section moderately fizzes with 10% HCl. The unit has been strongly silicified as it is quite hard.	VN	30							SIL	s			m	SER	m			
240.95	247.80	6.85				LEP			Spotted black and white, MG, LEP with weak disseminated Py. Py occurs in upper 2.0 m of interval. The abundant Ca spots range in size from 1 to 3 mm, and fizz strongly with 10% HCl. Numerous Ca veins crosscut the unit. A sharp lower contact occurs at 45 deg to CA.	uCN	45							CHL	m			w					
									A strong foliation occurs at 50 deg to CA	FO	50																	
247.80	275.62	27.82				VOL			Dark green, FG to MG, soft, intensely chloritized VOL. Ca rich patches occur throughout.									CHL	m								
			252.98	275.62	22.64	VOL			Vugs significantly decrease in concentration									CHL	ms								
			274.28	274.45	0.17	VOL			Qz vein with patches of dark grey to buff SER(?) alteration.	VN								SER	m				Se	m			
275.62	292.61	16.99				SLT		FG	Light to dark grey/black, aphanitic siltstone with crosscutting Ca veins and amygdules. Weak Py is disseminated throughout. Black shear fractures increase in concentration between 289.40 to 290.30 m. Numerous linear vugs are empty or lined with trace crystalline Py.													w						

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Galena	Sphalerite	Pyrite	Type	Intensity	Type	Intensity	
292.61	293.15	0.54				DOL	BIT	AN	Black, aphanitic, altered dolostone. Section has a weak BX appearance. Py is disseminated, or occurs as semi-cubic crystals between 0.3 to 1.0 cm. Unit is moderately fractured and coated with BIT.	FR								BIT	f			m						
293.15	301.75	8.6				LST	sBX		Dark grey, MG, sBX LST with patches of Py throughout. The Py is disseminated and in 0.5 to 2.5 cm patches in the first 2.0 meters of the interval. Vugs are filled with crystalline DOL or pyro-BIT between 299.0 to 301.75 m.												w						
									301.75 m: E.O.H. - The hole was ended because it reached its targeted depth, and passed the targeted magnetic and IP anomalies.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: OC-10-04

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
74.95	77.20	2.25	LST	sBX	2.10	93	G285435	3					
-	-	-	-	-	-	-	G285436	3					BLANK(BTW)
77.20	79.50	2.30	LST	sBX	2.25	98	G285437	3					
78.50	80.50	1.00	LST	sBX	1.00	100	G285438	3					
80.50	83.50	3.00	LST	cBX	2.70	90	G285439	3					
237.05	239.05	2.00	LST	sBX	2.00	100	G285440	3					
239.05	240.95	1.90	VOL		1.90	100	G285441	3					
240.95	243.95	3.00	LEP		2.86	95	G285442	3					
286.61	289.61	3.00	SLT		2.96	99	G285443	3					
289.61	292.61	3.00	SLT		3.00	100	G285444	3					
292.61	294.61	2.00	SLT/LST	sBX	1.84	92	G285445	3					
-	-	-	-	-		-	G285446	3					Standard OC-2
294.61	297.61	3.00	LST	sBX	2.89	96	G285447	3					
297.61	300.61	3.00	LST	sBX	2.82	94	G285448	3					

GEOTECHNICAL LOG

HOLE: **OC-10-04**

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
2.86	3.05	0.19	0.08	42	0.00	0	W	FR		
3.05	5.18	2.13	1.42	67	0.00	0	W	FR		
5.18	6.40	1.22	0.84	69	0.00	0	W	FR		
6.40	8.84	2.44	2.42	99	1.03	43	MS	FR		
8.84	11.89	3.05	2.88	94	1.69	59	MS	FR		
11.89	14.94	3.05	2.91	95	1.60	55	MS	FR		
14.94	15.54	0.60	0.50	83	0.00	0	MS	FR		
15.54	17.07	1.53	1.14	75	0.28	25	MS	FR		
17.07	20.12	3.05	2.77	91	0.87	31	MS	FR		
20.12	21.34	1.22	1.09	89	0.62	57	MS	FR		
21.34	22.86	1.52	1.04	68	0.00	0	MS	FR		
22.86	23.16	0.30	0.20	67	0.00	0	MS	FR		
23.16	24.38	1.22	0.72	59	0.00	0	MS	FR		
24.38	24.99	0.61	0.47	77	0.00	0	MS	FR		
24.99	26.21	1.22	0.79	65	0.00	0	MS	FR		
26.21	27.74	1.53	1.24	81	0.38	31	MS	FR		
27.74	30.48	2.74	2.70	99	1.02	38	MS	FR		
30.48	32.61	2.13	1.31	62	0.21	16	MS	FR		
32.61	34.14	1.53	1.24	81	0.00	0	MS	FR		
34.14	35.36	1.22	1.06	87	0.13	12	MS	FR		
35.36	37.19	1.83	1.42	78	0.63	44	MS	FR		
37.19	38.40	1.21	0.81	67	0.00	0	MS	FR		
38.40	39.62	1.22	1.13	93	0.75	66	MS	FR		
39.62	42.67	3.05	2.95	97	2.55	86	MS	FR		
42.67	45.72	3.05	3.05	100	2.61	86	MS	FR		
45.72	48.77	3.05	2.95	97	2.53	86	MS	FR		
48.77	51.82	3.05	2.95	97	1.90	64	MS	FR		
51.82	54.86	3.04	2.88	95	1.56	54	MS	FR		
54.86	57.91	3.05	2.88	94	1.30	45	MS	FR		
57.91	60.96	3.05	2.04	67	0.35	17	MS	FR		
60.96	62.79	1.83	1.56	85	0.12	8	MS	FR		
62.79	64.01	1.22	1.13	93	0.33	29	MS	FR		
64.01	67.06	3.05	2.62	86	0.67	26	MS	FR		
67.06	70.10	3.04	2.70	89	1.18	44	MS	FR		
70.10	73.15	3.05	3.00	98	0.77	26	MS	FR		
73.15	76.20	3.05	3.05	100	1.51	50	MS	FR		
76.20	79.29	3.09	2.60	84	0.62	24	MS	FR		
79.29	82.30	3.01	3.01	100	0.95	32	MS	FR		
82.30	83.21	0.91	0.70	77	0.17	24	MS	FR		
83.21	85.34	2.13	1.85	87	0.00	0	MS	FR		
85.34	88.39	3.05	2.82	92	0.64	23	MS	FR		
88.39	91.44	3.05	2.84	93	0.30	11	MS	FR		
91.44	94.49	3.05	2.64	87	1.33	50	MS	FR		
94.49	97.54	3.05	3.05	100	2.70	89	MS	FR		
97.54	100.58	3.04	2.91	96	2.70	93	MS	FR		
100.58	103.63	3.05	2.95	97	2.13	72	MS	FR		
103.63	106.68	3.05	2.05	67	0.98	48	MS	FR		
106.68	109.73	3.05	2.98	98	2.28	77	MS	FR		
109.73	112.77	3.04	1.45	48	1.30	90	MS	FR		
112.77	115.82	3.05	3.05	100	3.00	98	MS	FR		
115.82	118.87	3.05	2.80	92	2.07	74	MS	FR		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
118.87	121.92	3.05	3.05	100	2.16	71	MS	FR		
121.92	124.97	3.05	2.88	94	1.63	57	MS	FR		
124.97	126.49	1.52	1.20	79	0.30	25	MS	FR		
126.49	129.54	3.05	2.91	95	1.80	62	MS	FR		
129.54	131.06	1.52	1.51	99	1.25	83	MS	FR		
131.06	134.11	3.05	2.55	84	1.20	47	MS	FR		
134.11	137.16	3.05	3.05	100	0.90	30	MS	FR		
137.16	140.21	3.05	2.97	97	1.92	65	MS	FR		
140.21	143.26	3.05	3.05	100	2.05	67	MS	FR		
143.26	145.08	1.82	1.82	100	1.05	58	MS	FR		
145.08	146.30	1.22	1.19	98	0.82	69	MS	FR		
146.30	149.35	3.05	3.05	100	2.25	74	MS	FR		
149.35	152.40	3.05	3.05	100	1.90	62	MS	FR		
152.40	155.45	3.05	3.05	100	1.33	44	MS	FR		
155.45	158.50	3.05	3.05	100	1.04	34	MS	FR		
158.50	160.02	1.52	1.39	91	0.22	16	MS	FR		
160.02	163.07	3.05	3.05	100	1.15	38	MS	FR		
163.07	164.69	1.62	1.60	99	0.43	27	MS	FR		
164.69	165.20	0.51	0.50	98	0.00	0	MS	FR		
165.20	165.51	0.31	0.20	65	0.00	0	W	FR		
165.51	167.64	2.13	1.87	88	0.00	0	W	FR		
167.64	170.69	3.05	2.59	85	0.15	6	W	FR		
170.69	173.74	3.05	2.68	88	0.14	5	W	FR		
173.74	176.78	3.04	2.75	90	0.21	8	W	FR		
176.78	179.83	3.05	2.43	80	0.41	17	W	FR		
179.83	182.88	3.05	2.38	78	0.00	0	W	FR		
182.88	185.93	3.05	2.52	83	1.00	40	MS	FR		
185.93	188.98	3.05	3.05	100	2.23	73	MS	FR		
188.98	192.02	3.04	3.04	100	2.93	96	MS	FR		
192.02	195.07	3.05	3.02	99	2.72	90	MS	FR		
195.07	198.12	3.05	3.05	100	1.35	44	MS	FR		
198.12	201.17	3.05	2.95	97	2.66	90	MS	FR		
201.17	204.22	3.05	3.05	100	2.71	89	MS	FR		
204.22	207.26	3.04	2.97	98	1.66	56	MS	FR		
207.26	210.31	3.05	3.03	99	2.40	79	MS	FR		
210.31	213.36	3.05	3.05	100	2.53	83	MS	FR		
213.36	216.41	3.05	3.05	100	1.75	57	MS	FR		
216.41	219.46	3.05	3.05	100	2.79	91	MS	FR		
219.46	222.50	3.04	3.04	100	1.68	55	MS	FR		
222.50	225.55	3.05	3.05	100	1.97	65	MS	FR		
225.55	228.60	3.05	3.05	100	0.84	28	MS	FR		
228.60	231.65	3.05	3.05	100	1.88	62	MS	FR		
231.65	234.70	3.05	2.99	98	1.63	55	MS	FR		
234.70	237.74	3.04	2.90	95	0.95	33	MS	FR		
237.74	240.79	3.05	3.05	100	2.21	72	MS	FR		
240.79	243.84	3.05	3.02	99	2.82	93	MS	FR		
243.84	246.89	3.05	3.05	100	2.75	90	MS	FR		
246.89	249.94	3.05	2.93	96	1.15	39	MS	FR		
249.94	252.98	3.04	2.98	98	0.22	7	MS	FR		
252.98	256.03	3.05	3.05	100	0.29	10	MS	FR		
256.03	259.08	3.05	3.05	100	2.83	93	MS	FR		
259.08	262.13	3.05	3.04	100	2.39	79	MS	FR		
262.13	265.18	3.05	3.02	99	2.52	83	MS	FR		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
265.18	268.22	3.04	3.04	100	2.77	91	MS	FR		
268.22	271.27	3.05	2.90	95	2.26	78	MS	FR		
271.27	274.32	3.05	3.01	99	2.42	80	MS	FR		
274.32	277.37	3.05	3.05	100	1.81	59	MS	FR		
277.37	280.42	3.05	2.87	94	1.92	67	MS	FR		
280.42	283.46	3.04	3.04	100	2.96	97	MS	FR		
283.46	286.51	3.05	3.04	100	2.95	97	MS	FR		
286.51	289.56	3.05	2.97	97	2.84	96	MS	FR		
289.56	292.61	3.05	3.05	100	1.45	48	MS	FR		
292.61	295.66	3.05	3.03	99	2.51	83	MS	FR		
295.66	298.70	3.04	2.66	88	1.61	61	MS	FR		
298.70	301.75	3.05	3.05	100	2.07	68	MS	FR		
301.75	E.O.H.									

MAGNETIC SUSCEPTIBILITY LOG

HOLE: OC-10-04

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	OVB		N/A	
2.00	OVB		N/A	
3.00	OVB		N/A	
4.00	MST	AN	0.00	
5.00	MST	AN	0.00	
6.00	MST	AN	0.00	
7.00	MST	AN	0.00	
8.00	MST	AN	0.00	
9.00	MST	AN	0.00	
10.00	LST	sBX	0.00	
11.00	LST	sBX	0.69	
12.00	LST	sBX	0.00	
13.00	LST	sBX	0.00	
14.00	LST	sBX	0.00	
15.00	LST	sBX	0.00	
16.00	LST	sBX	0.00	
17.00	LST	sBX	0.02	
18.00	LST	sBX	0.00	
19.00	LST	sBX	0.30	
20.00	LST	sBX	0.00	
21.00	LST	sBX	0.06	RBL
22.00	LST	sBX	0.00	RBL
23.00	LST	sBX	0.00	RBL
24.00	LST	sBX	0.02	
25.00	LST	sBX	0.00	
26.00	LST	sBX	0.00	
27.00	LST	BIT	0.00	
28.00	LST	BIT	0.00	
29.00	LST	sBX	0.00	
30.00	LST	sBX	0.00	
31.00	LST	sBX	0.00	
32.00	LST	sBX	0.00	
33.00	LST	sBX	0.00	
34.00	LST	sBX	0.00	RBL
35.00	LST	sBX	0.00	
36.00	LST	sBX	0.00	
37.00	LST	sBX	0.00	
38.00	LST	BIT	0.00	
39.00	LST	sBX	0.00	
40.00	LST	sBX	0.00	
41.00	LST	sBX	0.00	
42.00	LST	sBX	0.16	
43.00	LST	sBX	0.00	
44.00	LST	sBX	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	LST	sBX	0.00	
46.00	LST	sBX	0.00	
47.00	LST	sBX	0.08	
48.00	LST	sBX	0.00	
49.00	LST	sBX	0.00	
50.00	LST	sBX	0.00	
51.00	LST	sBX	0.00	
52.00	LST	sBX	0.20	
53.00	LST	sBX	0.00	
54.00	LST	sBX	0.04	
55.00	LST	sBX	0.00	
56.00	LST	sBX	0.00	
57.00	LST	sBX	0.00	
58.00	LST	sBX	0.00	
59.00	LST	sBX	0.00	
60.00	LST	sBX	0.00	RBL
61.00	LST	sBX	0.00	RBL
62.00	LST	BIT	0.00	
63.00	LST	BIT	0.00	
64.00	LST	BIT	0.14	
65.00	LST	BIT	0.00	
66.00	LST	BIT	0.00	
67.00	LST	BIT	0.00	
68.00	LST	BIT	0.02	
69.00	LST	sBX	0.00	
70.00	LST	sBX	0.00	
71.00	LST	sBX	0.00	
72.00	LST	sBX	0.00	
73.00	LST	sBX	0.00	
74.00	LST	sBX	0.00	
75.00	LST		0.02	
76.00	LST	sBX	0.16	
77.00	LST	sBX	0.04	
78.00	LST	sBX	0.00	
79.00	LST	sBX	0.55	
80.00	LST	sBX	0.00	
81.00	LST	cBX	0.08	
82.00	LST	cBX	0.06	
83.00	LST	cBX	0.00	
84.00	LST	sBX	1.33	
85.00	LST	sBX	0.08	
86.00	LST	sBX	0.00	
87.00	LST	cBX	0.00	
88.00	LST	BIT	1.04	
89.00	LST	cBX	1.22	
90.00	LST	cBX	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	LST	cBX	0.00	
92.00	LST	cBX	0.00	
93.00	LST	cBX	0.00	
94.00	LST	cBX	0.00	
95.00	LST	cBX	0.00	
96.00	LST	cBX	0.00	
97.00	LST	cBX	0.00	
98.00	LST	cBX	0.00	
99.00	LST	cBX	0.00	
100.00	LST	cBX	0.00	
101.00	LST	cBX	0.00	
102.00	LST	cBX	0.16	
103.00	LST	cBX	0.00	RBL
104.00	LST	cBX	0.00	
105.00	LST	cBX	0.00	RBL
106.00	LST	sBX	0.00	
107.00	LST	sBX	0.22	
108.00	LST	sBX	1.57	
109.00	LST	sBX	0.00	
110.00	LST	sBX	0.04	
111.00	LST	sBX	0.00	
112.00	LST	sBX	0.00	
113.00	LST	sBX	0.00	
114.00	LST	sBX	0.00	
115.00	LST	sBX	0.00	
116.00	LST	sBX	0.00	
117.00	LST	sBX	0.00	
118.00	LST	sBX	0.69	
119.00	LST	sBX	0.00	
120.00	LST	sBX	0.24	
121.00	LST	sBX	0.00	
122.00	LST	sBX	0.00	
123.00	LST	sBX	0.10	
124.00	LST	sBX	0.02	
125.00	LST	sBX	0.00	
126.00	LST	sBX	0.00	
127.00	LST	sBX	0.00	
128.00	LST	sBX	0.00	
129.00	LST	sBX	0.00	
130.00	LST	sBX	0.00	
131.00	LST	sBX	0.00	
132.00	LST	sBX	0.02	
133.00	LST	sBX	0.00	
134.00	LST	sBX	0.00	
135.00	LST	sBX	0.00	
136.00	LST	sBX	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	LST	sBX	0.04	
138.00	LST	sBX	0.00	
139.00	LST	sBX	0.00	
140.00	LST	sBX	0.28	
141.00	LST	sBX	0.75	
142.00	LST	sBX	0.47	
143.00	LST	sBX	0.00	
144.00	LST	sBX	0.00	
145.00	LST	sBX	0.00	
146.00	LST	sBX	0.00	
147.00	LST	sBX	0.00	
148.00	LST	sBX	0.00	
149.00	LST	sBX	0.00	
150.00	LST	sBX	0.00	
151.00	LST	sBX	0.02	
152.00	LST	sBX	0.00	
153.00	LST	sBX	0.02	
154.00	LST	sBX	0.00	
155.00	LST	sBX	0.00	
156.00	LST	sBX	0.02	
157.00	LST	sBX	0.00	
158.00	LST	sBX	0.00	
159.00	LST	sBX	0.04	
160.00	LST	BIT	0.00	
161.00	LST	sBX	0.02	
162.00	LST	sBX	0.04	
163.00	LST	sBX	0.00	
164.00	LST	sBX	0.00	
165.00	LST	sBX	0.00	
166.00	LST	sBX	0.14	RBL
167.00	LST	sBX	0.00	RBL
168.00	LST	sBX	0.00	RBL
169.00	LST	BIT	0.00	RBL
170.00	LST	sBX	0.00	RBL
171.00	LST	sBX	0.04	RBL
172.00	LST	sBX	0.06	RBL
173.00	LST	sBX	0.36	RBL
174.00	LST	sBX	0.00	RBL
175.00	LST	cBX	0.00	RBL
176.00	LST	cBX	0.00	RBL
177.00	LST	cBX	0.00	RBL
178.00	LST	cBX	0.02	RBL
179.00	LST	sBX	0.04	RBL
180.00	LST	sBX	0.02	RBL
181.00	LST	sBX	0.04	RBL
182.00	LST	sBX	0.04	RBL

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00	LST	sBX	0.00	RBL
184.00	LST	tBX	0.02	
185.00	LST	sBX	0.00	
186.00	LST	sBX	0.00	
187.00	LST	sBX	0.00	
188.00	LST	sBX	0.06	
189.00	LST	sBX	0.26	
190.00	LST	sBX	0.00	
191.00	LST	sBX	0.04	
192.00	LST	sBX	0.00	
193.00	LST	sBX	0.00	
194.00	LST	sBX	0.08	
195.00	LST	sBX	0.00	
196.00	LST	sBX	0.02	
197.00	LST	sBX	0.00	
198.00	LST	sBX	0.04	
199.00	LST	sBX	0.00	
200.00	LST	sBX	0.20	
201.00	LST	sBX	0.00	
202.00	LST	sBX	0.08	
203.00	LST	sBX	0.00	
204.00	LST	sBX	0.00	
205.00	LST	sBX	0.06	
206.00	LST	sBX	0.06	
207.00	LST	sBX	0.00	
208.00	LST	sBX	0.00	
209.00	LST	sBX	0.00	
210.00	LST	sBX	0.00	
211.00	LST	sBX	0.00	
212.00	LST	sBX	0.00	
213.00	LST	sBX	0.06	
214.00	LST	tBX	0.00	
215.00	LST	sBX	0.00	
216.00	LST	sBX	0.18	
217.00	LST	sBX	0.06	
218.00	LST	sBX	0.00	
219.00	LST	sBX	0.02	
220.00	LST	sBX	0.04	
221.00	LST	sBX	0.00	
222.00	LST	sBX	0.00	
223.00	LST	sBX	0.02	
224.00	LST	sBX	0.00	
225.00	LST	sBX	0.02	
226.00	LST	sBX	0.02	
227.00	LST	sBX	0.10	
228.00	LST	sBX	0.18	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
229.00	LST	sBX	0.02	
230.00	LST	sBX	0.04	
231.00	LST	sBX	0.04	
232.00	LST	tBX	0.06	
233.00	LST	sBX	0.10	
234.00	LST	sBX	0.00	
235.00	LST	sBX	0.00	
236.00	LST	sBX	0.02	
237.00	LST	sBX	0.02	
238.00	LST	sBX	0.20	
239.00	LST	sBX	0.08	
240.00	VOL		0.18	
241.00	LEP		0.41	
242.00	LEP		0.49	
243.00	LEP		0.84	
244.00	LEP		0.41	
245.00	LEP		0.30	
246.00	LEP		0.51	
247.00	LEP		0.65	
248.00	VOL		0.61	
249.00	VOL		0.41	
250.00	VOL		0.34	
251.00	VOL		0.00	
252.00	VOL		0.38	
253.00	VOL		1.10	
254.00	VOL		0.47	
255.00	VOL		0.49	
256.00	VOL		0.47	
257.00	VOL		0.43	
258.00	VOL		0.61	
259.00	VOL		0.61	
260.00	VOL		0.75	
261.00	VOL		0.59	
262.00	VOL		0.51	
263.00	VOL		0.43	
264.00	VOL		0.79	
265.00	VOL		0.65	
266.00	VOL		0.57	
267.00	VOL		0.61	
268.00	VOL		0.79	
269.00	VOL		0.51	
270.00	VOL		0.53	
271.00	VOL		0.55	
272.00	VOL		0.71	
273.00	VOL		0.67	
274.00	VOL		0.71	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
275.00	VOL		0.53	
276.00	SLT		0.63	
277.00	SLT		0.30	
278.00	SLT		0.18	
279.00	SLT		0.73	
280.00	SLT		0.38	
281.00	SLT		0.86	
282.00	SLT		0.02	
283.00	SLT		0.59	
284.00	SLT		0.32	
285.00	SLT		0.65	
286.00	SLT		1.61	
287.00	SLT		1.43	
288.00	SLT		0.67	
289.00	SLT		0.63	
290.00	SLT		0.12	
291.00	SLT		0.04	
292.00	SLT		0.00	
293.00	DOL	BIT	0.02	
294.00	LST	sBX	0.02	
295.00	LST	sBX	0.00	
296.00	LST	sBX	0.00	
297.00	LST	sBX	0.06	
298.00	LST	sBX	0.12	
299.00	LST	sBX	0.00	
300.00	LST	sBX	0.02	
301.00	LST	sBX	0.06	EOH

DENSITY LOG

HOLE: OC-10-04

Depth (m)	Unit	Modifier	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
			Py %	As %	Other	%							
76.28	LST	sBx						14.6	4.2	564.3	363.1	2.85	2.80
94.54	LST	sBx						15.0	4.2	577.7	371.7	2.83	2.80
107.35	LST	sBx						14.7	4.2	568.4	366.7	2.85	2.82
147.15	LST	sBx						14.6	4.2	562.9	364.1	2.84	2.83
230.10	LST	cBx						14.9	4.2	580.8	381.8	2.87	2.92
239.47	VOL	SER						14.9	4.2	619.8	417.0	3.06	3.06
246.50	LEP							15.3	4.2	597.0	387.0	2.87	2.84
282.85	SLT							15.0	4.2	568.3	360.5	2.79	2.73

BOX LOG

HOLE: OC-10-04

BOX	FROM (m)	TO (m)
1	2.86	8.39
2	8.39	13.93
3	13.93	19.50
4	19.50	24.99
5	24.99	30.59
6	30.59	36.06
7	36.06	42.00
8	42.00	47.73
9	47.73	53.21
10	53.21	58.72
11	58.72	64.08
12	64.08	69.79
13	69.79	74.72
14	74.72	79.97
15	79.97	84.65
16	84.65	89.27
17	89.27	94.10
18	94.10	99.95
19	99.95	105.64
20	105.64	110.57
21	110.57	115.90
22	115.90	121.52
23	121.52	126.94
24	126.94	132.63
25	132.63	138.22
26	138.22	144.08
27	144.08	149.62
28	149.62	155.25
29	155.25	160.62
30	160.62	165.57
31	165.57	169.99
32	169.99	174.54
33	174.54	178.25
34	178.25	183.96
35	183.96	189.72

BOX	FROM (m)	TO (m)
36	189.72	195.42
37	195.42	200.68
38	200.68	206.08
39	206.08	211.76
40	211.76	217.11
41	217.11	222.50
42	222.50	227.86
43	227.86	232.80
44	232.80	237.88
45	237.88	243.14
46	243.14	248.55
47	248.55	253.77
48	253.77	258.44
49	258.44	264.65
50	264.65	270.45
51	270.45	276.13
52	276.13	281.68
53	281.68	287.75
54	287.75	292.87
55	292.87	298.53
56	298.53	301.75
301.75 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
9+800	10+225				243.54

ZONE: Ocelot

SECTION:

HOLE: OC-10-05

CLAIM: R996

Contractor: Beaudoin Drilling

Drill: 4

Core size: BTW

Casing depth: 4.57 m out

Drilling dates: August 1-3, 2010

Geology logged by: O. Fu, H. Friday

TARGET: Magnetic and IP anomalies.

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	195	-65.0	compass				

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	3.05	3.05	OVB	
3.05	171.45	168.40	LST	Intense DOL with local cBX, tBX, and bitumen.
171.45	173.61	2.16	VOL	Strong SER.
173.61	174.74	1.13	LST	Strong DOL.
174.74	222.55	47.81	LEP	
225.55	E.O.H.			

SAMPLES

Numbers: G285449-G285563

Total: 15

Batch: 3, 4

Date Sent: August 5, 6, 2010

Certificate: VA10108984, VA10111436

COMMENTS

The hole was ended because it was passed the target depth.

GEOLOGY LOG

HOLE: **OC-10-05**

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Galena	Sphalerite	Pyrite	Type	Intensity	Type	Intensity	
0.00	3.05	3.05				OVB			Overburden - 50 cm recovery, DOL LST boulder																		
3.05	9.90	6.85				LST	FOS	FG	Black, aphanitic, intensely dolomitized limestone with cryptic fossils scattered throughout. The interval is moderately fractured up with dark reddish/purple hematite staining coating the fractures.	FX				i									He	s			
			5.23	5.30	0.07		RBL		Fault or cave. Rounded pebbles are between 0.5 tc 1.5 cm.	FLT																	
			6.10	6.20	0.10		RBL			FLT																	
9.90	20.44	10.54				LST		sBX	Dark to light grey, FG to MG, sBX intensely dolomitized LST with cryptic fossils throughout. White sparry veins, stylolites and a minor crackle overprinting textures are common throughout. Dark grey clasts are angular to subrounded.					i														
20.44	46.86	26.42				LST	FOS	FG	Dark grey to black, aphanitic, dolomitized limestone with well preserved fossils throughout. Sparry veins and pervasive crackling is mainly observed in white dolomitized zones. Fossils consist of Halysites (chain coral) as well as a cephalopod at 23.53 m and numerous elongate, spherical fossils.					i														
			27.30	30.99	3.69	DOL			Sparse vugs are infilled with crystalline BIT and DOL.									BIT	w							
			30.99	46.84	15.85	LST	FOS	FG	Moderately to highly fractured interval that consists of 1-4 cm angular fragments and rubbly patches.	FR				i													
			45.16	46.84	1.68		RBL		Black rubbly interval with fragments between 0.5 to 3 cm.	FLT																	
46.86	115.20	68.34				LST		cBX	Grey to dark grey, FG to MG, cBX LST with BIT-rich zones. Section contains numerous rubbly and fractured areas. BIT-stylolitic seams are common throughout.					i														
			48.20	48.77	0.57		RBL		Fault. Mainly rubbly fragments between 0.2 to 1.5 cm with a few semi-competent sections approximately 12 cm long at the centre of the interval.	FLT																	
			48.20	51.82	3.62	LST		sBX	Highly to moderately fractured section with a few competent zones with core lengths between 3 to 15 cm.	FR				i													
			51.20	51.82	0.62		BIT		BIT-rich coating on fractured surfaces									BIT	f							

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Galena	Sphalerite	Pyrite	Type	Intensity	Type	Intensity	
			70.90	72.45	1.55		BIT		Fault. Rubbly section with a BIT-rich coating on fractures. Rock fragments are grey to dark grey, and between 0.5 to 3 cm.	FLT								BIT	f								
			79.79	82.30	2.51	LST		cBX	Highly to moderately fractured section with few competent zones.	FR																	
			89.00	91.90	2.90	LST		sBX	Very subtle sBX textures are seen in few zones. Mainly sparry veins or dark grey remnant clasts.																		
			91.90	92.00	0.10		RBL		Fault. Rubbly section with rock fragments between 0.2 to 0.7 cm.	FLT																	
			91.44	95.50	4.06	LST		sBX	Highly fractured zone. Rock fragments are angular and between 3 to 10 cm.	FR																	
			106.65	106.68	0.03		BIT		BIT-rich coating on fractured surfaces									BIT	w								
115.20	134.22	19.02				LST	tBX		Black, matrix supported, aphanitic, tBX LST with a BIT-rich coating on fractured surfaces. White to light grey breccia clasts are between 0.5 to 2.0 cm, and angular to subrounded.									BIT	w								x
			116.90	118.87	1.97	LST	BIT	RBL	Rubbly. BIT-rich coating on fractured surfaces. Matrix has been altered to black, granular, BIT-rich rubble.									BIT	m								
134.22	171.45	37.23				LST	DOL	cBX	Dark to light grey, FG, cBX, DOL LST with BIT-rich areas. Sections have been silicified, styolites and pyro-BIT seams are common throughout. Ca rimmed 1-4 mm vugs are seen sporadically throughout the interval. Unit fizzes fairly with 10% HCl when scratched.					i				SIL	f								x
									Lower contact into VOL extremely gradational with interfingering for 55 cm.	ICN																	
			147.70	148.00	0.30	LST	BIT	RBL	Dark grey to black, vFG, rubbly, BIT-rich LST interval that is extremely soft and fizzes intensely with 10% HCl. Gradational contacts into surrounding DOL LST									BIT	m								
			150.94	151.18	0.24	LST	BIT		Pyro-BIT present on FX surfaces, as a bright grey/silvery colour with a bulbous structure that occurs with crystalline DOL. The material is soft and weakly reacts with 10% HCl.									BIT	m								
			152.40	155.50	3.10	LST	DOL	RBL	Light grey to buff, FG, bleached DOL LST. Very rubbly with a light orange alteration on the FX surfaces (slight OX? slight Sm?) FX surfaces have a buff, powdery coating. Overall, silicified and weakly reacts to 10% HCl. Small vugs are present throughout interval ~1 mm-1 cm in size. Gradational contacts.							w		BLE	m								
																		SIL	m								

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Galena	Sphalerite	Pyrite	Type	Intensity	Type	Intensity	
			160.51	160.67	0.16	DOL			Medium-grey, CG, DOL crystals with a black bituminous matrix. Crystals ~ 1-2mm. DOL crystals make up 80% of section, 20% BIT-matrix.									BIT	m								x
			169.38	171.45	2.07	LST	DOL		White, CG DOL VN ~10-20 cm thick with no preferred orientation. BIT coating present on FX and in wisps throughout VN	VN			5													x
171.45	173.61	2.16				VOL	SER		Medium grey-green FG, FO, SER VOL. Small (1-3 cm) DOL VNs occur throughout the interval. Trace vFG Py seen along FO, and disseminated FG Py occurs sparsely throughout. Orange-buff wisps seen throughout (SER?). Fuchsite also present in trace amounts	FO	40							SER	s			t	Fu	t			
									Ca VN (1-3cm thick)	VN		240	3														
									Sharp contact back into cBX DOL LST	lCN	20																
173.61	174.74	1.13				LST	DOL	cBX	Dark to medium grey, FG, cBX DOL LST with BIT coating on FX surfaces, along with BIT seams throughout interval. First half of interval more BIT-rich and more rubbly					s				BIT	f									
174.74	225.55	50.81				LEP			Light to dark grey, FG, volcaniclastic LEP unit. Clay-alteration is pervasive throughout. Fizzes intensely with 10% HCl due to Ca patches within. FO is present throughout the unit, being far more evident in some more banded regions. The foliation ranges from 25-60 deg TCA. FG, dull-brownish Py occurs at the top of the interval primarily following the FO, but also disseminated throughout. Trace fine patches/smears of fuchsite are present at the top of the interval. A few sections down interval having little to no Ca patches are present.	Fo	40										w	Fu	t			
									uCN is sharp - defined at 20 deg TCA	uCN	20																
			175.27	176.72	1.45	LEP	CLY		Light grey, bleached, strongly clay altered LEP. Extremely soft. Sharp uCN, gradational lCN.	uCN		80						BLE	s								
			177.35	178.65	1.30	LEP	CLY		Light grey, bleached, strongly clay altered LEP. Extremely soft. Gradational uCN, sharp lCN. Towards lCN, rock becomes more competent with lots of vugs.	lCN		50						BLE	s								
			178.65	180.15	1.50	LEP			Strongly bleached LEP - Light grey to buff in colour									BLE	s								x
			187.48	188.00	0.52	LEP	RBL	CLY	A significantly more broken up and rubbly section made up to angular fragments 0.5-3 cm in diameter. Clay alteration is present on FX surfaces.																			

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Galena	Sphalerite	Pyrite	Type	Intensity	Type	Intensity	
			198.26	207.45	9.19	LEP			White, Ca VT with green stringer veinlets (potentially Chlorite?) approx 0.5-1cm think, occur throughout. 40-50 deg TCA.	VT	45		4														
			203.80			LEP			1 cm thick Ca vein.	VT	40	270														
			213.75	213.85	0.10	LEP			Series of small, broken up Ca VT ~ 0.5 cm thick.	VT	45	200														
									225.55 m - E.O.H. The hole was ended because it was past the targeted IP and Magnetic anomalies.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: OC-10-05

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
112.20	115.20	3.00	LST	cBX	1.90	63	G285449	3					
112.20	115.20	3.00	LST	cBX	1.90	63	G285450	3					Duplicate
115.20	116.95	1.75	LST	tBX	1.60	91	G285451	3					
116.95	117.80	0.85	LST	tBX	0.85	100	G285452	3					
-	-	-	-	-	-	-	G285453	3					Blank (BTW)
117.80	120.80	3.00	LST	tBX	3.00	100	G285454	3					
148.18	151.18	3.00	LST	cBX	3.00	100	G285455	3					
166.38	169.38	3.00	LST	cBX	3.00	100	G285456	3					
169.38	171.45	2.07	LST	cBX	2.07	100	G285457	3					
171.45	173.61	2.16	VOL	SER	2.10	97	G285458	4					
173.61	174.74	1.13	LST	cBX	0.98	87	G285459	4					
174.74	176.72	1.98	LEP	CLY	1.52	77	G285460	4					
176.72	178.65	1.93	LEP	CLY	1.27	66	G285461	4					
178.65	180.15	1.50	LEP		1.50	100	G285462	4					
180.15	183.15	3.00	LEP		2.57	86	G285463	4					

GEOTECHNICAL LOG

HOLE: **OC-10-05**

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
2.45	3.05	0.60	0.60	100	0.00	0	W	FR	
3.05	6.10	3.05	3.03	99	0.72	24	MS	FR	
6.10	9.14	3.04	2.84	93	0.00	0	W	FR	
9.14	12.19	3.05	2.75	90	0.00	0	W	FR	
12.19	15.24	3.05	3.05	100	0.16	5	W	FR	
15.24	18.29	3.05	3.05	100	0.11	4	W	FR	
18.29	21.34	3.05	2.74	90	1.20	44	MS	FR	
21.34	24.38	3.04	3.04	100	1.81	60	MS	FR	
24.38	27.43	3.05	2.93	96	1.68	57	MS	FR	
27.43	30.48	3.05	2.90	95	0.61	21	W	FR	
30.48	33.53	3.05	2.71	89	0.00	0	W	FR	
33.53	36.58	3.05	2.50	82	0.00	0	W	FR	
36.58	39.62	3.04	2.85	94	0.00	0	MS	FR	
39.62	42.68	3.06	2.34	76	0.00	0	MS	FR	
42.68	45.72	3.04	3.04	100	0.40	13	MS	FR	
45.72	48.77	3.05	2.70	89	0.20	7	W	FR	
48.77	51.87	3.10	3.10	100	0.16	5	W	FR	
51.87	54.86	2.99	2.99	100	0.36	12	W	FR	
54.86	57.91	3.05	3.00	98	2.01	67	MS	FR	
57.91	60.96	3.05	3.05	100	1.55	51	MS	FR	
60.96	64.01	3.05	3.00	98	0.64	21	MS	FR	
64.01	67.06	3.05	3.05	100	0.11	4	MS	FR	
67.06	70.10	3.04	3.04	100	1.52	50	MS	FR	
70.10	73.05	2.95	2.80	95	0.00	0	MS	FR	
73.05	76.20	3.15	3.05	97	1.10	36	MS	FR	
76.20	79.25	3.05	3.00	98	0.82	27	MS	FR	
79.25	82.30	3.05	2.90	95	0.15	5	MS	FR	
82.30	85.34	3.04	3.04	100	1.38	45	MS	FR	
85.34	88.39	3.05	3.00	98	1.57	52	MS	FR	
88.39	91.44	3.05	2.95	97	0.65	22	MS	FR	
91.44	94.49	3.05	2.60	85	0.00	0	MS	FR	
94.49	97.54	3.05	3.05	100	0.53	17	MS	FR	
97.54	100.58	3.04	3.04	100	1.61	53	MS	FR	
100.58	103.63	3.05	2.75	90	0.10	4	MS	FR	
103.63	106.68	3.05	3.05	100	0.46	15	MS	FR	
106.68	109.73	3.05	2.90	95	0.45	16	MS	FR	
109.73	112.78	3.05	3.05	100	0.60	20	MS	FR	
112.78	115.82	3.04	3.04	100	0.40	13	MS	FR	
115.82	118.87	3.05	3.05	100	0.00	0	W	FR	
118.87	121.92	3.05	2.81	92	0.29	10	MS	FR	
121.92	124.97	3.05	2.68	88	0.41	15	MS	FR	
124.97	128.02	3.05	3.05	100	1.82	60	MS	FR	
128.02	131.06	3.04	2.97	98	0.86	29	MS	FR	
131.06	134.11	3.05	2.88	94	0.88	31	MS	FR	
134.11	137.16	3.05	2.72	89	0.62	23	MS	FR	
137.16	140.21	3.05	2.95	97	1.48	50	MS	FR	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
140.21	143.26	3.05	2.93	96	1.54	53	MS	FR	
143.26	146.30	3.04	3.01	99	1.24	41	MS	FR	
146.30	149.35	3.05	2.67	88	0.57	21	MS	FR	
149.35	152.40	3.05	2.94	96	0.61	21	MS	FR	
152.40	155.45	3.05	2.31	76	0.38	16	MS	FR	
155.45	158.50	3.05	2.98	98	0.63	21	MS	FR	
158.50	161.54	3.04	2.83	93	1.27	45	MS	FR	
161.54	164.59	3.05	2.54	83	1.12	44	MS	FR	
164.59	167.64	3.05	2.62	86	0.39	15	MS	FR	
167.64	170.69	3.05	2.91	95	1.46	50	MS	FR	
170.69	173.74	3.05	2.93	96	1.58	54	MS	FR	
173.74	176.78	3.04	2.45	81	0.32	13	MS	FR	
176.78	178.31	1.53	0.98	64	0.25	26	MS	FR	
178.31	179.83	1.52	1.52	100	1.00	66	MS	FR	
179.83	182.88	3.05	2.82	92	1.79	63	MS	FR	
182.88	185.93	3.05	2.83	93	0.84	30	MS	FR	
185.93	188.98	3.05	3.01	99	0.74	25	MS	FR	
188.98	192.02	3.04	3.05	100	0.45	15	MS	FR	
192.02	195.07	3.05	2.69	88	0.66	25	MS	FR	
195.07	198.12	3.05	3.05	100	0.70	23	MS	FR	
198.12	201.17	3.05	2.79	91	0.12	4	MS	FR	
201.17	204.22	3.05	2.49	82	0.00	0	MS	FR	
204.22	207.26	3.04	2.79	92	0.19	7	MS	FR	
207.26	210.31	3.05	3.05	100	0.83	27	MS	FR	
210.31	213.36	3.05	3.05	100	0.25	8	MS	FR	
213.36	216.41	3.05	2.76	90	0.91	33	MS	FR	
216.41	219.46	3.05	2.79	91	0.48	17	MS	FR	
219.46	222.50	3.04	2.85	94	0.20	7	MS	FR	
222.50	225.55	3.05	2.79	91	0.00	0	MS	FR	
225.55	E.O.H.								

MAGNETIC SUSCEPTIBILITY LOG

HOLE: OC-10-05

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	OVB		N/A	
2.00	OVB		N/A	
3.00	OVB		0.00	
4.00	DOL	FOS	0.00	
5.00	DOL	FOS	0.22	
6.00	DOL	FOS	0.38	
7.00	DOL	FOS	0.08	
8.00	DOL	FOS	0.00	
9.00	DOL	FOS	0.00	
10.00	LST	sBX	0.24	
11.00	LST	sBX	0.00	
12.00	LST	sBX	0.47	
13.00	LST	sBX	0.00	
14.00	LST	sBX	0.20	
15.00	LST	sBX	0.00	
16.00	LST	sBX	0.38	
17.00	LST	sBX	0.00	
18.00	LST	sBX	0.00	
19.00	LST	sBX	0.00	
20.00	LST	sBX	0.00	
21.00	DOL	FOS	0.00	
22.00	DOL	FOS	0.28	
23.00	DOL	FOS	0.92	
24.00	DOL	FOS	0.16	
25.00	DOL	FOS	0.20	
26.00	DOL	FOS	0.51	
27.00	DOL	FOS	0.00	
28.00	DOL	FOS	0.26	
29.00	DOL	FOS	0.00	
30.00	DOL	FOS	0.30	
31.00	DOL	FOS	0.63	
32.00	DOL	FOS	0.00	
33.00	DOL	FOS	0.00	
34.00	DOL	FOS	0.00	
35.00	DOL	FOS	0.00	
36.00	DOL	FOS	0.71	
37.00	DOL	FOS	0.00	
38.00	DOL	FOS	0.00	
39.00	DOL	FOS	0.65	
40.00	DOL	FOS	0.02	
41.00	DOL	FOS	0.90	
42.00	DOL	FOS	0.00	
43.00	DOL	FOS	0.00	
44.00	DOL	FOS	0.73	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	DOL	FOS	0.06	
46.00	DOL	FOS	0.45	RBL
47.00	LST	cBX	3.77	
48.00	LST	cBX	0.53	
49.00	LST	sBX	0.00	
50.00	LST	sBX	0.22	
51.00	LST	sBX	0.00	
52.00	LST	cBX	0.71	
53.00	LST	cBX	0.00	
54.00	LST	cBX	0.00	
55.00	LST	cBX	0.71	
56.00	LST	cBX	0.47	
57.00	LST	cBX	0.06	
58.00	LST	cBX	0.00	
59.00	LST	cBX	1.06	
60.00	LST	cBX	0.92	
61.00	LST	cBX	0.41	
62.00	LST	cBX	1.51	
63.00	LST	cBX	0.20	
64.00	LST	cBX	0.22	
65.00	LST	cBX	0.00	
66.00	LST	cBX	0.00	
67.00	LST	cBX	0.06	
68.00	LST	cBX	1.57	
69.00	LST	cBX	0.00	
70.00	LST	cBX	0.36	
71.00	LST	cBX	0.00	BIT
72.00	LST	cBX	0.18	BIT
73.00	LST	cBX	0.00	
74.00	LST	cBX	0.08	
75.00	LST	cBX	1.25	
76.00	LST	cBX	0.00	
77.00	LST	cBX	0.57	
78.00	LST	cBX	0.67	
79.00	LST	cBX	0.00	
80.00	LST	cBX	0.00	
81.00	LST	cBX	0.00	
82.00	LST	cBX	0.00	
83.00	LST	cBX	0.00	
84.00	LST	cBX	0.26	
85.00	LST	cBX	0.32	
86.00	LST	cBX	0.00	
87.00	LST	cBX	1.72	
88.00	LST	cBX	0.00	
89.00	LST	sBX	0.08	
90.00	LST	sBX	0.43	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	LST	sBX	2.78	
92.00	LST	cBX	0.88	RBL
93.00	LST	cBX	0.00	
94.00	LST	cBX	0.22	
95.00	LST	cBX	0.08	
96.00	LST	cBX	0.00	
97.00	LST	cBX	0.00	
98.00	LST	cBX	0.00	
99.00	LST	cBX	0.53	
100.00	LST	cBX	1.02	
101.00	LST	cBX	0.94	
102.00	LST	cBX	1.84	
103.00	LST	cBX	0.00	
104.00	LST	cBX	0.06	
105.00	LST	cBX	0.00	
106.00	LST	cBX	0.14	
107.00	LST	cBX	0.00	
108.00	LST	cBX	0.22	
109.00	LST	cBX	0.34	
110.00	LST	cBX	0.94	
111.00	LST	cBX	0.10	
112.00	LST	cBX	0.51	
113.00	LST	cBX	0.00	
114.00	LST	cBX	0.30	
115.00	LST	cBX	0.67	
116.00	LST	tBX	0.53	
117.00	LST	BIT	0.30	
118.00	LST	BIT	0.00	
119.00	LST	tBX	0.96	
120.00	LST	tBX	1.04	
121.00	LST	tBX	1.27	
122.00	LST	tBX	0.59	
123.00	LST	tBX	0.92	
124.00	LST	tBX	0.00	
125.00	LST	tBX	0.00	
126.00	LST	tBX	1.04	
127.00	LST	tBX	0.00	
128.00	LST	tBX	0.18	
129.00	LST	tBX	0.00	
130.00	LST	tBX	0.00	
131.00	LST	tBX	0.77	
132.00	LST	tBX	0.10	
133.00	LST	tBX	0.00	
134.00	LST	tBX	0.00	
135.00	LST	DOL	0.00	
136.00	LST	DOL	0.00	cBX

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	LST	DOL	0.06	cBX
138.00	LST	DOL	0.04	cBX
139.00	LST	DOL	0.00	cBX
140.00	LST	DOL	0.00	cBX
141.00	LST	DOL	0.00	cBX
142.00	LST	DOL	0.55	cBX
143.00	LST	DOL	1.29	cBX
144.00	LST	DOL	0.73	cBX
145.00	LST	DOL	0.38	cBX
146.00	LST	DOL	0.71	cBX
147.00	LST	DOL	0.10	cBX
148.00	LST	BIT	0.04	RBL
149.00	LST	DOL	0.08	cBX
150.00	LST	DOL	0.34	cBX
151.00	LST	BIT	0.00	cBX
152.00	LST	DOL	0.00	cBX
153.00	LST	DOL	1.43	RBL
154.00	LST	DOL	0.00	RBL
155.00	LST	DOL	0.00	RBL
156.00	LST	DOL	0.00	cBX
157.00	LST	DOL	0.00	cBX
158.00	LST	DOL	0.00	cBX
159.00	LST	DOL	0.00	cBX
160.00	LST	DOL	0.00	cBX
161.00	LST	DOL	0.00	cBX
162.00	LST	DOL	0.00	cBX
163.00	LST	DOL	0.00	cBX
164.00	LST	DOL	0.00	cBX
165.00	LST	DOL	0.00	cBX
166.00	LST	DOL	0.00	cBX
167.00	LST	DOL	0.88	cBX
168.00	LST	DOL	1.70	cBX
169.00	LST	DOL	0.87	cBX
170.00	LST	DOL	0.00	cBX
171.00	VOL	SER	0.00	
172.00	VOL	SER	0.00	
173.00	VOL	SER	0.00	
174.00	LST	DOL	0.38	cBX
175.00	LEP		2.43	
176.00	LEP	CLY	0.00	
177.00	LEP		1.27	
178.00	LEP	CLY	1.43	
179.00	LEP		0.36	
180.00	LEP		2.58	
181.00	LEP		0.38	
182.00	LEP		0.63	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00	LEP		1.41	
184.00	LEP		2.17	
185.00	LEP		0.88	
186.00	LEP		2.23	
187.00	LEP		0.00	
188.00	LEP	RBL	0.86	CLY
189.00	LEP		2.64	
190.00	LEP		0.00	
191.00	LEP		2.00	
192.00	LEP		0.79	
193.00	LEP		1.43	
194.00	LEP		0.92	
195.00	LEP		3.34	
196.00	LEP		5.06	
197.00	LEP		0.26	
198.00	LEP		0.55	
199.00	LEP		0.00	
200.00	LEP		0.00	
201.00	LEP		1.25	
202.00	LEP		0.00	
203.00	LEP		0.73	
204.00	LEP		5.61	
205.00	LEP		0.00	
206.00	LEP		2.29	
207.00	LEP		3.56	
208.00	LEP		0.00	
209.00	LEP		0.00	
210.00	LEP		0.79	
211.00	LEP		0.90	
212.00	LEP		8.36	
213.00	LEP		2.50	
214.00	LEP		0.24	
215.00	LEP		3.38	
216.00	LEP		0.00	
217.00	LEP		0.00	
218.00	LEP		2.52	
219.00	LEP		7.21	
220.00	LEP		4.34	
221.00	LEP		0.55	
222.00	LEP		0.22	
223.00	LEP		1.20	
224.00	LEP		2.19	
225.00	LEP		0.73	

DENSITY LOG

HOLE: OC-10-05

Depth (m)	Unit	Modifier	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
			Py %	As %	Other	%							
5.40	DOL						DOLO MUDSTONE	14.5	4.2	564.1	363.0	2.81	2.81

BOX LOG

HOLE: OC-10-05

BOX	FROM (m)	TO (m)
1	2.45	6.98
2	6.98	11.86
3	11.86	15.46
4	15.46	20.30
5	20.30	25.74
6	25.74	30.99
7	30.99	37.03
8	37.03	42.08
9	42.08	46.50
10	46.50	50.50
11	50.50	54.56
12	54.56	60.11
13	60.11	64.97
14	64.97	69.97
15	69.97	74.37
16	74.37	79.79
17	79.79	84.67
18	84.67	89.90
19	89.90	94.92
20	94.92	99.80
21	99.80	104.86
22	104.86	110.29
23	110.29	114.80
24	114.80	119.71
25	118.87	122.98
26	122.98	128.44
27	128.44	133.78
28	133.78	139.08
29	139.08	144.19
30	144.19	149.11
31	149.11	153.51
32	153.51	158.34
33	158.34	163.25
34	163.25	167.95
35	167.95	173.50

BOX	FROM (m)	TO (m)
36	173.50	179.24
37	179.24	185.06
38	185.06	190.26
39	190.26	19.07
40	19.07	200.02
41	200.02	204.59
42	204.59	209.60
43	209.60	214.68
44	214.68	220.23
45	220.23	225.55
225.55 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
10+040NW	10+145NE	528572	7119172	1292	393.65

ZONE: Tiger

SECTION: 10+040 NW

HOLE: **Rau-10-100**

CLAIM: Rau 54

Contractor: Superior

Drill: 1

Core size: BTW

Casing depth: 9.14 m out

Drilling dates: July 17-24, 2010

Geology logged by: K. Unger

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-50.0	compass	286.80	244	-43.6	Ranger
43.00	229	-48.6	Ranger	332.50	246	-42.8	Ranger
164.90	233	-46.6	Ranger	378.30	248	-42.7	Ranger
241.10	239	-45.3	Ranger	393.50	248	-42.3	Ranger

TARGET: The upper Tiger, the main Tiger zone and the other side of the fault.

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	3.93	3.93	OVB	
3.93	83.74	79.81	LST	Dolomitized
83.74	96.10	12.36	DOL	
96.10	116.81	20.71	DVOL	
116.81	134.06	17.25	DOL	Mineralized
134.06	169.61	35.55	DOL	Mineralized Tiger Zone
169.61	250.42	80.81	LEP	
250.42	251.21	0.79	SHL	
251.21	393.65	142.44	LST	Dolomitized
393.65	E.O.H.			

SAMPLES

Numbers: I076382-I076433, I076457-I076459
I076470-I076480

Total: 65

Batch: 53,54,55

Date Sent: July 24, 25, 2010

Certificate: VA10102740, VA10102742, VA10102741

COMMENTS

The hole was ended because it was passed the target depth.

GEOLOGY LOG

HOLE: Rau-10-100

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	3.93	3.93				OVB			Overburden - no recovery																		
3.93	83.74	79.81				LST	DOL	BX	Light to dark grey, variably sBX to mottled "camo" BX, FG to CG, intensely DOL altered LST. Weak OX and SID alteration with trace LIM alteration present, locally increasing in intensity. Trace calcareous fizzing is present along fractures and vugs throughout. Trace fossils are present with depth.					i		w	w	LIM	t								
			3.93	46.97	43.04	LST	DOL	BX	Light to dark grey, CG to FG, intensely DOL altered LST. A white, toothy spar "matrix" supports medium to dark grey "clasts". Fair SID alteration present, VT's of rusty brown siderite crosscut BX textures with Fe staining of LST. Trace stylolites are present throughout cross cutting sBX textures. Fe staining of white matrix minerals increases with depth.					i			f										x
									FO is defined by moderate orientation of BX clasts, oriented 70 to 85 degrees TCA.	FO	75																
									SID VT, dark brown-red with an earthy lustre, 3 mm wide. VT's appear in clusters oriented 25 degrees TCA, 180 degrees to FO and are found at 28.00 and 30.20 m.	VT	25	180														
									Brown-red SID VT, 4 mm wide, 50 degrees TCA, 0 degrees to FO at 30.11 m.	VT	50	0														
									Sinuous, narrow CG Ca VT oriented 20 to 30 degrees TCA, 180 degrees to FO exhibiting a vuggy texture and crosscuts above VT at 30.11 m.	VT	25	180														x
									Sinuous, MG, vuggy Ca VT with a SID altered selvage. MG, sparry Ca partially infill's veinlet void, 3 mm to 1.5 cm wide, oriented 20 degrees TCA and 120 degrees to FO and is found at 31.22 m.	VT	20	120														

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			46.97	52.68	5.71	LST	OX	RB	Rusty red-brown to medium grey, FG to CG, strongly OX, strongly SID altered intensely DOL altered LST. Core is competent to rubbly, poor recovery of core is evident where OX/SID alteration is strongest. sBX textures are exhibited where not overprinted/obliterated by strong OX/SID alteration. Where OX/SID altered, core appears from competent blocks to coarse, subangular rubble >3 mm in size. Trace white and colourless prisms of Qz are found in OX altered rock. ICN and uCN are gradational, defined by the extent of pervasive alteration of host LST.					i		s	s										
									A lack of common fabric or orientation precludes an FO measurement.	FO	n/a																
			52.68	65.11	12.43	LST	DOL	BX	Dark grey to white, FG to CG, intensely DOL altered, variably sBX LST with weak Fe staining near uCN. Fe staining decreases with depth. Dark to medium grey clasts are supported by a CG, white sparry matrix.					i			w											
									FO is generally absent, but where present is defined by BX fabric orientation, 65-70 degrees TCA.	FO	70																
			65.11	73.86	8.75	LST	DOL	MO	Medium to dark grey, FG to MG, fairly fossiliferous "camo" BX, intensely DOL altered LST. Fossils are generally present up hole, becoming trace with depth, a gastropod fossil is found at 70.98 m. Uphole fossils include rugose and halycites fragments with crinoid stems. Rock is most fossiliferous at 62.01 m, becoming halycites-rugosa-crinoid wakestone in composition. 10% of unit is composed of fossils.					i														x
									FO is defined by MO texture, oriented 65 to 80 degrees TCA.	FO	70																
									Numerous narrow, CG Ca stringers loosely follow FO, <2mm wide.	VT	70	0															
			73.86	74.53	0.67	LST	DOL	CG	Medium to light grey, intensely DOL altered LST (skeletal tempestite?). Grains are light coloured, up to 1 mm in size (fossil fragments?) with trace Py present as bright yellow blebs <2 mm in size. Trace vugs exhibit toothy DOL crystals <2 mm in size on cavity walls.					i														
									FO is defined by grain orientation, 70 degrees TCA.	FO	70																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			74.53	82.77	8.24	LST	DOL	BX	Dark to light grey, FG to CG, variably BX, weakly FOS, intensely DOL altered LST. Rock is variably mBX to MO in texture, becoming increasingly MO with depth. Where mBX, darker clasts are supported by a white, sparry matrix. Generally, texture is convolute BX "clasts" (bioturbitation?) where MO. Brown and dark grey, FG mud interbeds become present with depth approaching lCN. Fossils present are brachiopod, gastropod and crinoid fragments, usually where rock exhibits MO textures.					i													
									FO is defined by BX orientation and fabric, 65-90 degrees TCA.	FO	75																
			82.77	83.04	0.27	LST	DOL	CG	light to dark grey, CG to FG, intensely DOL altered LST with narrow, <1 mm ruddy-red VOL interbeds. One-hole crinoid fragments are present (crinoid packstone?). lCN is convolute, defined by a white, toothy Ca VT between this and lower unit.					i														
									FO is defined by the orientation of VOL interbeds, 80 degrees TCA.	FO	80																
									White, sparry CG DOL-Ca VT, lacking uniform orientation, 4 mm wide and defines lCN of CG DOL altered LST above.	VN	n/a															
			83.04	83.74	0.70	LST	DOL	FG	Dark grey, FG, weakly MO LST with dark, undulose, sub-stylolitic dissolution bands throughout. Weak interbeds of dark to medium grey, MG LST are present.					i														
									FO is defined by dissolution bands, 60 to 80 degrees TCA, generally steep throughout.	FO	75																
83.74	96.10	12.36				DOL		CG	White to medium grey, CG to FG, variably deformed, crystalline, intensely DOL altered LST with FG, bleached cBX LST interbeds throughout. FG interbeds have convolute boundaries with CG, crystalline DOL (relict sBX?) Weak Py MX is present as dull, grey-yellow blebs and as a second phase of bright, MG disseminations. Po blebs <6 mm with narrow CHL selvages are associated Qz nodules present in crystalline DOL. Trace favocitid coral fragments are present. A sBX texture becomes dominant with depth.										w		t						
									A lack of common fabric or orientation precludes an FO measurement.	FO	n/a															

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
96.10	116.81	20.71				VOL		BN	Medium to dark green, FG to CG, variably magnetic, variably SER and CHL altered, banded VOL. lCN is sharp, defined by Py band oriented 70 degrees TCA. Py MX is variable, generally fair throughout, present as FG disseminations to banded masses. Trace fuchsite is associated with SER alteration.									SER	s	f			Fu	t			
																		CHL	s								
			96.10	100.81	4.71	VOL	SER	BN	Creamy olive green to brown, FG to CG, strongly SER altered, weakly BIO altered VOL with fair Py MX. SER alteration preferential to bands with BIO alteration often rimming the periphery of SER alteration to forming narrow dark brown bands. Py MX is present as dull, grey-yellow, FG to CG, subhedral crystals forming narrow wisps to 5.9 cm wide bands/masses. Trace FG Po is seen replacing Py. Rock is variably magnetic, less so in SER bands.									SER	s	f		t	Fu	t			
																		BIO	w								
									A strong FO is defined by banding, oriented 70 degrees TCA.	FO	70																	
			100.81	106.95	6.14	VOL	CHL	BN	Black to green, FG to CG, magnetic, strongly CHL altered with trace SER, banded VOL with trace Py MX. Py is present as MG cubic disseminations variably exhibiting exsolution textures, relict Py textures are replaced with white calcite. Lenses and bands of dark VOL (magnetite pebble conglomerate?) throughout. lCN is sharp, defined by a SER altered band below a dark (BIO?) band, oriented 75 degrees TCA.									CHL	s	t			Mg	f			
																		SER	t								
									A strong FO is defined by banding, oriented to 70 degrees TCA.	FO	70																	
			106.95	108.31	1.36	VOL	SER	BN	Olive-yellow to green-brown, FG to CG, intensely SER altered VOL with moderate-strong SIL alteration. Trace Py is present as narrow, ~1 mm bands to rare disseminations of bright yellow subhedral crystals. VOL is magnetic throughout.									SER	i								
									FO is defined by banding, 80 degrees TCA	FO	80							SIL	ms								
									White, CG Qz-Py-Ak VN, with CHL rims around blebs of bright yellow Py. VN is oriented 70 degrees TCA, 0 degrees to FO.	VN	70	0															

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			108.31	116.81	8.50	VOL	SER	BN	Olive green to brown, FG to CG, strongly SER altered, moderately BIO altered, variably magnetic, banded VOL. Moderate magnetite MX is present as MG disseminations to narrow bands. Weak Py MX is present as dull, FG to MG blebs to small bands up to 3.1 cm wide. Trace Po appears as disseminations uphole where BIO alteration is most strong. Trace bright green small ~1 mm smears of Fu are present with SER alteration. SER alteration is more pervasive while BIO alteration is less so with increasing depth. lCN is sharp, defined by a Py band oriented 70 degrees TCA.									SER	s	w		t	Mg	m	Fu	t	
																		BIO	m								
									FO is defined by banding, oriented 70 degrees TCA.	FO	70																	
									Py-Ca-Qz VT, 1.9 cm wide, oriented 30 degrees TCA, 180 degrees to FO, composed of bright, coarse Py with orange-pink Ca and translucent grey Qz at 109.74 m.	VT	30	180																
									CG Py-Ca-Qz VT at 110.53 m, bright euhedral Py is present with orange-pink Ca and grey Qz. Coarse, cubic Py is present in VT selvages, up to 12 cm away from VT margins.	VN	50	180																
116.81	134.06	17.25				DOL	MX		White to dark grey, variably recrystallized, CG DOL with As and banded Py MX. Dark, FG, DOL alt LST interbeds are present uphole and become absent with depth. Py is FG, dull grey-yellow forming bands to masses. As is present as CG, euhedral crystals, metallic silver grey in lustre. Py is present in both the hydrothermal CG DOL and in the FG, DOL altered LST interbeds. Where not CG crystalline DOL, LST exhibits variable sBX textures (karst prep for MX?).					i									m	t					
			116.81	117.87	1.06	DOL	MX	BN	White to medium grey, CG crystalline DOL with banded Py MX and CG As. Narrow clay altered, FG, light brown VOL interbeds are present throughout. Intense Py MX is present as dull yellow, FG to CG subhedral crystals forming bands commonly oriented together. As is present as CG to MG, bright euhedral crystals diminishing in grain size and occurrence with depth. CNs are sharp, defined by Py bands oriented 70 degrees TCA.					i									i	m					

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									FO is strong, defined by Py banding, 70 degrees TCA.	FO	70																
			117.87	120.37	2.50	LST	DOL	FG	Light to dark grey, FG, variably bleached, weakly BX, intensely DOL altered LST with weak Py MX. Subunit is generally FG, dark LST unless where BX; a white sparry CG matrix defines BX textures. Py is present as dull yellow "shotgun" masses approaching lCN in dark, FG DOL altered limey muds, sometimes with trace stylolites.					i							w							
									FO is weak, defined by dissolution textures, 75 to 80 degrees TCA.	FO	75																	
			120.37	122.78	2.41	DOL	MX	CG	Light to medium grey, CG, crystalline DOL with moderate Py MX. DOL crystallization is variable, some dark, FG DOL altered FG "clasts" are present and do not exhibit coarse recrystalization textures. Orientation and boundaries of dark LST clasts are irregular, sometimes exhibiting sBX textures (karst prep for MX?). Py is present as dull, greenish-grey-yellow blobs in DOL to shotgun masses in dark LST. Trace TLC alteration is associated with Qz. Qz nodules (veining?) are intermittent throughout.					i				TLC	t	m							
									A lack of common fabric or orientation precludes a FO measurement.	FO	n/a																
			122.78	129.03	6.25	LST	DOL	BX	Dark to light grey, intensely DOL altered, FG to CG LST with fair CG DOL recrystalization. Generally, sub unit is dark grey LST moderately sBX in texture. Weak Py MX is present as FG, nebulous clouds to blobby masses. Trace Po is associated with Qz, rimming to replacing Py. Trace TLC alteration is present along Qz veinlet selvages.					i				TLC	w								
									A weak FO is defined by weak bedding in LST clasts, oriented 85 degrees TCA.	FO	85																
									Qz veining is shallow and undulose, and only skirts, never cross cuts the core axis. A general orientation of 10 degrees TCA is measured, no thickness measurements can be taken.	VN	10															

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			129.03	134.06	5.03	LST	DOL	CG	White to medium grey, discontinuous bodies of crystalline DOL with lenses of bleached sBX LST hosting weak sulphide MX. The subunit is split 50/50 between crystalline DOL and LST. Bleaching of LST increases with depth. Weak Py and As MX is present, As is found as a large CG mass at 130.51 m. Py is present as FG clouds bounding the As mass, to MG disseminations throughout. Trace Po is present as blebs where Qz is seen.					i						w	w	t					
									A lack of common fabric or orientation precludes a FO measurement.	FO	n/a																
134.06	169.81	35.75				DOL	MX	BN	White to medium grey, CG to MG, crystalline DOL with banded Py MX, weakly vuggy in appearance throughout. Intense Py appears as dull, FG grey-yellow Py bands 1 mm to 8.0 cm wide to CG subhedral masses which exhibit overprinting by trace Po. Trace CG, As is intermittent throughout, forming trace masses of euhedral crystals. Trace Bi is present as large, bright silver, soft crystals proximal to Qz nodules (Qz veining?). Trace soft, pearly plates of talc from TLC alteration of DOL is associated with Qz MX (appearing as convolute veins? geometry is difficult to recognise). lCN is abrupt, trace narrow clay altered "VOL" bands are present over lower 7 cm of unit before reaching lCN defining Py band oriented at 70 degrees TCA.					i				TLC	t	i	t	t	Bi	t			x
									A strong FO is defined by Py banding, oriented 60 to 80 degrees TCA, generally around 70 degrees,	FO	70															

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
169.61	250.42	80.81				LEP		MO	Brown to grey, FG to CG, mottled LEP, variably supported by a white, FG calcite matrix with intermittent, variable lenses of soft, dark FG noncalcareous rock. A weak BN texture is exhibited by dark, FG, narrow, 1 mm wide sericite altered layers 3 mm to 4.5 cm apart. With depth, the white calcite matrix diminishes and rock becomes darker. Weak SIL alteration is associated with Qz veining. SER alteration is intense below uCN over 1.65 m, below that SER is associated with Ca-Qz veining and fractures. Trace Py and Po are present as vFG disseminations, rare throughout. At times, rock exhibits strain/deformation, some sinuous and offset textures indicate weak shearing.									SER	w	t		t						x
									FO is defined by a weak banded texture and mottled orientation, 70 degrees TCA up hole, increasing to 80 degrees but decreasing in strength with depth.	FO	75															
									Translucent grey and white, CG, Qz-Ca vein oriented 70 degrees TCA, 180 degrees to FO. The VN is 5.2 cm wide with sharp margins.	VT	75	180															
									White, CG Ca vein, 9.7 cm wide with a sparry texture. Wide, "baked" selvages up to 76 cm occur on either side of the vein with intense, soft, olive green clay SER alteration of LEP up to 17 cm from the vein margin. The vein is located at 206.70 m.	VT	40	180															
			206.70						White, CG Qz-Ca VN with dark clasts of LEP (?) incorporated into vein material. Weak wisps of CHL are present within vein, interstitially between Qz and Ca. Narrow, soft, dark brown Bi selvages extend 6 mm from vein margins. Vein is located at 212.00 m and is 31 cm wide.	VN	80	n/a															
			211.30						Narrow, MG Ca-Qz VT, 3 mm wide at 211.30 m, oriented 15 degrees TCA, 180 degrees to FO, with trace Po, moderate Py and moderate-strong Cp MX, all present as subhedral, irregular blebs contained within vein margins.	VT	15	180															

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			220.60						White, translucent, CG Qz-Ca VT's, 3 at 220.60 m, 4.7 to 6.9 cm wide. Veinlets are oriented 75 to 85 degrees TCA and 180 degrees to FO. Trace euhedral Po crystals are present in uppermost VT. Where VT's are more Ca rich, VT selvages exhibit strong SER alteration. Lower-most VT is 75% Ca; its selvage is strongly SER altered and 6.2 cm wide. Upper VT's are more Qz rich and do not exhibit SER altered selvages.	VT	75	180										t					
									Creamy white-yellow Ca VT's with grey greenish yellow SER/clay altered selvages, oriented 70 to 75 degrees TCA and are 2 to 3 mm in width. SER alteration is present up to 2.5 cm from VT margins. A lack of foliation in host rock precludes measurement to FO.	VT	75	n/a															
			248.53	250.42	1.89	LEP	BIO		Brown to medium grey, FG to MG, strongly BIO altered LEP. Fair Py MX is present as dull grey-yellow, FG to MG crystals forming cloudy masses up to 9.9 cm wide and as blebs to FG disseminations throughout. SER alteration of Ca VT's appear soft, grey-green in colour. The rock becomes grey gradationally over 30 cm and Py occurs preferentially in these grey zones. The There is a gradational lower contact with dark grey tabular crystals (40% concentration). Rock is blocky at 250.42 m, but a sharp transition from LEP to SHL is seen on a core fragment.	CN							BIO	s	f						
250.42	251.21	0.79				SHL	SIL	FG	Black, FG to MG, weakly bedded with light grey silts, Py MX, moderate-strongly SIL altered SHL. SIL alteration is present below 250.71 m. Strain is exhibited by convolute, sinuous to curvilinear fabric in bedding planes. Py MX is present as dull, grey-yellow amoeboid masses up to 4.4 cm in size to vFG wispy bands. lCN is sharp, defined by a shale bed above BX textures, oriented 65 degrees TCA.	CN							SIL	ms	ms						
									A weak FO is present, defined by bedding fabric in the shale.	FO	65															

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
251.21	393.65	142.44				LST	DOL	BX	Light to medium grey, intensely DOL altered, variably SIL altered, cBX LST with trace Py and graphite mineralization. The LST has a "shattered", cBX texture throughout. DOL alteration is pervasive, rock does not fizz unless scratched. SIL alteration is variable throughout (selvages of Qz veining?), often exhibiting a hardness greater than expected for DOL altered LST.					i				SIL	ms	t			Gr	t			x
			260.60	262.52	1.92	LST	RBL	BX	Medium to light grey, intensely DOL altered, weakly rusted, BX LST. Rock is rubbly to blocky throughout, clasts are >5 mm in size. Fe staining of rock increases with depth, trace HEM alteration is present on rare fracture surfaces.					i				SIL	m									
																		LIM	w								
																		HEM	t								
									A shiny, dark grey slickensides surface on a block of core oriented 0 degrees TCA with narrow, 1-2 mm lineations.	SS	0																
			289.60	316.09	26.49	LST	DOL	BX	White to medium grey, intensely DOL altered, strongly SIL altered, variably BX LST. cBX overprints sBX textures throughout. Rock is harder than usual, some silica rich nodules are intermittent throughout. Trace yellow-rust LIM staining is exhibited on fracture faces. At times, rock appears mottled with white crystals against a medium-grey "matrix" (relict solution textures? recrystalization?) overprinted by dark, FG cBX. White crystals variably exhibit cryptic sparry, CG textures throughout. cBX textures increase in intensity with depth becoming mix in texture in a few local instances only a few cm in width. Trace red Sp MX is hosted within Ca VT's throughout interval.					i				SIL	s				Sp	t			
																		LIM	t								
									Foliation is weakly defined by intermittent cBX orientation, 40-55 degrees TCA.	FO	50																
									Translucent, light grey Ca VT's with red Sp mineralization, 1 to 3 mm in width, oriented 45 to 60 degrees TCA and 0 degrees to FO. VT's crosscut to follow cBX fractures, approximately 1 per m.	VT	50	0	1													
									A translucent, CG, Qz-Ca-Sp VT at 300.48 m is oriented 50 degrees TCA, 0 degrees to FO.	VT	50	0														

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			319.62	326.81	7.19	LST	DOL	BX	Light to dark grey, FG to CG, variably brecciated, intensely DOL altered, strongly SIL altered LST. Relict sBX textures exhibit overprinting by cBX textures. Dark to medium grey sBX clasts are supported by CG, white to light grey matrix. In general, rock is harder than typical DOL LST throughout, with amorphous nodules up to 4 cm in size. SIL/chert nodules appear more often in dark sBX clasts than in lighter matrix. cBX appears variably throughout as dark, fine crackles which at times can appear mBX over a few cm locally.					i				SIL	s									
									A Weak FO is defined by sBX clast orientations, 45 to 60 degrees TCA. Generally FO is 50 degrees throughout where an FO is present.	FO	50																
									Translucent grey, CG, undulose Qz vein, 1.0 cm wide with narrow, < 1 mm calcareous selvages found at 220.34 m. The VT does not crosscut the core axis and is oriented generally 20 degrees TCA and 220 degrees to FO.	VN	20	220															
			335.72	339.85	4.13	LST	DOL	BX	Medium to light grey, FG to CG, intensely DOL altered, moderately SIL altered, tBX with intervals of sBX LST. cBX textures are present, preferentially overprinting sBX, and less so for tBX. Trace Py is present as dull, FG blebs up to 8 mm in size, Py MX is solely contained to tBX textures. tBX exhibits a medium to light grey, FG to MG matrix supporting dark, angular to sub rounded clasts 1 mm to 2.0 cm in size. Where sBX, a light grey to white CG matrix most readily overprinted by cBX supports medium to dark grey clasts typical of sBX textures on the property. Contacts between sBX and tBX textures are sharp and very irregular lacking a common orientation throughout. Trace graphite nodules can appear along tBX-sBX contacts.	CN				i				SIL	m	t			Gr	t			x
									A weak FO is defined by tBX clast orientations, 30 degrees TCA.	FO	30																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			339.85	340.41	0.56	VOL	SER		Grey yellow to grey-blue, FG to MG, weakly banded strongly SER altered VOL with moderate Py MX throughout. A weak banded appearance comes from narrow, ~1 mm Py and clay alteration wisps commonly oriented with the FO. Py is occurs as dull, FG to MG bands 1 mm wide to disseminations throughout, sometimes a dark grey halo is exhibited surrounding Py grains. lCN and uCN are sharp, uCN is oriented 80 degrees TCA, the lCN is irregular with a general orientation of 40 degrees TCA.	CN								SER	s	m						x
									Defined by weak banding in the rock, the FO is oriented 35 to 50 degrees TCA, generally on the steeper side of that range.	FO	45															
			340.41			LST	BLE	BX	Light grey, MG intensely DOL altered, intensely bleached, moderately SIL altered cBX LST with irregular dark VOL masses throughout. A dark cBX texture is pronounced against light, MG core. Bleaching is pervasive throughout (relict MBL alteration?). SIL alteration is present in fracture selvages and as dark, cherty nodules throughout. Where cherty, white, MG euhedral dolomite crystals are often disseminated throughout chert. Narrow, irregular, FG, soft, black VOL (XRF yields high K and Ti measurements)layers are intermittent throughout and host vFG Py disseminations to leticular blebs. A light grey, soft, clay altered VOL layer (similar to subunit above) from 341.66 to 341.88 m hosts FG Py along its margins. cBX textures decrease with depth, sBX textures become more pronounced with depth.					i				SIL	ms	t						x
									FO is defined by cBX orientation, 40 to 50 degrees TCA.	FO	45															
									Translucent to white, CG, Qz-Ca-Sp VT, 7 mm wide, oriented 25 degrees TCA and 270 degrees to FO is found at 344.53 m.	VT	25	270														

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			350.06	393.65	43.59	LST	DOL	BX	Light to dark grey, FG to CG, variably BX, intensely DOL altered, strongly SIL altered LST. sBX to cBX textures dominate with intermittent dark, cherty zones throughout. Where cBX, rock generally appears MG and bleached (relict MBL alt?). CG Qz VT's are present throughout, trace, metallic, deep yellow Py is present along VT selvages as MG, subhedral "shotgun" masses. Trace red HEM alteration is present on some fracture surfaces. Core appears less competent in this interval, generally found in 12 cm blocks.					i				SIL	s										
																		HEM	t									
									FO is defined by cBX and preferential fracturing, 45 to 55 degrees TCA.	FO	50																		
									Translucent, CG Qz VT's, undulose and shallow TCA, sometimes not crosscutting core axis. Yellow, metallic "shotgun" Py occurs variably along VT selvages. A general orientation of 20 degrees TCA is shared between VT's, and are up to 2.1 cm wide.	VT	20																		
									White to light grey, CG dolomite VT @ 363.29 m with dull, grey-yellow small masses of blebby Py. VT has an irregular orientation, generally 30 degrees TCA. A shallow VT offshoot is oriented near parallel to core axis.	VT	30																		
									393.65 m - E.O.H. The hole was ended because it was past the targeted east zone and the below the lower leopard. Also with the depth of the hole and the silicification of the limestone the drill was starting to show signs of difficulty.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-100

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
44.20	46.97	2.77	LST	DOL	2.20	79	I076382	53	<0.01	0.07	151	0.66	
46.97	50.29	3.32	OX		1.90	57	I076383	53	0.08	1.94	3260	14.50	
50.29	52.68	2.39	OX		0.71	30	I076384	53	0.01	1.60	4110	7.15	
52.68	55.00	2.32	LST	DOL	2.24	97	I076385	53	<0.01	0.11	82	1.10	
80.00	82.77	2.77	LST	DOL	2.65	96	I076386	53	0.29	0.08	40	47.80	
82.77	85.00	2.23	LST	DOL	2.33	104	I076387	53	3.85	0.12	61	535.00	
85.00	87.00	2.00	LST	DOL	2.00	100	I076388	53	0.72	0.07	64	114.50	
87.00	90.00	3.00	LST	DOL	3.00	100	I076389	53	0.04	0.12	56	14.60	
90.00	93.05	3.05	LST	DOL	3.00	98	I076390	53	<0.01	0.05	18	2.12	
93.05	96.10	3.05	LST	DOL	2.95	97	I076392	53	0.01	0.11	56	544.00	
96.10	98.00	1.90	VOL	SER	1.89	99	I076393	53	0.02	<0.01	134	6.08	
98.00	100.81	2.81	VOL	SER	2.77	99	I076394	53	<0.01	<0.01	25	1.34	
100.81	103.89	3.08	VOL	CHL	3.08	100	I076396	53	<0.01	<0.01	9	0.31	
103.89	106.95	3.06	VOL	CHL	2.92	95	I076397	53	<0.01	<0.01	6	0.24	
106.95	108.31	1.36	VOL	SER	1.36	100	I076398	53	0.06	<0.01	80	3.84	
108.31	111.25	2.94	VOL	SER	2.94	100	I076399	53	0.02	<0.01	110	5.64	
111.25	114.30	3.05	VOL	SER	2.96	97	I076400	53	0.01	<0.01	11	1.02	
114.30	116.81	2.51	VOL	SER	2.51	100	I076401	53	0.03	<0.01	59	3.76	
116.81	117.87	1.06	DOL	MX	1.02	96	I076403	53	4.74	0.13	11900	367.00	
117.87	120.37	2.50	LST	DOL	2.50	100	I076404	53	0.05	0.06	151	23.30	
120.37	122.78	2.41	DOL	MX	2.38	99	I076405	53	0.14	0.11	1260	35.70	
122.78	125.82	3.04	DOL	MX	3.04	100	I076406	53	0.04	0.04	311	5.83	
122.82	127.85	5.03	DOL	MX	2.03	40	I076407	53	0.39	0.08	961	1240.00	
127.85	129.03	1.18	LST	DOL	1.18	100	I076408	53	0.61	0.05	2230	880.00	
129.03	130.34	1.31	DOL	MX	1.35	103	I076409	54	0.04	0.06	234	3.77	
130.34	131.05	0.71	DOL	MX	0.71	100	I076410	54	1.42	0.07	58600	36.10	
131.05	134.06	3.01	DOL	MX	3.01	100	I076411	54	0.01	0.03	284	4.50	
134.06	136.00	1.94	DOL	MX	2.00	103	I076412	54	1.16	0.12	2080	3300.00	
136.00	138.00	2.00	DOL	MX	2.00	100	I076413	54	1.02	0.15	16100	1885.00	
138.00	140.00	2.00	DOL	MX	2.00	100	I076415	54	0.60	0.05	4280	3650.00	
140.00	142.00	2.00	DOL	MX	2.00	100	I076416	54	0.18	0.07	5520	209.00	
142.00	144.00	2.00	DOL	MX	2.00	100	I076417	54	0.22	0.06	5380	754.00	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
144.00	146.00	2.00	DOL	MX	2.00	100	I076418	54	0.12	0.06	1080	177.00	
146.00	148.00	2.00	DOL	MX	2.00	100	I076420	54	0.12	0.20	1960	7660.00	
148.00	149.00	1.00	DOL	MX	1.00	100	I076421	54	0.76	0.08	15500	275.00	
149.00	151.00	2.00	DOL	MX	1.99	100	I076422	54	0.36	0.16	2680	490.00	
151.00	153	2.00	DOL	MX	2.00	100	I076423	54	0.40	0.11	2760	415.00	
153.00	156.00	3.00	DOL	MX	3.00	100	I076425	54	0.14	0.11	2350	319.00	
156.00	159.00	3.00	DOL	MX	3.00	100	I076426	54	0.03	0.07	596	343.00	
159.00	162.00	3.00	DOL	MX	2.99	100	I076427	54	0.33	0.11	1190	465.00	
162.00	165.00	3.00	DOL	MX	2.98	99	I076428	54	2.33	0.09	25300	382.00	
165.00	168.00	3.00	DOL	MX	2.97	99	I076429	54	2.26	0.09	37000	343.00	
168.00	169.61	1.61	DOL	MX	1.61	100	I076431	54	2.57	0.36	30300	266.00	
169.61	172.21	2.60	LEP		2.56	98	I076432	54	0.01	0.12	59	1.90	
172.21	175.26	3.05	LEP		3.00	98	I076433	54	<0.01	0.16	36	0.57	
245.36	248.41	3.05	LEP		3.02	99	I076457	55	<0.01	0.11	6	0.36	Break in sequence
248.41	251.21	2.80	LEP		2.41	86	I076458	55	0.01	0.55	38	0.80	
251.21	254.21	3.00	LST	DOL	3.00	100	I076459	55	<0.01	0.79	35	0.40	
355.40	358.29	2.89	LST	DOL	2.67	92	I076470	55	<0.01	0.11	6	0.42	
358.29	361.19	2.90	LST	DOL	2.69	93	I076471	55	0.01	0.31	32	1.13	
361.19	364.24	3.05	LST	DOL	3.05	100	I076473	55	0.05	0.48	112	5.24	
364.24	367.28	3.04	LST	DOL	2.87	94	I076474	55	0.21	0.17	65	5.65	
367.28	370.33	3.05	LST	DOL	2.85	93	I076475	55	<0.01	0.04	<5	0.39	
374.60	377.65	3.05	LST	DOL	3.05	100	I076476	55	0.02	0.07	20	0.72	
377.65	380.09	2.44	LST	DOL	2.20	90	I076477	55	0.45	0.44	196	4.53	
380.09	382.52	2.43	LST	DOL	2.43	100	I076479	55	0.04	0.91	40	7.03	
382.52	385.57	3.05	LST	DOL	2.75	90	I076480	55	<0.01	0.08	9	0.67	
90.00	93.05	3.05	LST	DOL	3.00	98	I076391	53	<0.01	0.06	24	2.33	Duplicate
-	-	-	-	-	-	-	I076395	53	0.43	1.72	6740	80.90	Standard RSS-5
-	-	-	-	-	-	-	I076402	53	<0.01	<0.01	<5	0.03	Blank BTW
-	-	-	-	-	-	-	I076414	54	<0.01	0.01	12	3.30	Blank (BTW)
-	-	-	-	-	-	-	I076419	54	1.70	0.28	26400	247.00	Standard RSS-6
-	-	-	-	-	-	-	I076424	54	<0.01	0.01	9	3.22	Blank (BTW)
-	-	-	-	-	-	-	I076430	54	2.45	0.70	1810	87.80	Standard RESS-8

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
-	-	-	-	-	-	-	I076472	55	<0.01	0.01	6	0.08	Blank (BTW)
-	-	-	-	-	-	-	I076478	55	0.46	1.75	6520	72.40	Standard RSS-5

GEOTECHNICAL LOG

HOLE: Rau-10-100

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
4.57	6.71	2.14	0.57	27	0	0	MS	SW		
6.71	7.92	1.21	1.03	85	0.00	0	MS	SW		
7.92	10.67	2.75	2.15	78	1.06	39	MS	SW		
10.67	12.34	1.67	1.64	98	1.38	83	MS	SW		
12.34	15.24	2.90	2.82	97	1.80	62	MS	SW		
15.24	18.29	3.05	3.05	100	2.90	95	MS	SW		
18.29	21.34	3.05	3.05	100	2.90	95	MS	FR		
21.34	24.38	3.04	3.04	100	2.61	86	MS	FR		
24.38	27.43	3.05	3.01	99	2.68	88	MS	FR		
27.43	30.48	3.05	3.00	98	2.79	91	MS	SW		
30.48	33.53	3.05	3.05	100	2.54	83	MS	SW		
33.53	36.58	3.05	3.05	100	2.79	91	MS	SW		
36.58	39.62	3.04	2.76	91	2.47	81	MS	SW		
39.62	41.61	1.99	1.82	91	1.48	74	MS	SW		
41.61	44.20	2.59	2.57	99	1.86	72	MS	SW		
44.20	47.24	3.04	2.53	83	1.71	56	MS	HW		
47.24	50.29	3.05	1.30	43	0.17	6	W	HW		
50.29	53.34	3.05	1.47	48	0.76	25	W	MW		
53.34	56.39	3.05	3.05	100	2.37	78	MS	FR		
56.39	59.44	3.05	3.05	100	2.00	66	MS	FR		
59.44	62.48	3.04	3.04	100	2.58	85	MS	FR		
62.48	65.53	3.05	3.05	100	2.35	77	MS	FR		
65.53	68.58	3.05	3.04	100	2.65	87	MS	FR		
68.58	71.63	3.05	3.05	100	2.88	94	MS	FR		
71.63	74.68	3.05	3.05	100	2.14	70	MS	FR		
74.68	77.72	3.04	2.91	96	1.75	58	MS	FR		
77.72	80.77	3.05	3.05	100	2.95	97	MS	FR		
80.77	83.82	3.05	3.05	100	2.53	83	MS	FR		
83.82	86.87	3.05	3.05	100	2.52	83	MS	FR		
86.87	89.92	3.05	3.05	100	3.01	99	MS	FR		
89.92	92.96	3.04	2.99	98	2.92	96	MS	FR		
92.96	96.01	3.05	3.05	100	2.60	85	MS	FR		
96.01	99.06	3.05	3.05	100	2.20	72	MS	FR		
99.06	102.11	3.05	3.05	100	1.88	62	MS	FR		
102.11	105.16	3.05	3.04	100	2.52	83	MS	FR		
105.16	108.20	3.04	3.01	99	1.70	56	MS	FR		
108.20	111.25	3.05	2.97	97	2.08	68	MS	FR		
111.25	114.30	3.05	2.96	97	1.65	54	MS	FR		
114.30	117.35	3.05	3.05	100	2.28	75	MS	FR		
117.35	120.40	3.05	3.05	100	3.05	100	MS	FR		
120.40	123.44	3.04	3.05	100	2.76	91	MS	FR		
123.44	126.49	3.05	3.00	98	2.60	85	MS	FR		
126.49	129.54	3.05	3.05	100	2.93	96	MS	FR		
129.54	132.59	3.05	3.05	100	2.78	91	H	FR		
132.59	135.64	3.05	3.05	100	2.72	89	MS	FR		
135.64	138.68	3.04	3.03	100	2.73	90	MS	FR		
138.68	141.73	3.05	3.05	100	2.82	92	MS	FR		
141.73	144.78	3.05	3.05	100	3.03	99	MS	FR		
144.78	147.83	3.05	3.05	100	3.05	100	MS	FR		
147.83	150.88	3.05	3.05	100	3.05	100	MS	FR		
150.88	153.92	3.04	3.04	100	2.99	98	MS	FR		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
153.92	156.97	3.05	3.05	100	2.61	86	MS	FR		
156.97	160.02	3.05	3.04	100	2.62	86	MS	FR		
160.02	163.07	3.05	3.04	100	2.57	84	MS	FR		
163.07	166.12	3.05	2.95	97	2.66	87	MS	FR		
166.12	169.16	3.04	3.01	99	2.34	77	MS	FR		
169.16	172.21	3.05	3.05	100	2.01	66	MS	FR		
172.21	175.26	3.05	3.01	99	2.87	94	MS	FR		
175.26	178.31	3.05	3.05	100	2.64	87	MS	FR		
178.31	181.36	3.05	3.05	100	2.80	92	MS	FR		
181.36	184.40	3.04	3.03	100	2.75	90	MS	FR		
184.40	187.45	3.05	3.05	100	2.72	89	MS	FR		
187.45	190.50	3.05	3.03	99	2.90	95	MS	FR		
190.50	193.55	3.05	3.05	100	2.90	95	MS	FR		
193.55	196.60	3.05	3.05	100	2.84	93	MS	FR		
196.60	199.64	3.04	3.03	100	2.96	97	MS	FR		
199.64	202.69	3.05	3.04	100	2.83	93	MS	FR		
202.69	205.74	3.05	2.97	97	2.50	82	MS	FR		
205.74	208.79	3.05	2.84	93	2.78	91	MS	FR		
208.79	211.84	3.05	3.05	100	2.94	96	MS	FR		
211.84	214.88	3.04	3.04	100	2.59	85	MS	FR		
214.88	217.93	3.05	3.03	99	2.91	95	MS	FR		
217.93	220.98	3.05	3.05	100	2.94	96	MS	FR		
220.98	224.03	3.05	3.05	100	2.95	97	MS	FR		
224.03	227.08	3.05	3.05	100	2.94	96	MS	FR		
227.08	230.12	3.04	3.04	100	3.00	99	MS	FR		
230.12	233.17	3.05	3.05	100	2.82	92	MS	FR		
233.17	236.22	3.05	3.00	98	2.80	92	MS	FR		
236.22	239.27	3.05	3.05	100	2.93	96	MS	FR		
239.27	242.32	3.05	2.99	98	2.99	98	MS	FR		
242.32	245.36	3.04	3.04	100	3.04	100	MS	FR		
245.36	248.41	3.05	3.03	99	2.28	75	MS	FR		
248.41	251.46	3.05	2.84	93	1.68	55	MS	FR		
251.46	254.51	3.05	3.05	100	2.89	95	MS	FR		
254.51	257.56	3.05	3.03	99	2.32	76	MS	FR		
257.56	260.60	3.04	2.89	95	1.83	60	MS	FR		
260.60	262.33	1.73	1.42	82	0.00	0	MS	FR		
262.33	263.47	1.14	0.91	80	0.67	59	MS	FR		
263.47	264.87	1.40	1.40	100	1.19	85	MS	FR		
264.87	267.92	3.05	3.05	100	2.97	97	MS	FR		
267.92	271.12	3.20	3.15	98	2.58	81	MS	FR		
271.12	274.14	3.02	3.02	100	2.29	76	MS	FR		
274.14	277.22	3.08	3.06	99	2.52	82	MS	FR		
277.22	280.42	3.20	3.03	95	2.99	93	MS	FR		
280.42	283.46	3.04	2.99	98	2.14	70	MS	FR		
283.46	284.99	1.53	1.53	100	0.66	43	MS	FR		
284.99	288.03	3.04	2.88	95	1.04	34	MS	FR		
288.03	291.08	3.05	3.05	100	1.52	50	MS	FR		
291.08	294.13	3.05	2.89	95	1.82	60	MS	SW		
294.13	297.18	3.05	2.99	98	1.36	45	MS	SW		
297.18	300.23	3.05	2.87	94	1.37	45	MS	SW		
300.23	302.21	1.98	1.93	97	0.50	25	MS	SW		
302.21	304.65	2.44	1.75	72	1.12	46	MS	SW		
304.65	307.85	3.20	2.30	72	0.57	18	MS	SW		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
307.85	310.90	3.05	3.01	99	1.33	44	MS	SW		
310.90	313.94	3.04	3.00	99	1.86	61	MS	FR		
313.94	316.69	2.75	2.73	99	1.94	71	MS	FR		
316.69	317.30	0.61	0.49	80	0.37	61	MS	FR		
317.30	320.04	2.74	2.72	99	1.38	50	MS	FR		
320.04	323.09	3.05	2.92	96	1.65	54	MS	FR		
323.09	326.14	3.05	2.98	98	1.94	64	MS	FR		
326.14	329.18	3.04	2.85	94	1.55	51	MS	FR		
329.18	332.23	3.05	1.51	50	0.22	7	W	FR		
332.23	335.28	3.05	2.64	87	0.84	28	MS	FR		
335.28	338.33	3.05	3.05	100	3.01	99	MS	FR		
338.33	341.38	3.05	3.03	99	1.82	60	MS	FR		
341.38	344.42	3.04	2.98	98	1.84	61	MS	FR		
344.42	346.25	1.83	1.83	100	0.85	46	MS	FR		
346.25	349.00	2.75	2.65	96	2.00	73	MS	FR		
349.00	350.52	1.52	1.45	95	0.82	54	MS	FR		
350.52	353.57	3.05	3.05	100	1.60	52	MS	FR		
353.57	355.40	1.83	1.74	95	0.12	7	MS	FR		
355.40	356.31	0.91	0.75	82	0.00	0	MS	FR		
356.31	356.77	0.46	0.41	89	0.10	22	MS	FR		
356.77	358.29	1.52	1.42	93	0.50	33	MS	FR		
358.29	361.19	2.90	2.81	97	0.85	29	MS	FR		
361.19	364.24	3.05	3.05	100	1.60	52	MS	FR		
364.24	367.28	3.04	2.91	96	1.20	39	MS	FR		
367.28	370.33	3.05	2.82	92	0.46	15	MS	FR		
370.33	371.55	1.22	0.95	78	0.00	0	MS	FR		
371.55	374.60	3.05	3.05	100	1.11	36	MS	FR		
374.60	377.65	3.05	3.05	100	1.62	53	MS	FR		
377.65	380.09	2.44	2.11	86	0.64	26	MS	FR		
380.09	382.52	2.43	2.43	100	0.69	28	MS	FR		
382.52	385.59	3.07	2.93	95	1.00	33	MS	FR		
385.59	387.25	1.66	1.56	94	0.20	12	MS	FR		
387.25	387.71	0.46	0.41	89	0.00	0	MS	FR		
387.71	388.92	1.21	1.08	89	0.32	26	MS	FR		
388.92	391.36	2.44	2.20	90	0.49	20	MS	FR		
391.36	393.65	2.29	2.14	93	0.42	18	MS	FR		
393.65	E.O.H.									

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-100

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	OVB		N/A	
2.00	OVB		N/A	
3.00	OVB		N/A	
4.00	LST	DOL	0.00	
5.00	LST	DOL	0.00	
6.00	LST	DOL	0.06	
7.00	LST	DOL	0.00	
8.00	LST	DOL	0.00	
9.00	LST	DOL	0.00	
10.00	LST	DOL	0.10	
11.00	LST	DOL	0.10	
12.00	LST	DOL	2.25	
13.00	LST	DOL	0.00	
14.00	LST	DOL	0.00	
15.00	LST	DOL	0.00	
16.00	LST	DOL	0.00	
17.00	LST	DOL	0.00	
18.00	LST	DOL	0.06	
19.00	LST	DOL	0.00	
20.00	LST	DOL	0.00	
21.00	LST	DOL	0.00	
22.00	LST	DOL	0.00	
23.00	LST	DOL	0.00	
24.00	LST	DOL	0.12	
25.00	LST	DOL	0.08	
26.00	LST	DOL	0.00	
27.00	LST	DOL	0.02	
28.00	LST	DOL	0.41	
29.00	LST	DOL	0.06	
30.00	LST	DOL	0.00	
31.00	LST	DOL	0.18	
32.00	LST	DOL	0.02	
33.00	LST	DOL	0.20	
34.00	LST	DOL	0.00	
35.00	LST	DOL	0.06	
36.00	LST	DOL	0.04	
37.00	LST	DOL	0.00	
38.00	LST	DOL	0.04	
39.00	LST	DOL	0.06	
40.00	LST	DOL	0.02	
41.00	LST	DOL	0.16	
42.00	LST	DOL	0.08	
43.00	LST	DOL	0.02	
44.00	LST	DOL	0.02	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	LST	DOL	0.00	
46.00	LST	DOL	0.04	
47.00	LST	OX	0.12	
48.00	LST	OX	0.59	
49.00	LST	OX	0.06	
50.00	LST	OX	0.24	
51.00	LST	OX	0.47	
52.00	LST	OX	0.02	
53.00	LST	DOL	0.00	
54.00	LST	DOL	0.02	
55.00	LST	DOL	0.00	
56.00	LST	DOL	0.00	
57.00	LST	DOL	0.00	
58.00	LST	DOL	0.00	
59.00	LST	DOL	0.02	
60.00	LST	DOL	0.06	
61.00	LST	DOL	0.43	
62.00	LST	DOL	0.04	
63.00	LST	DOL	0.00	
64.00	LST	DOL	0.02	
65.00	LST	DOL	0.08	
66.00	LST	DOL	0.04	
67.00	LST	DOL	0.00	
68.00	LST	DOL	0.02	
69.00	LST	DOL	0.04	
70.00	LST	DOL	0.00	
71.00	LST	DOL	0.20	
72.00	LST	DOL	0.00	
73.00	LST	DOL	0.00	
74.00	LST	DOL	1.51	
75.00	LST	DOL	0.57	
76.00	LST	DOL	0.00	
77.00	LST	DOL	0.02	
78.00	LST	DOL	0.00	
79.00	LST	DOL	0.45	
80.00	LST	DOL	0.00	
81.00	LST	DOL	0.16	
82.00	LST	DOL	0.22	
83.00	LST	DOL	4.14	
84.00	DOL		2.35	
85.00	DOL		2.56	
86.00	DOL		7.25	
87.00	DOL		3.85	
88.00	DOL		5.94	
89.00	DOL		3.40	
90.00	DOL		4.44	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	DOL		3.58	
92.00	DOL		2.48	
93.00	DOL		0.20	
94.00	DOL		0.65	
95.00	DOL		1.29	
96.00	DOL		0.47	
97.00	VOL		2.41	
98.00	VOL		4.81	
99.00	VOL		0.94	
100.00	VOL		3.85	
101.00	VOL		1.20	
102.00	VOL		39.40	
103.00	VOL		135.00	
104.00	VOL		197.00	
105.00	VOL		33.40	
106.00	VOL		13.50	
107.00	VOL		11.70	
108.00	VOL		5.20	
109.00	VOL		5.90	
110.00	VOL		9.32	
111.00	VOL		20.80	
112.00	VOL		6.00	
113.00	VOL		0.82	
114.00	VOL		1.41	
115.00	VOL		2.35	
116.00	VOL		0.75	
117.00	DOL	MX	8.17	
118.00	DOL	MX	0.20	
119.00	DOL	MX	0.69	
120.00	DOL	MX	1.02	
121.00	DOL	MX	1.37	
122.00	DOL	MX	0.88	
123.00	DOL	MX	2.82	
124.00	DOL	MX	7.97	
125.00	DOL	MX	2.19	
126.00	DOL	MX	0.90	
127.00	DOL	MX	0.26	
128.00	DOL	MX	0.34	
129.00	DOL	MX	4.07	
130.00	DOL	MX	1.29	
131.00	DOL	MX	3.11	
132.00	DOL	MX	17.40	
133.00	DOL	MX	1.90	
134.00	DOL	MX	3.42	
135.00	DOL	MX	27.00	
136.00	DOL	MX	1.47	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	DOL	MX	1.80	
138.00	DOL	MX	0.61	
139.00	DOL	MX	2.21	
140.00	DOL	MX	4.63	
141.00	DOL	MX	0.34	
142.00	DOL	MX	1.43	
143.00	DOL	MX	2.05	
144.00	DOL	MX	0.94	
145.00	DOL	MX	1.02	
146.00	DOL	MX	5.43	
147.00	DOL	MX	0.45	
148.00	DOL	MX	1.37	
149.00	DOL	MX	0.86	
150.00	DOL	MX	1.20	
151.00	DOL	MX	0.69	
152.00	DOL	MX	0.47	
153.00	DOL	MX	1.16	
154.00	DOL	MX	0.30	
155.00	DOL	MX	1.04	
156.00	DOL	MX	9.36	
157.00	DOL	MX	14.70	
158.00	DOL	MX	3.64	
159.00	DOL	MX	1.72	
160.00	DOL	MX	2.35	
161.00	DOL	MX	6.25	
162.00	DOL	MX	0.94	
163.00	DOL	MX	0.14	
164.00	DOL	MX	0.18	
165.00	DOL	MX	2.46	
166.00	DOL	MX	1.64	
167.00	DOL	MX	0.00	
168.00	DOL	MX	0.71	
169.00	DOL	MX	0.00	
170.00	LEP		2.29	
171.00	LEP		0.10	
172.00	LEP		0.16	
173.00	LEP		1.04	
174.00	LEP		0.00	
175.00	LEP		0.38	
176.00	LEP		1.16	
177.00	LEP		0.26	
178.00	LEP		0.43	
179.00	LEP		0.65	
180.00	LEP		0.26	
181.00	LEP		0.36	
182.00	LEP		0.18	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00	LEP		0.55	
184.00	LEP		0.22	
185.00	LEP		0.00	
186.00	LEP		1.37	
187.00	LEP		0.00	
188.00	LEP		0.00	
189.00	LEP		0.00	
190.00	LEP		0.45	
191.00	LEP		0.53	
192.00	LEP		0.51	
193.00	LEP		0.32	
194.00	LEP		0.53	
195.00	LEP		0.41	
196.00	LEP		0.63	
197.00	LEP		0.37	
198.00	LEP		1.06	
199.00	LEP		0.28	
200.00	LEP		0.28	
201.00	LEP		0.08	
202.00	LEP		0.08	
203.00	LEP		0.08	
204.00	LEP		0.61	
205.00	LEP		0.30	
206.00	LEP		0.49	
207.00	LEP		0.00	
208.00	LEP		0.00	
209.00	LEP		0.00	
210.00	LEP		0.06	
211.00	LEP		0.86	
212.00	LEP		0.00	
213.00	LEP		0.45	
214.00	LEP		0.30	
215.00	LEP		1.16	
216.00	LEP		0.16	
217.00	LEP		0.41	
218.00	LEP		1.49	
219.00	LEP		0.00	
220.00	LEP		0.04	
221.00	LEP		0.38	
222.00	LEP		0.00	
223.00	LEP		0.00	
224.00	LEP		0.00	
225.00	LEP		0.24	
226.00	LEP		0.00	
227.00	LEP		0.57	
228.00	LEP		0.20	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
229.00	LEP		0.00	
230.00	LEP		0.00	
231.00	LEP		0.00	
232.00	LEP		0.10	
233.00	LEP		0.32	
234.00	LEP		0.41	
235.00	LEP		0.36	
236.00	LEP		0.36	
237.00	LEP		0.49	
238.00	LEP		0.32	
239.00	LEP		0.26	
240.00	LEP		0.34	
241.00	LEP		0.18	
242.00	LEP		0.32	
243.00	LEP		0.26	
244.00	LEP		0.22	
245.00	LEP		0.30	
246.00	LEP		0.34	
247.00	LEP		0.12	
248.00	LEP		0.36	
249.00	LEP	BIO	0.04	
250.00	LEP	BIO	0.04	
251.00	LST	DOL	0.04	
252.00	LST	DOL	0.02	
253.00	LST	DOL	0.04	
254.00	LST	DOL	0.02	
255.00	LST	DOL	0.08	
256.00	LST	DOL	0.00	
257.00	LST	DOL	0.00	
258.00	LST	DOL	0.00	
259.00	LST	DOL	0.02	
260.00	LST	DOL	0.00	
261.00	LST	RBL	0.00	
262.00	LST	RBL	0.04	
263.00	LST	DOL	0.00	
264.00	LST	DOL	0.02	
265.00	LST	DOL	0.00	
266.00	LST	DOL	0.00	
267.00	LST	DOL	0.00	
268.00	LST	DOL	0.00	
269.00	LST	DOL	0.00	
270.00	LST	DOL	0.00	
271.00	LST	DOL	0.00	
272.00	LST	DOL	0.00	
273.00	LST	DOL	0.00	
274.00	LST	DOL	0.06	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
275.00	LST	DOL	0.00	
276.00	LST	DOL	0.00	
277.00	LST	DOL	0.00	
278.00	LST	DOL	0.00	
279.00	LST	DOL	0.00	
280.00	LST	DOL	0.00	
281.00	LST	DOL	0.00	
282.00	LST	DOL	0.00	
283.00	LST	DOL	0.00	
284.00	LST	DOL	0.02	
285.00	LST	DOL	0.00	
286.00	LST	DOL	0.06	
287.00	LST	DOL	0.04	
288.00	LST	DOL	0.06	
289.00	LST	DOL	0.10	
290.00	LST	DOL	0.00	
291.00	LST	DOL	0.00	
292.00	LST	DOL	0.22	
293.00	LST	DOL	0.22	
294.00	LST	DOL	0.06	
295.00	LST	DOL	0.00	
296.00	LST	DOL	0.00	
297.00	LST	DOL	0.00	
298.00	LST	DOL	0.04	
299.00	LST	DOL	0.00	
300.00	LST	DOL	0.00	
301.00	LST	DOL	0.04	
302.00	LST	DOL	0.00	
303.00	LST	DOL	0.00	
304.00	LST	DOL	0.04	
305.00	LST	DOL	0.00	
306.00	LST	DOL	0.00	
307.00	LST	DOL	0.00	
308.00	LST	DOL	0.00	
309.00	LST	DOL	0.02	
310.00	LST	DOL	0.00	
311.00	LST	DOL	0.04	
312.00	LST	DOL	0.00	
313.00	LST	DOL	0.41	
314.00	LST	DOL	0.16	
315.00	LST	DOL	0.04	
316.00	LST	DOL	0.00	
317.00	LST	DOL	0.00	
318.00	LST	DOL	0.00	
319.00	LST	DOL	0.00	
320.00	LST	DOL	1.12	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
321.00	LST	DOL	0.00	
322.00	LST	DOL	0.00	
323.00	LST	DOL	0.00	
324.00	LST	DOL	0.00	
325.00	LST	DOL	0.00	
326.00	LST	DOL	0.00	
327.00	LST	DOL	0.00	
328.00	LST	DOL	0.00	
329.00	LST	DOL	0.00	
330.00	LST	DOL	0.00	
331.00	LST	DOL	0.00	
332.00	LST	DOL	0.12	
333.00	LST	DOL	0.00	
334.00	LST	DOL	0.00	
335.00	LST	DOL	0.00	
336.00	LST	DOL	0.00	
337.00	LST	DOL	0.00	
338.00	LST	DOL	0.00	
339.00	LST	DOL	0.08	
340.00	VOL	SER	0.00	
341.00	LST	SIL	0.00	
342.00	LST	SIL	0.00	
343.00	LST	SIL	0.00	
344.00	LST	SIL	0.00	
345.00	LST	SIL	0.00	
346.00	LST	SIL	0.04	
347.00	LST	SIL	0.00	
348.00	LST	SIL	0.12	
349.00	LST	SIL	0.08	
350.00	LST	SIL	0.00	
351.00	LST	DOL	1.23	
352.00	LST	DOL	0.00	
353.00	LST	DOL	0.00	
354.00	LST	DOL	1.04	
355.00	LST	DOL	0.14	
356.00	LST	DOL	1.02	
357.00	LST	DOL	0.00	
358.00	LST	DOL	0.18	
359.00	LST	DOL	0.24	
360.00	LST	DOL	0.00	
361.00	LST	DOL	0.57	
362.00	LST	DOL	0.00	
363.00	LST	DOL	0.00	
364.00	LST	DOL	0.00	
365.00	LST	DOL	0.00	
366.00	LST	DOL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
367.00	LST	DOL	0.00	
368.00	LST	DOL	0.00	
369.00	LST	DOL	0.00	
370.00	LST	DOL	0.00	
371.00	LST	DOL	0.00	
372.00	LST	DOL	0.00	
373.00	LST	DOL	0.00	
374.00	LST	DOL	0.88	
375.00	LST	DOL	1.31	
376.00	LST	DOL	0.04	
377.00	LST	DOL	0.00	
378.00	LST	DOL	0.00	
379.00	LST	DOL	0.00	
380.00	LST	DOL	0.00	
381.00	LST	DOL	0.00	
382.00	LST	DOL	0.53	
383.00	LST	DOL	0.00	
384.00	LST	DOL	0.00	
385.00	LST	DOL	0.00	
386.00	LST	DOL	0.00	
387.00	LST	DOL	0.06	
388.00	LST	DOL	0.00	
389.00	LST	DOL	0.00	
390.00	LST	DOL	0.24	
391.00	LST	DOL	0.00	
392.00	LST	DOL	0.00	
393.00	LST	DOL	0.00	EOH

DENSITY LOG

HOLE: Rau-10-100

Depth (m)	Unit	Modifier	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
			Py %	As %	Other	%							
56.00	LST	DOL						15.1	4.2	570.4	365.8	2.78	2.79
70.38	LST	DOL						15.0	4.2	586.7	370.5	2.88	2.71
151.50	DOL	MX	m				FO	14.2	4.2	667.1	475.1	3.46	3.47
168.70	DOL	MX	m				FO	15.2	4.2	665.9	453.5	3.22	3.14
210.16	LEP				Po	t		16.5	4.2	641.9	413.3	2.86	2.81
227.50	LEP		t					16.2	4.2	630.3	400.3	2.86	2.74
248.83	LEP		t					14.9	4.2	584.2	378.0	2.89	2.83
251.00	SHL	SIL	m					15.0	4.2	648.9	446.3	3.18	3.20
251.61	LST	DOL	t					14.8	4.2	578.6	376.3	2.88	2.86
273.82	LST	DOL	t					15.1	4.2	585.7	379.0	2.86	2.83
291.20	LST	DOL						14.8	4.2	572.8	369.5	2.85	2.82
323.37	LST	DOL					SIL	15.1	4.2	568.7	361.0	2.77	2.74
336.99	LST	DOL		w			tBX	14.9	4.2	599.3	391.8	2.96	2.89
340.10	VOL			m			MO	14.8	4.2	601.7	396.2	2.99	2.93
345.77	LST	DOL					cBX	15.0	4.2	588.4	380.9	2.89	2.84
382.80	LST	DOL	t				cBX	14.7	4.2	582.7	380.8	2.92	2.89

BOX LOG

HOLE: Rau-10-100

BOX	FROM (m)	TO (m)
1	3.93	11.13
2	11.13	16.75
3	16.75	22.41
4	22.41	28.04
5	28.04	35.53
6	35.53	39.41
7	39.41	44.68
8	44.68	52.89
9	52.89	58.37
10	58.37	64.07
11	64.07	69.74
12	69.74	75.40
13	75.40	80.93
14	80.93	86.50
15	86.50	92.03
16	92.03	97.54
17	97.54	103.10
18	103.10	108.69
19	108.69	114.39
20	114.39	119.87
21	119.87	125.45
22	125.45	131.05
23	131.05	136.16
24	136.16	142.27
25	142.27	147.83
26	147.83	153.56
27	153.56	159.06
28	159.06	164.75
29	164.75	170.30
30	170.30	176.00
31	176.00	181.55
32	181.55	187.21
33	187.21	192.95
34	192.95	198.59
35	198.59	204.18
36	204.18	209.67
37	209.67	215.29
38	215.29	220.98
39	220.98	226.70
40	226.70	232.38
41	232.38	237.99
42	238.03	243.80
43	243.80	249.43
44	249.43	254.78
45	254.78	260.40
46	260.40	265.25
47	265.25	270.99
48	270.99	276.52
49	276.52	282.13
50	282.13	287.76
51	287.76	293.21
52	293.21	298.33
53	298.33	304.24
54	304.24	310.20
55	310.20	315.65
56	315.65	321.12
57	321.12	326.37
58	326.37	333.14
59	333.14	338.54
60	338.54	344.27
61	344.27	349.77
62	349.77	354.78
63	354.78	359.95
64	359.95	365.29
65	365.29	370.73
66	370.73	376.07
67	376.07	381.67
68	381.67	387.00
69	387.00	391.69
70	391.69	393.65
393.65 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
10+040NW	10+145NE	528572	7119172	1292	270.36

ZONE: Tiger

SECTION: 10+040NW

HOLE: **Rau-10-101**

CLAIM: Rau 54

Contractor: Superior

Drill: 1

Core size: BTW

Casing depth: 9.14 m out

Drilling dates: July 17-24, 2010

Geology logged by: K. Wynne

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-50.0	compass				

TARGET: Tiger zone oxide mineralization

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	2.55	2.55	OVB	
2.55	28.59	26.04	LST	Fossiliferous
28.59	59.34	30.75	VOL	SER altered at depth
59.34	60.70	1.36	MBL	
60.70	68.81	8.11	LST	Variably MBL.
68.81	143.22	74.41	LST	Fossiliferous, locally OX
143.22	146.12	2.90	LST	MBL and OX.
146.12	204.83	58.71	VOL	Cl and Bi altered
204.83	223.38	18.55	LST	MBL and OX.
223.38	259.61	36.23	OX	
259.61	270.36	10.75	LST	DOL altered, with sBX and cBX.
270.36	E.O.H.			

SAMPLES

Numbers: I076436-I076438, I076460-I076461
I076481-I076500, I076597-I076611, I076640-I076670

Total: 71

Batch: 54,55,56,59,60,61

Date Sent: July 25,27,30 and August 2, 2010

Certificate: VA10102742, VA10102741, VA10102814
VA10104915, VA10104914, VA10109945

COMMENTS

The hole was ended because it was past the favourable oxide horizon. The hole was lined with PVC to be used in a later density survey.

GEOLOGY LOG

HOLE: Rau-10-101

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	2.55	2.55				OVB			Overburden - no recovery																		
2.55	28.59	26.04				LST	FOS	FO	Light to dark grey, FG fossiliferous LST with brachiopods, favosites and crinoid wackestone with packstone intervals. The unit is very broken, generally along FO, becoming more competent down-hole. Bands of FG black mud rich LST, are locally altered orange-brown colour. Ca VT follow FO. lCN MBL altered.	FO	30							MBL	t								
			2.55	11.90	9.35	LST	FOS	FO	Light grey packstone to wackestone, with crinoids and unidentifiable fossils up to 1 cm, averaging 0.2 cm. Intervals of FG medium grey LST with dark red grey angular patches and no visible fossils are up to 80 cm long and have sharp contacts at various angles, accompanied by orange altered layer.																		
			11.90	15.20	3.30	LST	MBL	FO	Light grey, FG, white and black spotted weakly MBL LST with no recognisable fossils. FO is defined by medium grey vFG layers. The first 80 cm has mud rich layers ~ 0.5 cm wide, altered orange-brown. The lCN is very gradational.									MBL	w								
			15.20	23.74	8.54	LST	FOS		Medium to dark grey, wackestone with brachiopods, crinoids, locally in packstone concentrations. Intervals of FG fissile, foliated, non fossiliferous black mud occur up to 1 m long. The interval is locally weakly oxidized a medium orange brown colour.						w												
			20.27	23.74	3.47	LST	FOS		Favosites rich horizon; ~50% of interval identifiable as favosites. Irregular FO defined by FG black mud rich interlayers.																		
			23.74	27.15	3.41	LST		FO	Medium grey FG LST, with a decreased and unidentifiable FOS content. FO is defined by medium grey and dark grey interlayers. The rock is more competent than the above intervals.																		
			27.15	28.59	1.44	LST	MBL		Gradational lCN between LST and VOL is identified by moderate to intensely MBL alteration of the LST. The marbleized LST is light grey to white in colour with interlayered light orange brown altered VOL layers up to 10 cm thick. The interval becomes more MBL altered and VOL rich down interval. lCN is irregular, with VOL layers cutting through MBL.	ICN								MBL	i								

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
28.59	59.34	30.75				VOL		FO	Blue grey FG VOL, becoming green grey SER altered at depth. The unit has Ca VT, generally following FO and a variable concentration of Ca spots < 0.5 cm making VOL fizz variably with acid. Zones of brown Bi rich VOL occur up to ~50 cm long. Ca VT are associated with trace Py. The unit is locally magnetic. Fractures contain oxidation stain towards the lower contact.	FO	30					t		SER	w				Mg	w			
			28.59	30.20	1.61	VOL	OX		Transitional unit from intense OX to trace OX in grey blue FG VOL. OX is light orange to brown, fissile, and intense for first 30 cm, grading into layers ~0.5 cm thick following FO.							f											
			40.83	42.70	1.87	VOL	Mg	FO	Banded blue-grey, buff to orange and black fairly SER altered and trace OX. Black magnetic disseminated spots and layers occur throughout.	FO	30					t		SER	f				Mg	f			x
			42.65	42.70	0.05				Oxidized orange-brown Ca VT's which alter wall rock to a buff colour for ~ 2 cm on either side. Trace Py is disseminated throughout.	VT	45	80				t				t							
			44.85	45.59	0.74	VOL		CGL	Green- blue grey FG weak SER VOL with black and blue-green coloured clasts, elongate along FO. Qz/Ca patches occur throughout, particularly in first 5 cm, and are associated with trace Py.	FO	30							SER	w	t							
			46.33	47.18	0.85	VOL	BIO		Dark brown to orange brown VOL with intense BIO and intense to weak OX alteration with fair SER locally. The first 25 cm are rubble (intense OX) with decreasing OX down interval. OX associated with Qz/Ca VT.	FO	30					m		BIO	i								
									Qz/Ca VT, both with FO and at 170 TFA.	VT	35	170						SER	f								
			48.77	52.62	3.85	VOL	SER	CGL	Green grey, FG, weakly fizzing SER altered VOL CGL with elongate clasts of white and black carbonaceous material and Qz < 1 cm long. CN gradational.									SER	s								
																				BIO	w							
			52.62	54.30	1.68	VOL	BIO		Dark brown BIO altered VOL, with a slight sparkle and brown streak and weak CGL texture. Most clasts occur near contacts with SER VOL. Ca clasts and orange brown non calcareous clasts are elongate and approximately 2 cm long. Ca spotting occurs throughout and is slightly orange-brown in colour. 4 cm thick Qz/Ca VT cut the unit and have a SER alteration rim. uCN is marked by a sharp decrease in SER across thin Ca VT's.									BIO	i								
									Ca VT set, overprints and offsets the foliation locally	VT	40	280	9														

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			54.30	57.56	3.26	VOL	SER	CGL	Green grey to green brown SER altered VOL with gradational BIO alteration (strongest at CN). Elongate clasts of Ca, light green SER altered VOL, weakly calcareous dark grey and purple grey rock. Clasts up to 7 cm long, averaging 1 cm.									SER	s									
																		BIO	f								
			57.56	59.34	1.78	VOL	BIO		Dark brown BIO altered VOL, with light yellow to white disseminated Ca spots. Sometimes associated with the SER alteration are Ca VT. OX is moderate near lCN, trace overall, following FO.	FO	30					t		BIO	i									
									Ca VT's associated with SER alteration.	VT	50	280	2					SER	w									
59.34	60.70	1.36				MBL		FO	Light grey, FG, MBL with dark grey FG layers ~ 0.5 cm thick partially altered light orange alteration layers. Qz/Ca patches occur throughout along with.	FO	30																
60.70	68.81	8.11				LST	MBL		Weak to intense MBL LST, mostly moderately strong with light grey with medium grey overprinted looking seams defining FO.	FO	25							MBL	ms								
68.81	143.22	74.41				LST	FOS	FO	Medium grey FG, FO, fossiliferous LST. Mudstone to whakestone in composition with some intact fossils. Trace Po MX throughout, and thin Ca VT and vFG black layers define FO. Irregular black and white spotted Ca layers with vertical white Ca/Qz filled lines are locally common (irregular veining?). Local OX alteration increases in intensity down	FO	30					t							t						
			68.81	76.61	7.80	LST	FOS	FO	Medium grey LST that is rich in white and black spotted layers and patches, some with white Ca vertical lines. FO defined by Ca VT and black layers Crinoids, chain coral, and unidentifiable FOS occur throughout.	FO	30										t						
			76.61	82.04	5.43	LST	FOS	FO	Significantly fewer white and black spotted layers and an increase in chain coral with an introduction of rugosa. Trace crinoids visible on some fracture planes.	FO	30										t						
			82.04	92.19	10.15	LST	FOS	FO	Very broken interval with OX alteration on some fractured surfaces. There is an increase in black/white spotted layers (VT?). Rugosa, bivalves, crinoids occur throughout while Halycites does not occur. Gradational lCN to less broken core with fewer black/white spotted layers.	FO	30					t					t						

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			92.19	101.19	9.00	LST	FOS	FO	Particularly fossiliferous interval with increased concentration of rugosa, crinoids and bivalves. Large black/white spotted layer with white Ca/Qz vertical layers occurs within. Trace OX alteration occurs on fractured surfaces.	FO	30					t						t						
			101.19	112.12	10.93	LST	OX		Medium grey LST with decreased fossil content, and orange brown alteration in layers < 0.5 cm wide following FO. Gradational increase in OX down interval.	FO	35					w					t						x
			112.12	122.01	9.89	LST	OX		Increase in OX of LST, with pervasive alteration of core through < 5 cm, and following FO. Core more broken than above. Trace Po, and oxidized spots 9which may be Po).	FO	50					ms					t						
			122.01	138.66	16.65	LST	OX		Gradational contact to FG black LST with trace crinoids and finely spaced OX layers following FO. Intense OX zones ~ 50 cm long, and through last 3 m of interval, are orange brown to medium brown clay to grit. MG OX spots may be Po. FX on Fracturing occurs along the FO.	FO	65					s											
			138.66	143.22	4.56	LST	OX		Medium grey FG LST, less OX than above interval. uCN is intensely OX for 3 m with uncommon medium brown colour. OX alteration occurs as FO following layer < 5 cm thick, orange brown to orange red. Zones < 10 cm thick of intense MBL, weak MBL overall. Fossils unidentifiable, and compose ~ 2% of interval.							m		MBL	w								
									FO is irregular; 70 to 90 degrees.	FO	75																
143.22	146.12	2.90				LST	MBL		Light to medium grey, FG intense MBL LST with orange brown OX alteration pervasive through core becoming gradationally stronger toward lCN. Dark brown thin seams in intense OX and black seams in weak OX define FO.							ms		MBL	i								
									FO is irregular; 35 degrees in OX, and 70 degrees in unoxidized.	FO																	
146.12	204.83	58.71				VOL	Cl		Blue green grey to brown FG VOL. Variably fizzes in 10% HCl, locally magnetic, largely in trace amounts. Ca VT abundant. Soft, chlorite altered, with sections of intense Bi alteration and OX alteration toward alternating lCN.							f		BIO	w								
									VOL intensely OX, with interval of LST within VOL.	lCN																	
			146.12	148.15	2.03	VOL	BIO		Dark brown, intensely BIO altered soft and FG VOL. Gradational lCN with Cl altered VOL below. Ca VT's increase in abundance ad become more irregular.	FO	45							BIO	i								

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			161.30	169.18	7.88	VOL	Mg		Blue green grey FG magnetic weakly calcareous VOL. Increase in magnetism. Gradational uCN and lCN.	FO	55							CHL	s				Mg	w			
			169.18	177.42	8.24	VOL	Cl		Dark green to black, FG VOL, non-magnetic, intensely Cl altered and fairly Bi altered. Ca VT and spotting in layers following and elongate along FO (clast like). Locally altered to dark green clay layers < 5 cm thick. Locally very broken to platy rubble. Increasing SER wisps down interval with gradationa lCN.	FO	60							CHL	i								
																		BIO	f							
			177.42	192.65	15.23	VOL			Green grey, CHL, SER, and BIO altered FG VOL, with Ca spots elongate on FO. BIO follows FO. Very broken, rubble platy, and clay zones up to 15 cm long are light green grading to orange brown down interval. After 190 m VT are partially altered light orange.									CHL	s								
																		SER	m							
																		BIO	f							
			192.65	200.56	7.91	VOL	Ca		Green blue grey FG VOL, rich in Ca spotting elongate on FO, concentrated in zones up to 50 cm long. Clay zones up to 15 cm long are orange brown OX.							f		CHL	m								
																		SER	m							
																		BIO	f							
			200.56	202.39	1.83	VOL	OX		Orange brown to yellow brown intense OX VOL with intensely SER or BIO altered. Rubble to silt.							i		SER	f							
																		BIO	w							
			202.39	202.69	0.30	LST	MBL		Moderate MBL FG LST, light orange moderate OX near lCN. ~ 10 cm thick Qz/Ca VT.							m		MBL	m							
			202.69	204.83	2.14	OX	VOL		Intensely OX zone, light orange brown with dark red brown colouration locally that is non-calcareous. Less OX zones of SER altered VOL that is moderately rubbly and broken up.							i		SER	ms								
204.83	223.38	18.55				LST	OX		FG strong MBL light grey and medium grey interlayered LST, with dark grey overprinting seams in light grey areas. Ca clasts <0.5 cm appear to be recrystallized fossils. Layers of orange-brown OX occur throughout along fractures.	FO	55					i		MBL	s								

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			204.83	207.00	2.17	OX	LST		Orange brown, calcareous, moderately strongly OX LST. Weak light orange OX zones in moderately MBL LST. Where solid the LST is overprinted by a fair dark brown cBX network. Overall the unit consists of clay to cohesive weak OX core.							i		MBL	m								
			207.00	209.40	2.40	LST	Ca		vCG light grey Ca with zones of FG strong MBL LST < 5 cm long. First 1 m medium to light grey, very altered, easily broken core to clay with orange brown alteration in patches, and retaining the FO of the LST.	FO	55							MBL	s								
			209.40	211.23	1.83	OX	LST		Orange brown OX clay to grit with < 10 cm pieces of strongly MBL LST core to rubble. OX variably fizzes in 10% HCl; may be LST or VOL OX.							i		MBL	s								
			218.54	219.76	1.22	OX	LST		Interval with very poor recovery. Recovered 3 cm s MBL LST and 2 cm orange brown clay OX.							i											
			219.76	220.37	0.61	OX			Dark brown non-calcareous OX with a light orange brown oxide coating on the surface. Clay to silt texture, (predominantly silt).																		
223.38	259.61	36.23				OX			Orange brown intense OX and dark brown to black intense SID with red brown surface. Clay to rubble, with SID zones more rubble to solid core. First meter of interval is moderately calcareous							i	m									
			223.38	224.18	0.80	OX			Light orange brown, clay to silt oxide that grades into red brown material. Weakly calcareous throughout.							i										
			231.59	235.36	3.77	OX			Dark brown to black OX with bright red brown and red orange surface coating in the clay zones. The interval is predominantly rubble.							i	i									
			250.90	252.92	2.02	OX			Light orange OX with brown zones, clay to easily broken core. Less altered sections appear intensely SER altered (VOL). Non-calcareous throughout.							i		SER	i								
			255.22	258.19	2.97	Qz			Qz rubble and light grey non-calcareous clay. Qz < 5 cm diameter.																		
			258.19	258.78	0.59	OX			Light orange yellow, blue grey, and medium orange brown non-calcareous OX clay over intervals <15 cm long. The blue grey zone similar to Qz rich intervals in other holes, but has no visible Qz.							i											
			258.78	259.61	0.83	OX			Orange-brown to green-brown clay to easily broker core, predominantly rubble. Non-calcareous until ~ 3 cm from lCN.							i											

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
259.61	270.36	10.75				LST	DOL		Light grey with yellow white intense to moderately DOL and moderate to weak ANK LST, cBX by medium grey seams which fizz in 10% HCl. Subrounded medium grey LST clasts with DOL infill from sBX texture locally, overprinted by cBX. Local foliated relatively unaltered LST. First 10 m has zones of intense OX and SID.					ms	f	f												
			259.61	268.78	9.17	LST	DOL		Yellow white, intense DOL and moderate ANK, sBX overprinted by cBX, with zones of mg DOL which appears hydrothermal, generally obscured by strong to intense OX. Zones of grey clay alteration up to 10 cm long occur through interval. Patches of HEM alteration.					i	m	s												
			268.78	269.48	0.70	LST	DOL		Medium grey strongly DOL LST, FG, with FO defined by white and grey banding. Sharp uCN and lCN with cBX LST follow general FO trend.	FO	55			s													
									270.36 m - E.O.H. The hole was ended because it was past the favourable oxide horizon. The hole was lined with PVC pipe for use in a later density survey.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-101

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
27.15	28.59	1.44	LST	MBL	0.83	58	I076436	54	<0.01	0.10	8	0.30	
28.59	30.20	1.61	VOL	OX	1.44	89	I076437	54	<0.01	0.13	5	0.48	
30.20	32.61	2.41	VOL		2.09	87	I076438	54	<0.01	0.07	<5	0.22	
57.56	59.34	1.77	VOL		1.73	98	I076460	55	<0.01	0.10	2	0.12	
59.34	60.48	1.14	MBL	Qz	1.09	96	I076461	55	<0.01	0.02	<5	0.20	Break in sequence
198.73	199.49	0.76	VOL	Ca	0.76	100	I076481	56	0.01	0.11	176	0.07	
199.49	201.17	1.68	VOL	Ca	1.15	68	I076482	56	0.01	0.09	146	0.06	
201.17	202.08	0.91	VOL	OX	0.47	52	I076483	56	0.01	0.14	222	0.25	
202.08	202.39	0.31	VOL	OX	0.25	81	I076484	56	0.02	0.44	1185	2.10	
202.39	202.69	0.30	LST	MBL	0.30	100	I076485	56	0.02	0.71	230	1.31	
202.69	203.30	0.61	OX	VOL	0.44	72	I076486	56	0.07	8.21	4020	22.50	
203.30	203.91	0.61	OX	VOL	0.34	56	I076488	56	0.02	1.57	2050	15.45	
203.91	204.83	0.92	OX	VOL	0.60	65	I076489	56	0.02	0.65	2420	8.68	
204.83	205.44	0.61	OX	LST	0.25	41	I076490	56	0.02	0.95	8540	10.15	
205.44	206.35	0.91	OX	LST	0.43	47	I076491	56	0.05	1.32	6060	7.21	
206.35	207.00	0.65	OX	LST	0.56	86	I076492	56	0.04	0.99	5090	6.85	
207.00	209.40	2.40	LST	Ca	1.05	44	I076494	56	0.09	0.24	638	0.88	
209.40	210.01	0.61	OX	LST	0.46	75	I076495	56	0.07	0.43	2280	4.10	
210.01	211.23	1.22	OX	LST	0.45	37	I076496	56	0.02	0.82	2510	11.10	
211.23	214.27	3.04	LST	OX	2.50	82	I076497	56	0.01	0.07	57	0.23	
214.27	217.02	2.75	LST	OX	1.60	58	I076498	56	0.02	0.13	47	0.15	
217.02	218.54	1.52	LST	OX	1.15	76	I076499	56	0.03	0.43	478	1.40	
219.46	220.37	0.91	OX		0.75	82	I076500	56	0.02	4.19	1305	17.35	Break in sequence
220.37	222.20	1.83	LST	OX	1.05	57	I076597	59	0.02	0.45	592	2.40	
222.20	223.38	1.18	LST	OX	0.90	76	I076598	59	0.04	0.56	447	1.98	
223.38	224.18	0.80	OX		0.80	100	I076599	59	0.76	8.42	10500	357.00	
224.18	225.70	1.52	OX		1.36	89	I076601	59	1.74	13.50	19850	1050.00	
225.70	226.92	1.22	OX		0.89	73	I076602	59	0.79	21.60	16350	184.50	
226.92	228.60	1.68	OX		1.23	73	I076603	59	1.04	19.90	16450	324.00	
228.60	230.12	1.52	OX		1.45	95	I076605	59	0.34	11.50	16400	80.70	
230.12	231.34	1.22	OX		0.69	57	I076606	59	0.32	11.90	15150	37.60	
231.34	233.78	2.44	OX		1.43	59	I076607	59	0.16	13.15	14400	55.10	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
233.78	234.70	0.92	OX		0.56	61	I076608	59	0.44	8.43	13700	87.40	
234.70	235.31	0.61	OX		0.07	11	I076610	59	0.09	7.09	11000	16.80	
235.31	236.83	1.52	OX		1.52	100	I076611	59	0.14	4.57	12200	14.40	
236.83	237.29	0.46	OX		0.28	61	I076640	60	0.15	3.31	14000	8.11	
237.29	238.51	1.22	OX		1.02	84	I076641	60	0.16	3.73	13500	31.60	
238.51	239.88	1.37	OX		0.96	70	I076642	60	0.37	3.57	11600	30.40	
239.88	240.18	0.30	OX		0.11	37	I076643	60	0.33	3.99	12250	19.15	
240.18	241.40	1.22	OX		0.67	55	I076644	60	0.50	8.14	12900	243.00	
241.40	242.93	1.53	OX		1.14	75	I076645	60	0.66	6.62	10600	88.90	
242.93	244.45	1.52	OX		1.15	76	I076647	60	0.97	19.85	12200	153.00	
244.45	245.97	1.52	OX		1.12	74	I076648	60	8.07	22.80	13300	3190.00	
245.97	247.50	1.53	OX		1.41	92	I076649	60	3.85	18.05	9870	1160.00	
247.50	247.80	0.30	OX		0.20	67	I076650	60	0.26	6.61	9330	78.20	
247.80	249.02	1.22	OX		1.22	100	I076651	60	0.63	9.70	11150	674.00	
249.02	250.90	1.88	OX		1.71	91	I076652	60	0.51	6.40	9520	284.00	
250.90	252.07	1.17	OX		0.91	78	I076654	60	0.17	2.66	5290	64.10	
252.07	252.37	0.30	OX		0.16	53	I076655	60	0.18	3.65	7710	145.50	
252.37	253.29	0.92	OX		0.30	33	I076656	60	0.43	8.61	9030	253.00	
253.29	254.20	0.91	OX		0.91	100	I076657	60	0.25	8.94	10900	171.00	
254.20	254.97	0.77	OX		0.57	74	I076659	60	0.47	16.65	21200	480.00	
254.97	256.34	1.37	OX		0.81	59	I076660	60	0.30	3.67	3420	221.00	
256.34	257.25	0.91	Qz		0.18	20	I076661	61	0.19	0.37	115	13.10	
257.25	258.17	0.92	Qz		0.15	16	I076662	61	0.20	0.94	55	6.69	
258.17	258.78	0.61	OX		0.45	74	I076663	61	0.29	36.00	4800	7660.00	
258.78	259.61	0.83	OX		0.83	100	I076664	61	0.19	19.05	8450	630.00	
259.61	262.28	2.67	LST	DOL	2.09	78	I076666	61	0.02	1.60	265	7.96	
262.28	263.80	1.52	LST	DOL	0.67	44	I076667	61	0.04	2.20	385	3.77	
263.80	266.80	3.00	LST	DOL	2.60	87	I076668	61	0.01	1.11	274	2.03	
266.80	268.78	1.98	LST	DOL	1.75	88	I076669	61	0.01	0.25	559	15.05	
-	-	-	-	-	-	-	I076487	56	0.36	6.78	3	1.13	Standard ROS-1
-	-	-	-	-	-	-	I076493	56	0.02	0.01	19	0.22	Blank (NQ)
-	-	-	-	-	-	-	I076600	59	0.02	0.01	7	0.09	Blank (NQ)

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
-	-	-	-	-	-	-	I076604	59	0.37	6.95	2	1.35	Standard ROS-1
233.78	234.70	0.92	OX		0.56	61	I076609	59	0.43	7.13	13150	94.20	Duplicate
-	-	-	-	-	-	-	I076646	60	8.69	19.95	11	1.16	Standard ROS-4
-	-	-	-	-	-	-	I076653	60	0.01	0.01	11	0.28	Blank (NQ)
253.29	254.20	0.91	OX		0.91	100	I076658	60	0.28	8.87	11750	209.00	Duplicate
-	-	-	-	-	-	-	I076665	61	0.40	6.70	10	3.02	Standard ROS-1
-	-	-	-	-	-	-	I076670	61	<0.01	0.01	6	0.24	Blank (NQ)

GEOTECHNICAL LOG

HOLE: Rau-10-101

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
2.55	3.66	1.11	1.10	99	0.55	50	MS	SW		
3.66	4.72	1.06	0.93	88	0.14	13	MS	SW		
4.72	6.25	1.53	1.34	88	0.00	0	MS	SW		
6.25	7.83	1.58	1.33	84	0.48	30	MS	SW		
7.83	9.45	1.62	1.49	92	0.39	24	MS	SW		
9.45	11.03	1.58	1.43	91	0.34	22	MS	SW		
11.03	12.65	1.62	1.29	80	0.15	9	MS	SW		
12.65	14.26	1.61	1.52	94	1.10	68	MS	SW		
14.26	15.85	1.59	1.52	96	0.79	50	MS	SW		
15.85	16.91	1.06	0.94	89	0.36	34	MS	SW		
16.91	18.50	1.59	1.52	96	0.00	0	MS	SW		
18.50	20.12	1.62	1.33	82	0.32	20	MS	SW		
20.12	21.76	1.64	1.33	81	0.15	9	MS	SW		
21.76	23.38	1.62	1.51	93	0.51	31	MS	SW		
23.38	24.99	1.61	1.41	88	0.88	55	MS	SW		
24.99	26.21	1.22	1.20	98	0.88	72	MS	SW		
26.21	28.04	1.83	1.83	100	1.41	77	MS	SW		
28.04	29.41	1.37	0.91	66	0.16	12	MS	SW		
29.41	31.09	1.68	1.52	90	1.02	61	MS	SW		
31.09	32.61	1.52	1.50	99	1.22	80	MS	SW		
32.61	34.14	1.53	1.50	98	1.32	86	MS	SW		
34.14	35.66	1.52	1.44	95	0.86	57	MS	SW		
35.66	37.18	1.52	1.31	86	0.76	50	MS	SW		
37.18	38.71	1.53	1.53	100	0.19	12	MS	SW		
38.71	40.23	1.52	1.52	100	1.37	90	MS	SW		
40.23	41.76	1.53	1.51	99	1.12	73	MS	SW		
41.76	43.28	1.52	1.35	89	0.52	34	MS	FR		
43.28	44.81	1.53	1.32	86	0.59	39	MS	FR		
44.81	46.33	1.52	1.50	99	0.38	25	W	FR		
46.33	47.85	1.52	1.38	91	0.51	34	W	MW		
47.85	49.38	1.53	1.37	90	0.60	39	W	FR		
49.38	49.98	0.60	0.81	135	0.00	0	W	SW		
49.98	50.90	0.92	0.77	84	0.13	14	MS	FR		
50.90	52.42	1.52	1.00	66	0.18	12	W	SW		
52.42	53.95	1.53	1.53	100	1.31	86	MS	FR		
53.95	55.02	1.07	1.07	100	0.50	47	MS	FR		
55.02	56.54	1.52	1.24	82	0.60	39	W	SW		
56.54	56.99	0.45	0.45	100	0.45	100	MS	FR		
56.99	58.52	1.53	1.50	98	0.96	63	MS	FR		
58.52	60.05	1.53	1.47	96	0.59	39	MS	FR		
60.05	61.57	1.52	1.36	89	0.98	64	MS	FR		
61.57	63.09	1.52	1.45	95	1.37	90	MS	FR		
63.09	64.62	1.53	1.22	80	1.22	80	MS	FR		
64.62	66.14	1.52	1.50	99	1.46	96	MS	FR		
66.14	67.67	1.53	1.47	96	1.43	93	MS	FR		
67.67	69.19	1.52	1.52	100	1.31	86	MS	FR		
69.19	70.13	0.94	0.94	100	0.57	61	MS	FR		
70.13	71.78	1.65	1.50	91	1.16	70	MS	FR		
71.78	73.37	1.59	1.52	96	1.41	89	MS	SW		
73.37	74.98	1.61	1.61	100	1.58	98	MS	FR		
74.98	76.60	1.62	1.60	99	1.60	99	MS	FR		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
76.60	78.21	1.61	1.53	95	0.60	37	MS	FR		
78.21	79.86	1.65	1.54	93	1.32	80	MS	FR		
79.86	81.38	1.52	1.52	100	1.52	100	MS	FR		
81.38	82.91	1.53	1.25	82	0.81	53	MS	FR		
82.91	83.97	1.06	1.06	100	0.61	58	MS	FR		
83.97	86.56	2.59	2.40	93	1.25	48	W	FR		
86.56	88.70	2.14	2.05	96	1.10	51	W	MW		
88.70	89.61	0.91	0.66	73	0.00	0	W	HW		
89.61	91.14	1.53	1.18	77	0.29	19	W	HW		
91.14	92.03	0.89	0.80	90	0.35	39	W	MW		
92.03	93.57	1.54	1.50	97	1.15	75	MS	FR		
93.57	95.10	1.53	1.38	90	0.93	61	MS	FR		
95.10	96.62	1.52	1.50	99	1.50	99	MS	FR		
96.62	98.15	1.53	1.30	85	0.92	60	MS	FR		
98.15	99.67	1.52	1.38	91	1.10	72	MS	FR		
99.67	101.19	1.52	1.43	94	1.20	79	MS	FR		
101.19	102.72	1.53	1.28	84	0.40	26	MS	SW		
102.72	104.24	1.52	1.35	89	0.89	59	MS	SW		
104.24	105.61	1.37	1.34	98	0.90	66	MS	SW		
105.61	106.98	1.37	1.00	73	0.43	31	MS	SW		
106.98	107.90	0.92	0.92	100	0.29	32	MS	SW		
107.90	110.34	2.44	2.12	87	1.97	81	MS	SW		
110.34	111.86	1.52	1.52	100	0.78	51	MS	SW		
111.86	113.08	1.22	1.03	84	0.32	26	MS	SW		
113.08	114.75	1.67	1.46	87	0.60	36	MS	SW		
114.75	116.28	1.53	1.45	95	0.42	27	MS	SW		
116.28	117.04	0.76	0.76	100	0.13	17	MS	SW		
117.04	117.23	0.19	0.18	95	0.00	0	MS	SW		
117.23	118.72	1.49	1.22	82	0.27	18	MS	SW		
118.72	119.48	0.76	0.42	55	0.00	0	MS	SW		
119.48	121.00	1.52	1.35	89	0.12	8	MS	SW		
121.00	122.01	1.01	0.95	94	0.35	35	MS	SW		
122.01	123.14	1.13	1.00	88	0.00	0	MS	SW		
123.14	124.51	1.37	1.08	79	0.53	39	MS	SW		
124.51	125.58	1.07	0.65	61	0.00	0	MS	SW		
125.58	126.19	0.61	0.50	82	0.00	0	MS	SW		
126.19	126.80	0.61	0.35	57	0.00	0	MS	SW		
126.80	128.32	1.52	1.52	100	0.38	25	MS	SW		
128.32	129.24	0.92	0.70	76	0.36	39	MS	SW		
129.24	130.15	0.91	0.72	79	0.00	0	MS	SW		
130.15	131.64	1.49	1.48	99	0.10	7	MS	SW		
131.64	132.44	0.80	0.64	80	0.00	0	W	MW		
132.44	133.20	0.76	0.62	82	0.24	32	W	MW		
133.20	133.96	0.76	0.72	95	0.00	0	W	MW		
133.96	136.25	2.29	0.79	34	0.00	0	W	MW		
136.25	136.55	0.30	0.12	40	0.00	0	W	MW		
136.55	136.70	0.15	0.08	53	0.00	0	W	MW		
136.70	137.16	0.46	0.35	76	0.00	0	W	MW		
137.16	137.77	0.61	0.40	66	0.00	0	W	MW		
137.77	139.29	1.52	1.26	83	0.25	16	W	MW		
139.29	139.90	0.61	0.26	43	0.00	0	W	MW		
139.90	140.36	0.46	0.41	89	0.00	0	W	MW		
140.36	141.43	1.07	1.07	100	0.15	14	W	SW		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
141.43	143.26	1.83	1.53	84	0.50	27	W	SW		
143.26	144.17	0.91	0.60	66	0.13	14	W	SW		
144.17	145.08	0.91	0.80	88	0.20	22	W	MW		
145.08	146.30	1.22	0.65	53	0.00	0	W	MW		
146.30	148.44	2.14	1.50	70	0.15	7	W	SW		
148.44	149.96	1.52	1.45	95	1.12	74	W	SW		
149.96	151.48	1.52	1.27	84	0.67	44	W	SW		
151.48	152.70	1.22	1.02	84	0.44	36	W	SW		
152.70	154.53	1.83	1.61	88	0.51	28	W	SW		
154.53	155.91	1.38	1.11	80	0.41	30	W	SW		
155.91	157.58	1.67	1.48	89	0.86	51	W	SW		
157.58	159.11	1.53	1.53	100	0.86	56	W	SW		
159.11	160.63	1.52	1.08	71	0.45	30	MS	SW		
160.63	161.30	0.67	0.67	100	0.15	22	MS	SW		
161.30	162.46	1.16	0.94	81	0.49	42	MS	SW		
162.46	163.68	1.22	1.10	90	0.52	43	MS	SW		
163.68	164.13	0.45	0.45	100	0.26	58	MS	SW		
164.13	164.90	0.77	0.77	100	0.29	38	MS	SW		
164.90	165.81	0.91	0.73	80	0.18	20	MS	SW		
165.81	166.27	0.46	0.33	72	0.00	0	MS	SW		
166.27	167.29	1.02	1.37	134	0.61	60	MS	SW		
167.29	169.47	2.18	1.14	52	0.00	0	MS	SW		
169.47	170.99	1.52	0.80	53	0.00	0	MS	SW		
170.99	172.82	1.83	0.97	53	0.13	7	MS	SW		
172.82	175.41	2.59	2.33	90	1.40	54	MS	SW		
175.41	177.39	1.98	1.28	65	0.36	18	MS	SW		
177.39	178.92	1.53	0.95	62	0.00	0	MS	SW		
178.92	181.05	2.13	1.71	80	0.29	14	MS	SW		
181.05	183.79	2.74	1.34	49	0.54	20	MS	SW		
183.79	185.01	1.22	0.95	78	0.14	11	MS	SW		
185.01	186.54	1.53	1.06	69	0.26	17	MS	SW		
186.54	187.45	0.91	0.61	67	0.00	0	MS	SW		
187.45	188.67	1.22	0.77	63	0.00	0	MS	SW		
188.67	191.11	2.44	1.93	79	1.10	45	MS	SW		
191.11	192.48	1.37	0.94	69	0.37	27	MS	SW		
192.48	194.16	1.68	1.34	80	0.44	26	MS	SW		
194.16	196.60	2.44	2.03	83	0.86	35	MS	SW		
196.60	197.21	0.61	0.39	64	0.00	0	MS	SW		
197.21	198.73	1.52	1.19	78	0.20	13	MS	SW		
198.73	199.03	0.30	0.30	100	0.00	0	MS	SW		
199.03	199.49	0.46	0.36	78	0.00	0	W	HW		
199.49	200.56	1.07	0.80	75	0.40	37	MS	MW		
200.56	201.17	0.61	0.30	49	0.00	0	W	HW		
201.17	202.08	0.91	0.45	49	0.00	0	EW	EW	7.5YR 5/6	Oxide
202.08	202.39	0.31	0.23	74	0.00	0	EW	EW	7.5YR 5/6	Oxide
202.39	202.69	0.30	0.30	100	0.00	0	MS	SW		
202.69	203.30	0.61	0.40	66	0.00	0	EW	EW	7.5YR 5/6	Oxide
203.30	203.91	0.61	0.30	49	0.00	0	EW	EW	7.5YR 5/6	Oxide
203.91	204.83	0.92	0.57	62	0.00	0	EW	EW	5YR 3/2	Oxide
204.83	205.44	0.61	0.29	48	0.00	0	EW	EW	7.5YR 5/6	Oxide
205.44	206.35	0.91	0.47	52	0.00	0	EW	EW	7.5YR 5/6	Oxide
206.35	206.81	0.46	0.37	80	0.00	0	EW	EW	7.5YR 5/6	Oxide
206.81	207.87	1.06	0.85	80	0.00	0	MS	MW		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
207.87	209.40	1.53	0.55	36	0.00	0	MS	SW		
209.40	210.01	0.61	0.34	56	0.00	0	MS	MW		
210.01	211.23	1.22	0.50	41	0.00	0	W	HW	5YR 5/8	Oxide
211.23	212.45	1.22	1.00	82	0.53	43	MS	SW		
212.45	213.66	1.21	0.90	74	0.60	50	MS	SW		
213.66	214.27	0.61	0.61	100	0.25	41	MS	SW		
214.27	215.49	1.22	0.94	77	0.35	29	MS	SW		
215.49	217.02	1.53	0.55	36	0.00	0	MS	FR		
217.02	218.54	1.52	1.09	72	0.40	26	MS	SW		
218.54	219.46	0.92	0.03	3	0.00	0	MS	SW		
219.46	219.76	0.30	0.20	67	0.00	0	EW	EW	7.5YR 5/6	Oxide
219.76	220.07	0.31	0.27	87	0.00	0	EW	EW	7.5YR 5/6	Oxide
220.07	220.37	0.30	0.24	80	0.00	0	EW	EW	7.5YR 5/6	Oxide
220.37	220.68	0.31	0.26	84	0.00	0	W	MW	5YR 5/6	Oxide
220.68	221.58	0.90	0.47	52	0.00	0	W	HW		
221.58	222.20	0.62	0.32	52	0.00	0	W	HW		
222.20	222.50	0.30	0.30	100	0.00	0	EW	EW		
222.50	223.72	1.22	1.02	84	0.00	0	EW	EW	7.5YR 6/8	Oxide
223.72	224.18	0.46	0.46	100	0.00	0	EW	EW	7.5YR 5/8	Oxide
224.18	225.70	1.52	1.36	89	0.00	0	EW	EW	2.5YR 4/8	Oxide
225.70	226.92	1.22	0.89	73	0.00	0	EW	EW	2.5YR 4/8	Oxide
226.92	228.60	1.68	1.23	73	0.00	0	EW	EW	2.5YR 4/8	Oxide
228.60	230.12	1.52	1.45	95	0.00	0	EW	EW	2.5YR 4/8	Oxide
230.12	231.34	1.22	0.69	57	0.00	0	EW	EW	2.5YR 4/8	Oxide
231.34	232.26	0.92	0.74	80	0.00	0	EW	EW	2.5YR 4/8	Oxide
232.26	233.78	1.52	1.52	100	0.00	0	EW	EW	2.5YR 4/8	Oxide
233.78	234.70	0.92	0.56	61	0.00	0	EW	EW	2.5YR 4/8	Oxide
234.70	235.31	0.61	0.07	11	0.00	0	EW	EW	2.5YR 4/8	Oxide
235.31	236.83	1.52	1.52	100	0.00	0	EW	EW	2.5YR 4/8	Oxide
236.83	237.29	0.46	0.28	61	0.00	0	EW	EW	2.5YR 4/8	Oxide
237.29	238.35	1.06	0.90	85	0.00	0	EW	EW	2.5YR 4/8	Oxide
238.35	238.51	0.16	0.12	75	0.00	0	EW	EW	2.5YR 4/8	Oxide
238.51	239.88	1.37	0.96	70	0.00	0	EW	EW	2.5YR 4/8	Oxide
239.88	240.18	0.30	0.11	37	0.00	0	EW	EW	2.5YR 4/8	Oxide
240.18	241.10	0.92	0.42	46	0.00	0	EW	EW	2.5YR 4/8	Oxide
241.10	241.40	0.30	0.25	83	0.00	0	EW	EW	2.5YR 4/8	Oxide
241.40	242.93	1.53	1.14	75	0.00	0	EW	EW	2.5YR 4/8	Oxide
242.93	244.45	1.52	1.15	76	0.00	0	EW	EW	2.5YR 4/8	Oxide
244.45	245.97	1.52	1.12	74	0.00	0	EW	EW	2.5YR 4/8	Oxide
245.97	247.50	1.53	1.41	92	0.00	0	EW	EW	2.5YR 4/8	Oxide
247.50	247.80	0.30	0.20	67	0.00	0	EW	EW	2.5YR 4/8	Oxide
247.80	249.02	1.22	1.22	100	0.00	0	EW	EW	2.5YR 4/8	Oxide
249.02	250.55	1.53	1.25	82	0.00	0	EW	EW	2.5YR 4/8	Oxide
250.55	252.07	1.52	1.38	91	0.00	0	EW	EW	2.5YR 5/8	Oxide
252.07	252.37	0.30	0.16	53	0.00	0	EW	EW	2.5YR 5/8	Oxide
252.37	253.29	0.92	0.30	33	0.00	0	EW	EW	2.5YR 5/8	Oxide
253.29	254.20	0.91	0.91	100	0.00	0	EW	EW	2.5YR 3/6	Oxide
254.20	254.97	0.77	0.57	74	0.00	0	EW	EW	2.5YR 3/6	Oxide
254.97	256.34	1.37	0.81	59	0.00	0	EW	EW	2.5YR 3/6	Oxide
256.34	257.25	0.91	0.18	20	0.00	0	EW	EW	N/A	POOR RECOVERY
257.25	258.17	0.92	0.15	16	0.00	0	EW	EW	N/A	POOR RECOVERY
258.17	258.78	0.61	0.45	74	0.00	0	EW	EW	2.5YR 5/1	Oxide
258.78	259.23	0.45	0.45	100	0.00	0	EW	EW		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
259.23	260.76	1.53	1.48	97	0.82	54	W	HW		
260.76	262.28	1.52	0.97	64	0.14	9	W	HW		
262.28	263.80	1.52	0.67	44	0.13	9	W	HW		
263.80	265.48	1.68	1.36	81	0.49	29	W	HW		
265.48	267.10	1.62	1.35	83	0.15	9	W	HW		
267.10	268.68	1.58	1.29	82	0.40	25	W	HW		
268.68	270.36	1.68	1.48	88	0.82	49	MS	MW		
270.36	E.O.H.									

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-101

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	OVB		N/A	
2.00	OVB		N/A	
3.00	LST	FOS	0.00	
4.00	LST	FOS	0.00	
5.00	LST	FOS	0.00	
6.00	LST	FOS	0.00	
7.00	LST	FOS	0.00	
8.00	LST	FOS	0.06	
9.00	LST	FOS	0.00	
10.00	LST	FOS	0.00	
11.00	LST	FOS	0.00	
12.00	LST	FOS	0.00	
13.00	LST	FOS	0.00	
14.00	LST	FOS	0.00	
15.00	LST	FOS	0.00	
16.00	LST	FOS	0.00	
17.00	LST	FOS	0.00	
18.00	LST	FOS	0.00	
19.00	LST	FOS	0.00	
20.00	LST	FOS	0.21	
21.00	LST	FOS	0.00	
22.00	LST	FOS	0.00	
23.00	LST	FOS	0.00	
24.00	LST	FOS	0.23	
25.00	LST	FOS	0.00	
26.00	LST	FOS	0.03	
27.00	LST	FOS	0.00	
28.00	LST	FOS	0.01	
29.00	VOL		0.00	
30.00	VOL		1.32	
31.00	VOL		0.33	
32.00	VOL		0.42	
33.00	VOL		0.63	
34.00	VOL		0.45	
35.00	VOL		0.85	
36.00	VOL		0.16	
37.00	VOL		0.50	
38.00	VOL		0.42	
39.00	VOL		0.31	
40.00	VOL		1.14	
41.00	VOL		43.60	
42.00	VOL		11.00	
43.00	VOL		2.30	
44.00	VOL		1.09	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	VOL		0.48	
46.00	VOL		0.35	
47.00	VOL		0.33	
48.00	VOL		1.26	
49.00	VOL		0.31	
50.00	VOL		0.26	
51.00	VOL		0.48	
52.00	VOL		0.72	
53.00	VOL		0.53	
54.00	VOL		0.03	
55.00	VOL		0.53	
56.00	VOL		0.48	
57.00	VOL		0.43	
58.00	VOL		0.66	
59.00	VOL		0.28	
60.00	MBL		0.28	
61.00	MBL		0.00	
62.00	MBL		0.00	
63.00	MBL		0.00	
64.00	MBL		0.00	
65.00	MBL		0.05	
66.00	MBL		0.00	
67.00	MBL		0.00	
68.00	MBL		0.00	
69.00	LST	FOS	0.00	
70.00	LST	FOS	0.00	
71.00	LST	FOS	0.10	
72.00	LST	FOS	0.00	
73.00	LST	FOS	0.00	
74.00	LST	FOS	0.00	
75.00	LST	FOS	0.00	
76.00	LST	FOS	0.31	
77.00	LST	FOS	0.31	
78.00	LST	FOS	0.26	
79.00	LST	FOS	0.33	
80.00	LST	FOS	0.23	
81.00	LST	FOS	0.72	
82.00	LST	FOS	0.53	
83.00	LST	FOS	0.00	
84.00	LST	FOS	0.94	
85.00	LST	FOS	0.00	
86.00	LST	FOS	0.00	
87.00	LST	FOS	0.00	
88.00	LST	FOS	0.05	
89.00	LST	FOS	0.00	
90.00	LST	FOS	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	LST	FOS	0.00	
92.00	LST	FOS	0.05	
93.00	LST	FOS	0.00	
94.00	LST	FOS	0.01	
95.00	LST	FOS	0.00	
96.00	LST	FOS	0.00	
97.00	LST	FOS	0.00	
98.00	LST	FOS	0.00	
99.00	LST	FOS	0.50	
100.00	LST	FOS	0.26	
101.00	LST	FOS	0.00	
102.00	LST	OX	0.53	
103.00	LST	OX	0.12	
104.00	LST	OX	0.60	
105.00	LST	OX	0.51	
106.00	LST	OX	0.09	
107.00	LST	OX	0.23	
108.00	LST	OX	0.54	
109.00	LST	OX	0.49	
110.00	LST	OX	0.51	
111.00	LST	OX	0.01	
112.00	LST	OX	0.23	
113.00	LST	OX	0.51	
114.00	LST	OX	0.10	
115.00	LST	OX	0.01	
116.00	LST	OX	0.01	
117.00	LST	OX	0.00	
118.00	LST	OX	0.00	
119.00	LST	OX	0.45	
120.00	LST	OX	0.00	
121.00	LST	OX	0.00	
122.00	LST	OX	0.00	
123.00	LST	OX	0.00	
124.00	LST	OX	0.09	
125.00	LST	OX	0.01	
126.00	LST	OX	0.10	
127.00	LST	OX	0.09	
128.00	LST	OX	0.00	
129.00	LST	OX	0.31	
130.00	LST	OX	0.01	
131.00	LST	OX	0.00	
132.00	LST	OX	0.00	
133.00	LST	OX	0.00	
134.00	LST	OX	0.00	
135.00	LST	OX	0.01	
136.00	LST	OX	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	LST	OX	0.00	
138.00	LST	OX	0.00	
139.00	LST	OX	0.00	
140.00	LST	OX	0.00	
141.00	LST	OX	0.00	
142.00	LST	OX	0.00	
143.00	LST	OX	0.03	
144.00	LST	MBL	0.00	
145.00	LST	MBL	0.07	
146.00	LST	MBL	12.00	
147.00	VOL	Bi	4.52	
148.00	VOL	Bi	0.38	
149.00	VOL	Cl	0.91	
150.00	VOL	Cl	24.30	
151.00	VOL	Cl	16.30	
152.00	VOL	Cl	28.20	
153.00	VOL	Cl	12.40	
154.00	VOL	Cl	4.46	
155.00	VOL	Cl	1.24	
156.00	VOL	Cl	4.13	
157.00	VOL	Cl	36.40	
158.00	VOL	Cl	7.61	
159.00	VOL	Cl	12.20	
160.00	VOL	Cl	7.08	
161.00	VOL	Cl	7.86	
162.00	VOL	Mg	13.50	
163.00	VOL	Mg	26.70	
164.00	VOL	Mg	12.80	
165.00	VOL	Mg	28.90	
166.00	VOL	Mg	7.32	
167.00	VOL	Mg	15.70	
168.00	VOL	Mg	17.90	
169.00	VOL	Mg	5.67	
170.00	VOL	Cl	6.86	
171.00	VOL	Cl	4.22	
172.00	VOL	Cl	1.15	
173.00	VOL	Cl	0.67	
174.00	VOL	Cl	0.34	
175.00	VOL	Cl	0.43	
176.00	VOL	Cl	0.25	
177.00	VOL	Cl	0.29	
178.00	VOL		1.09	
179.00	VOL		1.51	
180.00	VOL		0.00	
181.00	VOL		0.29	
182.00	VOL		0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00	VOL		0.34	
184.00	VOL		0.34	
185.00	VOL		0.31	
186.00	VOL		0.21	
187.00	VOL		0.21	
188.00	VOL		0.25	
189.00	VOL		1.22	
190.00	VOL		0.25	
191.00	VOL		0.43	
192.00	VOL		0.21	
193.00	VOL	Ca	0.31	
194.00	VOL	Ca	0.34	
195.00	VOL	Ca	0.45	
196.00	VOL	Ca	0.12	
197.00	VOL	Ca	0.25	
198.00	VOL	Ca	0.12	
199.00	VOL	Ca	0.00	
200.00	VOL	Ca	0.25	
201.00	VOL	OX	0.05	
202.00	VOL	OX	0.00	
203.00	VOL	OX	0.14	
204.00	VOL	OX	0.09	
205.00	OX	LST	4.33	
206.00	OX	LST	0.07	
207.00	OX	LST	0.00	
208.00	LST	Ca	0.00	
209.00	LST	Ca	0.00	
210.00	OX	LST	0.05	
211.00	OX	LST	0.00	
212.00	OX	LST	0.18	
213.00	OX	LST	0.00	
214.00	OX	LST	0.03	
215.00	OX	LST	0.07	
216.00	OX	LST	0.36	
217.00	OX	LST	0.00	
218.00	OX	LST	0.00	
219.00	OX	LST	0.40	
220.00	OX		0.23	
221.00	OX		0.02	
222.00	OX		0.00	
223.00	OX		0.00	
224.00	OX		0.38	
225.00	OX		0.43	
226.00	OX		0.38	
227.00	OX		0.53	
228.00	OX		0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
229.00	OX		0.71	
230.00	OX		0.47	
231.00	OX		0.41	
232.00	OX		0.28	
233.00	OX		0.30	
234.00	OX		0.24	
235.00	OX		0.14	
236.00	OX		0.84	
237.00	OX		0.24	
238.00	OX		0.30	
239.00	OX		0.40	
240.00	OX		0.00	
241.00	OX		0.02	
242.00	OX		0.00	
243.00	OX		0.57	
244.00	OX		0.24	
245.00	OX		0.02	
246.00	OX		0.14	
247.00	OX		0.00	
248.00	OX		0.26	
249.00	OX		0.20	
250.00	OX		0.30	
251.00	OX		0.12	
252.00	OX		0.00	
253.00	OX		0.12	
254.00	OX		0.00	
255.00	Qz		0.00	
256.00	Qz		0.00	
257.00	Qz		0.00	
258.00	Qz		0.00	
259.00	OX		0.00	
260.00	LST	DOL	0.00	
261.00	LST	DOL	0.00	
262.00	LST	DOL	0.00	
263.00	LST	DOL	0.00	
264.00	LST	DOL	0.00	
265.00	LST	DOL	0.00	
266.00	LST	DOL	0.00	
267.00	LST	DOL	0.00	
268.00	LST	DOL	0.00	
269.00	LST	DOL	0.55	
270.00	LST	DOL	0.00	

DENSITY LOG

HOLE: Rau-10-101

Depth (m)	Unit	Modifier	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
			Py %	As %	Other	%							
46.85	VOL							14.9	6.1	1243.0	811.7	2.88	2.88
59.60	VOL				Po	w		14.8	6.1	1187.9	755.4	2.78	2.75
96.80	LST	FOS	w					14.8	6.1	1206.5	773.8	2.82	2.79
128.36	LST							15.0	5.0	802.1	501.4	2.69	2.67
195.65	VOL	FO						14.5	5.0	791.5	500.2	2.74	2.72
211.90	LST	MBL						14.5	5.0	793.1	502.0	2.75	2.72
270.00	LST	DOL						14.6	5.0	811.9	520.5	2.79	2.79

HOLE: Rau-10-101

Box #	Diameter (cm)	From (m)	To (m)	Unit	Modifier	Recovery	Weight	Density	Comments
50	5.0	225.70	231.34	OX		4.32	52.75	2.78	
51	5.0	231.34	236.83	OX		4.45	52.75	2.70	
52	5.0	236.83	242.47	OX		3.50	44.8	2.91	
53	5.0	242.47	247.72	OX		4.15	54.8	3.01	
54	5.0	247.72	253.37	OX		4.21	53.8	2.91	

BOX LOG

HOLE: Rau-10-101

BOX	FROM (m)	TO (m)
1	2.50	5.62
2	5.62	9.06
3	9.06	12.65
4	12.65	16.63
5	16.63	20.12
6	20.12	23.74
7	23.74	27.93
8	27.93	31.94
9	31.94	35.66
10	35.66	39.51
11	39.51	43.28
12	43.28	46.70
13	46.70	49.78
14	49.78	53.44
15	53.44	56.54
16	56.54	60.48
17	60.48	64.62
18	64.62	68.54
19	68.54	72.33
20	72.33	76.36
21	76.36	80.39
22	80.39	84.35
23	84.35	87.84
24	87.84	91.33
25	91.33	95.10
26	95.10	98.76
27	98.76	101.19
28	101.19	106.33
29	106.33	111.30
30	111.30	116.60
31	116.60	121.63
32	121.63	126.62
33	126.62	131.34
34	131.34	137.16
35	137.16	142.86

BOX	FROM (m)	TO (m)
36	142.86	148.42
37	148.42	153.57
38	153.57	158.52
39	158.52	163.73
40	163.73	169.47
41	169.47	175.83
42	175.83	183.79
43	183.79	190.06
44	190.06	195.75
45	195.05	201.65
46	201.65	207.41
47	207.41	213.88
48	213.88	220.68
49	220.68	225.70
50	225.70	231.34
51	231.34	236.83
52	236.83	242.47
53	242.47	247.72
54	247.72	252.37
55	252.37	258.93
56	258.93	265.00
57	265.00	270.36
270.36 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
10+250NW	10+116NE	528420	7119305	1352	145.69

ZONE: Tiger

SECTION: 10+250NW

HOLE: **Rau-10-102**

CLAIM:

Contractor: Superior

Drill: 2

Core size: HQ

Casing depth: 6.08 m out

Drilling dates: July 22-28, 2010

Geology logged by: K. Wynne

TARGET: Oxide

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	229	-63.0	compass				

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	5.18	5.18	OVB	
5.18	38.85	33.67	LST	Weak DOL alteration with sBX.
38.85	41.13	2.28	OX	Oxidized volcanic
41.13	46.17	5.04	LST	Intense MBL
46.17	62.41	16.24	OX	Trace quartz throughout interval
62.41	64.00	1.59	LST	Strongly oxidized.
64.00	68.25	4.25	SHL	Intensely oxidized.
68.25	87.97	19.72	OX	Zones of unaltered LST within
87.97	143.25	55.28	OX	
143.25	145.69	2.44	LST	Marbleized and silicified, with OX zones.
145.69	E.O.H.			

SAMPLES

Numbers: I076501-I076536, I076579-I076586, I076612-I076639

Total: 72

Batch: 56, 57, 58, 59, 60

Date Sent: July 27,28,29,30 2010

Certificate: VA10104814, VA10104816, VA10104815 VA10104915, VA10104914

COMMENTS

The hole was ended because it was past the targeted horizon. The hole was lined with PVC pipe for use in a later gravity survey.

GEOLOGY LOG

HOLE: Rau-10-102

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	5.18	5.18				OVB			Overburden - no recovery																		
5.18	38.85	33.67				LST		RBL	Grey sBX to muddy limestone with minor fossils. Very rubbly to gritty.																		
			5.18	14.45	9.27	LST		RBL	Grey weakly dolomitized sBX LST, with varying degrees of open space formation and filling. Very rubbly with trace OX, and trace favocities fossils.					w		t											
			14.45	38.85	24.40	LST		RBL	Grey weakly banded and bioturbated crinoid wackstone LST with cryptic fossil fragments after wispy rust-red OX fragments. Weak OX rubble to gouge between broken core.							w											
38.85	41.13	2.28				OX	VOL		Pale yellow to rusty orange OX VOL. lCN rubbly into intensely MBL LST. Clay to easily broken rubble to core.							i		SER	i								
41.13	46.17	5.04				LST	MBL		FG to MG medium grey intensely MBL LST. FO defined by light grey and dark to medium grey banding. Very broken core, rubbly with medium orange brown to medium brown clay coating FX and in rubble zones. lCN has 5 cm thick dark brown silty zone 15 cm before contact.							w		MBL	i								
46.17	62.41	16.24				OX			Medium orange brown OX clay to rubble and dark brown to black SID silt to rubble. Variably fizzes in 10% HCl. Qz rubble rich zones. Trace Qz throughout.							i	s										
			54.05	56.65	2.60	OX			SID rich interval, largely rubble, dark brown to black with orange brown surface locally. Trace Qz though interval, Qz rich for last 20 cm, with < 2 cm angular Qz rubble composing 15% of zone.							i	i										
			56.65	57.30	0.65	OX			Orange brown with white and dark green grey layers, doesn't fizz in 10% HCl. Appears to be relic texture, possibly of FO in DOL?	FO	50					i	m										
			58.83	60.30	1.47	OX			Dark brown to black with orange brown surface, intense SID zone of mostly solid core, with some clay to rubble.							i	i									
			60.30	62.41	2.11	OX			Light to medium orange brown clay to core, easily broken to rubble. Trace Qz throughout the interval, ~40% from 60.30-60.60 m and 30% from 61.10-61.27 m. Interval begins to fizz in 10% HCl after 60.90 m, with intense SID alteration toward the lCN.							i	ms										

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
62.41	64.00	1.59				LST	OX		Sharp uCN with orange brown OX which fizzes in 10% HCl. Interval is less OX medium grey to light medium orange clay to core. Medium grey zones are cohesive core with dark grey stringers forming cBX which are more calcareous than light grey to light yellow DOL. Interval is intensely OX in zones to orange brown and dark brown bottle clay to core.					s		s												
64.00	68.25	4.25				SHL	OX		FG dark grey FO SHL. Fractures occur along the FO with a slight sheen on their surface. Non-calcareous in 10% HCl. Completely OX in zones, generally interfingering with dark grey shale. FO is obscured by alteration but is weakly present at 70-75 degrees. Textures in the OX are grit to clay, but predominantly silt. 5 cm Qz/Ca zone 5 cm before lCN.	FO	70					i											
68.25	87.97	19.72				OX	LST		Orange brown clay to rubble with zones of variably OX, variably DOL altered LST.																		
			68.25	69.00	0.75	LST	OX		uCN in oxide zone; determined by transition from non-calcareous to calcareous OX. Grades into weakly OX medium grey cBX LST with oxidized Py and crinoid fossils throughout.							s											
			69.00	70.40	1.40	OX			Dark orange brown calcareous OX, clay to core which is easily broken to rubble. Qz VN < 3 cm wide. Grades into brown clay to rubble.																		
			70.40	71.82	1.42	LST	DOL		Medium grey, FG, weak to intensely DOL altered locally cBX LST. Alteration averages moderately DOL altered. Very broken with weak to intense, overall moderate OX. Dark brown FG to MG OX Py is disseminated throughout.					m		m											
									Low angle Qz VT ~ 1.5 cm wide.	VT	10																
			71.82	73.20	1.38	OX	LST		Orange brown clay to core, calcareous oxide that is less altered portions appear to be DOL or intensely DOL LST. Qz rubble occurs throughout the interval.					i		i											
			73.20	74.04	0.84	LST	OX		Medium grey to brown, predominantly solid core with increased alteration to silt and clay in the last 30 cm. Weak cBX by black seams occur throughout along with trace disseminated OX Py.					m		s											
			74.04	74.49	0.45	OX	Qz		Qz rich (70%) rubble <4 cm diameter with orange brown clay to grit coating rubble.							i										

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			74.49	75.54	1.05	OX	DOL		Orange brown clay to relatively unaltered MG, cBX, DOL with trace disseminated FG to MG OX Py. The last 25 cm are intensely SID altered and broken up to grit. OX and cBX seams fizz in 10% HCl.							i	s										
			75.54	81.00	5.46	LST	OX		Medium grey, locally weakly MBL LST. Very broken with weak to intense OX along fractures and in pervasive zones up to 30 cm long of orange brown and grey brown clay to rubble.							m		MBL	t								
			78.89	81.00	2.11				3 Qz VN, 3 to 35 cm long the largest of which is very broken.	VT	20		1													
			81.00	82.70	1.70	OX	LST		Medium grey clay to solid core with a gradational increase in clay content and orange brown colour, along with increased Qz content, down interval.																	
			82.70	84.00	1.30	OX	Qz		Bright orange-brown clay to rubble, locally SID rich. Very Qz rich (60%) rubble < 3 cm in diameter.																	
			84.00	87.97	3.97	OX	Qz		Green grey to orange brown clay to rubble, with solid relatively unaltered LST core in zones. Grey clay fizzes strongly in 10% HCl. Qz rubble common in orange brown altered zones.																	
87.97	143.25	55.28				OX			Orange brown clay to rubble with SID rich zones of silt to solid core, predominantly grit. Also has grey brown sections < 30 cm long of clay to rubble. Variably calcareous, with trace Qz locally increasing to fair Qz rubble < 4 cm in diameter. LST clasts trace through first 11 m.							i										
			98.60	101.50	2.90	OX			Orange brown to grey brown clay to rubble. First 10 cm is LST rubble followed by 1 m of orange clay to grit with LST and Qz rubble > 3 cm, averaging 0.5 cm. Interval fizzes in 10% HCl. Ream in rods directly above interval may account for loose LST RBL in top 10 cm.							i										
			108.70	109.12	0.42	OX	Qz		Orange brown clay to grit with 30% Qz rubble to core < 6 cm long.							i										
			109.12	112.49	3.37	OX			Dark grey brown to light yellow brown clay to rubble with sand sized rubble in first 2 m. Fizzes in 10% HCl, gradational lCN.							i										
			112.49	114.60	2.11	LST	OX		Medium grey, FG, strong DOL LST, weak cBX by overprinted grey seams. Locally intense orange brown OX and light brown clay to rubble. LST is rubble to solid core.					s		s										
			114.60	115.21	0.61	OX			Light brown OX clay to rubble, fizzes in 10% HCl.							i										

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			115.21	120.24	5.03	OX			Orange brown to black, OX and SID altered clay to rubble. Doesn't fizz in 10% HCl. No noticeable Qz rubble.							i	i										
			118.00	118.23	0.23				Light yellow to green grey silt, with minimal clay to rubble.																		
			120.24	126.65	6.41	LST	OX		Light orange, intense OX, FG strongly DOL LST. Fizzes fairly in 10% HCl. Weak to intense OX as gradational zones.					s		i												
			126.65	135.62	8.97	OX	VOL		Orange brown intensely OX, non calcareous VOL, with zones of intense SER alteration where rock is less OX. OX is generally solid core, sometimes breakable to clay or rubble. Rock is variably fissile, with some intensely OX zones not easily broken along FX.							i	m	SER	i									
									Fo is variable from 55 to 70.	FO	60																
			135.52	135.62	0.10				Qz VN, very broken to rubble	VN																	
			135.62	142.80	7.18	OX			Dark orange brown surface with dark brown to black and light orange mottled centre, intensely OX and intensely SID. Doesn't fizz in 10% HCl. Clay to core, predominantly core easily broken to grit.							i	i											
			142.80	143.25	0.45	OX			Light yellow grey clay, doesn't fizz, appears platy before being squished; intense SER							i		SER	i								
143.25	145.69	2.44				LST	MBL		Light grey moderately to strongly MBL altered LST with intense OX zones < 20 cm long, focused near uCN. Weak cBX by Ca VT locally altered orange brown. Interval is hard, fair SIL, with Qz VT at various orientations. Trace disseminated FG Py.							ms		MBL	ms	t								
									145.69 m - E.O.H. The hole was ended because it was through the targeted oxide horizon.									SIL	f									

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-102

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
38.85	41.13	2.28	OX	VOL	0.92	40	I076501	56	0.01	0.28	510	9.58	
41.13	43.59	2.46	LST	MBL	1.24	50	I076502	56	0.03	0.13	134	0.92	
43.59	45.11	1.52	LST	MBL	0.62	41	I076503	56	0.05	0.17	52	0.87	
45.11	48.16	3.05	OX		1.14	37	I076504	56	0.91	21.10	10750	1230.00	
48.16	49.68	1.52	OX		0.38	25	I076505	56	0.22	2.96	8330	902.00	
49.68	51.21	1.53	OX	OX	1.02	67	I076507	56	0.21	1.91	9520	1020.00	
51.21	52.73	1.52	OX	OX	1.52	100	I076509	56	0.50	1.68	9630	1570.00	
52.73	54.25	1.52	OX	OX	1.10	72	I076510	56	0.33	0.93	8530	418.00	
54.25	55.78	1.53	OX	OX	1.11	73	I076511	56	0.17	8.63	16850	78.80	
55.78	57.30	1.52	OX	OX	0.94	62	I076512	56	0.69	26.40	36700	1250.00	
57.30	60.35	3.05	OX	OX	2.59	85	I076513	56	5.34	3.99	83400	947.00	
60.35	62.40	2.05	OX	OX	1.80	88	I076514	56	0.74	0.72	16600	126.50	
62.40	64.92	2.52	LST	OX	2.30	91	I076515	56	0.41	0.15	6860	34.00	
64.92	68.25	3.33	SHL	OX	3.12	94	I076517	57	0.27	0.11	5760	15.95	
68.25	70.40	2.15	OX		2.00	93	I076518	57	1.24	0.14	4540	62.10	
70.40	72.54	2.14	LST	DOL	1.95	91	I076519	57	0.20	0.06	1400	7.84	
72.54	74.07	1.53	LST	OX	1.12	73	I076520	57	0.28	0.16	2350	26.10	
74.07	75.59	1.52	OX	DOL	1.31	86	I076521	57	0.21	0.15	3070	43.70	
75.59	77.11	1.52	LST	OX	0.86	57	I076522	57	0.35	0.13	2120	7.72	
77.11	78.89	1.78	LST	OX	1.62	91	I076523	57	0.17	0.13	802	2.09	
78.89	81.00	2.11	LST	OX	1.98	94	I076525	57	0.33	0.07	2180	15.60	
81.00	82.00	1.00	OX	LST	1.65	165	I076526	57	0.45	0.10	2070	7.24	
82.00	84.00	2.00	OX	Qz	0.85	43	I076527	57	0.45	0.65	8350	77.20	
84.00	84.73	0.73	OX	Qz	0.72	99	I076529	57	0.69	0.17	3830	27.80	
84.73	86.26	1.53	OX	Qz	1.13	74	I076530	57	0.42	0.11	2560	20.50	
86.26	87.78	1.52	OX	Qz	1.51	99	I076531	57	0.41	0.20	2630	12.50	
87.78	89.31	1.53	OX		1.03	67	I076532	57	0.91	1.36	19850	215.00	
89.31	90.83	1.52	OX		0.41	27	I076533	57	1.54	1.94	23900	306.00	
90.83	92.35	1.52	OX		0.69	45	I076534	57	3.01	2.28	20500	480.00	
92.35	93.87	1.52	OX		1.10	72	I076535	57	1.16	0.98	23800	550.00	
93.87	95.40	1.53	OX		1.15	75	I076579	58	0.92	0.79	26100	180.00	Break in sequence
95.40	96.93	1.53	OX		1.36	89	I076580	58	1.06	1.46	32900	153.00	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
96.93	98.45	1.52	OX		1.13	74	I076581	58	1.17	3.47	32200	91.70	
98.45	99.97	1.52	OX		1.43	94	I076582	58	0.87	4.51	15750	412.00	
99.97	101.50	1.53	OX		1.14	75	I076584	58	1.14	1.52	18150	631.00	
101.50	103.02	1.52			1.21	80	I076585	58	1.84	2.52	36900	577.00	
103.02	104.55	1.53	OX		1.23	80	I076612	59	1.80	4.07	35000	1195.00	Break in sequence
104.55	106.07	1.52	OX		1.01	66	I076613	59	0.77	2.51	33600	821.00	
106.07	107.59	1.52	OX		1.17	77	I076614	59	1.01	3.91	34200	559.00	
107.59	109.12	1.53	OX	Qz	0.85	56	I076615	59	1.77	10.15	27200	1000.00	
109.12	110.64	1.52	OX		0.26	17	I076616	59	2.98	119.00	7930	502.00	
110.64	112.17	1.53	OX		0.36	24	I076617	59	0.91	355.00	9880	171.50	
112.17	113.69	1.52	LST	OX	1.07	70	I076618	59	1.51	6.44	4280	30.10	
113.69	115.21	1.52	OX		0.97	64	I076619	59	0.32	1.74	1460	5.03	
115.21	116.74	1.53	OX		0.70	46	I076620	59	6.92	8.16	64100	225.00	
116.74	118.26	1.52	OX		1.43	94	I076622	59	7.57	15.00	63300	514.00	
118.26	119.79	1.53	OX		0.73	48	I076623	59	1.35	54.10	13150	52.50	
119.79	122.83	3.04	LST	OX	2.79	92	I076624	59	0.42	2.10	2030	12.70	
122.83	124.36	1.53	LST	OX	1.46	95	I076625	60	0.10	0.34	1170	10.85	
124.36	126.66	2.30	LST	OX	2.00	87	I076626	60	0.06	0.45	1760	3.87	
126.66	128.93	2.27	OX	VOL	2.27	100	I076628	60	0.06	0.28	1110	1.82	
128.93	131.98	3.05	OX	VOL	2.92	96	I076629	60	0.03	0.20	792	1.96	
131.98	133.50	1.52	OX	VOL	1.52	100	I076630	60	0.04	0.26	4730	7.46	
133.50	135.02	1.52	OX	VOL	1.38	91	I076631	60	0.02	0.44	5450	7.54	
135.02	135.56	0.54	OX	VOL	0.54	100	I076633	60	0.04	1.35	1720	2.48	
135.56	136.55	0.99	OX	OX	0.8	81	I076634	60	0.07	0.92	15950	27.20	
136.55	139.60	3.05	OX	OX	2.56	84	I076635	60	0.07	0.95	16700	39.60	
139.60	141.22	1.62	OX	OX	0.32	20	I076636	60	0.17	1.67	17400	20.20	
141.22	142.65	1.43	OX	OX	0.61	43	I076637	60	0.04	0.96	1040	1.15	
142.65	143.25	0.60	OX		0.60	100	I076638	60	0.04	8.19	821	0.97	
143.25	145.69	2.44	LST	MBL	2.44	100	I076639	60	<0.01	0.25	59	0.29	
-	-	-			-	-	I076506	56	0.01	0.02	12	3.10	Blank (HQ)
49.68	51.21	1.53	OX	OX	1.02	67	I076508	56	0.25	1.77	10800	1020.00	Duplicate
-	-	-			-	-	I076516	56	8.29	23.20	10	1.62	Standard ROS-4

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
77.11	78.89	1.78	LST	OX	1.62	91	I076524	57	0.16	0.14	860	2.04	Duplicate
-	-	-			-	-	I076528	57	1.37	0.60	80	1.34	Standard ROS-2
-	-	-			-	-	I076536	57	0.01	0.02	144	1.45	Blank (HQ)
-	-	-			-	-	I076583	58	0.40	6.89	7	3.38	Standard ROS-1
-	-	-			-	-	I076586	58	<0.01	0.01	58	2.12	Blank (HQ)
-	-	-			-	-	I076621	59	0.01	0.05	49	0.36	Blank (HQ)
-	-	-			-	-	I076627	60	<0.01	0.01	<5	0.05	Blank (HQ)
-	-	-			-	-	I076632	60	1.37	0.58	77	1.15	Standard ROS-2

GEOTECHNICAL LOG

HOLE: Rau-10-102

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
5.18	5.49	0.31	0.31	100	0.00	0	W	SW		
5.49	7.01	1.52	0.35	23	0.00	0	W	SW		
7.01	8.53	1.52	0.59	39	0.00	0	W	SW		
8.53	10.06	1.53	0.75	49	0.20	13	MS	SW		
10.06	11.58	1.52	1.30	86	0.51	34	MS	SW		
11.58	13.11	1.53	0.98	64	0.00	0	MS	SW		
13.11	14.63	1.52	1.00	66	0.21	14	W	HW		
14.63	16.15	1.52	0.55	36	0.00	0	MS	SW		
16.15	17.68	1.53	1.13	74	0.14	9	MS	SW		
17.68	19.20	1.52	0.71	47	0.00	0	W	MW		
19.20	20.73	1.53	1.32	86	0.00	0	W	HW		
20.73	22.25	1.52	1.09	72	0.00	0	W	MW		
22.25	23.77	1.52	0.77	51	0.00	0	W	HW		
23.77	25.30	1.53	0.60	39	0.00	0	MS	SW		
25.30	26.82	1.52	0.79	52	0.00	0	MS	SW		
26.82	28.35	1.53	0.59	39	0.21	14	MS	SW		
28.35	29.87	1.52	0.77	51	0.23	15	W	SW		
29.87	31.39	1.52	1.13	74	0.00	0	MS	SW		
31.39	32.92	1.53	1.19	78	0.48	31	W	HW		
32.92	34.44	1.52	0.89	59	0.38	25	MS	HW		
34.44	35.97	1.53	1.21	79	0.00	0	W	HW		
35.97	37.49	1.52	0.45	30	0.00	0	W	MW		
37.49	39.01	1.52	0.39	26	0.00	0	EW	EW		
39.01	40.53	1.52	0.40	26	0.00	0	EW	EW	2.5YR6/6	OXIDE
40.53	42.06	1.53	1.19	78	0.00	0	EW	EW	10YR4/4	OXIDE
42.06	43.59	1.53	0.98	64	0.00	0	W	VW		
43.59	45.11	1.52	0.73	48	0.00	0	W	VW		
45.11	46.63	1.52	0.46	30	0.00	0	EW	EW	5YR4/4	OXIDE
46.63	48.16	1.53	0.82	54	0.00	0	EW	EW	5YR3/3	OXIDE
48.16	49.68	1.52	0.42	28	0.00	0	EW	EW	5YR4/4	OXIDE
49.68	51.21	1.53	1.09	71	0.00	0	EW	EW	5YR4/3	OXIDE
51.21	52.73	1.52	1.52	100	0.00	0	EW	EW	5YR4/4	OXIDE
52.73	54.25	1.52	1.19	78	0.00	0	EW	EW	7.5YR4/6	OXIDE
54.25	55.78	1.53	1.23	80	0.00	0	EW	EW	5YR4/6	OXIDE
55.78	57.30	1.52	0.98	64	0.00	0	EW	EW	5Y5/3 5YR4/6	OXIDE
57.30	58.83	1.53	1.44	94	0.00	0	EW	EW	5YR4/6	OXIDE
58.83	60.35	1.52	1.27	84	0.00	0	EW	EW	5YR4/4	OXIDE
60.35	61.87	1.52	1.38	91	0.00	0	EW	EW	7.5YR5/6	OXIDE
61.87	63.40	1.53	1.45	95	0.00	0	EW	EW	5Y5/2 10YR5/3	OXIDE
63.40	64.92	1.52	1.39	91	0.00	0	EW	EW	5Y5/2 10YR5/3	OXIDE
64.92	66.45	1.53	1.32	86	0.00	0	EW	EW	5Y5/2 10YR5/3	OXIDE
66.45	67.97	1.52	1.52	100	0.00	0	EW	EW	2.5YR5/2 GLEY16/10Y	OXIDE
67.97	69.49	1.52	1.43	94	0.17	11	EW	EW	7.5YR5/8	OXIDE
69.49	71.02	1.53	1.45	95	0.18	12	EW	EW	7.5YR5/8	OXIDE
71.02	72.54	1.52	1.27	84	0.14	9	EW	EW	10YR4/4	OXIDE
72.54	74.07	1.53	1.12	73	0.00	0	EW	EW	2.5Y4/3	OXIDE

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
74.07	75.59	1.52	1.31	86	0.00	0	EW	EW	10YR4/6	OXIDE
75.59	77.11	1.52	0.86	57	0.00	0	EW	EW	10YR4/4	OXIDE
77.11	78.64	1.53	1.48	97	0.00	0	EW	EW	10YR3/6	OXIDE
78.64	80.16	1.52	1.41	93	0.12	8	EW	EW	10YR2/2	OXIDE
80.16	81.68	1.52	1.52	100	0.22	14	EW	EW	7.5YR4/1	OXIDE
81.68	83.21	1.53	1.17	76	0.00	0	EW	EW	5YR4/2	OXIDE
83.21	84.73	1.52	1.35	89	0.00	0	EW	EW	5YR4/6	OXIDE
84.73	86.26	1.53	1.13	74	0.00	0	EW	EW	5YR4/2	OXIDE
86.26	87.78	1.52	1.51	99	0.00	0	EW	EW	5YR4/1	OXIDE
87.78	89.31	1.53	1.03	67	0.00	0	EW	EW	5YR3/4	OXIDE
89.31	90.83	1.52	0.41	27	0.00	0	EW	EW	5YR4/4	OXIDE
90.83	92.35	1.52	0.69	45	0.00	0	EW	EW	5YR4/4	OXIDE
92.35	93.87	1.52	1.10	72	0.00	0	EW	EW	5YR4/4	OXIDE
93.87	95.40	1.53	1.15	75	0.00	0	EW	EW	5YR4/4	OXIDE
95.40	96.93	1.53	1.36	89	0.00	0	EW	EW	7.5YR5/8	OXIDE
96.93	98.45	1.52	1.13	74	0.00	0	EW	EW	7.5YR5/8	OXIDE
98.45	99.97	1.52	1.43	94	0.00	0	EW	EW	5YR4/4	OXIDE
99.97	101.50	1.53	1.14	75	0.00	0	EW	EW	5YR5/8	OXIDE
101.50	103.02	1.52	1.21	80	0.00	0	EW	EW	5YR5/6	OXIDE
103.02	104.55	1.53	1.23	80	0.00	0	EW	EW	7.5YR5/6	OXIDE
104.55	106.07	1.52	1.01	66	0.00	0	EW	EW	5YR4/6	OXIDE
106.07	107.59	1.52	1.17	77	0.00	0	EW	EW	5YR4/6	OXIDE
107.59	109.12	1.53	0.85	56	0.00	0	EW	EW	7.5YR4/4	OXIDE
109.12	110.64	1.52	0.26	17	0.00	0	EW	EW	7.5YR4/2	OXIDE
110.64	112.17	1.53	0.36	24	0.00	0	EW	EW	5YR4/3	OXIDE
112.17	113.69	1.52	1.07	70	0.00	0	EW	EW	10YR6/4 5YR4/3	OXIDE
113.69	115.21	1.52	0.97	64	0.26	17	W	HW	10YR5/4	1/2 OXIDE, 1/2 VERY OXIDIZED LST
115.21	116.74	1.53	0.70	46	0.00	0	EW	EW	5YR4/4	OXIDE
116.74	118.26	1.52	1.43	94	0.00	0	EW	EW	5YR4/4 2.5Y6/3	OXIDE
118.26	119.79	1.53	0.73	48	0.00	0	EW	EW	7.5YR4/6	OXIDE
119.79	121.31	1.52	1.50	99	0.23	15	W	HW	7.5YR4/6	1/2 OXIDE, 1/2 VERY OXIDIZED LST
121.31	122.83	1.52	1.29	85	0.00	0	EW	EW	7.5YR4/6	OXIDE
122.83	124.36	1.53	1.46	95	0.00	0	EW	EW	7.5YR6/8	OXIDE
124.36	125.88	1.52	1.17	77	0.00	0	EW	EW	10YR6/8	OXIDE
125.88	127.41	1.53	1.53	100	0.00	0	EW	EW	5YR5/8	OXIDE
127.41	128.93	1.52	1.52	100	0.00	0	EW	EW	10YR5/8	OXIDE
128.93	130.45	1.52	1.49	98	0.00	0	EW	EW	10YR6/4	OXIDE
130.45	131.98	1.53	1.46	95	0.00	0	EW	EW	10YR6/6	OXIDE
131.98	133.50	1.52	1.52	100	0.00	0	EW	EW	7.5YR5/6	OXIDE
133.50	135.03	1.53	1.38	90	0.00	0	EW	EW	7.5YR5/6	OXIDE
135.03	136.55	1.52	1.50	99	0.00	0	EW	EW	7.5YR5/8	OXIDE
136.55	138.07	1.52	1.23	81	0.00	0	EW	EW	7.5YR5/8	OXIDE
138.07	139.60	1.53	1.33	87	0.00	0	EW	EW	7.5YR5/8	OXIDE
139.60	141.22	1.62	0.32	20	0.00	0	EW	EW	7.5YR5/8	OXIDE
141.22	142.65	1.43	0.61	43	0.00	0	EW	EW	5YR5/8	OXIDE
142.65	144.17	1.52	1.52	100	0.00	0	EW	EW	10YR7/6	OXIDE
144.17	145.69	1.52	1.48	97	1.06	70	MS	SW		
145.69	E.O.H.									

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-102

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00			N/A	
2.00			N/A	
3.00			N/A	
4.00			N/A	
5.00			N/A	
6.00	LST		0	
7.00	LST		0	
8.00	LST		0	
9.00	LST		0	
10.00	LST		0	
11.00	LST		0	
12.00	LST		0	
13.00	LST		0	
14.00	LST		0	
15.00	LST		0	
16.00	LST		0	
17.00	LST		0	
18.00	LST		0	
19.00	LST		0	
20.00	LST		0.18	
21.00	LST		0.04	
22.00	LST		0.06	
23.00	LST		0.9	
24.00	LST		0	
25.00	LST		0	
26.00	LST		0	
27.00	LST		0	
28.00	LST		0	
29.00	LST		0	
30.00	LST		0	
31.00	LST		0	
32.00	LST		0	
33.00	LST		0	
34.00	LST		0	
35.00	LST		0.1	
36.00	LST		0	
37.00	LST		0	
38.00	LST		0.26	
39.00	OX	VOL	0.26	
40.00	OX	VOL	0.16	
41.00	OX	VOL	0.04	
42.00	LST	MBL	0.00	
43.00	LST	MBL	0.00	
44.00	LST	MBL	0.30	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	LST	MBL	0.00	
46.00	LST	MBL	0.23	
47.00	OX		0.31	
48.00	OX		0.42	
49.00	OX		0.75	
50.00	OX		0.31	
51.00	OX		0.53	
52.00	OX		0.35	
53.00	OX		0.35	
54.00	OX		0.36	
55.00	OX		0.30	
56.00	OX		0.28	
57.00	OX		0.30	
58.00	OX		1.26	
59.00	OX		0.42	
60.00	OX		0.35	
61.00	OX		0.31	
62.00	OX		0.15	
63.00	LST	OX	0.28	
64.00	LST	OX	0.03	
65.00	SHL	OX	0.06	
66.00	SHL	OX	0.16	
67.00	SHL	OX	0.15	
68.00	SHL	OX	0.05	
69.00	LST	OX	0.08	
70.00	OX		0.10	
71.00	LST	DOL	0.00	
72.00	OX	LST	0.00	
73.00	OX	LST	0.00	
74.00	LST	OX	0.10	
75.00	OX	DOL	0.00	
76.00	LST	OX	0.00	
77.00	LST	OX	0.00	
78.00	LST	OX	0.25	
79.00	LST	OX	0.00	
80.00	LST	OX	0.06	
81.00	LST	OX	0.00	
82.00	OX	LST	0.00	
83.00	OX	Qz	0.00	
84.00	OX	Qz	0.00	
85.00	OX	Qz	0.00	
86.00	OX	Qz	0.00	
87.00	OX	Qz	0.00	
88.00	OX		0.11	
89.00	OX		0.63	
90.00	OX		0.36	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	OX		0.00	
92.00	OX		0.11	
93.00	OX		0.03	
94.00	OX		0.20	
95.00	OX		0.42	
96.00	OX		0.25	
97.00	OX		0.58	
98.00	OX		0.28	
99.00	OX		0.58	
100.00	OX		0.13	
101.00	OX		0.15	
102.00	OX		0.45	
103.00	OX		0.35	
104.00	OX		0.42	
105.00	OX		0.48	
106.00	OX		0.68	
107.00	OX		0.57	
108.00	OX	Qz	0.33	
109.00	OX	Qz	0.21	
110.00	OX		3.24	
111.00	OX		2.53	
112.00	OX		0.11	
113.00	LST	OX	0.13	
114.00	LST	OX	0.00	
115.00	OX		0.25	
116.00	OX		0.35	
117.00	OX		0.26	
118.00	OX		0.38	
119.00	OX		0.50	
120.00	OX		0.33	
121.00	LST	OX	0.06	
122.00	LST	OX	0.08	
123.00	LST	OX	0.00	
124.00	LST	OX	0.03	
125.00	LST	OX	0.18	
126.00	LST	OX	0.13	
127.00	OX	VOL	0.33	
128.00	OX	VOL	0.00	
129.00	OX	VOL	0.23	
130.00	OX	VOL	0.35	
131.00	OX	VOL	0.38	
132.00	OX	VOL	0.01	
133.00	OX	VOL	0.15	
134.00	OX	VOL	0.68	
135.00	OX	VOL	0.13	
136.00	OX		0.28	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	OX		0.33	
138.00	OX		0.55	
139.00	OX		0.15	
140.00	OX		0.15	
141.00	OX		0.16	
142.00	OX		0.43	
143.00	OX		0.21	
144.00	LST	MBL	0.16	
145.00	LST	MBL	0.00	

HOLE: Rau-10-102

Box #	Diameter (cm)	From (m)	To (m)	Unit	Modifier	Recovery	Weight	Density	Comments
9	6.1	47.71	52.73	OX		3.30	62.3	2.96	
10	6.1	52.73	58.00	OX		3.86	65.8	2.67	
11	6.1	58.00	62.15	OX		3.56	57.3	2.52	
12	6.1	62.15	66.11	OX		3.87	62.3	2.52	
13	6.1	66.11	70.40	OX		4.00	62.3	2.44	
17	6.1	81.00	84.73	OX		3.15	51.5	2.56	
18	6.1	84.73	89.31	OX		3.60	59.5	2.59	
19	6.1	89.31	94.90	OX		3.22	50.0	2.44	
20	6.1	94.90	99.56	OX		3.10	50.5	2.56	
21	6.1	99.56	104.08	OX		3.48	55.5	2.50	
22	6.1	104.08	110.64	OX		3.51	51.0	2.28	
23	6.1	110.64	117.32	OX		3.65	52.5	2.26	1/2 RUN LST
24	6.1	117.32	122.14	OX		3.80	52.5	2.17	1/2 RUN LST
25	6.1	122.14	126.46	OX		3.64	60.5	2.61	
26	6.1	126.46	130.10	OX		3.82	61.5	2.53	
27	6.1	130.10	133.89	OX		3.61	65.5	2.85	
28	6.1	133.89	137.95	OX		3.69	61.5	2.61	
29	6.1	137.95	143.46	OX		2.95	51.5	2.74	

BOX LOG

HOLE: Rau-10-102

BOX	FROM (m)	TO (m)
1	5.18	10.64
2	10.64	14.79
3	14.79	19.66
4	19.66	24.19
5	24.19	30.05
6	30.05	34.58
7	34.58	41.48
8	41.48	47.71
9	47.71	52.73
10	52.73	58.00
11	58.00	62.15
12	62.15	66.11
13	66.11	70.40
14	70.40	74.20
15	74.20	77.70
16	77.70	81.00
17	81.00	84.73
18	84.73	89.31
19	89.31	94.90
20	94.90	99.56
21	99.56	104.08
22	104.08	110.64
23	110.64	117.32
24	117.32	122.14
25	122.14	126.46
26	126.46	130.10
27	130.10	133.89
28	133.89	137.95
29	137.95	143.46
30	143.46	145.69
145.69 m - E.O.H.		

RAU PROPERTY

	Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
ZONE: Tiger	10+040NW	10+145NE	528572	7119172	1292	216.40

SECTION: 10+040NW

HOLE: **Rau-10-103**

CLAIM: Rau 54

Contractor: Superior

Drill: 1

Core size: BTW

Casing depth: 9.14 m out

Drilling dates: July 24- 26, 2010

Geology logged by: K. Unger

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-63.0	compass	109.73	231	-61.3	Ranger
18.29	228	-61.4	Ranger	155.45	231	-60.9	Ranger
48.77	229	-61.4	Ranger	201.17	238	-61.0	Ranger
79.25	231	-61.3	Ranger	216.41	238	-60.8	Ranger

TARGET: Tiger Zone mineralization

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	3.92	3.92	OVB	
3.92	93.48	89.56	LST	Dolomitized
93.48	94.45	0.97	LST	Marbleized
94.45	132.06	37.61	VOL	
132.06	191.30	59.24	DOL	"Tiger Zone" mineralization
191.30	211.10	19.80	LEP	
211.10	216.41	5.31	LST	Dolomitized
216.41	E.O.H.			

SAMPLES

Numbers: I076537 to I076578, I076587 to I076596

Total: 52

Batch: 57, 58, 59

Date Sent: July 28, 29, 30 2010

Certificate: VA10104816, VA10104815, VA10104915

COMMENTS

The hole was ended because it was past the targeted mineralized horizon.

GEOLOGY LOG

HOLE: Rau-10-103

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	3.92	3.92				OVB			Overburden - no recovery																		
3.92	93.48	89.56				LST	DOL	BX	Light to dark grey, FG to CG, variably BX, weakly SID altered, intensely DOL altered LST. Generally units sBX with some intervals of tBX or mottled "camo" BX. Medium to dark grey sBX "clasts" are supported by a white to light grey, sparry CG matrix with trace, soft, bituminous, MG material infilling sparry matrix voids. Core is broken and rubbly to 8.90 cm. Trace crinoid fossils are present.					i			w											x
			10.36	20.92	10.56	LST	DOL	BX	Light to dark grey, FG to CG, intensely DOL altered sBX LST with fair SID alteration throughout. SID alteration can appear medium-strong, locally altering coarse, sparry sBX matrix to rusty red to orange colour. SID appears to propagate through sBX matrix (as veinlets?). SID alteration is the only material in sub-interval that reacts to acid.					i			f											x
									A weak FO is defined by orientation of BX clasts, 60 degrees TCA.	FO	60																
			26.51	30.97	4.46	LST	DOL	BX	Medium to dark grey, MG to CG, intensely DOL altered, tBX LST. Coarse, dark, angular to subrounded clasts are supported by a medium to light grey, MG to FG matrix. Sub-unit is weakly calcareous with trace, narrow <1 mm stringers and calcite rims around clasts that fizz with HCl. Trace Py is present as FG disseminations to blebs in the matrix.					i							t							x
									A lack of pervasive fabric or common orientation precludes a foliation.	FO	n/a																
									Translucent grey to white, CG Qz-DOL VT, oriented 50 degrees TCA, 1.8 cm wide.	VT	50																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			38.06	45.49	7.43	LST	DOL	BX	Medium to dark grey, clastic, variably BX, intensely DOL altered LST. Sub-interval is generally tBX in texture with mBX and sBX textures intermittently throughout. Dark, CG clasts are supported by a MG matrix with narrow intervals of coarse, white sparry sBX and angular, fragmented mBX throughout. Trace crinoid (and a cryptic stromatoporoid?) fossils are present. Crinoid fragments are present in CG-MG LST at 44.55 m. sBX clasts of uniform, DOL altered, CG LST are present (tempestite?) Soft, dark bituminous material is found with sparry sBX matrix. Sub-interval is texturally interesting, enigmatic textures and relationships are present.					i						t							
									A lack of pervasive fabric or common orientation	FO	n/a																
									White to rusty orange, CG Ca VT overprinted by a rusty, MG to CG DOL-Py VT. Cubic, <5 mm Py crystals appear rusted on crystal faces, exhibiting yellow metallic lustre only on fresh cut surfaces. VT is oriented 50 degrees TCA at 44.69 m. Ca VT is 3.6 cm wide, DOL-Py VT passing through Ca VT is 2.0 cm wide.	VT	50															
			45.49	46.39	0.90	LST	DOL		Medium grey, MG, weakly sBX, bedded, intensely DOL altered LST. Bedding textures of rythmic medium and light grey beds <1 mm thick (tidal flats?) are exhibited in large clasts divided by a white, sparry matrix. Clasts are up to 21 cm of core length with up to 2 cm of sparry matrix dividing them, some clasts exhibit rotation; original clast orientation can be reconstructed and pieced together. A narrow SID stringer veinlets crosscuts some of the core 0 degrees TCA.																	x
									FO is defined by bedding and varies with clast "rotation" from 45 to 70 degrees TCA, generally steeper.	FO	60															
			46.39	53.09	6.70	LST	DOL	MO	Dark to medium grey with variable rusty orange stains, intensely DOL altered, stongly SID altered, mottled, "camo" BX LST with intermittent sBX textures throughout. SID alteration and staining is pervasive along the selvages of SID veinlets throughout sub-interval. Where sBX, clasts exhibit a mottled texture. Trace, delicate crinoid and favocitid fossil textures are present.					i			s	LIM	t									

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									FO is weak, at times absent. Where present, FO is defined by BX textures and orientation, 45 to 70 degrees TCA, but generally 50 degrees throughout. FO increases with depth.	FO	50																
									Rusty brown, MG, SID veinlets oriented 40 to 50 degrees TCA. Veinlet selvages stain host rock a rusty shade of grey. Weak MG to CG white, Ca crystals are present with SID veinlets. Vuggy textures are exhibited with translucent, soft, <2 mm crystals present on cavity walls. Veinlets at times appear to locally fracture/shatter host LST.	VT	40															
									Rusty brown, CG, vuggy SID VN from 52.43 to 53.28 m. Poor recovery of this zone should be noted. uCN is oriented 60 degrees TCA, lCN 45 degrees TCA. Vugs exhibit brown 1 to 2 mm SID crystals on cavity walls. Trace LIM staining is present on fracture faces.	VT	50															
			53.09	78.86	25.77	LST	DOL	BX	Dark to light grey, FG to CG, intensely DOL altered variably BX, intensely DOL altered LST. A mottled, "camo" BX texture is overprinted by sBX textures. sBX exhibits typical white, sparry CG matrix throughout. Textures become convolute with depth, almost clastic in appearance (brittle-plastic deformation?)					i													
									A weak FO is defined by BX orientation, 60 to 70 degrees TCA.	FO	65																
									Narrow, Ca filled fractures oriented 0 to 20 degrees TCA, 1 to 2 mm wide run through core.	VT	10																
			78.86	85.46	6.60	LST	DOL	BN	Medium to dark grey, CG to FG, interbedded, intensely DOL altered LST. Coarse grained bands of crinoid fragment packstone (?) are interlayered with dark, FG silts and muds. Trace brachiopod fossils are present in fossiliferous bands. Weak Py is present as FG disseminations in dark, FG beds and as a yellow, metallic "shotgun" mass at 80.60 m. Dark FG bands decrease in width and occurance, appearing more undulose and irregular as depth increases, and becomes crinoid packstone with wide beds of MG, weakly mottled LST. Aproximately 50% of sub-interval is made of fossils.					i							w							x
									FO is defined by interbedded bands, oriented 50 to 70 degrees TCA. FO angle decreases with depth.	FO	55															

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	Photo
									White, narrow, vuggy Ca, 2 mm wide veinlets with occasional CG Py MX oriented parallel to FO become more common with depth.	VT	55	0															
			85.46	93.48		DOL	VOL	BN	Light to medium grey, CG to FG, white-light grey crystalline DOL and moderately DOL altered LST with interbeds of FG, clay altered to dark VOL. Lenticular, SER altered VOL blebs are present up hole, becoming dark, FG bands interlayered with crystaline DOL (sills?). Banded texture becomes more convolute with depth. Trace Po is present as blebs in dark, FG VOL bands. lCN is gradational, becoming more calcareous over 15 cm. Trace Py is present as FG whisps.	CN				i							t		t					x
									FO is defined by banding textures oriented generally 70 degrees TCA, but can be as high as 80 degrees.	FO	70																
93.48	94.45	0.97				LST	MBL	BN	Dark to light grey, MG to sucrosic, calcareous, strongly MBL altered LST with grey-brown bands of VOL. Interval is moderately FOS, aproximately 7% of interval is crinoid fossils. Fossil content decreases with depth. MBL alteration increases with depth, becoming light grey, sucrosic MBL. lCN is sharp, defined by an irregular Py band. Trace Po is present as amorphous blebs <1 mm in size disseminated throughout.	lCN								MBL	s	t		t						
									Uphole, FO is 50 degrees, but at 94.03 m, FO changes 180 degrees in orientation and becomes 60 degrees TCA where most strongly MBL altered.	FO	50																
94.45	132.06	37.61				VOL	SER	BN	Grey-green to olive-yellow, FG to CG, variably magnetic, intensely SER and clay altered, laminated/banded VOL with variable sulphide mineralization. Generally, rock is FG with whispy clay altered "matrix" supporting grains of coarse minerals or clasts (pumice?). Sulphides present are Py, Po, As, Bi and Cp. Py is present as FG disseminations to vCG to large cubes in veinlets. Po is present as MG to CG, subhedral crystals in narrow VT's to disseminations in VOL. Other sulphides are trace and are noted where located. Fu is present as bright green smears <2 mm in size in SER altered VOL.								SER	i	ms	t	w	Fu	t	Bi	t		
																		BIO	ms				Cp	t			

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	Photo
			101.58	105.34	3.76	VOL	DOL	BX	Brown-grey to olive yellow, strongly BIO and moderately SER altered VOL with irregular, DOL, BX-like "veining" throughout. Brown-grey to red-grey (potassic alteration?) VOL exhibits irregular banding and convolute margins with grey DOL. Moderate Py MX is present as blebs dispersed intermittently to forming small masses.					s				BIO	s	m								x
																		SER	ms								
									FO is defined by banded VOL layers where present oriented 70 degrees TCA.	FO	70																	
			104.28	104.33	0.05				Metallic yellow, CG Py VT, oriented 30 degrees TCA, 5 mm to 3.0 cm wide, becoming vCG, euhedral cubes of Py when passing from VOL to white-grey DOL at 104.28 m. VT exhibits calcareous halos around large, cubic crystals.	VT	30																	x
			107.00	107.02	0.02				CG, translucent Qz and white Ca with MG subhedral Py and Po VT oriented 40 degrees TCA and 0 degrees to FO, 2.2 cm wide at 107.00 m.	VT	40	0								t		t						
									White, CG Qz veinlets wih subhedral, dull yellow Py oriented 0 degrees to FO and 30 to 60 degrees TCA from 108.20 to 108.45 m. VT selvages are calcareous, soft and exhibit TLC alteration.	VT	45	0						TLC	w	t								
			109.26	111.69	2.43	VOL	SER		Green-yellow, FG to MG, intensely DOL and moderately BIO altered VOL with disseminated sulphide MX. Cubes of MG, dull Py sometimes exhibiting exsolution textures and silver coloured, MG As crystals occur throughout along with subhedral, <1 mm blebs of Po. Concentration of sulphide minerals is variable, where stronger, sulphide mineralization is more FG.									SER	i	w	w	w						
																		BIO	m								
									Foliaiton is defined by weak banding and grain orientation, 45 to 55 degrees TCA.	FO	50																	
			109.96						Metallic yellow and white, CG Py and Qz VN with coarse, crystalline bismuthanite grains 6 mm in size which can be scratched with a thumbnail. VN is oriented 60 degrees TCA and 0 degrees to FO and is found at 109.96 m.	VN	60	0																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	Photo
			114.39	116.22	1.83	VOL	BIO		Brown to green, FG to CG, strongly BIO altered, weakly banded VOL with calcite filled amygdules.The amygdules are up to 2.1 cm in length, all commonly oriented in line with the foliation. Trace disseminated Po is associated with amygdules. Small, dull cubes of Py <1 mm in size are disseminated throughtout.								BIO	s	t		t					
									FO is defined by AM orientation and weak banding textures, oriented 55 degrees TCA.	FO	55																	
			123.68	126.21	2.53	VOL	SER		Green-grey, strongly SER altered, moderately-strong SIL altered VOL with coarse, angular to subrounded Qz "eye" clasts. Py is present as <3 mm cubes to FG disseminations which sometimes form whispy bands. Pinch-swell textures are exhibited around Qz clasts. SIL alteration is pervasive, much of rock is harder than typical, clay altered VOL.								SER	s	m			Fu	t			
																		SIL	ms								
									FO is defined by grain orientation and banding, 50 to 60 degrees TCA.	FO	55																	
									Slickenslide lineaments are present on a fracture surface at 122.86 m. The surface that slickenslides are present on is oriented 30 degrees TCA and 270 degrees to FO (FO is 60 degrees TCA locally). On the fracture surface, SS lineaments are oriented 55 degrees TCA. SS are 1 to 2 mm wide and exhibit soft, TLC and CHL alteration on surfaces.	SS	30	270																	
			126.21	132.06	5.85	VOL	SER		Green-grey to grey-brown, FG to CG, strongly SER and BIO altered, moderately SIL altered VOL, weakly BN in appearance, with moderate Py MX. Banding textures are convolute to undulose, exhibiting pinch-swell textures around coarse Py cubes. A short 12 cm interval of SIL alteration is present at 128.00 m. Crystalline DOL layers are intermittent throughout, becoming more frequent with depth. Py blebs <1.1 cm in size exhibit calcareous rims. Fabric gradationally becomes more irregular and dolomitic approaching lCN as VOL becomes more intermittent, appearing as whispy, brown, clay altered bands.	CN								SER	s	m								x
																		BIO	s								
																		SIL	m								
									FO is defined by banding and orientation of grains, 55 degrees throughout.	FO	55																	

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
132.06	191.30	59.24				DOL	MX	BN	White to medium grey, CG crystaline DOL with Py and As "Tiger Zone" MX. Weak TLC alteration of DOL is intermittent throughout. Uphole is typically less banded, and also hosts dark, DOL altered LST "sBX clasts". MX uphole is more coarse than rest of unit and does not exhibit banding. Weak vuggy textures are intermittent throughout. uCN is gradational, narrow VOL bands decrease with depth in width and occurance. Arsenopyrite MX is present as CG to MG euhedral crystals up hole often forming small masses, but the general lack of As throughout is conspicuous. Py is present throughtout, typically as commonly oriented bands of various widths.	CN				i				TLC	w	ms	t	t					
			134.53	141.87	7.34	DOL	MX	BX	White to dark grey, FG to CG crystaline DOL with CG Py and As MX with irregular intervals/clasts of FG to CG, DOL altered LST which at times exhibit sBX textures. Overall, sub-interval exhibits partial recystalization of hydrothermal DOL over sBX (karst topography?) textures. Py is present as dull, FG to MG whisps to masses in LST to vCG cubes in crystaline DOL. Coarse, euhedral grains of As <2.1 cm in size form small masses.											s	w						x
									A lack of pervasive fabric or common orientation precludes a foliation.	FO	n/a																	
			141.87	181.27	39.40	DOL	MX	BN	White to medium grey, variably sparry, crystalline DOL with banded Py MX. Trace As is present up hole as corase, euhedral crystals forming small masses, as seen at 143.72 m. As content decreases with depth. Po is present as trace blebs <2.0 cm in size. Weak TLC alteration is seen throughout, and is locally concentrated proximal to Qz MX. Trace Bi is also associated with Qz as coarse crystals with Py near Qz-TLC mineralization/alteration (Qz veining?).										TLC	w	s	t	t	Bi	t			x
									FO is defined by Py banding, oriented 55 to 65 degrees TCA.	FO	60																	

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			181.27	182.57	1.30	DOL	TLC	CG	White to medium grey, CG crystaline DOL with intense, soft, creamy green TLC alteration throughout. Moderate Py MX is present as dull, yellow FG to MG whisps to mases with trace Bi crystals when near Qz. Local translucent Qz patches occur intermittantly throughout. Pearly, talc plates are present on fracture surfaces. CN's are gradational over 3 to 5 cm.	CN				s				TLC	i	m			Bi	t			
																		SIL	m								
									A weak FO is defined by mottled DOL and TLC orientations and weak bands of Py, oriented at 60 degrees TCA.	FO	60																
			182.57	191.30	8.73	DOL	CG	BX	White to medium grey, CG to MG crystalline DOL, lacking typical "Tiger Zone" MX textures. An irregular fabric of coarse, crystaline DOL becomes sub-cBX in texture where rock is more FG. Where FG, Py is present as dull grey-yellow bands to small masses. Py is also present in MG to CG DOL. lCN is sharp, defined by a clay altered band oriented 50 degrees TCA.	CN				i				SIL	m	f							
									FO is defined by a weak orientation shared by some Py bands, oriented 50 to 60 degrees TCA.	FO	55																
191.30	211.10	19.80				LEP		MO	Brown to grey, FG to CG, mottled, weakly banded LEP. Dark clasts/bands are variably supported by a white, calcareous "matrix" with intermittent, olive-yellow bands of soft SER/clay alteration. At times, SER alteration appears as ameboid blebs. Py is present as coarse, amorphous blebs forming small masses with calcareous rims to FG disseminations throughout. SER alteration bands are 1 mm to 3.1 cm wide. SER band frequency decreases with depth appearing again only close to lCN. Interval exhibits a more mottled appearance when lacking SER bands. lCN textures are convolute with undulose to sinuous SER bands appearing 51 cm above lCN. Unit becomes non-calcareous 25 cm above lCN which is defined by a band of Py oriented 50 degrees TCA.	CN								SER	m	f							x
									Fo is defined by banding and mottled clast orientation, 50 degrees TCA.	FO	50																
			197.40	197.42	0.02				White, 2.2 cm wide, CG, Ca-Qz-Py vein oriented 30 degrees TCA, 270 degrees to FO with MG, subhedral Py. Veinlet exhibits wide selvages strongly SER altered up to 44 cm from veinlet margins uphole.	VN	30																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
211.10	216.41	5.31				LST	DOL	BX	Light to dark grey, FG to CG, intensely DOL and strongly SIL altered LST. Generally unit is light grey with fine, with cBX textures creating angular clasts 0.3 cm to >4 cm in width. At times, textures are mBX where brecciation is most intense. Below uCN, rock is near crystalline DOL in appearance; white, subangular DOL crystals are surrounded by dark, FG matrix minerals and coarse Qz and creamy Ca. Py is present below uCN with "crystalline" DOL as white-yellow amorphous blebs to <2 mm crystals and as FG disseminations associated with the dark, FG BX matrix throughout. Trace red Sp is present as <1 mm to 1.5 mm vitreous crystals with rare, metallic <1 mm cubes of Gn on fracture faces around 214.60 m.					i				SIL	s	t			Sp	t			x
									216.41 m - E.O.H. The hole was ended because it was past the targeted mineralized horizon.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-103

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
85.34	88.39	3.05	LST	DOL	3.02	99	I076537	57	0.86	0.16	81	229.00	
88.39	91.44	3.05	LST	DOL	2.99	98	I076538	57	1.20	0.18	123	164.50	
91.44	94.45	3.01	LST	DOL	3.00	100	I076540	57	1.10	0.26	52	151.50	
94.45	96.32	1.87	VOL	SER	1.70	91	I076541	57	0.10	0.15	322	19.55	
96.32	99.06	2.74	VOL	SER	2.74	100	I076542	57	0.04	0.20	382	29.80	
99.06	102.11	3.05	VOL	SER	2.71	89	I076544	57	0.04	0.17	475	24.10	
102.11	105.16	3.05	VOL	DOL	2.55	84	I076545	57	0.03	0.12	253	38.50	
105.16	108.20	3.04	VOL	SER	2.94	97	I076546	57	0.01	0.09	90	16.25	
108.20	111.25	3.05	VOL	SER	2.91	95	I076547	57	0.02	0.28	1700	1020.00	
111.25	114.30	3.05	VOL	SER	3.00	98	I076548	57	0.03	0.09	259	9.17	
114.30	117.35	3.05	VOL	BIO	3.03	99	I076549	57	0.01	0.20	17	1.62	
117.35	120.40	3.05	VOL	SER	2.75	90	I076550	57	0.01	0.13	34	2.18	
120.40	122.99	2.59	VOL	SER	2.59	100	I076551	57	0.07	0.37	104	8.12	
122.99	124.97	1.98	VOL	SER	1.93	97	I076552	57	0.07	0.08	42	6.83	
124.97	126.49	1.52	VOL	SER	1.43	94	I076553	58	2.31	0.06	97	381.00	
126.49	129.54	3.05	VOL	SER	3.05	100	I076554	58	0.09	0.09	52	55.90	
129.54	132.06	2.52	VOL	SER	2.52	100	I076555	58	0.06	0.30	204	22.20	
132.06	134.53	2.47	DOL	MX	2.38	96	I076556	58	0.15	0.11	2940	657.00	
134.53	137.19	2.66	DOL	MX	2.62	98	I076558	58	0.13	0.12	487	49.10	
137.19	140.00	2.81	DOL	MX	2.81	100	I076559	58	0.25	0.08	13300	43.00	
140.00	143.00	3.00	DOL	MX	3.00	100	I076560	58	0.47	0.05	8940	25.10	
143.00	146.00	3.00	DOL	MX	2.92	97	I076561	58	0.17	0.11	771	150.50	
146.00	149.00	3.00	DOL	MX	3.00	100	I076562	58	0.35	0.16	1910	163.00	
149.02	152.00	2.98	DOL	MX	2.97	100	I076564	58	0.63	0.09	1260	281.00	
152.00	155.00	3.00	DOL	MX	2.92	97	I076565	58	5.40	0.13	1380	198.00	
155.00	158.00	3.00	DOL	MX	3.00	100	I076567	58	1.32	0.08	1320	302.00	
158.00	161.00	3.00	DOL	MX	3.00	100	I076568	58	1.40	0.06	1140	319.00	
161.00	164.00	3.00	DOL	MX	2.96	99	I076569	58	3.76	0.16	953	234.00	
164.00	167.00	3.00	DOL	MX	3.00	100	I076570	58	0.09	0.08	578	133.00	
167.00	170.00	3.00	DOL	MX	3.00	100	I076571	58	0.13	0.10	505	162.00	
170.00	173.00	3.00	DOL	MX	3.00	100	I076572	58	0.17	0.10	1020	313.00	
173.00	176.05	3.05	DOL	MX	3.05	100	I076573	58	0.55	0.10	937	81.30	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
176.05	179.10	3.05	DOL	MX	3.05	100	I076574	58	0.12	0.10	1100	45.30	
179.10	182.15	3.05	DOL	MX	2.96	97	I076575	58	0.05	0.10	446	82.80	
182.15	185.20	3.05	DOL	CG	3.05	100	I076576	58	0.08	0.12	338	171.50	
185.20	188.25	3.05	DOL	CG	3.05	100	I076577	58	0.04	0.09	258	35.40	
188.25	191.30	3.05	DOL	CG	2.95	97	I076578	58	0.17	0.14	713	54.30	
191.30	194.00	2.70	LEP		2.70	100	I076587	58	0.01	0.03	45	1.07	Break in sequence
194.00	197.00	3.00	LEP		2.90	97	I076588	58	<0.01	<0.01	50	0.83	
197.00	199.00	2.00	LEP		1.90	95	I076589	59	<0.01	0.20	42	0.19	
199.00	202.00	3.00	LEP		2.93	98	I076590	59	<0.01	0.08	21	0.16	
202.00	205.00	3.00	LEP		2.93	98	I076591	59	<0.01	0.07	26	0.14	
205.00	208.05	3.05	LEP		2.82	92	I076592	59	<0.01	0.10	28	0.17	
208.05	211.10	3.05	LEP		2.28	75	I076593	59	0.03	0.29	68	4.83	
211.10	214.00	2.90	LST	DOL	2.73	94	I076595	59	0.03	2.68	188	22.70	
214.00	216.41	2.41	LST	DOL	2.40	100	I076596	59	<0.01	1.22	20	0.24	
-	-	-	-	-	-	-	I076539	57	0.02	0.01	9	1.40	Blank (BTW)
-	-	-	-	-	-	-	I076543	57	3.79	0.22	62400	231.00	Standard (RSS-7)
-	-	-	-	-	-	-	I076557	58	<0.01	0.01	7	5.53	Blank (BTW)
-	-	-	-	-	-	-	I076563	58	0.47	1.77	6240	69.90	Standard (RSS-5)
152.00	155.00	3.00	DOL	MX	2.90	97	I076566	58	5.10	0.09	1280	217.00	Duplicate
-	-	-	-	-	-	-	I076594	59	0.44	1.68	6040	78.30	Standard (RSS-5)

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-103

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00			N/A	
2.00			N/A	
3.00			N/A	
4.00	LST	DOL	0.00	
5.00	LST	DOL	0.08	
6.00	LST	DOL	0.32	
7.00	LST	DOL	0.00	
8.00	LST	DOL	0.00	
9.00	LST	DOL	0.00	
10.00	LST	DOL	0.08	
11.00	LST	DOL	0.00	
12.00	LST	DOL	0.28	
13.00	LST	DOL	0.00	
14.00	LST	DOL	0.00	
15.00	LST	DOL	0.26	
16.00	LST	DOL	0.00	
17.00	LST	DOL	0.00	
18.00	LST	DOL	0.07	
19.00	LST	DOL	0.34	
20.00	LST	DOL	0.00	
21.00	LST	DOL	0.00	
22.00	LST	DOL	0.04	
23.00	LST	DOL	0.10	
24.00	LST	DOL	0.00	
25.00	LST	DOL	0.00	
26.00	LST	DOL	0.06	
27.00	LST	DOL	0.00	
28.00	LST	DOL	0.02	
29.00	LST	DOL	0.00	
30.00	LST	DOL	0.00	
31.00	LST	DOL	0.12	
32.00	LST	DOL	0.08	
33.00	LST	DOL	0.00	
34.00	LST	DOL	0.00	
35.00	LST	DOL	0.00	
36.00	LST	DOL	0.00	
37.00	LST	DOL	0.00	
38.00	LST	DOL	0.00	
39.00	LST	DOL	0.06	
40.00	LST	DOL	0.00	
41.00	LST	DOL	0.00	
42.00	LST	DOL	0.22	
43.00	LST	DOL	0.08	
44.00	LST	DOL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	LST	DOL	0.00	
46.00	LST	DOL	0.00	
47.00	LST	DOL	0.00	
48.00	LST	DOL	0.24	
49.00	LST	DOL	0.00	
50.00	LST	DOL	0.12	
51.00	LST	DOL	0.00	
52.00	LST	DOL	0.04	
53.00	LST	DOL	0.02	
54.00	LST	DOL	0.02	
55.00	LST	DOL	0.10	
56.00	LST	DOL	0.02	
57.00	LST	DOL	0.00	
58.00	LST	DOL	0.00	
59.00	LST	DOL	0.00	
60.00	LST	DOL	0.00	
61.00	LST	DOL	0.04	
62.00	LST	DOL	0.00	
63.00	LST	DOL	0.00	
64.00	LST	DOL	0.00	
65.00	LST	DOL	0.14	
66.00	LST	DOL	0.00	
67.00	LST	DOL	0.34	
68.00	LST	DOL	0.00	
69.00	LST	DOL	0.26	
70.00	LST	DOL	0.00	
71.00	LST	DOL	0.10	
72.00	LST	DOL	0.36	
73.00	LST	DOL	0.14	
74.00	LST	DOL	0.55	
75.00	LST	DOL	0.00	
76.00	LST	DOL	0.06	
77.00	LST	DOL	0.06	
78.00	LST	DOL	0.22	
79.00	LST	DOL	0.57	
80.00	LST	DOL	4.85	
81.00	LST	DOL	5.14	
82.00	LST	DOL	2.60	
83.00	LST	DOL	2.60	
84.00	LST	DOL	1.14	
85.00	LST	DOL	2.07	
86.00	LST	DOL	3.03	
87.00	LST	DOL	6.43	
88.00	LST	DOL	2.35	
89.00	LST	DOL	2.70	
90.00	LST	DOL	3.54	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	LST	DOL	3.85	
92.00	LST	DOL	9.02	
93.00	LST	DOL	5.65	
94.00	LST	MBL	0.49	
95.00	VOL	SER	0.18	
96.00	VOL	SER	0.04	
97.00	VOL	SER	0.00	
98.00	VOL	SER	0.30	
99.00	VOL	SER	1.12	
100.00	VOL	SER	0.00	
101.00	VOL	SER	0.45	
102.00	VOL	SER	0.24	
103.00	VOL	SER	0.06	
104.00	VOL	SER	1.25	
105.00	VOL	SER	0.22	
106.00	VOL	SER	1.35	
107.00	VOL	SER	3.23	
108.00	VOL	SER	0.45	
109.00	VOL	SER	1.70	
110.00	VOL	SER	0.45	
111.00	VOL	SER	0.68	
112.00	VOL	SER	7.72	
113.00	VOL	SER	0.77	
114.00	VOL	SER	2.19	
115.00	VOL	SER	3.62	
116.00	VOL	SER	1.23	
117.00	VOL	SER	7.70	
118.00	VOL	SER	4.89	
119.00	VOL	SER	2.82	
120.00	VOL	SER	2.56	
121.00	VOL	SER	0.67	
122.00	VOL	SER	0.79	
123.00	VOL	SER	0.43	
124.00	VOL	SER	0.24	
125.00	VOL	SER	1.25	
126.00	VOL	SER	1.12	
127.00	VOL	SER	0.06	
128.00	VOL	SER	0.10	
129.00	VOL	SER	0.82	
130.00	VOL	SER	0.71	
131.00	VOL	SER	1.00	
132.00	VOL	SER	4.10	
133.00	DOL	MX	0.55	
134.00	DOL	MX	1.14	
135.00	DOL	MX	2.37	
136.00	DOL	MX	2.19	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	DOL	MX	3.50	
138.00	DOL	MX	2.25	
139.00	DOL	MX	1.53	
140.00	DOL	MX	8.05	
141.00	DOL	MX	0.73	
142.00	DOL	MX	3.11	
143.00	DOL	MX	2.07	
144.00	DOL	MX	3.25	
145.00	DOL	MX	2.78	
146.00	DOL	MX	3.13	
147.00	DOL	MX	3.09	
148.00	DOL	MX	4.75	
149.00	DOL	MX	1.37	
150.00	DOL	MX	1.16	
151.00	DOL	MX	0.88	
152.00	DOL	MX	1.25	
153.00	DOL	MX	0.73	
154.00	DOL	MX	0.00	
155.00	DOL	MX	0.12	
156.00	DOL	MX	0.00	
157.00	DOL	MX	0.00	
158.00	DOL	MX	2.87	
159.00	DOL	MX	0.38	
160.00	DOL	MX	0.82	
161.00	DOL	MX	2.56	
162.00	DOL	MX	0.90	
163.00	DOL	MX	2.60	
164.00	DOL	MX	2.62	
165.00	DOL	MX	1.33	
166.00	DOL	MX	3.30	
167.00	DOL	MX	6.51	
168.00	DOL	MX	1.51	
169.00	DOL	MX	6.82	
170.00	DOL	MX	3.07	
171.00	DOL	MX	0.14	
172.00	DOL	MX	0.26	
173.00	DOL	MX	0.22	
174.00	DOL	MX	2.19	
175.00	DOL	MX	0.92	
176.00	DOL	MX	0.45	
177.00	DOL	MX	0.30	
178.00	DOL	MX	1.14	
179.00	DOL	MX	3.66	
180.00	DOL	MX	3.77	
181.00	DOL	MX	3.56	
182.00	DOL	MX	4.01	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00	DOL	MX	1.76	
184.00	DOL	MX	2.50	
185.00	DOL	MX	0.59	
186.00	DOL	MX	0.00	
187.00	DOL	MX	4.67	
188.00	DOL	MX	1.98	
189.00	DOL	MX	0.00	
190.00	DOL	MX	0.38	
191.00	DOL	MX	0.00	
192.00	LEP		1.04	
193.00	LEP		3.79	
194.00	LEP		0.38	
195.00	LEP		0.20	
196.00	LEP		0.28	
197.00	LEP		0.20	
198.00	LEP		0.65	
199.00	LEP		0.43	
200.00	LEP		0.77	
201.00	LEP		0.00	
202.00	LEP		0.22	
203.00	LEP		0.36	
204.00	LEP		0.20	
205.00	LEP		0.22	
206.00	LEP		0.28	
207.00	LEP		0.24	
208.00	LEP		0.36	
209.00	LEP		0.16	
210.00	LEP		0.28	
211.00	LEP		0.10	
212.00	LST	DOL	0.00	
213.00	LST	DOL	0.02	
214.00	LST	DOL	0.00	
215.00	LST	DOL	0.00	
216.00	LST	DOL	0.04	

GEOTECHNICAL LOG

HOLE: Rau-10-103

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
3.92	4.27	0.35	0.35	100	0.00	0	ms	sw		
4.27	5.18	0.91	0.38	42	0.00	0	ms	sw		
5.18	5.49	0.31	0.16	52	0.00	0	ms	sw		
5.49	6.10	0.61	0.39	64	0.00	0	ms	sw		
6.10	7.32	1.22	0.74	61	0.00	0	ms	sw		
7.32	7.62	0.30	0.30	100	0.00	0	ms	sw		
7.62	8.53	0.91	0.45	49	0.00	0	ms	sw		
8.53	10.36	1.83	1.27	69	0.69	38	ms	sw		
10.36	12.65	2.29	2.29	100	1.67	73	ms	fr		
12.65	15.54	2.89	2.67	92	2.41	83	ms	fr		
15.54	18.29	2.75	2.33	85	1.93	70	ms	fr		
18.29	21.18	2.89	2.89	100	2.29	79	ms	fr		
21.18	22.86	1.68	1.68	100	1.45	86	ms	fr		
22.86	25.91	3.05	3.05	100	3.04	100	ms	fr		
25.91	28.96	3.05	3.05	100	2.68	88	ms	fr		
28.96	31.55	2.59	2.59	100	1.77	68	ms	fr		
31.55	34.75	3.20	3.13	98	2.05	64	ms	fr		
34.75	36.58	1.83	1.80	98	1.48	81	ms	fr		
36.58	39.62	3.04	2.97	98	2.68	88	ms	fr		
39.62	42.67	3.05	3.05	100	1.09	36	ms	fr		
42.67	44.20	1.53	1.51	99	0.40	26	ms	fr		
44.20	47.24	3.04	2.72	89	1.53	50	ms	fr		
47.24	50.29	3.05	2.33	76	1.58	52	ms	fr		
50.29	52.43	2.14	1.90	89	1.70	79	ms	fr		
52.43	54.86	2.43	1.97	81	1.09	45	ms	fr		
54.86	57.91	3.05	3.04	100	2.02	66	ms	fr		
57.91	60.96	3.05	3.03	99	2.66	87	ms	fr		
60.96	64.01	3.05	3.03	99	2.17	71	ms	fr		
64.01	67.06	3.05	2.99	98	1.73	57	ms	fr		
67.06	70.10	3.04	2.95	97	2.01	66	ms	fr		
70.10	73.15	3.05	3.05	100	1.40	46	ms	fr		
73.15	76.20	3.05	2.98	98	2.11	69	ms	fr		
76.20	79.25	3.05	3.01	99	2.58	85	ms	fr		
79.25	82.30	3.05	2.99	98	2.61	86	ms	fr		
82.30	85.34	3.04	3.04	100	2.58	85	ms	fr		
85.34	88.39	3.05	3.02	99	1.77	58	ms	fr		
88.39	91.44	3.05	2.99	98	2.28	75	ms	fr		
91.44	94.49	3.05	3.00	98	2.03	67	ms	fr		
94.49	96.32	1.83	1.70	93	0.75	41	ms	fr		
96.32	99.06	2.74	2.74	100	2.45	89	ms	fr		
99.06	102.11	3.05	2.71	89	2.07	68	ms	fr		
102.11	105.16	3.05	2.55	84	1.87	61	ms	fr		
105.16	108.20	3.04	2.94	97	2.05	67	ms	fr		
108.20	111.25	3.05	2.91	95	1.83	60	ms	fr		
111.25	114.30	3.05	3.00	98	2.60	85	ms	fr		
114.30	117.35	3.05	3.03	99	2.44	80	ms	fr		
117.35	120.40	3.05	2.75	90	2.27	74	ms	fr		
120.40	122.99	2.59	2.59	100	2.22	86	ms	fr		
122.99	124.97	1.98	1.93	97	1.55	78	ms	fr		
124.97	126.49	1.52	1.43	94	0.60	39	ms	fr		
126.49	129.54	3.05	3.05	100	2.05	67	ms	fr		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
129.54	132.59	3.05	3.05	100	2.77	91	ms	fr		
132.59	135.64	3.05	3.05	100	2.54	83	ms	fr		
135.64	138.68	3.04	3.04	100	2.59	85	ms	fr		
138.68	141.73	3.05	3.05	100	2.54	83	ms	fr		
141.73	144.78	3.05	3.00	98	2.60	85	ms	fr		
144.78	147.83	3.05	3.05	100	2.47	81	ms	fr		
147.83	150.88	3.05	3.01	99	2.74	90	ms	fr		
150.88	153.92	3.04	3.04	100	2.70	89	ms	fr		
153.92	156.97	3.05	3.05	100	2.23	73	ms	fr		
156.97	160.02	3.05	3.05	100	2.22	73	ms	fr		
160.02	163.07	3.05	3.05	100	2.73	90	ms	fr		
163.07	166.12	3.05	3.02	99	2.56	84	ms	fr		
166.12	169.16	3.04	3.04	100	2.80	92	ms	fr		
169.16	172.21	3.05	3.05	100	2.95	97	ms	fr		
172.21	175.26	3.05	3.05	100	2.64	87	ms	fr		
175.26	178.31	3.05	3.05	100	2.70	89	ms	fr		
178.31	181.36	3.05	2.99	98	2.74	90	ms	fr		
181.36	184.40	3.04	3.04	100	1.75	58	ms	fr		
184.40	187.45	3.05	3.03	99	2.56	84	ms	fr		
187.45	190.50	3.05	3.02	99	2.57	84	ms	fr		
190.50	193.55	3.05	3.05	100	1.75	57	ms	fr		
193.55	196.60	3.05	3.03	99	2.63	86	ms	fr		
196.60	199.64	3.04	3.04	100	2.08	68	ms	fr		
199.64	202.69	3.05	3.05	100	2.28	75	ms	fr		
202.69	205.74	3.05	3.05	100	2.77	91	ms	fr		
205.74	208.79	3.05	2.84	93	1.31	43	ms	fr		
208.79	210.46	1.67	0.99	59	0.22	13	ms	fr		
210.46	213.36	2.90	2.83	98	1.11	38	ms	fr		
213.36	216.41	3.05	3.05	100	1.70	56	ms	fr		
216.41	E.O.H.									

DENSITY LOG

HOLE: Rau-10-103

Depth (m)	Unit	Modifier	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
			Py %	As %	Other	%							
20.93	LST	DOL					sBX	14.7	4.2	560.9	360.8	2.81	2.80
26.85	LST	DOL					tBX	14.8	4.2	584.2	381.5	2.91	2.88
31.19	LST	DOL					sBX	14.6	4.2	560.8	364.1	2.83	2.85
74.67	LST	DOL					sBX	14.6	4.2	564.3	364.8	2.85	2.83
85.65	LST	VOL	t				FO	15.1	4.2	608.0	399.6	2.96	2.92
101.29	VOL		f					15.0	4.2	647.4	442.1	3.18	3.15
110.12	VOL		w	t				15.1	4.2	602.7	394.1	2.94	2.89
130.49	VOL	VN	m				FO	15.5	4.2	653.4	442.7	3.10	3.10
138.21	DOL	MX	f	f				14.8	4.2	697.4	493.2	3.47	3.42
148.70	DOL	MX	f					15.0	4.2	650.4	444.5	3.19	3.16
168.85	DOL	MX	m					14.9	4.2	664.7	457.2	3.28	3.20
176.20	DOL	MX	s					14.9	4.2	725.1	521.2	3.58	3.56
181.80	DOL	MX	m					14.9	4.2	616.4	414.2	3.05	3.05
189.00	DOL	MX	s					15.2	4.2	695.1	484.8	3.37	3.31
193.22	LEP		t					14.8	4.2	580.1	371.4	2.89	2.78

BOX LOG

HOLE: Rau-10-103

BOX	FROM (m)	TO (m)
1	3.92	10.52
2	10.52	16.16
3	16.16	21.60
4	21.60	26.75
5	26.75	32.12
6	32.12	37.65
7	37.65	43.12
8	43.12	48.66
9	48.66	55.37
10	55.37	60.96
11	60.96	66.51
12	66.51	71.75
13	71.75	77.29
14	77.29	82.77
15	82.77	88.27
16	88.27	93.78
17	93.78	99.06
18	99.06	105.16
19	105.16	110.07
20	110.07	115.46
21	115.46	121.11
22	121.11	126.49
23	126.49	132.17
24	132.17	137.81
25	137.81	143.42
26	143.42	149.02
27	149.02	154.60
28	154.60	160.02
29	160.02	165.70
30	165.70	171.33
31	171.33	176.80
32	176.80	182.50
33	182.50	188.06
34	188.06	193.55
35	193.55	198.99
36	198.99	204.23
37	204.23	210.46
38	210.46	215.94
39	215.94	216.41
216.41 m E.O.H.		

RAU PROPERTY

	Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
ZONE: Tiger	10+160NW	10+113NE	528474	7119233	1305	128.93

SECTION: 10+160NW

HOLE: **Rau-10-104**

CLAIM:

Contractor: Superior

Drill: 2

Core size: HQ

Casing depth: 3.05 m out

Drilling dates: July 29-31, 2010

Geology logged by: E. Thiessin

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-60.0	compass	128.93			

TARGET: Tiger zone oxide mineralization.

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	2.00	2.00	OVB	
2.00	39.52	37.52	LST	Dolomitized
39.52	49.89	10.37	VOL	Oxidized
49.89	82.62	32.73	LST	Dolomitized
82.62	87.87	5.25	DOL	Mineralized with banded Py and trace As
87.87	91.85	3.98	MX	Qz-Py Vein
91.85	108.43	16.58	LST-MX	Mineralized
108.43	115.40	6.97	LST	
115.40	119.42	4.02	MX	Qz-Py Vein
119.42	128.93	9.51	LEP	
128.93	E.O.H.			

SAMPLES

Numbers: I076669-I076704 I076735-I076772

Total: 41

Batch: 62, 63, 64

Date Sent: August 3, 4, 5, 2010

Certificate: VA10109944, VA10108987, VA10108986

COMMENTS

The hole was ended because it had passed the target depth. Similar to 'massive Py' in hole Rau-09-18. The hole was lined with PVC.

GEOLOGY LOG

HOLE: Rau-10-104

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	Photo
0.00	2.00	2.00				OVB			Overburden - no recovery																		
2.00	39.52	37.52				LST	DOL		Grey fine-grained bioturbated to solution collapsed LST to dolomitized LST. The unit is intermittent between solution brecciated dolo-mudstone and dol mudstone with minor portions of siderite rich oxidized LST as well as some DOL-Qz veining. The unit has a fair amount of broken core along the bioturbated foliations with variable amounts of gritty material and gouge in fractures. Fracture surfaces are often stained a rusty orange and have undulatin surfaces. Portions with solution breccia textures are filled with dogtooth spar-bitumen and quartz vug fills. Upper contact of the unit is especially rubbly and gritty.					f		t												x
									Bioturbated bedding planes.	BD	55																	
									Fibrous buff dolomite vein with trace pyrite.	VN	30		1							t								
			3.96	4.20	0.24	OX			Grey gritty to silty(fault gouge?) wish a core of rusty oxide colour.	FT																	
			24.17	25.30	1.13	OX			Brown fine-grained siderite rich competent yet spongy looking oxide with extensive calcite matrix.							i											
			26.27	26.80	0.53	OX			Deep red to brown silty gouge-siderite oxide. Sof exterior with a hard siderite interior.							i											
			31.60			OX			Oxidized fault gouge with broken core.	FT						ms											
39.53	49.89	10.36				VOL	OX		Pale yellow to rusty orange foliated and sericitized, oxidized volcanic. Core is fairly competent but will cleave under pressure along foliation. The lower contact interfingers with dolomitized limestone. Minor rubbly quartz occurs within VOL-OX.							i		SER	m									x
49.89	82.62	32.73				LST	DOL		Grey moderately bioturbated dolo-mudstone with abundant quartz and dolomite veining. This unit has a prominent foliation consisting of stylo-bedding and black lime-mud wisps and fine-grained disseminated digenetic pyrite. Lower contact begins to show solution brecciation and pyrite mineralization as medium-grained disseminations.					i					t	t							
									Stylo-bedding	FO	55																
									Qz-Ca-DOL all refolded and cryptic	VN																	

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			77.00	82.62	5.62	LST	DOL		Dolomitized limestone with increasing solution brecciation texture as well as coarse dolomite replacement and splashy medium-grained pyrite, very trace amounts of arsenopyrite.					i						w	t						
82.62	87.87	5.25				DOL	MX		Intensely dolomitized hydrothermal overprints of limestone protolith. This unit has abundant foliated pyrite and minor arsenopyrite. Dolomite is white-buff coarse-grained and destroys primary textures. Pyrite is medium-grained and occurs along a foliation and is associated with quartz. Minor disseminations of medium-grained arsenopyrite occurs.					i						s	t						
									Thinly banded Py defines the foliation in the DOL.	FO	60															
87.87	91.85	3.98				MX	Py		Massive medium-grained euhedral pyrite with interstitial quartz and lesser calcite, likely vein related pyrite.											i							
91.85	108.43	16.58				LST	MX		Intensely dolomitized sBX limestone unit with 'fuzzy' clasts and vug fills. The unit has a pervasive disseminated medium-grained pyrite overprint and trace coarse-grained arsenopyrite. Mineralization is more concentrated in heavily dolomitized portions. Grey-white talc associated calcite occurs as small intruding phases with trace pyrrhotite. Small intervals of massive pyrite and quartz also occur.					i						m	t	t					
									Foliation is defined by weak stylo-bedding	FO	60															
108.43	115.40	6.97				LST			Grey banded non-dolomitized lime-mudstone. Bedding is wispy and bioturbated? And possibly sheared.																		
									Foliation is defined by stylo bedding	FO	60																
									Calcite vein with trace pyrrhotite and pyrite.	VN	30	90	1							t		t					
115.40	119.42	4.02				MX	Py		Massive medium-grained euhedral pyrite with interstitial quartz and minor interstitial calcite, likely a large vein. Pyrite is quite brittle in places.											i							

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
119.42	128.93	9.51				LEP	VOL		Brown to light-grey spotty to weakly foliated leopard unit. This unit consist of brown to grey fine-grained biotite and argillaceous material occurring in anhedral masses as well as along a foliation. This unit has a strongly calcareous matrix and multiple quartz-calcite-pyrrhotite-pyrite veins which range from 1-10 cm. Coarse to fine-grained and often irregular with no measurable foliation. The pyrite and pyrrhotite occur as fine-grained anhedral masses within the vein and slightly disseminated in the leopard. The veins cut parallel to and oblique to the foliation.											w		t					
									Moderate foliated and aligned biotite.	FO	60																
									128.93 m - E.O.H. The hole was ended because it was past the favourable mineralized horizon and into the lower LEP unit.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-104

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
22.00	24.17	2.17	LST		2.15	99	I076699	62	0.02	0.03	20	2.31	
24.17	25.30	1.13	LST	OX	0.80	71	I076700	62	1.95	0.14	225	24.60	
25.30	26.27	0.97	LST		0.96	99	I076701	62	0.12	0.02	23	0.44	
26.27	26.80	0.53	OX		0.50	94	I076702	62	0.04	0.53	670	3.70	
26.80	29.00	2.20	LST		1.85	84	I076703	62	0.02	0.17	151	3.16	
37.00	39.52	2.52	LST		2.50	99	I076704	62	0.04	0.05	69	9.92	Break in sequence.
39.52	40.53	1.01	OX		1.01	100	I076735	63	0.06	0.26	239	3.82	
40.53	42.06	1.53	OX		1.29	84	I076736	63	0.03	0.27	174	6.74	
42.06	43.59	1.53	OX		0.63	41	I076737	63	1.15	1.07	12500	114.50	
43.59	45.11	1.52	OX		0.41	27	I076738	63	0.69	3.71	17700	201.00	
45.11	46.63	1.52	OX		1.01	66	I076739	63	0.45	2.35	15450	111.00	
46.63	48.16	1.53	OX		1.15	75	I076740	63	0.41	0.60	26000	90.00	
48.16	49.89	1.73	LST	OX	1.23	71	I076741	63	0.30	0.24	8500	19.10	
49.89	52.00	2.11	LST	DOL	1.89	90	I076743	63	0.19	0.22	2330	13.80	
77.00	80.00	3.00	LST	DOL	2.92	97	I076744	63	0.05	0.08	486	9.43	
80.00	83.00	3.00	LST	MX	3.00	100	I076745	63	0.50	0.33	517	39.20	
83.00	86.00	3.00	LST	MX	2.73	91	I076746	63	0.26	1.48	2180	93.00	
86.00	87.87	1.87	LST	DOL	1.85	99	I076748	63	0.25	0.13	770	299.00	
87.87	90.00	2.13	MX	PY	2.10	99	I076749	63	0.14	2.31	1940	1190.00	
90.00	91.85	1.85	MX	PY	1.85	100	I076750	63	0.18	1.08	2390	1910.00	
91.85	94.00	2.15	LST	MX	2.15	100	I076751	63	0.02	0.08	482	13.75	
94.00	97.00	3.00	LST	MX	2.95	98	I076752	63	0.07	0.10	9570	17.35	
97.00	100.00	3.00	LST	MX	2.69	90	I076754	63	0.09	0.10	4370	87.50	
100.00	103.00	3.00	LST	MX	3.00	100	I076755	63	0.10	0.10	5220	209.00	
103.00	106.00	3.00	LST	MX	2.85	95	I076756	63	0.05	0.08	888	18.55	
106.00	108.43	2.43	LST	MX	2.43	100	I076757	63	0.06	0.14	296	34.20	
108.43	111.00	2.57	LST		2.49	97	I076759	63	0.03	0.13	62	5.47	
111.00	114.00	3.00	LST		3.00	100	I076760	63	0.02	0.14	107	4.95	
114.00	115.40	1.40	LST		1.40	100	I076761	63	0.01	0.16	45	8.26	
115.40	117.00	1.60	MX	PY	1.60	100	I076762	63	0.11	1.07	5040	1160.00	
117.00	119.42	2.42	MX	PY	2.36	98	I076763	63	0.30	1.63	3110	672.00	
119.42	122.00	2.58	LEP		2.55	99	I076764	63	0.16	0.21	96	75.60	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
122.00	125.00	3.00	LEP		2.90	97	I076765	63	0.35	0.17	87	171.00	
125.00	128.00	3.00	LEP		2.85	95	I076770	64	0.01	0.14	30	179.50	
128.00	128.93	0.93	LEP		0.82	88	I076771	64	0.02	0.08	27	576.00	
-	-	-	-		-	-	I076742	63	0.38	6.92	10	1.23	Standard ROS-1
-	-	-	-		-	-	I076747	63	<0.01	0.01	<5	0.14	Blank (HQ)
94.00	97.00	3.00	LST	MX	2.95	98	I076753	63	0.06	0.11	8790	10.35	Duplicate
-	-	-	-		-	-	I076758	63	2.69	0.74	1820	93.10	Standard (RESS-8)
-	-	-	-		-	-	I076766	63	0.01	<0.01	<5	0.42	Blank (HQ)
-	-	-	-		-	-	I076772	64	<0.01	0.01	<5	0.85	Blank (HQ)

GEOTECHNICAL LOG

HOLE: Rau-10-104

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
2.00	3.96	1.96	1.80	92	0.61	31	MS	SW		
3.96	5.49	1.53	1.23	80	0.29	19	MS	SW		
5.49	7.01	1.52	1.52	100	0.44	29	MS	SW		
7.01	8.53	1.52	1.52	100	0.32	21	MS	SW		
8.53	10.06	1.53	1.34	88	0.10	7	MS	SW		
10.06	11.58	1.52	1.40	92	0.11	7	MS	SW		
11.58	14.63	3.05	3.02	99	1.60	52	MS	SW		
14.63	16.15	1.52	1.52	100	0.70	46	MS	SW		
16.15	17.68	1.53	0.92	60	0.37	24	MS	SW		
17.68	19.20	1.52	1.28	84	0.40	26	MS	SW		
19.20	20.73	1.53	1.38	90	0.80	52	MS	SW		
20.73	22.25	1.52	1.30	86	0.70	46	MS	SW		
22.25	23.77	1.52	1.50	99	1.25	82	MS	SW		
23.77	25.30	1.53	1.20	78	0.33	22	MS	MW		
25.30	26.82	1.52	1.50	99	0.86	57	MS	SW		
26.82	28.35	1.53	1.33	87	0.39	25	MS	SW		
28.35	29.87	1.52	1.44	95	0.40	26	MS	SW		
29.87	31.39	1.52	1.37	90	0.20	13	MS	SW		
31.39	32.92	1.53	1.42	93	0.63	41	MS	SW		
32.92	34.44	1.52	1.48	97	0.64	42	MS	SW		
34.44	35.97	1.53	1.37	90	0.35	23	MS	SW		
35.97	37.49	1.52	1.22	80	0.40	26	MS	SW		
37.49	39.01	1.52	1.45	95	0.48	32	MS	SW		
39.01	40.53	1.52	1.40	92	0.52	34	W	HW		
40.53	42.06	1.53	1.32	86	0.00	0	EW	EW	7.5YR6/6	50cm LST, rest oxide
42.06	43.59	1.53	0.64	42	0.00	0	EW	EW	7.5YR6/6	OXIDE
43.59	45.11	1.52	0.44	29	0.00	0	EW	EW	7.5YR5/4	OXIDE
45.11	46.63	1.52	1.09	72	0.00	0	EW	EW	7.5YR5/4	OXIDE
46.63	48.16	1.53	1.23	80	0.00	0	EW	EW	7.5YR5/4	OXIDE
48.16	49.68	1.52	1.01	66	0.55	36	MS	HW	10YR5/4	OXIDE
49.68	51.21	1.53	1.51	99	0.42	27	MS	SW		Extremely OX LST
51.21	52.73	1.52	1.52	100	0.65	43	MS	SW		
52.73	54.25	1.52	1.52	100	1.19	78	MS	SW		
54.25	55.78	1.53	1.45	95	0.91	59	MS	SW		
55.78	57.30	1.52	1.52	100	0.18	12	MS	SW		
57.30	58.83	1.53	1.32	86	1.10	72	MS	SW		
58.83	60.35	1.52	1.52	100	1.18	78	MS	SW		
60.35	61.87	1.52	1.79	118	1.24	82	MS	FR		
61.87	63.40	1.53	1.53	100	1.48	97	MS	FR		
63.40	64.92	1.52	1.45	95	1.45	95	MS	FR		
64.92	66.45	1.53	1.53	100	1.53	100	MS	SW		
66.45	67.97	1.52	1.38	91	1.29	85	MS	SW		
67.97	69.49	1.52	1.52	100	1.35	89	MS	SW		
69.49	71.02	1.53	1.53	100	1.47	96	MS	SW		
71.02	72.54	1.52	1.52	100	1.52	100	MS	SW		
72.54	74.07	1.53	1.53	100	1.35	88	MS	SW		
74.07	75.59	1.52	1.52	100	1.44	95	MS	SW		
75.59	77.11	1.52	1.38	91	1.07	70	MS	SW		
77.11	78.64	1.53	1.53	100	1.45	95	MS	FR		
78.64	80.16	1.52	1.41	93	1.41	93	MS	FR		
80.16	81.69	1.53	1.53	100	1.53	100	MS	FR		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
81.69	83.21	1.52	1.45	95	1.33	88	MS	SW		
83.21	84.73	1.52	1.52	100	1.01	66	MS	SW		
84.73	86.26	1.53	1.46	95	1.38	90	MS	SW		
86.26	87.78	1.52	1.52	100	0.86	57	MS	SW		
87.78	89.31	1.53	1.47	96	1.43	93	MS	FR		
89.31	90.83	1.52	1.52	100	1.21	80	MS	FR		
90.83	92.35	1.52	1.52	100	1.52	100	MS	FR		
92.35	93.88	1.53	1.53	100	1.48	97	MS	FR		
93.88	95.40	1.52	1.47	97	0.71	47	MS	FR		
95.40	96.93	1.53	1.53	100	1.14	75	MS	FR		
96.93	98.45	1.52	1.52	100	1.22	80	MS	FR		
98.45	99.97	1.52	1.26	83	1.17	77	MS	SW		
99.97	101.50	1.53	1.53	100	1.53	100	MS	FR		
101.50	103.02	1.52	1.52	100	1.25	82	MS	FR		
103.02	104.55	1.53	1.44	94	1.23	80	MS	FR		
104.55	106.07	1.52	1.49	98	1.49	98	MS	FR		
106.07	107.59	1.52	1.52	100	1.13	74	MS	FR		
107.59	109.12	1.53	1.49	97	1.21	79	MS	FR		
109.12	110.64	1.52	1.44	95	1.40	92	MS	FR		
110.64	112.17	1.53	1.53	100	1.53	100	MS	FR		
112.17	113.69	1.52	1.52	100	1.52	100	MS	FR		
113.69	115.21	1.52	1.52	100	1.26	83	MS	FR		
115.21	116.74	1.53	1.52	99	1.52	99	MS	FR		
116.74	118.26	1.52	1.51	99	1.51	99	MS	FR		
118.26	119.79	1.53	1.51	99	1.51	99	MS	FR		
119.79	121.31	1.52	1.52	100	1.17	77	MS	FR		
121.31	122.83	1.52	1.43	94	0.66	43	MS	FR		
122.83	124.36	1.53	1.53	100	1.53	100	MS	FR		
124.36	125.88	1.52	1.46	96	1.28	84	MS	FR		
125.88	127.41	1.53	1.53	100	1.49	97	MS	FR		
127.41	128.93	1.52	1.43	94	0.80	53	MS	FR		
128.93	E.O.H.									

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-104

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	OVB		N/A	
2.00	LST	DOL	4.20	
3.00	LST	DOL	3.39	
4.00	OX		2.80	
5.00	LST	DOL	2.92	
6.00	LST	DOL	0.72	
7.00	LST	DOL	0.00	
8.00	LST	DOL	2.62	
9.00	LST	DOL	0.43	
10.00	LST	DOL	1.76	
11.00	LST	DOL	2.53	
12.00	LST	DOL	0.72	
13.00	LST	DOL	3.89	
14.00	LST	DOL	1.26	
15.00	LST	DOL	0.00	
16.00	LST	DOL	2.01	
17.00	LST	DOL	0.63	
18.00	LST	DOL	0.75	
19.00	LST	DOL	0.57	
20.00	LST	DOL	5.05	
21.00	LST	DOL	2.23	
22.00	LST	DOL	0.62	
23.00	LST	DOL	0.00	
24.00	LST	DOL	4.82	
25.00	OX		1.96	
26.00	LST	DOL	0.95	
27.00	LST	DOL	0.06	
28.00	LST	DOL	3.83	
29.00	LST	DOL	3.15	
30.00	LST	DOL	1.41	
31.00	LST	DOL	2.63	
32.00	LST	DOL	0.24	
33.00	LST	DOL	0.67	
34.00	LST	DOL	1.56	
35.00	LST	DOL	2.23	
36.00	LST	DOL	0.00	
37.00	LST	DOL	1.17	
38.00	LST	DOL	2.60	
39.00	LST	DOL	0.00	
40.00	VOL	OX	0.63	
41.00	VOL	OX	2.18	
42.00	VOL	OX	0.16	
43.00	VOL	OX	0.38	
44.00	VOL	OX	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	VOL	OX	0.00	
46.00	VOL	OX	0.90	
47.00	VOL	OX	0.77	
48.00	VOL	OX	1.10	
49.00	VOL	OX	0.34	
50.00	LST	DOL	0.94	
51.00	LST	DOL	0.14	
52.00	LST	DOL	0.49	
53.00	LST	DOL	0.00	
54.00	LST	DOL	0.00	
55.00	LST	DOL	0.43	
56.00	LST	DOL	0.32	
57.00	LST	DOL	0.38	
58.00	LST	DOL	0.00	
59.00	LST	DOL	0.00	
60.00	LST	DOL	0.55	
61.00	LST	DOL	0.00	
62.00	LST	DOL	0.08	
63.00	LST	DOL	0.96	
64.00	LST	DOL	0.06	
65.00	LST	DOL	1.25	
66.00	LST	DOL	1.39	
67.00	LST	DOL	0.24	
68.00	LST	DOL	1.27	
69.00	LST	DOL	1.25	
70.00	LST	DOL	0.00	
71.00	LST	DOL	1.49	
72.00	LST	DOL	0.08	
73.00	LST	DOL	0.04	
74.00	LST	DOL	1.90	
75.00	LST	DOL	0.49	
76.00	LST	DOL	0.47	
77.00	LST	DOL	0.38	
78.00	LST	DOL	0.45	
79.00	LST	DOL	5.59	
80.00	LST	DOL	1.00	
81.00	LST	DOL	2.11	
82.00	LST	DOL	3.73	
83.00	DOL	MX	0.18	
84.00	DOL	MX	1.74	
85.00	DOL	MX	0.43	
86.00	DOL	MX	0.04	
87.00	DOL	MX	1.68	
88.00	MX	PY	0.00	
89.00	MX	PY	0.63	
90.00	MX	PY	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	MX	PY	0.04	
92.00	LST	MX	1.23	
93.00	LST	MX	3.50	
94.00	LST	MX	4.57	
95.00	LST	MX	0.28	
96.00	LST	MX	4.38	
97.00	LST	MX	7.52	
98.00	LST	MX	6.04	
99.00	LST	MX	0.00	
100.00	LST	MX	1.29	
101.00	LST	MX	1.86	
102.00	LST	MX	4.57	
103.00	LST	MX	2.66	
104.00	LST	MX	1.16	
105.00	LST	MX	1.06	
106.00	LST	MX	1.94	
107.00	LST	MX	1.37	
108.00	LST	MX	1.96	
109.00	LST		1.70	
110.00	LST		1.76	
111.00	LST		2.64	
112.00	LST		0.88	
113.00	LST		6.37	
114.00	LST		5.98	
115.00	LST		14.10	
116.00	MX	PY	0.00	
117.00	MX	PY	0.00	
118.00	MX	PY	0.00	
119.00	MX	PY	0.36	
120.00	LEP	VOL	5.04	
121.00	LEP	VOL	1.16	
122.00	LEP	VOL	0.45	
123.00	LEP	VOL	0.10	
124.00	LEP	VOL	1.23	
125.00	LEP	VOL	0.12	
126.00	LEP	VOL	1.13	
127.00	LEP	VOL	1.22	
128.00	LEP	VOL	0.56	

DENSITY LOG

HOLE: Rau-10-104

Depth (m)	Unit	Modifier	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
			Py %	As %	Other	%							
2.88	LST	DOL						12.1	6.1	964.4	605.9	2.76	2.69
7.73	LST	DOL						13.4	6.1	1070.4	681.9	2.76	2.76
11.80	LST	DOL						19.2	6.1	1525.1	965.5	2.75	2.73
14.79	LST	DOL						13.4	6.1	1095.5	706.3	2.83	2.81
19.29	LST	DOL	t					19.7	6.1	1612.2	1034.9	2.83	2.79
23.10	LST	DOL						19.0	6.1	1522.6	944.0	2.77	2.63
26.86	LST	OX						19.5	6.1	1549.9	972.3	2.75	2.68
32.89	LST	DOL						16.7	6.1	1350.9	863.5	2.80	2.77
35.50	LST	DOL						15.2	6.1	1200.4	761.3	2.73	2.73
39.05	LST	DOL						18.8	6.1	1505.9	951.9	2.77	2.72
50.78	LST	DOL						15.5	6.1	1255.5	796.6	2.80	2.74
55.58	LST	DOL						12.3	6.1	996.2	650.9	2.80	2.89
59.81	LST	DOL	t					13.0	6.1	1083.0	702.9	2.88	2.85
62.32	LST	DOL						16.8	6.1	1444.5	950.1	2.97	2.92
66.55	LST	DOL	t					19.9	6.1	1670.8	1113.2	2.90	3.00
70.61	LST	DOL	t					20.0	6.1	1673.0	1058.0	2.89	2.72
75.00	LST	DOL	t					19.6	6.1	1675.3	1070.6	2.96	2.77
78.80	LST	DOL	w					20.0	6.1	1675.2	1063.1	2.90	2.74
82.80	DOL	MX	m					20.7	6.1	1916.7	1339.4	3.20	3.32
87.01	LST	DOL	m					18.8	6.1	1722.2	1181.7	3.17	3.19
89.34	MX	Py					90% Py	17.5	6.1	2343.3	1833.9	4.63	4.60
93.14	LST	MX	w	t			CG Asp	19.5	6.1	1677.4	1110.8	2.97	2.96
97.05	LST	MX	w					19.0	6.1	1618.0	1061.6	2.94	2.91
101.00	LST	MX	f					20.0	6.1	1785.3	1180.0	3.09	2.95
105.20	LST	MX	m					19.1	6.1	1748.0	1177.7	3.17	3.07
109.70	LST							19.5	6.1	1599.1	1025.6	2.84	2.79
113.00	LST		t					20.2	6.1	1679.0	1062.7	2.87	2.72
116.90	MX	Py					90% Py	19.7	6.1	2671.0	2083.0	4.69	4.54
123.00	LEP		w					14.9	6.1	1306.8	861.7	3.03	2.94
125.25	LEP		t					19.2	6.1	1595.6	1006.0	2.87	2.71

HOLE: Rau-10-104

Box #	Diameter (cm)	From (m)	To (m)	Unit	Modifier	Recovery	Weight	Density	Comments
11	6.1	41.45	48.16	OX		3.63	52.3	2.26	

BOX LOG

HOLE: Rau-10-104

BOX	FROM (m)	TO (m)
1	2.00	5.60
2	5.60	9.10
3	9.10	12.92
4	12.92	16.90
5	16.90	21.50
6	21.50	25.60
7	25.60	29.52
8	29.52	33.45
9	33.45	37.49
10	37.49	41.45
11	41.45	48.16
12	48.16	52.73
13	52.73	56.59
14	56.59	60.35
15	60.35	64.32
16	64.32	68.33
17	68.33	72.35
18	72.35	76.29
19	76.29	80.57
20	80.57	84.44
21	84.44	88.74
22	88.74	92.60
23	92.60	96.49
24	96.49	100.62
25	100.62	104.55
26	104.55	108.43
27	108.43	112.49
28	112.49	116.64
29	116.64	120.73
30	120.73	124.85
31	124.85	128.93
128.93 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
10+350NW	10+248NE	528455	7119467	1433	250.55

ZONE: Oxide

SECTION: 10+350NW

HOLE: **Rau-10-105**

CLAIM: Rau 54

Contractor: Superior

Drill: 3

Core size: HQ/NQ

Casing depth: 3.05 m out

Drilling dates: July 29 - August 4, 2010

Geology logged by: K. Wynne

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-78.0	compass	195.68	228	-73.5	
119.48	228	-73.3		210.92	227	-74.3	
134.72	228	-73.2		226.16	227	-74.2	
149.96	228	-73.0		241.40	228	-74.1	

TARGET: Oxide Zone

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	2.65	2.65	OVB	
2.65	38.00	35.35	LST	Fossiliferous, foliated, locally MBL altered.
38.00	91.58	53.58	VOL	Locally conglomeritic and magnetic.
91.58	101.37	9.79	MBL	Foliated.
101.37	109.54	8.17	LST	Strongly MBL.
109.54	163.54	54.00	LST	Fossiliferous, foliated, increasing OX down interval.
163.54	198.10	34.56	VOL	Locally conglomeritic and magnetic.
198.10	201.65	3.55	MBL	
201.65	217.74	16.09	OX	Intense OX and SID
217.74	225.27	7.53	DOL	Intense OX
225.27	236.00	10.73	MBL	Interlayered with VOL, variably OX.
236.00	243.00	7.00	LEP	Variably OX.
243.00	244.52	1.52	OX	
244.52	247.49	2.97	Qz	Qz rubble.
247.49	250.55	3.06	MX	Massive Py occurs as loose vFG to CG crystals.
250.55	E.O.H.			

SAMPLES

Numbers: I076733-I076734, I076782-I076812

Total: 32

Batch: 63. 64, 65

Date Sent: Augues 4,5, 2010

Certificate: VA10108987, VA10108986, VA10113693

COMMENTS

The rods were reduced to NQ at 116.43 m. The hole was ended when there was signs the rods would get stuck.

GEOLOGY LOG

HOLE: Rau-10-105

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	2.65	2.65				OVB			Overburden - no recovery																		
2.65	38.00	35.35				LST	FOS		Medium to dark grey FOS LST, locally moderately MBL altered. FO is defined along fractures and are often coated in dark grey mud. Fossils include crinoids, favosites, and unidentified Ca clasts.									MBL	w							
			2.65	10.25	7.60	LST	FOS		Medium grey LST, with crinoids and unidentified MG white Ca spots forming a wackstone. Ca VT are common at various angles. Weak orange brown alteration on broken surfaces and in thin seams locally defining FO. The entire interval has a moderate marble overprint.									MBL	m							
									FO variably defined, with large zones of very weakly FO LST.	FO	25																
			4.89	5.97	1.08	LST	FOS	RBL	Very broken zone of LST. The RBL averages < 3 cm.																		
			10.25	13.35	3.10	LST			Medium grey LST, with FG Ca spots and no recognizable fossils, forming mudstone. Increased SHL content in very broken intervals of rubble and core. Stylolitic layers of thin shale vaguely define FO. Weak MBL alteration of LST.	FO	30							MBL	w							
			13.35	20.00	6.65	LST	FOS	FO	Medium to light grey, FG LST with FG to MG Ca spots and crinoid fragments. FO is defined by darker grey layers in medium to light grey LST. Orange brown alteration occurs on fractured surfaces. Mudstone with wackstone zones < 50 cm long.	FO	30							MBL	ms							
			20.00	27.51	7.51	LST			Medium to dark grey, FG with FG to MG Ca spots and crinoids. One favosites fossil is present at 24.73 m. Increased FG dark grey shaley material along FO and in zones <70 cm long. Orange brown alteration on some shale seams. Mudstone to wackstone.	FO	30															
			27.51	31.09	3.58	LST	FOS		Light grey with dark grey vFG seams and shale rich zones < 15 cm long. Interval is favosites rich packstone, with most of the light grey calcareous zones being fairly marbleized. Trace rugose fossils.									MBL	f							
			31.09	34.34	3.25	LST			Medium grey FG LST, with a decreased fossil content forming a mudstone. FO is defined by Ca VT and MG fossiliferous Ca layers < 3 cm long.	FO	30															

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			34.34	38.00	3.66	LST	MBL		Light to medium grey, FO, moderately-strongly MBL altered LST. FO is defined by light grey Ca layers with yellow orange alteration. Irregular Ca/Qz VT follow FO. Orange brown (oxide) alteration increases down interval in layers and on broken core. The last meter of interval is very rubbly.							w		MBL	ms								
38.00	91.58	53.58				VOL			Variably altered FO VOL, Ca VT and spots throughout, locally CGL. CHL and BIO alteration grades into SER alteration with weak OX and magnetic zones. Qz VT and chert nodules occur locally.							w												
			38.00	55.80	17.80	VOL			Medium blue grey to dark brown, strong CHL, moderate BIO altered FG VOL, FO. Zones of intense grading to weak BIO. Ca VT at various angles, largely along the FO.	FO	25							CHL	s								x
																				BIO	m						
									Qz/ Ca VT ~ 4 cm thick, cut off by FO.	VT	40	55															
			48.00	50.90	2.90	VOL			Dark brown Bi rich VOL, intense Bi, strong Cl, with MG Ca spots making interval fizz strongly in 10% HCl. Fo undefined. Trace Py associated with Qz/Ca VT, some with orange brown colouration of Ca.									BIO	i	t							x
																		CHL	s								
			55.80	59.60	3.80	VOL			Dark blue-grey, weak SER and OX altered VOL that is strongly magnetic and moderately FO. Weak oxidation occurs along fractures along the FO.	FO	20					w		SER	w			Mg	s			
			58.00	59.38	1.38	VOL	SER		Non-magnetic strong SER zone with Qz/Ca VT at centre. Periphery has moderate OX with orange Ca spots.	FO	20					m		SER	s							
									QZ/Ca VT~ 5 cm wide.	VT	40	80															
			59.60	62.52	2.92	VOL	BIO		Dark brown to blue-grey intense Bi VOL, intensely Ca VT with FG to MG Ca spots. VT generally follow FO.									BIO	i								
																		CHL	s								
			62.52	63.82	1.30	VOL			Medium green grey, strong SER, trace OX, moderate-strong Bi altered VOL. Very broken, with gradational lCN.	FO	25					t		SER	s							
																		BIO	ms								
			63.82	68.10	4.28	VOL	CGL		Blue grey, strong Cl, fair SER and BIO altered FO VOL CGL. Clasts are rounded Ca and chert < 2 cm in diameter, elongate on FO. Ca in VT and altering VOL in patches and spots.	FO	25							CHL	s								x
																		BIO	f								
																		SER	f								

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			68.10	70.71	2.61	VOL	CGL		Dark brown to light green blue, intense Bi, moderate-strong SER, FO VOL CGL. Chert and Ca clasts up to 7 cm in diameter, elongate on FO. Ca clasts commonly intensely Bi altered. Thin, blebby Ca VT which curves so as to start and end on same core side, ends in large Ca bleb with orange brown alteration rimmed by white Ca, with small Qz grains.	FO	20							BIO	i								
																			SER	ms							
			70.71	71.93	1.22	VOL	CGL		Dark orange brown strong BIO moderate SER FO VOL CGL. Clasts < 1 cm in diameter, entirely Ca, elongate on FO. Ca spots are light orange, MG and replacing VOL in patches following FO.	FO	15					t		BIO	s								
																			SER	m							
			71.93	91.58	19.65	VOL	CGL		Medium green blue FG FO VOL CGL with zones of increased to intense BIO. Generally weak BIO. Zones of fair SER generally moderate-strong to intense. Clasts largely Ca, also include dark grey, light blue, and light yellow non-calcareous clasts up to 4 cm wide, and 20 cm long. Generally 1 cm diameter. Last 50 cm of interval has fair OX on FO and Ca spots and is rich in chert clasts < 1 cm.	FO	25							SER	s								
																			BIO	m							
91.58	101.37	9.79					MBL	FO	Light grey to yellow white FG MBL with medium grey vFG seams defining FO and locally undulatory. Interzones of dark grey non-calcareous rock with sharp CN following FO.																			
									Variable from 20 to 30 degrees, locally undefined.	FO	25																	
			97.61	98.00	0.39	VOL			Dark grey FG non-calcareous zone with Ca clasts up to 1 cm wide elongate on FO. Possibly VOL? Sharp CN with MBL.	uCN	20																	
			98.35	98.72	0.37	VOL			Dark grey FG non-calcareous zone, with small Ca spots through interval as opposed to large Ca clasts CN are irregular with rounded clasts.																			
101.37	109.54	8.17				LST	MBL	FO	Medium to light grey FG strong MBL LST. FO defined by light grey and medium grey layering. MG white and dark grey spotted layers which both follow and cut FO (VT?), and locally have FO deformed around them. Gradational uCN with ~ 7 cm cBX at lCN.	FO	30							MBL	s								

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
109.54	163.54	54.00				LST			Medium grey to light grey, FG fossiliferous LST. Crinoid, halycites, rugose and unidentified Ca fragments in mudstone. Trace Po disseminated throughout, locally oxidized until 129.25 m, after which all Po is OX. Weak OX on FX and as thin seams following FO increases gradationally down interval to strong OX as seams and patches following FO and on FX. Down interval have larger contrast in colouration as layers 5-10 cm long, with bleached looking light grey layers and softer dark grey layers in which Po is always OX.	FO	30									t							
									Thin Ca VT set.	VT	30	255														
			144.55	163.54	18.99	LST	OX		Medium orange brown to brown, and dark grey, OX LST. OX on FX and FO, closely spaced. Increases down interval to occurs in layers generally < 4 cm long, sometimes forming longer zones. Unaltered LST is FG dark grey FO. Very broken zones commonly intense OX. OX likely of VOL rich layers.	FO	45														x
			159.17	159.49	0.32	VOL	OX		Orange brown intense OX VOL with platy rubble, strong FX angle, and green white sheen on FX.	FO	50							SER	i							
163.54	198.10	34.56				VOL		FO	Blue grey to dark green grey FO VOL, with CGL layers. Locally magnetic, with Ca spots and VT through most of interval. Fo variable through interval.																	
			163.54	164.20	0.66	VOL	OX	FO	Orange brown intense OX VOL grades into dark brown Bi altered VOL intensely Ca VT following FO.	FO	55					i		BIO	s							
			164.20	173.81	9.61	VOL	CHL	FO	Blue grey FG VOL, with Ca VTs throughout. Fractures occur along the FO and weak oxidation occurs on some of the fractures down interval. Strong Cl and medium SER alteration occurs throughout. The uCN is gradational.	FO	65					w		CHL	s							
																				SER	m						
			168.47	173.81	5.34	VOL	Mg		Chloritized VOL becomes weakly magnetic.									CHL	s						Mg	w	
			173.81	180.98	7.17	VOL	CGL		Dark grey to medium green-grey, magnetic VOL CGL with clasts elongate along the FO. Clasts are light green where intensely SER altered and dark to medium grey. Some clasts are large enough to form apparent layers. Ca VTs are absent in layer, begin, but Ca clasts occur toward the lCN. At the lCN there is a gradational decrease in magnetism. The interval rubbly in zones.															Mg	s	

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			180.98	188.32	7.34	VOL		BN	Dark green FO intensely chlorite altered non-magnetic with abundant Ca in the matrix and Ca VT defining the foliation. The core is very broken along FO and had multiple sections of 10 cm FLT gouge.	FO	75							CHL	i								
			188.32	198.10	9.78	LEP	VOL	LP	Grey to pale green argillaceous to lithic lapilli tuff LEP spotted VOL. Majority of unit is grey interbedded very fine grained to silt sized argillite beds and elongate foliated lapilli tuff. Unit has strongly calcareous matrix and variable degrees of sericitization. Lower contact begins to interfinger with white MBL. Unit is much more competent than the green VOL above. Lapilli fragments are cryptic and irregular, some are silica and argillite rich.	FO	45																
198.10	201.65	3.55				MBL			White to very light grey MBL with abundant black sinuous bands and intervals of broken core throughout. Fracture surfaces are orange and rusty coloured, while rubbly intervals often have associated OX gouge. The lCN is gradational into OX VOL chips.																		
201.65	217.74	16.09				OX			Light yellow-brown and dark red-brown to black, intensely OX and locally intensely SID altered. Variably calcareous, clay to solid SID core.																	
			201.65	206.65	5.00	OX	SID		Light yellow brown clay to solid core, easily broken to grit. Non-calcareous, breaks on common orientation. Less altered zones have intense SER. Gradational uCN and lCN.							i		SER	m							
			206.65	209.94	3.29	OX	cBX		Light brown to grey oxide with local pink colouration on surface. Patches of white in calcareous zones show remnant cBX texture. Gradational lCN.							i										
			209.94	217.74	7.80	OX	SID		Dark red to orange-brown oxide surface, with dark brown to black centres. Intense SID rich zones occur throughout. Clay to solid core, (mostly core) easily broken to rubbly and gritty. Trace Qz with increased Qz toward the lCN. The last 10 cm fizzes, grading into LST.							i	i									
217.74	225.27	7.53				DOL	OX		Orange-brown clay to core, intensely oxidized hydrothermal DOL with local cBX Ca seams. Overall, the OX is variably calcareous, with some OX displaying SER alteration (VOL interlayers).							i		SER	w							

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			217.74	219.72	1.98	DOL	OX		Light to medium orange-brown intensely OX interval. The less OX core fragments have MG to FG DOL and weak OX. Weak Py is disseminated throughout. Strongly calcareous, possibly because of cBX seams. Core to clay.							i				w							
			219.72	220.72	1.00	OX			Orange-brown intensely OX clay to core, predominantly core easily broken to grit. Mottled to a light orange-brown and dark red brown colour. A 30 cm zone of light yellow and dark blue-grey mottled silt and clay.							i											
			220.72	225.27	4.55	DOL	OX		Orange-brown intensely OX clay to less altered core of FG to MG DOL locally cBX by Ca VT. OX zones commonly have planar fractures and SER alteration indicating VOL layers. OX locally fizzes in 10% HCl.							i		SER	w								
225.27	236.00	10.73				MBL	VOL		Light to dark grey and light to medium orange brown, interlayered MBL and VOL with intense OX zones. OX largely non calcareous, possibly OX VOL.							f											
			225.27	227.68	2.41	LST	MBL		Medium to light grey and light to medium orange-brown intensely MBL LST with interlayered intensely OX VOL. Overprinted crinoid fossils locally visible.							s		MBL	i								
			227.68	229.44	1.76	VOL	MBL		Dark grey FG VOL with Ca clasts and MBL layers up to 15 cm long. Weak OX of dark grey VOL occurs typically proximal to MBL.																		
			229.44	230.00	0.56	OX	VOL		Light yellow intensely OX VOL. Core is cohesive and non-calcareous.							i											
			230.00	230.67	0.67	OX			Orange brown intensely OX non-calcareous core to clay.							i											
			230.67	236.00	5.33	MBL	OX		Light grey MBL with medium grey interlayers. Intensely OX zones <50 cm long with small hydrothermal DOL patches <5 cm wide. FO is irregular but occurs at a high angle TCA.																		
236.00	243.00	7.00				LEP	OX		Medium orange-brown intensely OX zones, less altered zones are intensely calcareous LEP printed VOL, up to 50% Ca in some zones. Wisps and clasts of SER altered VOL appear deformed. OX is variably calcareous.							i		SER	f								x
243.00	244.52	1.52				OX			Light orange brown to yellow non-calcareous clay to rubble.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
244.52	247.49	2.97				Qz			Light grey clay to Qz rubble, < 3 cm diameter. Qz rubble composes ~ 40% of interval. Increasing Py down interval over a gradational lCN.																		
247.49	250.55	3.06				MX			Silver-grey CG to vFG Py as loose sand. The first 1.53 m have Qz rubble mixed in, remainder of interval is 100% Py. The last 27 cm is vFG Py silt. Py is not OX.											96							x
									250.55 m - E.O.H. The hole was ended because the rods were in danger of becoming stuck. The hole was at its targeted depth.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-105

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch		Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
142.00	144.55	2.55	LST		2.47	97	I076733	63	I076733	<0.01	0.07	11	0.04	
144.55	146.91	2.36	LST	OX	2.12	90	I076734	63	I076734	<0.01	0.12	<5	0.05	
198.73	201.65	2.92	MBL		2.36	81	I076782	64	I076782	<0.01	0.04	37	0.08	Break in sequence
201.65	203.00	1.35	OX	VOL	1.20	89	I076783	64	I076783	<0.01	0.16	125	0.75	
203.00	206.00	3.00	OX	VOL	2.25	75	I076784	64	I076784	<0.01	0.18	164	0.77	
206.00	207.87	1.87	OX		1.62	87	I076785	64	I076785	0.13	0.74	517	8.60	
207.87	210.92	3.05	OX		2.40	79	I076787	64	I076787	0.15	1.52	8980	731.00	
210.92	212.29	1.37	OX		1.03	75	I076788	64	I076788	0.59	6.09	15800	620.00	
212.29	215.34	3.05	OX		2.94	96	I076789	64	I076789	15.75	11.40	24200	1680.00	
215.34	218.39	3.05	OX		2.84	93	I076791	64	I076791	4.86	3.65	18150	1420.00	
218.39	220.07	1.68	DOL		0.69	41	I076792	64	I076792	1.48	2.47	20200	255.00	
220.07	222.20	2.13	DOL		1.86	87	I076793	64	I076793	2.49	1.60	11900	2440.00	
222.20	223.11	0.91	DOL		0.74	81	I076795	64	I076795	0.30	0.13	6880	22.90	
223.11	225.27	2.16	DOL		2.16	100	I076796	64	I076796	0.41	0.11	6630	43.60	
225.27	227.68	2.41	LST	MBL	2.11	88	I076798	64	I076798	0.23	0.12	948	16.50	
227.68	229.44	1.76	VOL	MBL	1.61	91	I076799	64	I076799	0.16	0.39	345	5.20	
229.44	230.73	1.29	OX	VOL	1.07	83	I076800	64	I076800	0.09	0.22	2690	5.28	
230.73	232.26	1.53	OX		1.16	76	I076801	64	I076801	0.23	0.18	1140	62.60	
232.26	233.78	1.52	MBL	OX	0.98	64	I076802	64	I076802	0.02	0.05	950	5.10	
235.61	236.83	1.22	MBL	OX	0.22	18	I076803	64	I076803	0.06	0.99	641	60.70	
236.83	238.35	1.52	LEP	OX	0.98	64	I076804	64	I076804	0.01	0.19	2420	103.00	
238.35	240.07	1.72	LEP	OX	1.60	93	I076805	65	I076805	<0.01	0.09	1070	39.30	
240.07	242.93	2.86	LEP	OX	2.20	77	I076806	65	I076806	<0.01	0.09	2360	256.00	
242.93	244.45	1.52	OX		0.47	31	I076807	65	I076807	0.01	0.36	1835	319.00	
244.45	245.97	1.52	Qz		0.25	16	I076808	65	I076808	0.01	0.63	758	78.80	
245.97	247.49	1.52	Qz		0.25	16	I076809	65	I076809	0.07	2.34	832	8.50	
247.49	249.02	1.53	MX		0.21	14	I076810	65	I076810	0.05	5.85	1120	3.95	
249.02	250.55	1.53	MX		0.85	56	I076811	65	I076811	0.42	14.20	3460	12.05	
206.00	207.87	1.87	OX		1.62	87	I076786	64	I076786	0.12	0.67	721	8.39	Duplicate
-	-	-	-	-	-	-	I076790	64	I076790	0.02	0.05	92	2.73	Blank (NQ)
-	-	-	-	-	-	-	I076794	64	I076794	1.40	0.63	91	3.82	Standard ROS-2
-	-	-	-	-	-	-	I076797	64	I076797	0.38	6.97	16	1.33	Standard ROS-1

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch		Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
-	-	-	-	-	-	-	I076812	65	I076812	<0.01	0.05	8	0.16	Blank (NQ)

GEOTECHNICAL LOG

HOLE: Rau-10-105

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
2.65	3.66	1.01	1.01	100	0.20	20	W	FR		
3.66	5.18	1.52	1.24	82	0.35	23	W	FR		
5.18	6.71	1.53	1.53	100	0.00	0	W	SW		
6.71	9.75	3.04	2.90	95	2.17	71	MS	FR		
9.75	12.80	3.05	2.65	87	0.54	18	W	FR		
12.80	15.85	3.05	2.63	86	1.32	43	W	SW		
15.85	18.90	3.05	2.80	92	1.91	63	MS	SW		
18.90	21.95	3.05	2.87	94	1.41	46	MS	FR		
21.95	24.99	3.04	2.77	91	1.13	37	MS	FR		
24.99	28.04	3.05	2.89	95	0.88	29	MS	FR		
28.04	31.09	3.05	2.85	93	1.63	53	MS	FR		
31.09	34.14	3.05	2.97	97	1.83	60	MS	FR		
34.14	37.19	3.05	2.40	79	1.65	54	W	SW		
37.19	40.23	3.04	2.53	83	0.46	15	W	SW		
40.23	43.28	3.05	2.99	98	2.65	87	MS	SW		
43.28	44.81	1.53	1.53	100	1.17	76	S	SW		
44.81	46.33	1.52	1.52	100	1.24	82	MS	FR		
46.33	47.85	1.52	1.52	100	1.25	82	MS	SW		
47.85	49.38	1.53	1.45	95	1.23	80	S	SW		
49.38	50.90	1.52	1.52	100	1.52	100	S	FR		
50.90	52.43	1.53	1.53	100	1.42	93	S	FR		
52.43	53.95	1.52	1.52	100	1.52	100	MS	FR		
53.95	55.47	1.52	1.50	99	1.43	94	MS	FR		
55.47	57.00	1.53	1.53	100	1.38	90	MS	SW		
57.00	58.52	1.52	1.40	92	0.62	41	MS	SW		
58.52	60.05	1.53	1.53	100	0.76	50	MS	SW		
60.05	61.57	1.52	1.50	99	1.50	99	MS	SW		
61.57	63.09	1.52	1.52	100	1.15	76	MS	SW		
63.09	64.62	1.53	1.52	99	0.62	41	MS	SW		
64.62	66.14	1.52	1.50	99	1.22	80	MS	SW		
66.14	67.67	1.53	1.50	98	1.41	92	MS	FR		
67.67	69.19	1.52	1.48	97	1.06	70	MS	SW		
69.19	70.71	1.52	1.52	100	1.23	81	S	SW		
70.71	72.24	1.53	1.53	100	1.22	80	S	SW		
72.24	73.76	1.52	1.37	90	0.78	51	S	SW		
73.76	74.68	0.92	0.79	86	0.66	72	S	FR		
74.68	76.81	2.13	2.13	100	1.71	80	S	FR		
76.81	79.86	3.05	2.89	95	2.20	72	S	SW		
79.86	82.91	3.05	3.05	100	2.90	95	S	FR		
82.91	85.95	3.04	2.97	98	2.54	84	S	FR		
85.95	89.00	3.05	2.99	98	2.93	96	S	FR		
89.00	92.05	3.05	2.73	90	1.87	61	S	SW		
92.05	95.10	3.05	3.05	100	2.35	77	MS	SW		
95.10	98.15	3.05	3.05	100	2.16	71	MS	SW		
98.15	101.19	3.04	2.99	98	2.67	88	MS	SW		
101.19	104.24	3.05	3.05	100	2.75	90	MS	FR		
104.24	107.29	3.05	3.04	100	2.79	91	MS	FR		
107.29	110.34	3.05	2.87	94	2.46	81	MS	FR		
110.34	113.39	3.05	3.03	99	2.42	79	MS	MW		and 30 cm of weak highly weathered material
113.39	116.43	3.04	3.01	99	2.18	72	MS	SW		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
116.43	119.48	3.05	2.44	80	1.42	47	MS	SW		
119.48	122.53	3.05	2.83	93	0.00	0	MS	SW		
122.53	125.58	3.05	2.70	89	0.53	17	MS	SW		
125.58	128.63	3.05	2.80	92	0.42	14	MS	SW		
128.63	131.67	3.04	2.67	88	0.30	10	MS	SW		
131.67	134.72	3.05	2.91	95	0.76	25	MS	MW		
134.72	137.77	3.05	2.81	92	0.72	24	MS	SW		
137.77	140.82	3.05	3.02	99	0.70	23	MS	SW		
140.82	143.87	3.05	2.58	85	0.46	15	MS	SW		
143.87	146.91	3.04	2.80	92	0.00	0	W	HW		
146.91	148.44	1.53	1.31	86	0.00	0	W	MW		
148.44	149.96	1.52	1.48	97	0.00	0	W	MW		
149.96	151.18	1.22	1.17	96	0.00	0	W	MW		
151.18	152.70	1.52	1.15	76	0.10	7	W	MW		
152.70	153.31	0.61	0.61	100	0.24	39	W	MW		
153.31	154.53	1.22	1.16	95	0.15	12	W	MW		
154.53	155.75	1.22	1.04	85	0.25	20	W	MW		
155.75	156.97	1.22	1.15	94	0.20	16	W	MW		
156.97	159.11	2.14	2.06	96	0.00	0	W	MW		
159.11	160.63	1.52	1.28	84	0.00	0	W	MW		
160.63	162.15	1.52	1.21	80	0.15	10	W	MW		
162.15	163.68	1.53	1.36	89	0.23	15	W	MW		
163.68	165.20	1.52	0.96	63	0.00	0	W	MW		
165.20	166.73	1.53	1.42	93	0.11	7	W	SW		
166.73	168.25	1.52	1.44	95	0.12	8	MS	SW		
168.25	169.77	1.52	1.50	99	0.28	18	MS	SW		
169.77	171.30	1.53	1.40	92	0.00	0	W	SW		
171.30	172.82	1.52	1.47	97	0.13	9	W	SW		
172.82	174.04	1.22	1.22	100	0.00	0	W	SW		
174.04	174.96	0.92	0.89	97	0.00	0	W	SW		
174.96	176.48	1.52	0.91	60	0.00	0	W	SW		
176.48	177.39	0.91	0.83	91	0.00	0	W	SW		
177.39	178.61	1.22	1.00	82	0.00	0	W	SW		
178.61	180.14	1.53	1.42	93	0.13	8	W	SW		
180.14	181.66	1.52	1.40	92	0.56	37	W	SW		
181.66	183.34	1.68	1.40	83	0.00	0	W	SW		
183.34	184.10	0.76	0.76	100	0.00	0	W	MW		
184.10	185.78	1.68	1.38	82	0.00	0	W	SW		
185.78	186.54	0.76	0.73	96	0.00	0	W	SW		
186.54	188.06	1.52	1.52	100	0.00	0	W	SW		
188.06	189.59	1.53	1.38	90	0.00	0	W	SW		
189.59	192.63	3.04	2.45	81	0.18	6	W	SW		
192.63	195.68	3.05	2.47	81	0.48	16	W	SW		
195.68	198.73	3.05	2.60	85	0.53	17	W	SW		
198.73	201.78	3.05	2.52	83	0.40	13	W	EW		
201.78	204.83	3.05	2.23	73	0.00	0	EW	EW	10YR6/8	OXIDE
204.83	207.87	3.04	2.78	91	0.00	0	EW	EW	10YR6/8	OXIDE
207.87	210.90	3.03	2.40	79	0.00	0	EW	EW	10YR6/8	
210.90	212.29	1.39	1.03	74	0.95	68	EW	EW	10R3/2	
212.29	213.82	1.53	1.49	97	0.00	0	EW	EW	10R3/2	
213.82	215.34	1.52	1.45	95	0.00	0	EW	EW	10R3/2	
215.34	216.87	1.53	1.46	95	0.00	0	EW	EW	10R3/2	
216.87	218.39	1.52	1.38	91	0.00	0	EW	EW	10R3/2	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
218.39	220.07	1.68	0.69	41	0.00	0	EW	EW	10R3/2	
220.07	220.68	0.61	0.60	98	0.00	0	EW	EW	10R3/2	
220.68	222.20	1.52	1.26	83	0.00	0	EW	EW	10R3/2	
222.20	223.11	0.91	0.74	81	0.27	30	W	VW		
223.11	224.64	1.53	1.40	92	0.34	22	W	VW		
224.64	226.16	1.52	1.48	97	0.27	18	W	VW		
226.16	227.68	1.52	1.46	96	0.40	26	W	VW		
227.68	229.21	1.53	1.32	86	0.71	46	W	VW		
229.21	230.73	1.52	1.25	82	0.00	0	W	VW		
230.73	232.26	1.53	1.16	76	0.00	0	EW	MW		
232.26	233.78	1.52	0.98	64	0.10	7	EW	MW		
233.78	235.31	1.53	0.03	2	0.00	0	EW	MW		
235.31	235.61	0.30	0.04	13	0.00	0	EW	MW		
235.61	236.83	1.22	0.20	16	0.00	0	EW	MW		
236.83	238.35	1.52	0.98	64	0.00	0	EW	MW	10YR6/8	
238.35	239.88	1.53	1.48	97	0.00	0	EW	EW	5YR6/8	
239.88	241.40	1.52	1.18	78	0.00	0	EW	EW	5YR5/6	
241.40	242.93	1.53	1.17	76	0.12	8	EW	EW	10YR6/8	
242.93	244.45	1.52	0.47	31	0.00	0	EW	EW	10YR6/8	
244.45	245.97	1.52	0.25	16	0.00	0	EW	EW	5YR5/1	
245.97	247.49	1.52	0.25	16	0.00	0	EW	EW		
247.49	249.02	1.53	0.21	14	0.00	0	EW	SW		
249.02	250.55	1.53	0.85	56	0.00	0	EW	SW		
250.55	E.O.H.									

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-105

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	OVB		N/A	
2.00	OVB		N/A	
3.00	LST	FOS	0.00	
4.00	LST	FOS	0.00	
5.00	LST	FOS	0.00	
6.00	LST	FOS	0.26	
7.00	LST	FOS	0.03	
8.00	LST	FOS	0.36	
9.00	LST	FOS	0.10	
10.00	LST	FOS	0.10	
11.00	LST	FOS	0.00	
12.00	LST	FOS	0.00	
13.00	LST	FOS	0.13	
14.00	LST	FOS	0.00	
15.00	LST	FOS	0.00	
16.00	LST	FOS	0.00	
17.00	LST	FOS	0.00	
18.00	LST	FOS	0.00	
19.00	LST	FOS	0.00	
20.00	LST	FOS	0.00	
21.00	LST	FOS	0.00	
22.00	LST	FOS	0.08	
23.00	LST	FOS	0.10	
24.00	LST	FOS	0.00	
25.00	LST	FOS	0.00	
26.00	LST	FOS	0.01	
27.00	LST	FOS	0.00	
28.00	LST	FOS	0.00	
29.00	LST	FOS	0.00	
30.00	LST	FOS	0.00	
31.00	LST	FOS	0.10	
32.00	LST	FOS	0.00	
33.00	LST	FOS	0.10	
34.00	LST	FOS	0.06	
35.00	LST	MBL	0.00	
36.00	LST	MBL	0.00	
37.00	LST	MBL	0.00	
38.00	LST	MBL	1.88	
39.00	VOL		2.18	
40.00	VOL		22.20	
41.00	VOL		7.57	
42.00	VOL		9.91	
43.00	VOL		0.00	
44.00	VOL		6.83	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	VOL		0.00	
46.00	VOL		1.27	
47.00	VOL		3.20	
48.00	VOL		3.72	
49.00	VOL		15.30	
50.00	VOL		4.90	
51.00	VOL		0.00	
52.00	VOL		1.94	
53.00	VOL		0.77	
54.00	VOL		0.00	
55.00	VOL		0.00	
56.00	VOL	MG	49.50	
57.00	VOL	MG	280.00	
58.00	VOL	MG	155.00	
59.00	VOL	MG	4.41	
60.00	VOL	BIO	3.47	
61.00	VOL	BIO	3.69	
62.00	VOL	BIO	0.00	
63.00	VOL		0.00	
64.00	VOL	CGL	2.13	
65.00	VOL	CGL	0.00	
66.00	VOL	CGL	0.00	
67.00	VOL	CGL	0.36	
68.00	VOL	CGL	0.00	
69.00	VOL	CGL	0.00	
70.00	VOL	CGL	0.00	
71.00	VOL	CGL	0.00	
72.00	VOL	CGL	2.23	
73.00	VOL	CGL	0.00	
74.00	VOL	CGL	0.00	
75.00	VOL	CGL	0.00	
76.00	VOL	CGL	0.00	
77.00	VOL	CGL	0.00	
78.00	VOL	CGL	0.00	
79.00	VOL	CGL	0.20	
80.00	VOL	CGL	1.89	
81.00	VOL	CGL	1.34	
82.00	VOL	CGL	0.03	
83.00	VOL	CGL	0.00	
84.00	VOL	CGL	3.44	
85.00	VOL	CGL	0.50	
86.00	VOL	CGL	1.57	
87.00	VOL	CGL	0.00	
88.00	VOL	CGL	4.38	
89.00	VOL	CGL	0.00	
90.00	VOL	CGL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	VOL	CGL	1.12	
92.00	MBL	FO	0.00	
93.00	MBL	FO	0.00	
94.00	MBL	FO	0.78	
95.00	MBL	FO	4.60	
96.00	MBL	FO	1.99	
97.00	MBL	FO	1.12	
98.00	VOL		0.00	
99.00	LST	MBL	1.31	
100.00	LST	MBL	0.08	
101.00	LST	MBL	0.63	
102.00	LST	MBL	3.27	
103.00	LST	MBL	2.60	
104.00	LST	MBL	0.50	
105.00	LST	MBL	3.98	
106.00	LST	MBL	0.92	
107.00	LST	MBL	5.46	
108.00	LST	MBL	1.93	
109.00	LST	MBL	2.90	
110.00	LST		1.88	
111.00	LST		2.26	
112.00	LST		0.47	
113.00	LST		3.79	
114.00	LST		3.14	
115.00	LST		9.35	
116.00	LST		1.59	
117.00	LST		0.64	
118.00	LST		1.62	
119.00	LST		2.54	
120.00	LST		1.26	
121.00	LST		1.64	
122.00	LST		1.06	
123.00	LST		0.87	
124.00	LST		0.64	
125.00	LST		0.82	
126.00	LST		0.84	
127.00	LST		1.22	
128.00	LST		0.45	
129.00	LST		0.86	
130.00	LST		1.20	
131.00	LST		1.81	
132.00	LST		0.95	
133.00	LST		0.29	
134.00	LST		0.64	
135.00	LST		0.00	
136.00	LST		1.84	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	LST		0.43	
138.00	LST		2.81	
139.00	LST		0.80	
140.00	LST		0.00	
141.00	LST		0.00	
142.00	LST		0.69	
143.00	LST		0.69	
144.00	LST		0.00	
145.00	LST		0.65	
146.00	LST		0.18	
147.00	LST		0.00	
148.00	LST		0.21	
149.00	LST		0.09	
150.00	LST		0.25	
151.00	LST		0.16	
152.00	LST		1.48	
153.00	LST		0.12	
154.00	LST		0.27	
155.00	LST		0.47	
156.00	LST		0.21	
157.00	LST		0.00	
158.00	LST		0.95	
159.00	LST		0.00	
160.00	LST		3.18	
161.00	LST		0.82	
162.00	LST		1.20	
163.00	LST		0.42	
164.00	LST		0.00	
165.00	VOL	FO	2.30	
166.00	VOL	FO	1.13	
167.00	VOL	FO	3.76	
168.00	VOL	FO	6.91	
169.00	VOL	FO	39.10	
170.00	VOL	FO	59.50	
171.00	VOL	FO	62.80	
172.00	VOL	FO	29.10	
173.00	VOL	FO	25.60	
174.00	VOL	FO	181.00	
175.00	VOL	FO	75.00	
176.00	VOL	FO	78.20	
177.00	VOL	FO	89.90	
178.00	VOL	FO	192.00	
179.00	VOL	FO	49.10	
180.00	VOL	FO	8.30	
181.00	VOL	FO	3.27	
182.00	VOL	FO	1.37	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00	VOL	FO	1.73	
184.00	VOL	FO	0.98	
185.00	VOL	FO	0.53	
186.00	VOL	FO	1.35	
187.00	VOL	FO	0.80	
188.00	VOL	FO	1.17	
189.00	VOL	FO	53.30	
190.00	VOL	FO	0.00	
191.00	VOL	FO	11.20	
192.00	VOL	FO	0.16	
193.00	VOL	FO	0.09	
194.00	VOL	FO	0.71	
195.00	VOL	FO	23.50	
196.00	VOL	FO	58.20	
197.00	VOL	FO	68.40	
198.00	VOL	FO	35.40	
199.00	MBL		1.40	
200.00	MBL		1.86	
201.00	MBL		2.54	
202.00	MBL		0.89	
203.00	OX		0.75	
204.00	OX		0.00	
205.00	OX		0.45	
206.00	OX		0.47	
207.00	OX		0.25	
208.00	OX		0.00	
209.00	OX		0.00	
210.00	OX		0.18	
211.00	OX		0.67	
212.00	OX		0.18	
213.00	OX		0.27	
214.00	OX		0.49	
215.00	OX		0.00	
216.00	OX		0.42	
217.00	OX		0.36	
218.00	OX		0.16	
219.00	DOL	OX	0.86	
220.00	DOL	OX	0.36	
221.00	DOL	OX	0.60	
222.00	DOL	OX	0.49	
223.00	DOL	OX	0.16	
224.00	DOL	OX	0.84	
225.00	DOL	OX	0.45	
226.00	MBL	VOL	0.09	
227.00	MBL	VOL	0.56	
228.00	MBL	VOL	1.29	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
229.00	MBL	VOL	0.00	
230.00	MBL	VOL	0.00	
231.00	MBL	VOL	0.12	
232.00	MBL	VOL	0.00	
233.00	MBL	VOL	0.07	
234.00	MBL	VOL	0.31	
235.00	MBL	VOL	0.00	
236.00	MBL	VOL	0.00	
237.00	LEP	OX	0.67	
238.00	LEP	OX	0.93	
239.00	LEP	OX	1.17	
240.00	LEP	OX	0.58	
241.00	LEP	OX	1.48	
242.00	LEP	OX	0.82	
243.00	LEP	OX	1.66	
244.00	OX		0.27	
245.00	OX		0.25	
246.00	Qz		0.67	
247.00	Qz		0.01	
248.00	MX		0.45	
249.00	MX		0.00	
250.00	MX		0.00	

DENSITY LOG

HOLE: Rau-10-105

Depth (m)	Unit	Modifier	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
			Py %	As %	Other	%							
7.22	LST	FOS						15.2	6.1	1224.2	776.5	2.79	2.73
33.75	LST	FOS						14.7	6.1	1160.1	731.8	2.73	2.71
53.02	VOL	AM						14.6	6.1	1186.7	759.2	2.81	2.78
79.90	VOL	AM						15.1	6.1	1219.5	777.4	2.79	2.76
106.28	LST							15.1	6.1	1199.9	756.5	2.75	2.71
116.38	LST				Po	t		12.7	6.1	1039.0	667.6	2.83	2.80
169.86	VOL							12.6	5.0	690.0	443.0	2.75	2.79
190.08	VOL	AM						14.8	5.0	846.0	551.1	2.87	2.87

BOX LOG

HOLE: Rau-10-105

BOX	FROM (m)	TO (m)
1	2.65	5.87
2	5.87	9.65
3	9.65	13.10
4	13.10	16.57
5	16.57	20.38
6	20.38	24.06
7	24.06	28.04
8	28.04	31.79
9	31.79	35.96
10	35.96	40.23
11	40.23	44.07
12	44.07	47.85
13	47.85	51.76
14	51.76	55.47
15	55.47	59.31
16	59.31	62.94
17	62.94	66.78
18	66.78	70.55
19	70.55	74.26
20	74.26	78.00
21	78.00	82.07
22	82.07	85.95
23	85.95	90.11
24	90.11	94.00
25	94.00	97.80
26	97.80	101.83
27	101.83	106.02
28	106.02	110.34
29	110.34	114.03
30	114.03	116.43
31	116.43	121.70
32	121.70	126.34
33	126.34	131.67
34	131.67	136.58
35	136.58	141.49
36	141.49	146.91
37	146.91	152.39
38	152.39	157.44
39	157.44	162.95
40	162.95	169.03
41	169.03	174.45
42	174.45	179.95
43	179.95	185.78
44	185.78	190.73
45	190.73	196.20
46	196.20	201.45
47	201.45	206.70
48	206.70	212.90
49	212.90	218.11
50	218.11	224.64
51	224.64	229.83
52	229.83	238.71
53	238.71	245.97
54	245.97	250.55
250.55 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
10+000NW	09+834NE	528356	7118950	1236	523.65

ZONE: Tiger

SECTION: 10+000NW

HOLE: **Rau-10-106**

CLAIM:

Contractor: Superior

Drill: 2

Core size: NQ

Casing depth: 3 (m) in / out

Drilling dates: August 1-7, 2010

Geology logged by: E. Theissen

TARGET: Mineralization of the west side of the marble fault.

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	48	-80.0	compass	167.64	38	-81.9	Ranger
15.24	48	-80.9	Ranger	228.60	39	-82.0	Ranger
60.96	41	-81.1	Ranger	274.32	40	-82.4	Ranger
106.68	39	-81.6	Ranger	500.00	32	-83.1	Ranger

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	2.78	2.78	OVB	
2.78	26.30	23.52	VOL	Chlorite, Biotite, and Sericite altered.
26.30	34.17	7.87	MBL	with Sericitized zones.
34.17	111.86	77.69	LST	Trace Py and Po
111.86	132.00	20.14	LEP	
132.00	133.90	1.90	MST	
133.90	523.65	389.75	LST	DOL, SIL, sBX and cBX.

SAMPLES

Numbers: I076777-I076781, I076831-I076842, I076861-I076866

Total: 23

Batch: 64, 66

Date Sent: August 5, 10 2010

Certificate: VA10108986, VA10113693

COMMENTS

The hole was drilled on the west side of the fault that marks the marble contact to test the mineralized dolomite intersected in Rau-10-99. It did not intersect the mineralization.

GEOLOGY LOG

HOLE: Rau-10-106

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	Photo
0.00	2.78	2.78				OVB			Overburden - no recovery																		
2.78	26.30	23.52				VOL			Green to dark green weakly banded and locally graded lithic tuff to lapilli tuff, with secondary compaction and a weak calcite fluid influx. Compositional and weakly graded beds occur in layers from 1 cm to meters in depth. Lithic fragments tend to be cryptic and often clear and argillaceous with colours ranging from white to pale green to clear and are subrounded to irregular-angular in a matrix of wispy mildly sericitized ash fragments. The unit contains abundant biotite and chlorite resulting in the deep green colouration. Primary or secondary nature of the micas are unknown. Secondary calcite occurs in rare veinlets as well as disseminated and replacing white cm-scale clasts, which may be altered phenocrysts. Some secondary calcite occur with fine biotite rims as well as euhedral pyrite. This core is very competent and rarely breaks along vein surfaces.							SER	w	t			Ch	i			x
									Graded compositional bedding.	FO	65																
									Calcite veins up to 1 cm.	VN	30	0	0.5														
			21.22	26.30	5.08	VOL		LP	This subunit is basal to the overall VOL, and is a deep-green coloured lithic lapilli tuff. Compositional bedding is common indicated by local sericitization. Lithic fragments occur up to a few cm and are rounded to irregular-angular and often argillaceous with ash and argillite in matrix. Black lithic fragments are quite magnetic with presumed high levels of magnetite. One 20 cm section exhibits inverse grading with respect to the DDH up direction.							SER	f	t			Ch	i	Mg	t	x
									Interfingering of VOL-LP-tuff with white marble that has sharp but irregular contacts	LCN																	
									Bedding	BD	60																
26.30	34.17	7.87				MBL			White to light brown fine grained marble with black dissolution-like seams and sericitized portions. Secondary calcite and pyrrhotite are disseminated throughout.											SER	m		w				

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			26.30	30.65	4.35	MBL			White to light grey fine-marble with abundant black sinuous anastamosing silty-organic dissolution residuum. An irregular intruding grey calcite occurs in small veinlets.																		
			30.65	34.17	3.52	MBL			White to light brown irregular interfingerings of marble and sericitized aphanitic material. Pyrrhotite commonly occurs with grey calcite in disseminations throughout the subunit. This portion due to its character and basal location to the VOL could be the onset of carbonate mud and early ash fall inter mixing before the later larger events occur and marbleize the carbonate.									SER	ms			w					
									Weak FO, undulating contacts interfingering of white marble and sericitized rock all define the foliation.	FO	50																
34.17	111.86	77.69				LST			Grey mottled to banded weakly to strongly bioturbated lime-mudstone with minor interbeds of crinoidal wackestones. Minor secondary pyrrhotite and pyrite and grey calcite occur in episodic disseminations and bands, and small portions of marbleization occur as well. Allochems within the lime-mudstone are mostly crinoid ossicles and minor brachiopod shells and rugosan fragments. Weakly bioturbated portions have irregular interbeds of grey to light grey lime-mud. Intensely bioturbated portions are homogeneous lime-mud with no primary structures. Crinoidal wackestones occur up to 5 cm thick and non-graded, likely small tempestite deposits.														t		t					x
									Weak undulating bedding.	FO	40																
			78.36	111.86	33.50	LST	MBL		Grey bioturbated lime-mudstone with common sections of lighter coloured marblized LST as well as cBx and minor sBx textures. cBx has anastamosing black organic material in thin irregular patterns occurring more proximal to the lower contact. Fossils are cryptic to non-existent. Calcite veining increases within this subunit and is associated with quartz and minor rusty-staining.									MBL	f								
									Cryptic banding.	FO	40																
									Qz-Ca 0.3 cm - 5 cm wide.	VN	30	180	1														

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other				Other		Other			
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
111.86	132.00	20.14				LEP	VOL		Brown to dark grey spotted to foliated calcite flooded leopard unit. The brown leopard occurs at the upper and lower contacts and has more brown biotite as well as interfingerings with grey argillaceous material.																		
									Biotite foliation	FO	65																
									Calcite with bedding and often irregular, and minor rusty staining.	VN	50	0	1														
			117.50						Gradational into black mudstone.	FT																	
132.00	133.90	1.90				MST			Black carbonaceous non-banded mudstone. This unit has fine-grained disseminated pyrite and vein bounded pyrite. Veins are coarse-calcite and occur from 1 mm to 10 cm with associated pyrite and sphalerite. Mudstone may be tectonically brecciated where veining has persisted, and a resulting weak calcareous matrix occurs.	LCN											w			Sp	t			x
									Calcite, pyrite, sphalerite veins usually in 1 mm but may be 10 cm wide.	VN	50		5														
133.90	523.65	389.75				LST	DOL		Grey to light grey solution and crackle breccia limestone with carbonaceous infill and secondary pervasive dolomitization. cBx occurs with 1 mm-scale multiple fractures and black to dark-grey infill. Minor broken up primary mud beds remain and are less than 1 cm thick. Minor late quartz-calcite veins occur. The late dolomitization makes for a slightly 'fuzzy' appearance of textures. The cBx overprints the sBx thoroughly , and small sections of black mudstone occur. Trace to weak Py and local trace Po and Sp. Have VOL interzones and local decrease in DOL. Intervals of medium grey DOL sBX LST more common down interval.					i		t		SIL	m	t		t	Sp	t			
																		MBL	f									
									Qz-Ca coarse, less than 1 cm wide	VN	30		1															
			252.17	253.31	1.14	LST	FLT	RBL	Medium grey LST, very rubbly, clasts < 4 cm long. Orange brown to pink surficial OX on FX. Some clasts of MG Ca VT, with LST clasts < 1 cm diameter as mBX within. Possible FLT.							w												

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			242.00	245.32	3.32	LST	sBX		Fresh to slightly overprinted sBX of light grey moderately MBL and strongly SIL LST by dark grey LST. Locally clasts are dark grey and matrix is light grey. Increased Py content, FG, brassy in stringers preferentially located within dark grey layers.									SIL	s	w							
																		MBL	m								
			265.88	267.36	1.48	LST	FLT	RBL	Medium grey LST, very rubbly with bright orange to pink OX on FX. Possible FLT.							w										
			269.11	270.21	1.10	LST			Dark grey, irregular FO, FG LST, with FG Py as brassy layers following FO.										f							
			274.22	279.42	5.20	LST	FLT	RBL	Light grey, intensely cBX, strongly MBL and SIL LST. Orange brown alteration on FX and pervasive through zones <20 cm. Very broken. Low angle TCA Ca VN's ~ 2 cm wide locally display slickenslides. Last 40 cm of interval is gouge.							t		MBL	s								
																		SIL	s								
			298.34	299.00	0.66	LST	RBL		< 3 cm subrounded LST rubble with yellow and pink OX on surfaces. Ca VT on either side of rubble are vuggy and have sugary texture.							w										
			316.15	321.32	5.17	LST	sBX		Light to dark grey sBX LST with Ca spotting in zones (weak MBL) and weak to intense cBX. Increased Py as FG to MG bright brassy "splashy" Py and disseminated, generally near DOL/Ca VT and VN.										w								
			367.30	369.25	1.95	LST	FLT		Red purple HEM alteration on FX surfaces and in patches. Ca VN 15 cm wide, very broken core, rubble to grit. LST is medium grey, moderate strong DOL altered.					ms				HEM	w								
			386.44	390.69	4.25	LEP	VOL		Red brown and white Ca rich VOL tuff "LEP" with SER alteration in layers, interzoned with purple grey to dark grey FG VOL and weakly calcareous in zones. Moderately disseminated Py layers occur preferentially in FG VOL zones, following FO which is irregular (generally ~ 65 degrees). Py is FG, brassy, trace in LEP as disseminations and blebs. Upper and lower contacts are sharp and irregular.	FO	65							SER	f	w							

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			410.66	424.63	13.97	VOL			Medium grey to grey brown, weak to strong SER VOL. Brown likely due to moderate strong BIO. Interlayering of FG irregular FO VOL, non-calcareous, with strongly calcareous brown and grey mottled zones (LEP?). uCN gradational, with LST layers and clasts for first 3 m. lCN transitions into dark grey FG LST. Interval magnetic, with increased Py and Mg in calcareous patches. Fair FG to MG brassy Py disseminated, in layers and patches. Gradational zone with LST has moderate strong Py.										f		t	Mg	t			
			445.04	447.11	2.07	LST	mBX		Medium grey intense cBX moderate strong DOL LST, mBX by Ca/DOL veins up to 20 cm wide. Trace Sp.	VN	35			ms									Sp	t			
			468.30	468.36	0.06	VN			Bismuthinite in Ca VN. ~ 2 cm wide.	VN	20												Bs	t			
			482.92	482.96	0.04	VN			CG DOL/Qz VT with light bing DOL. MG Py disseminated within. VT located in dark grey LST.	VN	55																
			506.46	507.56	1.10	LST	MBL		Upper contact consists of medium grained, strongly MBL LST. Upper part of contact gradational to LST. Lower contact sharp.									MBL	i	w								
			507.56	519.00	11.44	LST	VOL		White to medium grey, intense DOL LST intermixed with fair BIO and SER VOL layers. Approximately 60% LST and 40% VOL. FO within DOL LST defined by faint banding. 1 cm wide Qz/Ca VN through interval, with Cl and Tc associated. Fair Po and weak Py disseminated and in VN and VN rims. lCN gradational into FO sBX DOL LSTwhich continues until E.O.H. Po mineralization continues .	FO	60			i				BIO	f	w		f	Cl	w	Tc	t	
										FO	40							SER	f								
			516.37	517.42	1.05	SHL			Black shale, with banding defined by lighter more calcareous layers. Weak Po in Ca VN.	FO	55									t		w					
										VN	25	180															
									523.65 m: E.O.H. - Hole ended because it was passed target depth.																			

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-106

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
19.00	21.22	2.22	VOL		2.15	97	I076777	64	<0.01	0.15	1	0.15	
21.22	24.00	2.78	VOL	LP	2.77	100	I076778	64	<0.01	0.07	4	0.69	
41.00	44.00	3.00	LST		3.00	100	I076779	64	<0.01	0.11	32	1.32	
44.00	47.00	3.00	LST		3.00	100	I076780	64	<0.01	0.07	9	0.47	
47.00	50.00	3.00	LST		3.00	100	I076781	64	<0.01	0.05	9	0.54	
386.44	389.00	2.56	VOL		2.56	100	I076831	66	<0.01	0.30	30	0.11	Break in sequence
389.00	390.69	1.69	VOL		1.69	100	I076832	66	<0.01	0.11	33	0.08	
409.00	410.66	1.66	LST		1.66	100	I076833	66	<0.01	0.15	21	0.43	
410.66	413.52	2.86	VOL		2.77	97	I076834	66	0.03	0.32	29	3.02	
413.52	416.00	2.48	VOL		2.48	100	I076835	66	<0.01	0.06	52	0.80	
416.00	419.00	3.00	VOL		3.00	100	I076837	66	0.01	0.05	49	0.26	
419.00	422.00	3.00	VOL		3.00	100	I076838	66	<0.01	0.06	25	1.20	
422.00	424.63	2.63	VOL		2.63	100	I076839	66	<0.01	0.07	7	1.85	
424.63	426.11	1.48	LST		1.47	99	I076840	66	<0.01	0.15	27	2.19	
482.00	485.00	3.00	LST		3.00	100	I076841	66	<0.01	0.40	70	2.26	
505.36	507.56	2.20	LST	MBL	2.20	100	I076861	66	<0.01	0.04	14	0.45	Break in sequence
507.56	509.56	2.00	LST	VOL	1.95	98	I076862	66	<0.01	0.46	14	0.88	
509.56	512.56	3.00	LST	VOL	3.00	100	I076863	66	<0.01	0.25	18	0.89	
512.56	515.56	3.00	LST	VOL	3.00	100	I076864	66	<0.01	0.81	26	1.27	
515.56	518.56	3.00	LST	VOL	3.00	100	I076865	66	<0.01	0.24	18	1.24	
518.56	520.60	2.04	LST	VOL	2.04	100	I076866	66	<0.01	0.05	10	0.13	
-	-	-	-	-	-	-	I076836	66	<0.01	0.01	<5	0.02	Blank (NQ)
482.00	485.00	3.00	LST		3.00	100	I076842	66	0.01	0.24	66	1.97	Duplicate

GEOTECHNICAL LOG

HOLE: Rau-10-106

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
2.78	5.49	2.71	2.67	99	2.18	80	MS	FR		
5.49	8.53	3.04	2.87	94	1.73	57	MS	FR		
8.53	11.58	3.05	2.95	97	2.51	82	MS	FR		
11.58	14.63	3.05	2.90	95	2.50	82	MS	FR		
14.63	17.68	3.05	3.05	100	2.74	90	MS	FR		
17.68	20.73	3.05	2.98	98	2.91	95	MS	FR		
20.73	23.77	3.04	2.97	98	2.24	74	MS	SW		
23.77	26.82	3.05	3.00	98	2.23	73	MS	SW		
26.82	29.87	3.05	2.96	97	1.80	59	MS	SW		
29.87	32.92	3.05	2.97	97	2.32	76	MS	SW		
32.92	35.97	3.05	2.93	96	1.49	49	MS	SW		
35.97	39.01	3.04	3.00	99	2.38	78	MS	SW		
39.01	42.06	3.05	3.05	100	1.74	57	MS	SW		
42.06	45.11	3.05	3.01	99	2.89	95	MS	SW		
45.11	48.16	3.05	3.02	99	2.94	96	MS	SW		
48.16	51.21	3.05	2.98	98	2.84	93	MS	SW		
51.21	54.25	3.04	2.84	93	2.54	84	MS	SW		
54.25	57.30	3.05	2.98	98	2.68	88	MS	SW		
57.30	60.35	3.05	3.04	100	1.95	64	MS	SW		
60.35	63.40	3.05	2.98	98	2.59	85	MS	SW		
63.40	66.45	3.05	3.00	98	2.72	89	MS	SW		
66.45	69.49	3.04	2.91	96	2.64	87	MS	FR		
69.49	72.54	3.05	3.04	100	2.82	92	MS	FR		
72.54	75.59	3.05	2.99	98	2.71	89	MS	FR		
75.59	78.64	3.05	3.01	99	2.84	93	MS	FR		
78.64	81.69	3.05	3.01	99	2.85	93	MS	FR		
81.69	84.73	3.04	2.98	98	2.86	94	MS	FR		
84.73	87.78	3.05	3.00	98	2.80	92	MS	FR		
87.78	90.83	3.05	3.01	99	3.02	99	MS	FR		
90.83	93.88	3.05	2.95	97	2.32	76	MS	FR		
93.88	96.93	3.05	2.98	98	2.18	71	MS	FR		
96.93	99.97	3.04	2.91	96	2.41	79	MS	FR		
99.97	103.02	3.05	3.02	99	2.81	92	MS	FR		
103.02	106.07	3.05	3.05	100	3.05	100	MS	FR		
106.07	109.12	3.05	3.01	99	2.80	92	MS	FR		
109.12	112.17	3.05	2.96	97	2.39	78	MS	FR		
112.17	115.21	3.04	2.89	95	2.36	78	MS	FR		
115.21	118.26	3.05	2.83	93	1.56	51	MS	SW		
118.26	121.31	3.05	2.86	94	1.26	41	MS	SW		
121.31	124.36	3.05	2.80	92	1.83	60	MS	SW		
124.36	127.41	3.05	2.88	94	1.66	54	MS	SW		
127.41	130.45	3.04	2.82	93	2.38	78	MS	SW		
130.45	133.50	3.05	3.03	99	1.65	54	MS	SW		
133.50	136.55	3.05	3.05	100	2.07	68	MS	SW		
136.55	139.60	3.05	2.43	80	1.78	58	MS	SW		
139.60	142.65	3.05	3.02	99	2.94	96	MS	SW		
142.65	145.69	3.04	3.02	99	1.95	64	MS	FR		
145.69	148.74	3.05	3.05	100	1.70	56	MS	FR		
148.74	151.79	3.05	3.00	98	0.70	23	MS	FR		
151.79	154.84	3.05	2.49	82	1.00	33	MS	FR		
154.84	157.89	3.05	2.98	98	1.41	46	MS	FR		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
157.89	160.92	3.03	2.99	99	2.35	78	MS	FR		
160.92	163.98	3.06	3.01	98	2.65	87	MS	FR		
163.98	167.03	3.05	3.05	100	2.90	95	MS	FR		
167.03	170.08	3.05	3.01	99	2.91	95	MS	FR		
170.08	173.13	3.05	3.05	100	2.92	96	MS	FR		
173.13	176.17	3.04	3.02	99	2.58	85	MS	FR		
176.17	179.22	3.05	3.05	100	2.87	94	MS	FR		
179.22	182.27	3.05	3.05	100	2.72	89	MS	FR		
182.27	185.32	3.05	2.93	96	2.48	81	MS	FR		
185.32	188.37	3.05	3.04	100	1.76	58	MS	FR		
188.37	191.41	3.04	2.99	98	2.73	90	MS	FR		
191.41	194.46	3.05	3.05	100	2.80	92	MS	FR		
194.46	197.51	3.05	3.05	100	2.91	95	MS	FR		
197.51	200.58	3.07	3.05	99	2.66	87	MS	FR		
200.58	203.61	3.03	2.56	84	1.19	39	MS	FR		
203.61	206.65	3.04	2.65	87	1.12	37	MS	FR		
206.65	209.70	3.05	3.00	98	1.65	54	MS	FR		
209.70	212.75	3.05	3.05	100	2.23	73	MS	FR		
212.75	215.80	3.05	2.86	94	1.66	54	MS	FR		
215.80	218.85	3.05	3.03	99	2.05	67	MS	FR		
218.85	221.89	3.04	2.92	96	2.62	86	MS	FR		
221.89	224.94	3.05	3.05	100	2.02	66	MS	FR		
224.94	227.99	3.05	3.05	100	2.13	70	MS	FR		
227.99	231.04	3.05	3.00	98	1.65	54	MS	FR		
231.04	234.09	3.05	3.05	100	2.04	67	MS	FR		
234.09	237.13	3.04	3.04	100	0.94	31	MS	FR		
237.13	240.18	3.05	3.05	100	2.73	90	MS	FR		
240.18	243.23	3.05	2.65	87	2.40	79	MS	FR		
243.23	246.28	3.05	3.05	100	2.79	91	MS	FR		
246.28	249.33	3.05	2.80	92	1.88	62	MS	FR		
249.33	252.37	3.04	3.04	100	2.15	71	MS	FR		
252.37	255.42	3.05	2.67	88	1.58	52	MS	SW		1/2 a run of rubble
255.42	258.47	3.05	3.05	100	2.29	75	MS	FR		
258.47	261.52	3.05	3.05	100	2.04	67	MS	FR		
261.52	264.57	3.05	2.97	97	1.63	53	MS	FR		
264.57	267.61	3.04	2.71	89	0.42	14	MS	SW		
267.61	270.66	3.05	3.03	99	1.65	54	MS	FR		
270.66	273.71	3.05	3.05	100	2.20	72	MS	FR		
273.71	276.76	3.05	2.99	98	1.00	33	W	SW		
276.76	279.81	3.05	2.66	87	0.44	14	W	SW		
279.81	282.85	3.04	3.04	100	3.02	99	MS	FR		
282.85	285.90	3.05	3.05	100	2.90	95	MS	FR		
285.90	288.95	3.05	3.01	99	1.98	65	MS	FR		
288.95	292.00	3.05	3.05	100	1.90	62	MS	FR		
292.00	295.05	3.05	3.05	100	2.49	82	MS	FR		
295.05	298.09	3.04	3.04	100	2.66	88	MS	FR		
298.09	301.14	3.05	2.81	92	1.49	49	MS	SW		1/2 an interval of weak rubble
301.14	304.19	3.05	3.01	99	2.02	66	MS	FR		
304.19	307.24	3.05	3.05	100	2.18	71	MS	FR		
307.24	310.29	3.05	3.05	100	3.05	100	MS	FR		
310.29	313.33	3.04	3.05	100	3.05	100	MS	FR		
313.33	316.38	3.05	2.96	97	2.52	83	MS	FR		
316.38	319.43	3.05	3.03	99	2.59	85	MS	FR		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
319.43	322.48	3.05	3.05	100	2.96	97	MS	FR		
322.48	325.53	3.05	3.05	100	2.94	96	MS	FR		
325.53	328.57	3.04	3.04	100	2.94	97	MS	FR		
328.57	331.62	3.05	3.05	100	3.05	100	MS	FR		
331.62	334.67	3.05	3.05	100	2.97	97	MS	FR		
334.67	337.72	3.05	3.02	99	2.00	66	MS	FR		
337.72	340.77	3.05	3.05	100	2.93	96	MS	FR		
340.77	343.81	3.04	3.04	100	2.64	87	MS	FR		
343.81	346.86	3.05	3.05	100	1.95	64	MS	FR		
346.86	349.91	3.05	2.80	92	0.52	17	MS	FR		
349.91	352.97	3.05	3.05	100	0.25	8	MS	FR		
352.97	356.01	3.05	2.95	97	1.95	64	MS	FR		
356.01	359.05	3.04	2.99	98	2.00	66	MS	FR		
359.05	362.10	3.05	3.02	99	2.79	91	MS	FR		
362.10	365.15	3.05	3.05	100	1.19	39	MS	FR		
365.15	368.20	3.05	3.05	100	0.73	24	MS	FR		
368.20	371.25	3.05	3.05	100	0.35	11	MS	FR		
371.25	374.29	3.04	2.95	97	1.42	47	MS	FR		
374.29	377.34	3.05	3.05	100	0.78	26	MS	FR		
377.34	380.39	3.05	3.05	100	2.33	76	MS	FR		
380.39	383.44	3.05	3.05	100	2.02	66	MS	FR		
383.44	386.49	3.05	2.90	95	2.04	67	MS	FR		
386.49	389.53	3.04	3.04	100	2.46	81	MS	FR		
389.53	392.58	3.05	2.95	97	1.75	57	MS	FR		
392.58	395.63	3.05	3.00	98	0.86	28	MS	FR		
395.63	398.68	3.05	2.55	84	0.73	24	MS	FR		
398.68	401.73	3.05	3.05	100	2.71	89	MS	FR		
401.73	404.77	3.04	2.95	97	2.90	95	MS	FR		
404.77	407.82	3.05	3.00	98	2.90	95	MS	FR		
407.82	410.87	3.05	3.05	100	2.76	90	MS	FR		
410.87	413.92	3.05	2.95	97	2.71	89	MS	FR		
413.92	416.97	3.05	3.05	100	2.11	69	MS	FR		
416.97	420.01	3.04	3.04	100	2.57	85	MS	FR		
420.01	423.06	3.05	3.05	100	2.65	87	MS	FR		
423.06	426.11	3.05	3.05	100	2.82	92	MS	FR		
426.11	429.16	3.05	3.00	98	2.66	87	MS	FR		
429.16	432.21	3.05	3.05	100	3.05	100	MS	FR		
432.21	435.25	3.04	3.04	100	2.51	83	MS	FR		
435.25	438.30	3.05	3.03	99	2.71	89	MS	FR		
438.30	441.35	3.05	3.05	100	2.62	86	MS	FR		
441.35	444.40	3.05	2.90	95	2.21	72	MS	FR		
444.40	447.45	3.05	2.96	97	1.73	57	MS	FR		
447.45	450.49	3.04	3.05	100	2.71	89	MS	FR		
450.49	453.54	3.05	3.01	99	1.75	57	MS	FR		
453.54	456.59	3.05	3.05	100	2.50	82	MS	FR		
456.59	459.64	3.05	3.00	98	2.76	90	MS	FR		
459.64	462.69	3.05	3.05	100	2.55	84	MS	FR		
462.69	465.73	3.04	2.99	98	2.85	94	MS	FR		
465.73	468.78	3.05	3.05	100	2.78	91	MS	FR		
468.78	471.83	3.05	3.05	100	2.64	87	MS	FR		
471.83	474.88	3.05	2.98	98	2.54	83	MS	FR		
474.88	477.93	3.05	3.04	100	2.85	93	MS	FR		
477.93	480.97	3.04	3.00	99	2.94	97	MS	FR		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
480.97	484.02	3.05	3.04	100	2.82	92	MS	FR		
484.02	487.08	3.06	3.05	100	2.80	92	MS	FR		
487.08	490.12	3.04	2.95	97	2.61	86	MS	FR		
490.12	493.17	3.05	3.04	100	2.15	70	MS	FR		
493.17	496.21	3.04	3.04	100	2.15	71	MS	FR		
496.21	499.26	3.05	2.93	96	2.17	71	MS	FR		
499.26	502.31	3.05	3.05	100	2.07	68	MS	FR		
502.31	505.36	3.05	3.05	100	2.51	82	MS	FR		
505.36	508.41	3.05	3.05	100	2.27	74	MS	FR		
508.41	511.45	3.04	3.04	100	2.38	78	MS	FR		
511.45	514.50	3.05	3.05	100	2.96	97	MS	FR		
514.50	517.55	3.05	3.03	99	2.94	96	MS	FR		
517.55	520.60	3.05	3.05	100	2.98	98	MS	FR		
520.60	523.65	3.05	3.05	100	2.99	98	MS	FR		

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-106

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	OVB		N/A	
2.00	OVB		N/A	
3.00	VOL		0.32	
4.00	VOL		3.12	
5.00	VOL		1.46	
6.00	VOL		1.06	
7.00	VOL		1.22	
8.00	VOL		0.47	
9.00	VOL		1.53	
10.00	VOL		1.00	
11.00	VOL		0.78	
12.00	VOL		0.45	
13.00	VOL		0.12	
14.00	VOL		0.00	
15.00	VOL		1.35	
16.00	VOL		0.14	
17.00	VOL		0.38	
18.00	VOL		1.00	
19.00	VOL		0.87	
20.00	VOL		0.75	
21.00	VOL		2.14	
22.00	VOL		239.00	
23.00	VOL		158.00	
24.00	VOL		124.00	
25.00	VOL		50.10	
26.00	VOL		30.90	
27.00	MBL		0.75	
28.00	MBL		1.13	
29.00	MBL		0.53	
30.00	MBL		0.56	
31.00	MBL		1.51	
32.00	MBL		1.95	
33.00	MBL		1.92	
34.00	MBL		1.06	
35.00	LST		0.82	
36.00	LST		0.69	
37.00	LST		1.20	
38.00	LST		1.81	
39.00	LST		1.39	
40.00	LST		1.04	
41.00	LST		2.48	
42.00	LST		1.33	
43.00	LST		0.82	
44.00	LST		2.14	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	LST		1.62	
46.00	LST		1.70	
47.00	LST		..16	
48.00	LST		1.00	
49.00	LST		2.08	
50.00	LST		0.51	
51.00	LST		1.13	
52.00	LST		2.34	
53.00	LST		1.09	
54.00	LST		0.53	
55.00	LST		2.83	
56.00	LST		0.53	
57.00	LST		1.46	
58.00	LST		0.53	
59.00	LST		1.02	
60.00	LST		0.00	
61.00	LST		1.40	
62.00	LST		1.57	
63.00	LST		2.06	
64.00	LST		1.24	
65.00	LST		1.35	
66.00	LST		0.65	
67.00	LST		0.49	
68.00	LST		1.13	
69.00	LST		0.36	
70.00	LST		1.72	
71.00	LST		0.86	
72.00	LST		0.98	
73.00	LST		0.51	
74.00	LST		0.00	
75.00	LST		1.97	
76.00	LST		1.46	
77.00	LST		1.33	
78.00	LST		0.95	
79.00	LST	MBL	1.15	
80.00	LST	MBL	1.06	
81.00	LST	MBL	0.71	
82.00	LST	MBL	0.00	
83.00	LST	MBL	0.82	
84.00	LST	MBL	0.00	
85.00	LST	MBL	2.78	
86.00	LST	MBL	0.00	
87.00	LST	MBL	0.67	
88.00	LST	MBL	1.07	
89.00	LST	MBL	0.82	
90.00	LST	MBL	1.26	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	LST	MBL	0.00	
92.00	LST	MBL	0.00	
93.00	LST	MBL	1.92	
94.00	LST	MBL	1.15	
95.00	LST	MBL	0.34	
96.00	LST	MBL	0.01	
97.00	LST	MBL	0.00	
98.00	LST	MBL	1.53	
99.00	LST	MBL	0.00	
100.00	LST	MBL	0.00	
101.00	LST	MBL	1.26	
102.00	LST	MBL	1.93	
103.00	LST	MBL	0.73	
104.00	LST	MBL	3.27	
105.00	LST	MBL	1.22	
106.00	LST	MBL	0.00	
107.00	LST	MBL	0.00	
108.00	LST	MBL	1.99	
109.00	LST	MBL	0.00	
110.00	LST	MBL	0.69	
111.00	LST	MBL	1.93	
112.00	LEP	VOL	0.00	
113.00	LEP	VOL	0.20	
114.00	LEP	VOL	1.70	
115.00	LEP	VOL	2.26	
116.00	LEP	VOL	1.66	
117.00	LEP	VOL	0.62	
118.00	LEP	VOL	0.00	
119.00	LEP	VOL	0.58	
120.00	LEP	VOL	1.93	
121.00	LEP	VOL	0.69	
122.00	LEP	VOL	0.32	
123.00	LEP	VOL	0.91	
124.00	LEP	VOL	0.00	
125.00	LEP	VOL	0.84	
126.00	LEP	VOL	1.11	
127.00	LEP	VOL	0.64	
128.00	LEP	VOL	1.33	
129.00	LEP	VOL	1.35	
130.00	LEP	VOL	0.56	
131.00	LEP	VOL	1.09	
132.00	LEP	VOL	0.00	
133.00	MST		0.00	
134.00	LST	SIL	0.87	
135.00	LST	SIL	0.87	
136.00	LST	SIL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	LST	SIL	0.62	
138.00	LST	SIL	0.62	
139.00	LST	SIL	0.12	
140.00	LST	SIL	1.02	
141.00	LST	SIL	0.40	
142.00	LST	SIL	0.89	
143.00	LST	SIL	0.58	
144.00	LST	SIL	0.91	
145.00	LST	SIL	0.07	
146.00	LST	SIL	0.57	
147.00	LST	SIL	0.55	
148.00	LST	SIL	0.61	
149.00	LST	SIL	0.36	
150.00	LST	SIL	1.53	
151.00	LST	SIL	0.00	
152.00	LST	SIL	0.22	
153.00	LST	SIL	0.41	
154.00	LST	SIL	0.59	
155.00	LST	SIL	0.77	
156.00	LST	SIL	0.00	
157.00	LST	SIL	1.72	
158.00	LST	SIL	0.00	
159.00	LST	SIL	1.41	
160.00	LST	SIL	0.00	
161.00	LST	SIL	4.38	
162.00	LST	SIL	0.00	
163.00	LST	SIL	1.31	
164.00	LST	SIL	0.32	
165.00	LST	SIL	0.00	
166.00	LST	SIL	0.06	
167.00	LST	SIL	1.00	
168.00	LST	SIL	0.67	
169.00	LST	SIL	0.73	
170.00	LST	SIL	0.49	
171.00	LST	SIL	0.43	
172.00	LST	SIL	0.34	
173.00	LST	SIL	0.59	
174.00	LST	SIL	2.02	
175.00	LST	SIL	0.00	
176.00	LST	SIL	1.84	
177.00	LST	SIL	1.88	
178.00	LST	SIL	0.34	
179.00	LST	SIL	3.09	
180.00	LST	SIL	0.12	
181.00	LST	SIL	0.16	
182.00	LST	SIL	0.20	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00	LST	SIL	1.12	
184.00	LST	SIL	0.59	
185.00	LST	SIL	1.23	
186.00	LST	SIL	0.57	
187.00	LST	SIL	0.90	
188.00	LST	SIL	0.53	
189.00	LST	SIL	0.75	
190.00	LST	SIL	0.00	
191.00	LST	SIL	1.29	
192.00	LST	SIL	0.00	
193.00	LST	SIL	2.33	
194.00	LST	SIL	0.88	
195.00	LST	SIL	0.00	
196.00	LST	SIL	2.52	
197.00	LST	SIL	0.26	
198.00	LST	SIL	0.49	
199.00	LST	SIL	0.00	
200.00	LST	SIL	0.90	
201.00	LST	SIL	0.00	
202.00	LST	SIL	0.67	
203.00	LST	SIL	0.47	
204.00	LST	SIL	0.00	
205.00	LST	SIL	0.79	
206.00	LST	SIL	0.92	
207.00	LST	SIL	0.86	
208.00	LST	SIL	0.41	
209.00	LST	SIL	0.61	
210.00	LST	SIL	0.41	
211.00	LST	SIL	0.53	
212.00	LST	SIL	0.45	
213.00	LST	SIL	0.00	
214.00	LST	SIL	0.00	
215.00	LST	SIL	0.63	
216.00	LST	SIL	0.61	
217.00	LST	SIL	1.29	
218.00	LST	SIL	1.86	
219.00	LST	SIL	0.20	
220.00	LST	SIL	2.43	
221.00	LST	SIL	0.00	
222.00	LST	SIL	0.08	
223.00	LST	SIL	0.55	
224.00	LST	SIL	0.38	
225.00	LST	SIL	1.51	
226.00	LST	SIL	0.69	
227.00	LST	SIL	0.00	
228.00	LST	SIL	0.26	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
229.00	LST	SIL	0.16	
230.00	LST	SIL	0.82	
231.00	LST	SIL	0.00	
232.00	LST	SIL	2.05	
233.00	LST	SIL	0.65	
234.00	LST	SIL	0.04	
235.00	LST	SIL	0.55	
236.00	LST	SIL	0.10	
237.00	LST	SIL	0.00	
238.00	LST	SIL	0.88	
239.00	LST	SIL	0.38	
240.00	LST	SIL	0.14	
241.00	LST	SIL	0.36	
242.00	LST	SBx	0.00	
243.00	LST	SBx	0.47	
244.00	LST	SBx	1.39	
245.00	LST	SBx	1.90	
246.00	LST	SIL	1.09	
247.00	LST	SIL	0.00	
248.00	LST	SIL	0.01	
249.00	LST	SIL	1.48	
250.00	LST	SIL	0.23	
251.00	LST	SIL	0.04	
252.00	LST	SIL	0.00	
253.00	LST	FLT	0.34	
254.00	LST	SIL	0.00	
255.00	LST	SIL	0.00	
256.00	LST	SIL	0.00	
257.00	LST	SIL	0.27	
258.00	LST	SIL	0.71	
259.00	LST	SIL	0.00	
260.00	LST	SIL	0.49	
261.00	LST	SIL	0.00	
262.00	LST	SIL	1.62	
263.00	LST	SIL	0.00	
264.00	LST	SIL	1.07	
265.00	LST	SIL	0.23	
266.00	LST	FLT	0.00	
267.00	LST	FLT	0.07	
268.00	LST	SIL	0.93	
269.00	LST	SIL	0.00	
270.00	LST	SIL	0.54	
271.00	LST	SIL	0.00	
272.00	LST	SIL	0.00	
273.00	LST	SIL	0.00	
274.00	LST	SIL	1.06	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
275.00	LST	FLT	0.16	
276.00	LST	FLT	0.00	
277.00	LST	FLT	0.03	
278.00	LST	FLT	0.00	
279.00	LST	FLT	0.00	
280.00	LST	SIL	0.00	
281.00	LST	SIL	1.86	
282.00	LST	SIL	1.66	
283.00	LST	SIL	0.00	
284.00	LST	SIL	0.47	
285.00	LST	SIL	0.00	
286.00	LST	SIL	1.02	
287.00	LST	SIL	0.00	
288.00	LST	SIL	0.56	
289.00	LST	SIL	1.29	
290.00	LST	SIL	0.00	
291.00	LST	SIL	1.02	
292.00	LST	SIL	0.00	
293.00	LST	SIL	2.08	
294.00	LST	SIL	0.00	
295.00	LST	SIL	0.10	
296.00	LST	SIL	0.69	
297.00	LST	SIL	0.12	
298.00	LST	SIL	0.00	
299.00	LST	RBL	0.42	
300.00	LST	SIL	0.76	
301.00	LST	SIL	0.10	
302.00	LST	SIL	0.43	
303.00	LST	SIL	0.00	
304.00	LST	SIL	1.37	
305.00	LST	SIL	0.53	
306.00	LST	SIL	0.00	
307.00	LST	SIL	0.29	
308.00	LST	SIL	2.94	
309.00	LST	SIL	0.84	
310.00	LST	SIL	0.20	
311.00	LST	SIL	0.04	
312.00	LST	SIL	0.08	
313.00	LST	SIL	0.03	
314.00	LST	SIL	0.73	
315.00	LST	SIL	0.47	
316.00	LST	SIL	0.20	
317.00	LST	SBx	0.42	
318.00	LST	SBx	0.00	
319.00	LST	SBx	0.16	
320.00	LST	SBx	0.34	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
321.00	LST	SBx	0.29	
322.00	LST	SIL	0.86	
323.00	LST	SIL	0.00	
324.00	LST	SIL	0.67	
325.00	LST	SIL	1.37	
326.00	LST	SIL	1.35	
327.00	LST	SIL	0.00	
328.00	LST	SIL	0.78	
329.00	LST	SIL	0.00	
330.00	LST	SIL	0.00	
331.00	LST	SIL	0.00	
332.00	LST	SIL	0.00	
333.00	LST	SIL	1.83	
334.00	LST	SIL	1.77	
335.00	LST	SIL	0.00	
336.00	LST	SIL	0.69	
337.00	LST	SIL	0.00	
338.00	LST	SIL	0.65	
339.00	LST	SIL	0.07	
340.00	LST	SIL	0.21	
341.00	LST	SIL	0.47	
342.00	LST	SIL	0.67	
343.00	LST	SIL	0.49	
344.00	LST	SIL	0.00	
345.00	LST	SIL	1.61	
346.00	LST	SIL	0.00	
347.00	LST	SIL	0.00	
348.00	LST	SIL	0.00	
349.00	LST	SIL	0.14	
350.00	LST	SIL	1.68	
351.00	LST	SIL	0.65	
352.00	LST	SIL	0.42	
353.00	LST	SIL	0.60	
354.00	LST	SIL	1.29	
355.00	LST	SIL	0.32	
356.00	LST	SIL	0.45	
357.00	LST	SIL	0.00	
358.00	LST	SIL	2.48	
359.00	LST	SIL	0.00	
360.00	LST	SIL	4.52	
361.00	LST	SIL	3.03	
362.00	LST	SIL	0.00	
363.00	LST	SIL	0.00	
364.00	LST	SIL	1.00	
365.00	LST	SIL	0.09	
366.00	LST	SIL	1.18	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
367.00	LST	SIL	0.16	
368.00	LST	FLT	0.40	
369.00	LST	FLT	0.36	
370.00	LST	SIL	0.00	
371.00	LST	SIL	0.00	
372.00	LST	SIL	0.40	
373.00	LST	SIL	1.57	
374.00	LST	SIL	0.14	
375.00	LST	SIL	0.00	
376.00	LST	SIL	1.24	
377.00	LST	SIL	0.00	
378.00	LST	SIL	0.07	
379.00	LST	SIL	1.02	
380.00	LST	SIL	2.14	
381.00	LST	SIL	0.73	
382.00	LST	SIL	0.78	
383.00	LST	SIL	0.00	
384.00	LST	SIL	1.46	
385.00	LST	SIL	1.59	
386.00	LST	SIL	1.22	
387.00	VOL		2.89	
388.00	VOL		2.10	
389.00	VOL		3.58	
390.00	VOL		0.00	
391.00	LST	SIL	0.00	
392.00	LST	SIL	0.00	
393.00	LST	SIL	2.12	
394.00	LST	SIL	0.00	
395.00	LST	SIL	0.00	
396.00	LST	SIL	1.48	
397.00	LST	SIL	0.60	
398.00	LST	SIL	0.87	
399.00	LST	SIL	1.40	
400.00	LST	SIL	2.34	
401.00	LST	SIL	0.58	
402.00	LST	SIL	2.63	
403.00	LST	SIL	0.00	
404.00	LST	SIL	0.00	
405.00	LST	SIL	2.03	
406.00	LST	SIL	0.47	
407.00	LST	SIL	0.93	
408.00	LST	SIL	1.62	
409.00	LST	SIL	3.12	
410.00	LST	SIL	4.83	
411.00	VOL		7.06	
412.00	VOL		11.50	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
413.00	VOL		10.80	
414.00	VOL		1.92	
415.00	VOL		4.77	
416.00	VOL		3.82	
417.00	VOL		1.81	
418.00	VOL		4.90	
419.00	VOL		4.50	
420.00	VOL		0.82	
421.00	VOL		2.43	
422.00	VOL		2.72	
423.00	VOL		4.41	
424.00	VOL		8.63	
425.00	LST	SIL	3.18	
426.00	LST	SIL	2.69	
427.00	LST	SIL	0.34	
428.00	LST	SIL	1.35	
429.00	LST	SIL	2.63	
430.00	LST	SIL	1.42	
431.00	LST	SIL	0.00	
432.00	LST	SIL	0.71	
433.00	LST	SIL	0.43	
434.00	LST	SIL	0.31	
435.00	LST	SIL	1.51	
436.00	LST	SIL	0.00	
437.00	LST	SIL	0.65	
438.00	LST	SIL	2.34	
439.00	LST	SIL	0.31	
440.00	LST	SIL	1.90	
441.00	LST	SIL	1.13	
442.00	LST	SIL	0.50	
443.00	LST	SIL	1.92	
444.00	LST	SIL	0.58	
445.00	LST	SIL	0.95	
446.00	LST	MBX	1.37	
447.00	LST	MBX	2.08	
448.00	LST	SIL	0.60	
449.00	LST	SIL	1.13	
450.00	LST	SIL	1.26	
451.00	LST	SIL	0.47	
452.00	LST	SIL	4.37	
453.00	LST	SIL	0.54	
454.00	LST	SIL	0.00	
455.00	LST	SIL	1.07	
456.00	LST	SIL	1.28	
457.00	LST	SIL	2.43	
458.00	LST	SIL	0.32	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
459.00	LST	SIL	1.29	
460.00	LST	SIL	0.65	
461.00	LST	SIL	0.98	
462.00	LST	SIL	2.36	
463.00	LST	SIL	0.71	
464.00	LST	SIL	1.51	
465.00	LST	SIL	1.35	
466.00	LST	SIL	1.86	
467.00	LST	SIL	2.52	
468.00	LST	SIL	1.33	
469.00	LST	SIL	1.42	
470.00	LST	SIL	1.37	
471.00	LST	SIL	1.04	
472.00	LST	SIL	0.73	
473.00	LST	SIL	1.99	
474.00	LST	SIL	0.00	
475.00	LST	SIL	0.00	
476.00	LST	SIL	17.10	
477.00	LST	SIL	1.13	
478.00	LST	SIL	0.29	
479.00	LST	SIL	2.08	
480.00	LST	SIL	0.78	
481.00	LST	SIL	1.70	
482.00	LST	SIL	1.46	
483.00	LST	SIL	0.75	
484.00	LST	SIL	0.00	
485.00	LST	SIL	1.88	
486.00	LST	SIL	0.00	
487.00	LST	SIL	2.56	
488.00	LST	SIL	5.43	
489.00	LST	SIL	0.00	
490.00	LST	SIL	0.10	
491.00	LST	SIL	1.42	
492.00	LST	SIL	0.60	
493.00	LST	SIL	0.64	
494.00	LST	SIL	1.31	
495.00	LST	SIL	0.00	
496.00	LST	SIL	1.93	
497.00	LST	SIL	1.02	
498.00	LST	SIL	0.00	
499.00	LST	SIL	0.93	
500.00	LST	SIL	4.77	
501.00	LST	SIL	0.32	
502.00	LST	SIL	9.47	
503.00	LST	SIL	4.68	
504.00	LST	SIL	3.14	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
505.00	LST	SIL	1.51	
506.00	LST	SIL	1.33	
507.00	LST	MBL	1.61	
508.00	LST	VOL	4.39	
509.00	LST	VOL	2.12	
510.00	LST	VOL	4.42	
511.00	LST	VOL	2.81	
512.00	LST	VOL	3.23	
513.00	LST	VOL	2.23	
514.00	LST	VOL	0.98	
515.00	LST	VOL	3.09	
516.00	LST	VOL	5.92	
517.00	SHL		9.86	
518.00	LST	VOL	8.52	
519.00	LST	VOL	2.32	
520.00	LST	SIL	0.34	
521.00	LST	SIL	0.00	
522.00	LST	SIL	0.69	
523.00	LST	SIL	0.00	

HOLE: Rau-10-106

Depth (m)	Unit	Modifier	MINERALS				Comments	Length (cm)
			Py %	As %	Other	%		
30.85	VOL		t					15.4
130.47	LEP		t					15.2
134.59	LST	DOL						14.8
223.60	LST	DOL						15.1
394.43	LST	DOL	w					15.9
440.00	LST	DOL	w					14.4
481.85	LST	DOL						15.4
521.93	LST	DOL						15.1

Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
5.0	860.4	550.5	2.81	2.78
5.0	872.6	567.8	2.88	2.86
5.0	843.8	536.7	2.86	2.75
5.0	858.8	553.9	2.86	2.82
5.0	908.9	593.8	2.87	2.88
5.0	851.1	565.1	2.97	2.98
5.0	869.3	566.0	2.84	2.87
5.0	842.7	541.1	2.80	2.79

BOX LOG

HOLE: Rau-10-106

BOX	FROM (m)	TO (m)
1	2.72	8.07
2	8.07	13.74
3	13.74	19.35
4	19.35	25.00
5	25.00	30.45
6	30.45	35.97
7	35.97	41.42
8	41.42	47.07
9	47.07	52.63
10	52.63	58.27
11	58.27	63.74
12	63.74	69.43
13	69.43	75.09
14	75.09	80.73
15	80.73	87.41
16	87.41	92.03
17	92.03	97.29
18	97.29	103.02
19	103.02	108.51
20	108.51	113.89
21	113.89	119.34
22	119.34	124.36
23	124.36	129.80
24	129.80	134.85
25	134.85	140.23
26	140.23	145.46
27	145.46	150.60
28	150.60	156.43
29	156.43	162.00
30	162.00	167.54
31	167.54	173.21
32	173.21	178.94
33	178.94	184.63
34	184.63	190.20
35	190.20	195.94
36	195.94	201.62
37	201.62	207.25
38	207.25	212.75
39	212.75	218.35
40	218.35	223.62
41	223.62	229.24
42	229.24	234.78
43	234.78	240.25
44	240.18	245.81
45	245.81	251.46
46	251.46	256.78
47	256.78	262.08
48	262.08	267.36
49	267.36	272.52
50	272.52	277.29
51	277.29	282.74
52	282.74	288.30
53	288.30	293.72
54	293.72	299.41
55	299.41	304.96
56	304.96	310.46
57	310.46	316.19
58	316.19	321.86
59	321.86	327.33
60	327.33	333.01
61	333.01	338.60
62	338.60	344.13
63	344.13	349.26
64	349.26	354.24
65	354.24	359.85
66	359.85	365.15
67	365.15	369.88
68	369.88	375.15
69	375.15	380.46
70	380.46	385.94
69	375.15	380.46
70	380.46	385.94
71	385.94	391.35
72	391.35	396.55
73	396.55	402.14
74	402.14	407.82
75	407.82	413.52
76	413.52	418.90
77	418.90	424.51
78	424.51	430.24
79	430.24	435.86
80	435.86	441.51
81	441.51	447.11
82	447.11	452.62
83	452.62	458.27
84	458.27	463.78
85	463.78	469.35
86	469.35	474.88
87	474.88	480.72
88	480.72	487.35
89	487.35	492.10
90	492.10	497.51
91	497.51	503.44
92	503.44	508.91
93	508.91	514.50
94	514.50	520.28
95	520.28	523.65
523.65 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
10+290NE	10+450NW	528423	7119567	1508	343.51

ZONE: Tiger

SECTION: 10+450NW

HOLE: Rau-10-107

CLAIM:

Contractor: Superior

Drill: 3

Core size: HQ, NQ

Casing depth: 3.05 m out

Drilling dates: August 5-13, 2010

Geology logged by: J. McDivitt, K. Unger

TARGET: Oxide Zone

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar			compass	252.07	227	-67.6	Ranger
130.15	228	-69.5	Ranger	313.03	229	-67.3	Ranger
160.63	226	-69.0	Ranger	328.27	229	-66.9	Ranger
206.35	226	-68.1	Ranger	343.50	229	-67.3	Ranger

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	2.88	2.88	OVB	
2.88	70.28	67.40	LST	Marbleized
70.28	85.63	15.35	LST	Fossiliferous
85.63	137.95	52.32	LST	Fossiliferous
137.95	140.93	2.98	MBL	
140.93	187.57	46.64	VOL, CGL	Conglomerate
187.57	188.53	0.96	MBL	
188.53	245.59	57.06	LST	
245.59	262.65	17.06	VOL, AM	Amygdaloidal
262.65	264.49	1.84	MBL	
264.49	296.12	31.63	LST	Oxidized
296.12	297.94	1.82	OX	
297.94	310.50	12.56	LEP	Oxidized
310.50	343.51	33.01	LST	Dolomized
343.51	E.O.H.			

SAMPLES

Numbers: I076887-I076934, I07647-I076958, I076984-I077002

Total: 48

Batch: 67, 68, 69, 70

Date Sent: August 13, 16, 17 2010

Certificate: VA10114593, VA10114597, VA10114595 VA10114596

COMMENTS

The hole was ended because it had passed the target depth. From 262.65 to 310.50 m, stong to intense OX alteration is present, at times appearing to exhibit textures that may be associated with a hydrothermal alteration front.

GEOLOGY LOG

HOLE: Rau-10-107

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								PHOTO
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	2.88	2.88				OVB			Overburden, no recovery																		
2.88	70.28	67.40				LST	MBL		Dark blue to blue gray moderatley marbelized fossiliferous LST with a high density of dark dissolution seams that range from stylolitic to cBx in texture. The cBx texture occurs in areas exhibiting higher density of dissolution seams, and are lighter grey in colour. Pressure solution is likely the cause of the dissolution seams. Fossils are present to varying degrees throughout the interval and include crinoid stems/fragments, flavocities corals and rugose corals. Parts of this unit may have experienced a low degree of ductile deformation as illustrated by fossil elongation and curved LST banding.									MBL	m							x
									A foliation defined by parallel alignment of dark tc light blue banding and dissolution seams is present intermittantly within the interval.	FO	45															
									Calcite veining occurs although the veins are infrequent and not a prominent.	VN	45		0.3														
			58.75	61.90	3.15	LST	FOS		Interval consists of a dark grey fossiliferous marbelized LST. The unit ranges from floatstone to wackestone in composition. Fossils in this interval include crinoid stems, rugose coral, brachiopods, flavocities and the silurian index fossil halocyties. Large, curved unknown fossils that have a bleached halo surrounding a darker spotted granular core (photo taken).									MBL	m							x
									A foliation defined by banding and alignment of crinoid fragments is present.	FO	45															
									Lower contact to more marbelized, contains a greater abundance of dissolution bands and is sharp.	lCN	20	0														
70.28	85.63	15.35				LST	FOS		Pale grey, non foliated, fosilliferous limestone with common calcite veining. The interval becomes increasingly more fossiliferous (wackestone) with depth. The matrix consists of dark grey LST exhibiting a mottled "camo" texture (bioturbation?). Fossil clasts of the LST wackestone include crinoids, rugose corals, gastropods, halocyties and possible amphipora. Foliation is not evident in this interval.	uCN	55	170															

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									Calcite veins and veinlets are present in the upper portion this unit.	VN	45		0.5													
										VT	30		5														
			85.63	86.10	0.47	LST	SIL		Dark to light grey, FG to CG, irregularily banded cherty LST. Light grey, silicious chert bands up to 2.2 cm thick are found throughout sub-interval with irregular, undulose forms. Dark, FG, calcareous bands <1 mm to 2 mm throughout bound cherty bands and pass through medium grey, coarse grained LST. Lack of fossil textures is conspicuous.									SIL	s							
									FO is defined by cherty and dark. FG beds. 35 to 50 degrees TCA, but generally 45.	FO	45															
			86.10	94.92	8.82	LST	FOS	MO	Dark to light grey, FG to MG, mottled, FOS LST. Large rugose corals up to 3.0 cm in diameter on core surface occur along with halycites, bulbous stromatoporoids, crinoid fragments and brachiopods The core appears mottled with irregular to undulose, medium and dark grey LST textures throughout (bioturbidation?). Large, white to light grey, rounded (cryptic fossils? bioturbidation cavities?) present below 92.69 m in mottled, medium to dark grey LST with halycites corals present locally. vlCN is gradational, with the frequency of dark, narrow, carbonic bands increasing with depth.	CN																
									Moderate FO is defined by an irregular fabric of mottled "clast" orientations, 45 to 50 degrees TCA.	FO	45															
									White, MG, irregular Ca VT at 91.87 m, oriented 30 to 40 degrees TCA, 90 degrees to FO with a sinuous appearance, cross-cutting mottled texture o LST. Solitary VT in interval.	VT	35	90														
			94.92	111.04	16.12	LST		BN	Medium to dark grey, CG to FG LST grainstone with dark, irregular carbonaceous bands throughout. LST is coarse to FG, being more fine grained up hole. Weak concentrations of crinoid and rugose fossils occur where the LST is fine grained. Dark, carbonic layers from 1 mm to 1.1 cm in width variably host dull, FG, yellow Py MX. These bands are soft, non-calcareous, and appear irregular to undulose to near stylolitic in texture. With depth, this banding and LST fabric become convolute, lacking a distinct, common orientation as above. lCN is gradational over 1.15 m, becoming increasingly more FG, laminated and less convolute in texture.	lCN									t							

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									A moderate FO is defined by carbonic banding, oriented 40 to 50 degrees TCA, increasing with depth.	FO	50																
									Narrow, MG carbonaceous veinlets present thoughout interval, 1 to 3 mm wide, 40 to 50 degrees TCA and are generally oriented 0 degrees to FO with +/- 10 degree variation.	VT	45	0	2.5														
			111.04	114.76	3.72	LST		BN	Dark to medium grey, FG to CG, laminated LST. Rock consists of alternating dark and medium grey layers with weak amounts of rugose, crinoid and brachiopod fossils throughout. CG, calcareous, white nodules may be cryptic fossils. White, CG Ca VTs are present variably throughout, 3 to 5 mm in width forming undulose bands parallel with layering/bedding. Trace Py is present as yellow, metallic, < 1 mm blebs in dark bands/beds. An irregular fabric of bedding/banding is present throughout (bioturbidation?).																	
									A strong FO is defined by laminations, 45 degrees TCA.	FO	45																
			114.76	117.46	2.70	LST	FOS		Light to dark grey, CG to FG, FOS LST. Large favocitid coral fossils up to 27 cm of core length are bounded by dark, FG lime muds (favocitid boundstone?). Trace Py is present as <1 mm, yellow, metallic blebs in dark lime mudstone bands. Fossils make up ~80% of sub-interval.										t							
									A weak FO is defined by orientation of lime mud beds, 50 to 55 degrees TCA.	FO	55																
			117.46	131.44	13.98	LST	FOS		Dark to medium grey, FG to CG, variably FOS and bedded LST. Rock exhibits alternating beds of FG, dark lime muds and CG, crinoid wakestone-packstone beds. Layers vary in thickness from 2.1 to over 30 cm in width. Other fossils present are halycites and favocitid coral fragments, gastropods and other cryptic fossil textures. A total of 20% of sub-interval is made up of fossils. Where dark and fine grained, calcareous nodules <1.3 cm and white, calcareous, undulose bands are present.																	
									FO is defined by bedding fabric, 40 to 50 degrees TCA.	FO	45																
									White, variably oriented Ca veinlets crosscutting bedding fabrics are present throughout, generally <1 mm in width, oriented 25 degrees TCA and 190 degrees to FO.	VT	25	190	1														

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			131.44	134.24	2.80	LST	FOS		Light to dark grey, CG to FG, FOS LST. Large favocitid coral fossils up to 25 cm of core length are bound by dark, FG lime muds (favocitid boundstone?). Trace Py is present as <1 mm, yellow, metallic blebs in dark lime mudstone bands along the margins of some coral fossils. Py at times exhibits rusty halos around crystals. Fossils make up ~85% of sub-interval.										t							x
									A moderate FO is defined by orientation of mud beds, variably 30 to 50 degrees TCA, but generally 45 to 50.	FO	45															
			134.24	137.95	3.71	LST		BN	Dark to medium grey, FG to MG, laminated LST with alternating beds of dark, FG lime muds and MG, medium grey limestone. A singular, light grey, CG (tempestite?) bed is found at 134.67 m. Trace LIM alteration is present on fracture surfaces. Sinuous, calcareous bands oblique to bedding are present trhoughout. ICN exhibits convolute, alternating beds becoming increasingly lighter in colour and more sucrosic with depth.								LIM	t								
									Foliation is defined by bedding textures, oriented 50 degrees TCA.	FO	50															
137.95	140.93	2.98				MBL			White, variably BN MBL with trace iron staining on fracture faces. Narrow, FG, dull yellow Py and clay (altered VOL?) bands are intermittent throughout, <2 mm in width and commonly oriented. At times, deep green, <1 mm fuchsite patches are present along Py bands along with a soft, black, prismatic to tabular (biotite?) mineral. Trace blebs of SER altered material < 3.0 cm in size are present throughout. ICN is sharp, oriented 40 degrees TCA and is defined by a fast contact with a VOL unit below.	ICN	40									w							
									Foliation is defined by Py rich VOL bands, oriented 45 degrees TCA.	FO	45															

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
140.93	187.57	46.64				VOL	CGL		Green, FG to MG, weakly amygdaloidal, non-magnetic, intensely CHL altered, conglomerate VOL. Fair BIO and weak SER alteration are also present. Generally, unit is FG with MG, dark crystal matrix supporting round to sub rounded conglomerate clasts. FG bands and layers of rock oriented preferentially are also seen throughout VOL interval. Where amygdaloidal, Ca infilling of cavities occurs. "Stockwork"-like, 1-3 mm wide Ca veinlets are variably present, giving the rock a shattered appearance with VOL clasts 1 to 4 cm in size. A preferential orientation of stockwork veinlets is exhibited. Trace bright, metallic, greenish-yellow chalcopyrite is present as <2 mm blebs with Ca blebs and VTs. Po is present as <7 mm blebs in VOL. At times, a "clastic" texture is exhibited with large, oval, dark green "clasts" supported by a lighte green (SER?) "matrix". Fine, whisps of SER-CHL mineralization are present throughout. uCN exhibits brown, BIO alteration, becoming increasingly CHL with depth and is weakly AM in texture with calcareous "stockwork" fracturing.	CN								CHL	i			t	Cp	t			x
																		BIO	f								
			140.93	151.55	10.62	VOL	CHL		Green to brown, FG to CG, intensely CHL altered VOL with narrow, white, CG Ca stockwork veinlets throughout. Stockwork veinlets are 1 to 3 mm wide, and give rock a coarse, shattered appearance with large, 1 to 4 cm, angular VOL clasts throughout. Stockwork texture persists through brown, BIO altered VOL below uCN into green, chloritic VOL below.									CHL	i								
																		BIO	s								
									FO is defined by preferential fracturing, grain and "clast" orientaion, all common to each other at 50 degrees TCA.	FO	50																
									Though stockwork fracturing is at times oblique to FO, a strong orientation of large, "main" stockwork fractures/veinlets is oriented parallel with FO. Narrow, <8 mm wide "stockwork" VTs are variable in frequency throughout.	VT	50	0														

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			151.55	156.97	5.42	VOL	CGL		Light to dark green, FG to MG, intensely CHL altered, CGL VOL. Dark green, oval clasts up to 3.8 cm in size are supported by a light green, at times weakly SER altered VOL matrix. Fine, whisps of SER alteration present in both clasts and matrix. Trace, FG pyrite is disseminated throughout. ICN is gradational, becoming darker, uniform in colour and lacking conglomerate clasts, and exhibits a laminated texture.	CN								CHL	i	t						
									FO is defined by clast and grain orientation and preferential fracturing, 35 to 40 degrees TCA.	FO	40																
			156.97	170.77	13.80	VOL		FG	Black to dark green, FG to MG, very soft VOL. A fine, black powder persists (graphitic? suplhides?) on saw and core cutting surfaces, giving rock a near graphitic characteristic, as it rubs off easily on fingers and can even draw lines on paper with sharp core fracture faces. XRF readings yield elevated Ti, K and Fe, consistent with a VOL geochem signature. Disseminated, FG Py is present throughout. Trace blebs of Cp are found as blebs with narrow Ca VTs and as rare, <1 mm disseminated blebs in VOL. Cut core surface reveals curious textures in Py mineralization, FG Py crystals are oriented in curvilinear, undulose structures to linear orientations parallel with FO. Some Py blebs exhibit brown (BIP? SID?) haloes. Rounded, Py-Cp nodules are present in interval and are up to 4.8 cm in size, cross-cutting VT's which can exhibit offset. ICN is gradational, becoming more coarse and exhibiting laminated, white, non calcareous bands <1 mm in width.	CN								w			Cp	t			x
									FO is defined by laminated texture and grain orientation, 40 degrees TCA throughout.	FO	40																
									Narrow, rusty (SID?) VT's oriented parallel to FO are found trhoughout, 1 to 4 mm wide, decreasing in frequency with depth.	VT	40	0	1.5													
									Qz-Si-Py VTs, 2 mm wide with coarse, grey Qz and brown Si with yellow Py. Vuggy textures are exhibited in veinlets. Veinlets are oriented 15 degrees TCA and 270 degrees to FO.	VT	15	270	0.5							w						
									Narrow, white 1 mm to <1 mm wide VT's with MG Py and Cp blebs variably throughout. Veinelt frequency increases with depth, becoming common above lCN.	VT	40	0								w			Cp	t		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			170.77	187.57	16.80	VOL	CGL		Green to brown, FG to CG, intensely CHL altered CGL VOL. Generally a green, FG to MG matrix supports rounded to subrounded "pebble" clasts throughout. Clasts are heterogenous in size, shape and composition throughout. Sizes and shapes range from tabular, 7 cm long clasts to 3.5 cm wide, round clasts. CGL pebbles appear strongly CHL altered, BIO altered, calcareous, to dark, MG (pumice?) clasts. BIO alteration is strong with intermittent patches of brown, BIO altered matrix. Trace Py occurs throughout as FG disseminations in CGL matrix. Core exhibits bedding/banding with depth, alternating bands of green to brown, FG to MG VOL with coarse conglomerate beds exhibit sharp contacts. lCN is sharp, VOL overlays white, MBL and is oriented 40 degrees TCA.	ICN								CHL	i	t							x
																		BIO	s							
									FO is defined by clast orientation and bedding/banding fabrics, 40 degrees TCA throughout.	FO	40																
187.57	188.53	0.96				MBL			White to medium grey, sucrosic, bedded MBL with narrow interbeds of FG, SER and clay altered VOL. VOL interbeds decrease in width and frequency with depth. ICN is gradational, becoming grey and more fine grained over 1.25 cm.	CN																	
188.53	245.59	57.06				LST		BN	Medium to dark grey, FG to MG, laminated to BX LST. Trace halycites, crinoid and rugose fossils are present. Weak, rusty orange iron-alteration is exhibited on fracture faces throughout. Interval generally exhibits a laminated fabric throughout with intermittent zones of mottled to BX textures. Trace Py and Po is present as FG disseminations in laminated LST.							w			t		t					

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			188.53	197.01	8.48	LST		BN	Medium grey, MG to FG, weakly FOS, weakly laminated LST. Narrow, soft, rusty brown to green grey, calcareous, 1-3 mm wide bands are present throughout, 8 mm to 5.1 cm apart. Trace halycites, crinoid, and other delicate, cryptic fossil textures are present throughout. Weak rusty orange to yellow LIM staining is present on fracture surfaces. Trace vuggy textures are present along margins of some o the rusty brown bands.									LIM	w									
									A strong FO is defined by the banded fabric of commonly oriented narrow, brown-grey beds throughout, oriented 40 degrees TCA.	FO	40															
									White, CG Ca VNs oriented 65 degrees TCA and 0 degrees to FO found at 193.72 m and 195.27 m and are 2.4 cm and 1.3 cm wide respectively.	VN	65	0														
			197.01	199.23	2.22	LST		MO	Dark grey, FG to MG, fairly mottled LST. Trace crinoid and possible amphipora fossils are present. Round, ovular, grey mottled "clasts" are supported by a dark grey matrix. MO texture is variable throughout, generally decreasing with depth. Coarse Ca VN's present throughout. lCN is gradational, becoming irregular, and weakly laminated over 35 cm.	CN																	
									FO is defined by mottle clast orientation and a weak lamination fabric, ranging from 30 to 50 degrees TCA, but most commonly oriented 40 degrees TCA.	FO	40															
									White, CG Ca VNs present, oriented 60 to 65 degrees TCA and 0 degrees to FO, 1.4 to 2.9 cm wide.	VN	60	0	2													
			199.23	202.11	2.88	LST		BX	Light to medium grey, FG to MG LST with fine dark, cBX textures with a common orientation throughout sub-interval. Trace crinoid fragments are present. At times, core appears weakly mottled, darker grey FG LST appears to be "supporting" lighter grey, ovular clasts.																	
									FO is defined by a common orientation of cBX fabric and mottled 'clast' orientation, 40 degrees TCA.	FO	40															
									White, CG Ca VT's 1.1 to 0.8 cm wide, oriented 70 degrees TCA and roughly 0 degrees to FO are intermittent throughout.	VN	70	0	0.5													

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			202.11	236.66	34.55	LST		BN	Medium to light grey, FG to CG, banded LST with intermittent, rusty orange beds throughout. Rusty bands are variable in width and frequency throughout, ranging from 1 mm to 1.3 cm in width. Bands at times appear greenish grey (SER alt?) and do not fizz with HCl (VOL?). At times, rock appears fissile where rusty banding is most strong. Fracturing is preferential along bedding planes. On fracture surfaces, yellow-orange LIM-Fe alteration is present. Some vuggy textures are local to or form rusty bands (hydrothermal?). In zones with weaker rusty banding, core appears dark grey, FG with light grey-white, 1-2 mm wide laminations with trace, FG, white-yellow, metallic Py and white-grey, FG Po (may all be Po, difficult to differentiate with hand lens), <1 mm in width, and elongate with bedding planes, up to 2.5 mm in length. Trace crinoid, halycites and rugose fossils are present.								LIM	t	t		t				
																		SER	w								
									A strong FO is defined by banding/bedding fabric and orientation, 50 degrees TCA.	FO	50																	
									Narrow, white to light grey Ca stringers parallel with FO are present throughout, from linear to bulbous, swelling veinets up to 8 mm wide. Frequency of veinlets is variable, but generally 1-2 per meter are found throughout sub-interval.	VT	50	0	1.5															
									White to creamy orange, CG, Ca-Qz VN, 4.0 cm wide, oriented 65 degrees TCA and 90 degrees to FO. Trace platey (TLC alteration? muscovite?), soft whiteish minerals present along vein margins. VN is located at 206.78 m.	VN	65	90																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			236.66	238.64	1.98	LST	LIM		Rusty orange to brown-grey, FG to MG, soft, fissile, strongly Fe altered LST. Rock fizzes readily to moderately throughout with acid. A laminated/bedding fabric is pervasive throughout, exhbiting preferental fracturing, and splitting with light pressure along bedding planes. Narrow bands of LST protolith are intermittent throughout, up to 2.7 cm wide, medium grey, FG, and lacks textures beyond that. Where LIM/Fe altered, contacts with LST protolith follow bedding planes with sharp contacts. Creamy white, calcareous nodules are found throughout, elongate with bedding, and up to 6 mm in width. Trace dark, cherty bands up to 1.5 cm in width are rare, and lack LIM/Fe alteration. XRF readings yield elevated Ti (10,000 ppm) and K (26,000 ppm), indicating a VOL geochem signature.								LIM	s							
									A strong FO is defined by bedding/fractre planes, oriented 55 to 65 degrees TCA.	FO	60																
			238.64	245.59	6.95	LST		MO	Dark to light grey, FG to MG, weakly laminated to mottled LST. Core exhibits a laminated fabric up hole, becoming less so and more mottled with depth. uCN is sharp, oriented 60 degrees TCA. Mottled core textures are elongate, oriented with bedding/lamination fabric. Approaching lCN, core becomes lighter in colour, with clay altered VOL interbed at 245.12 m. lCN is gradational with VOL interbeds appearing with depth, but contacts between LST-VOL layers are sharp, oriented 50 to 60 degrees TCA.	lCN																
									FO is defined by the orientation of a laminated fabric and elongate mottled textures, 60 degrees TCA.	FO	60																
									White, CG, Ca veinlets with shared orientations are present throughout, oriented 60 to 70 degrees TCA, 0 degrees to FO, and range in thickness from 0.6 to 0.9 cm.	VT	65	0	5												

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
245.59	262.65	17.06				VOL	CHL	AM	Dark to medium green, FG to CG, variably magnetic, amygdaloidal, intensely CHL altered VOL. Amygdules are generally ovular in shape, from 1 mm in size up to 4.6 cm in length, commonly elongate and infilled with white to reddish-brown, CG Ca. VOL is variably calcareous, at times fizzing readily with HCl (calctic cement?). FG, CHL bands exhibit pinch-swell textures around amygdules. AM texture decreases with depth, becoming MG to FG, darker, and weakly magnetic. Trace Cp is associated with Ca VN.								CHL	i				Cp	t			
			256.31	262.65	6.34	VOL	CHL		Dark green, FG to CG, weakly magnetic, intensely CHL altered VOL. Lacking coarse amygdules, core is generally FG to MG, dark green volcanics with a laminated fabric throughout. Rock becomes coarser grained and darker with depth with MG, soft, black (biotite?) crystals disseminated throughout. Elongate nodules of Qz-Ak are present variably throughout, up 2 mm to a 0.9 cm wide band, MG, with creamy orange-yellow Ak and grey, translucent Qz. Ak fizzes when scratched. Core is near fissile, breaking easily along lamination (bedding?) planes. Trace Cp bleb is found in a Ca VT at 256.55 m. lCN is sharp, bt is obscured by broken core, and is oriented 70 degrees TCA. Core is often blocky with some rubble, trace brick red Fe staining is present on some fracture faces, more so with increasing depth.								CHL	i				Cp	t			
									Defined by a laminated fabric, preferential fractrinç and orientation of elongate Qz-Ak nodules, FO is commonly oriented 70 degrees TCA but can be as low as 60 degrees.	FO	70															
									White, CG Ca VT oriented parallel with foliation, 7 mm wide with 1.5 mm, bright, metallic, greenish-yellow Cp bleb present. Veinlet is found at 256.55 m.	VT	70	0										Cp	t			

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
262.65	264.49	1.84				MBL		BN	White to brown grey, sucrosic, banded MBL. White MBL with bands of non-calcareous, brown-green VOL and brown-grey LST exhibiting irregular alteration margins around fresh LST. Where LST exhibits alteration, small ~1-1.5 mm rusty cubes of Py are present. Trace bright metallic Py is found in white MBL as small, 1 mm-scale blebs. At times banding appears convolute, irregular with alteration margins, but generally alteration appears commonly oriented throughout.										t							
									FO is defined by the banded "bedding" fabric and preferential fracturing, oriented 70 degrees TCA.	FO	70																
264.49	296.12	31.63				LST	OX	BN	Medium grey to brown-orange, FG to CG, weakly FOS, laminated to banded, variably OX altered LST. LST is generally laminated in texture, FG beds alternating with MG-FG, white to light grey beds and Ca nodules. At times, LST bedding appears irregular and undulose. Where coarse, white, calcareous (cryptic fossils?) with pinch-swell of darker lime muds form around white clasts. A singular closed fold is present at 272.49 m. Trace rusty Py cubes <1 mm are associated with Ca nodules and bands and in rusty OX altered bands. OX bands are variable in frequency and width, both generally increasing with depth. Banding is parallel with bedding, deeper OX alteration though can exhibit irregular alteration margins (hydrothermal front?) exhibits a preferential orientation parallel with bedding of LST. Trace SID veinlets are present throughout, oriented sub-parallel TCA.						s		w			t							

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			264.49	280.87	16.38	LST		BN	Medium grey to brown orange, FG to CG, laminated to mottled, variably OX altered LST. Rock fizzes with acid throughout. Intermittent VOL interbeds present up hole, but decrease with depth in width and frequency. Where FG, laminated fabric present. Rock becomes more coarse with depth, becoming crinoid wakestone in composition. Intermittent, rusty orange OX ALT and greyish-green-brown layers throughout. OX ALT bands are generally preferential to FG LST, and usually planar, parallel with bedding but at times exhibits irregular, convolute margins. Trace rusty Py crystals <1 mm are present with Ca nodules and altered LST bands. A closed fold of bedded, FG dark lime muds and light MG grains present at 272.49 m. Delicate, cryptic calcareous textures are present throughout (fossils?). Crinoid stem fragments are intermittent throughout, but become common with depth where core becomes more CG and lighter in colour (crinoid wakestone).																			x
									FO is defined by laminated/bedding and banding textures, oriented 60 to 70 degrees TCA.	FO	65															x
									Narrow, 1 to 5 mm wide rusty orange SID veinlets oriented sub-parallel TCA (0 to 10 degrees) throughout with, brown-orange siderite crystals <1 mm in size to earthy, FG, powdery coatings on veinlet margins (fracture filling?).	VT	10	90														x
			280.87	284.86	3.99	LST	OX		Dark grey to rusty orange, FG to CG, strongly OX altered LST with intermittent MBL alteration and trace fossils. uCN is gradational, with MBL alteration to 280.87 m becoming variable and appearing white to light grey below. Patchy, strong OX (Fe alteration?) throughout, at times in bands but can exhibit irregular margins . Even where irregular, OX altered rock exhibits a common, preferential orientation (stratiform controls?). Trace relict crinoid textures are present in zones of OX alteration. OX altered rock can appear gritty where OX alteration is strongest, to competent but blocky core where OX strength is less so.	CN						s	f	MBL	ms	t							x

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			284.86	292.12	7.26	LST	OX	BN	Medium to light grey to grey-orange, CG to FG, mottled to banded, Strongly OX altered LST with moderate MBL alteration. LST is generally CG, granular (wakestone?), light grey with darker, FG, muddy, irregular bands, to patchy, sucrosic MBL altered LST throughout. Narrow interval of sBX textures over 12 cm are present at 290.80 m along the bottom margin of a CG Qz-Ca VN. MBL alteration is associated spatially with Qz-Ca veining. OX alteration overprints vein textures, as vein crystals exhibit a rusty-orange staining texture. Trace grey Qz, <1 mm, prismatic crystals are disseminated in LST. Trace dark grey chert nodules <2 cm in size are present near OX bands above lCN at 295.02 m. Weak rusty PY MX is present as <2 mm cubes preferentially hosted in rusty orange OX altered bands. Bands of OX alteration follow bedding/lamination fabric of LST throughout, though at times margins of OX alteration can appear convolute. OX alteration increases with depth. OX altered bands are 1.1 cm to 23 cm wide and fizz with acid. Narrow, grey-green, soft clay layers (VOL interbeds) < 1 cm in width are intermittent throughout in both OX altered and fresh LST and do not fizz with acid. lCN is sharp, but is obscured by the core fracturing along the contact, oriented ~70 degrees TCA.	ICN	70					s					w							
									Defined by a laminated fabric and marble banding where present, oriented 55 to 70 degrees TCA, becoming shallower with depth and with MBL banding.	FO	60															
									CG, white to translucent, Qz-Ca VN oriented 90 to 60 degrees TCA. VN margins are planar to irregular. CG white Ca and translucent Qz appear central with strong, CG tremolite alteration of LST along VN margins. Beyond tremolite alteration, strong MBL alteration of LST is exhibited. Grain boundaries of Ca and tremolite exhibit Fe staining, indicating OX alteration was post veining event. VN's are 8 and 21 cm wide, at 287.00 and 290.41 m respectively.	VN	75					w		MBL	s						

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
296.12	297.94	1.82				OX			Rusty red-orange, FG to CG, gritty, OX. Patchy yellow LIM alteration is evident on fractured core faces. Rock is generally gritty with some weakly competent rock. Relict protolith textures are present below uCN, grey-orange-green, laminated bands are present in dark, rusty-red SER altered LST (VOL interbed in SER alt LST?) with patchy, orange and yellow LIM alteration exhibiting an earthy, dull, powdery appearance. Where not competent, core is a rusty orange-red, gritty to rubbly and very friable. Both uCN and lCN appear gradational, with relict protolith textures becoming obliterated moving towards the centre of the OX unit. Above the lCN, rock exhibits OX overprinting of LEP textures.	CN						I													
			296.12	296.99	0.87	OX			Brick red to rusty orange, MG to FG, OX with strong SID alteration. Core is blocky, generally competent, with preferential fracturing along relict protolith fabrics. Grey-green (VOL?) bands are intermittent throughout, with parallel orientation and are 2 to 8 mm wide. Core becomes yellow, remaining competent with LIM alteration on core surfaces. lCN is defined by core becoming blocky to rubbly over 8 cm with narrow Qz structures at 296.95 m. Relict sBX textures strongly overprinted by OX alteration is present 296.95 to 296.83 m, fizzing readily with acid. Trace Py is present where LST exhibits sBX textures.	lCN						i	s	LIM	s	t							
									Where present, FO is defined by bedding/banding textures remaining in altered protolith, 50 degrees TCA from 296.12 to 196.83 m where core exhibits narrow VOL interbedding.	FO	50														
			296.83	296.99	0.16				Defined by a relict sBX fabric, 70 degrees TCA	FO	70															

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			296.99	297.79	0.80	OX			Rusty orange, gritty to rubbly, weakly SID ad LIM altered OX with trace HEM alteration. Core is generally grit to rubble, but clast size ranges from 1-2 mm up to 3.5 cm earthy chunks of core. The average size of OX fragments is <1 cm, and is rusty orange in colour with occasional LIM coatings on weathered clasts. Weak SID alteration is present as intermittent, dark, rusty brown patches throughout. Rare bright red (hematite?) alteration is present on trace OX clasts. lCN is defined by a change to compotent core which is uniform, rusty orange in colour, but is harder and much less friable over last 3 cm of sub-interval. Weak amounts of a creamy white-green, talc is present throughout appearing platey where core is more compotent. Trace Qz is present throughout as CG, rust-stained coarse sand.	ICN						i	w	LIM	w				Tc	t	Qz	t	x
																		HEM	t								
									A lack of a uniform fabric or orientation precludes a FO measurement.	FO	n/a																
			297.79	297.94	0.15	OX	LEP		Dark red-brown to orange-red, FG to MG, blocky to rubbly, vuggy, strongly SID altered, weakly LIM altered OX. Core is friable to compotent, with a relict, strongly OX overprinted LEP texture. Whispy bands of orange stained, clay alteration are present throughout. Small vugs also occur throughout (disolved Ca nodules?) Where friable, core is orange rusty-red in colour and appears clay-like. Patchy SID alteration is intermittent throughout, weak LIM alteration is present on some fracture faces. Fracturing is irregular throughout. lCN is sharp, defined by a LEP-OX contact, oriented 55 degrees TCA, following LEP FO.	ICN	55					i	ms	LIM	w								
									FO is defined by a relict fabric of LEP protolith. Where present, FO is oriented 55 degrees TCA.	FO	55															

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
297.94	310.50	12.56				LEP	OX		Rusty brown to grey-brown, FG to CG, laminated to weakly mottled, blocky to rubbly, strongly OX altered LEP. Trace vuggy textures are exhibited where core is most strongly OX altered. OX alteration is variable throughout in bands up to 3.4 cm wide. LEP textures are obliterated where OX alteration is strongest. Fresh LEP is grey-brown, mottled, occuring in bands up to 2.9 m thick, and is variably calcareous throughout with a white matrix variably supporting grey to brown-grey clasts. Whispy SER alteration is present throughout, and at times greenish SER alteration is found in patches overprinting fresh LEP.							s		SER	w	t							
									FO is defined by a laminated fabric (bedding?) 50 degrees TCA.	FO	50																	
									White to creamy orange, CG Ca vein, 4 cm wide, oriented 35 degrees TCA and 0 degrees to FO is found at 299.22 m.	VN	35																	
			299.80	301.10	1.30	LEP	OX		Rusty red to rusty brown, gritty to compotent, intensely OX altered LEP. Relict LEP textures are obscured by OX alteration. Core is compotent, blocky and rubbly with coarse grit and narrow, irregular clay intermittent throughout on margins of gritty zones. LIM alteration present where core exhibits vuggy textures. An undulose, pervasive fabric is present in compotent core (hydrothermal textures?) oriented 40 degrees TCA and is defined by sinuous, narrow bands of dull orange, soft alterations 1-3 mm wide, present in core where OX alteration is less intense.							i	ms	LIM	f								x
									Defined by a fabric of soft, orange bands where present, fracturing is sometimes preferential to this plane, oriented 40 to 45 degrees TCA.	FO	40																	
			308.86	309.60	0.74	LEP	OX		Rusty orange-grey, FG to MG, soft, friable, clay to comptent, intensely OX altered LEP. LEP textures are obliterated by OX alteration leaving orange grey soft, FG to MG, blocky to clay-like OX. CN's sharp along alteration margins, which are parallel to FO. A preferential fracturing is exhibited, oriented 65 to 80 degrees TCA.							i											
									FO is defined by preferential fracturing, 70 degrees TCA. Alteration margins follow FO.	FO	70																	

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			309.60	310.50	0.90	LEP	OX		Dark reddish-brown to dark grey-green, FG to CG, stongly SER and OX altered LEP. Trace grains of rusty Py <1 mm are disseminated throughout. LEP textures are moderately obscured by alteration. The unit becomes darker and more MG with depth with LEP clasts appearing dark grey-green and are supported by a dark, red-brown matrix. lCN is obscured by strong alteration and broken core.	CN						s		SER	s	t							
									FO is defined by relict LEP fabric, oriented 60-50 degrees TCA, shallowing with depth and with increasing alteration.	FO	55															
310.50	343.51	33.01				LST	DOL	BX	Medium to light grey, FG to MG, cBX, intensely DOL altered LST. Intermittent, narrow, rusty orange OX alteration is present up hole, but not below 328.00 m. Trace pink-white (rhodochrosite?) is present with a narrow sBX interval. Rock exhibits typical cBX DOL altered LST found elsewhere below the LEP unit. uCN is gradational, very dark grey to black, at times exhibiting a conchoidal fracture (mudstone? shale?) but exhibits a relict cBX texture which persists below. Rock is very dark over 1.15 m, becoming increasingly lighter with depth, more readily exhibiting cBX textures. Trace Fe staining is present on fracture faces throughout.	uCN				l		w										x
			315.70	327.90	12.20	LST	DOL	BX	Medium grey, FG to CG, cBX, intensely DOL altered LST. With moderate, intermittent SIL alt, fair OX alteration and weak SID alteration variably throughout. Light to medium grey clasts up to 3.8 cm but generally 1.0-1.5 cm in size are narrowly separated by a dark grey FG cBX matrix. Rusty orange to brown-red SID alteration is present along fracture faces throughout. Core is at times rubbly to blocky, with orange-yellow LIM alteration on fractures, especially where core is blocky to rubbly. Generally core is compotent, only exhibiting OX/Fe alteration where fractured.					i		f	w	SIL	m							
									A lack of a uniform fabric or orientation precludes a FO.	FO	n/a															
									White, CG, Ca-Qz vein oriented 20 degrees TCA.	VN	20															
			324.94	325.66	0.72	LST	DOL	BX	Medium grey to pinkish white, FG to CG, sBX, intensely DOL altered LST with strong SIL alteration.					i				SIL	s						

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									Core is harder than typical (SIL alteration), especially pink-white, recrystalized sBX matrix. XRF yields no data (very low readings throughout). Where pink, rock exhibits equigraular recrystalization with prismatic Qz crystals, rather than the typical, toothy, sparry texture of sBX matrix.																		
									A lack of a uniform fabric or orientation precludes a FO.	FO	n/a																
			339.25						Rusty blood red, MG, SID VT oriented 10 degrees TCA with orange-yellow LIM alteration.	VN	10																
									343.51 m: E.O.H. - The hole was ended because it was well past the Oxide zone target and into a cBX DOL altered LST unit below LEP with no signs of changing.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-107

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
145.39	148.44	3.05	VOL	CHL	2.90	95	I076887	67	<0.01	0.10	5	0.07	
148.44	151.49	3.05	VOL	CHL	2.92	96	I076888	67	<0.01	0.08	4	0.06	
151.49	154.53	3.04	VOL	CGL	3.03	100	I076920	68	<0.01	0.47	8	0.31	
154.53	157.58	3.05	VOL	CGL	2.95	97	I076921	68	<0.01	0.45	11	0.34	
157.58	160.63	3.05	VOL		3.05	100	I076923	68	<0.01	0.29	10	0.96	
160.63	163.68	3.05	VOL		3.00	98	I076924	68	0.01	0.38	3	1.04	
163.68	166.73	3.05	VOL		2.89	95	I076925	68	0.01	0.37	6	1.01	
166.73	169.77	3.04	VOL		3.04	100	I076926	68	<0.01	0.38	2	0.29	
169.77	172.82	3.05	VOL	CGL	2.92	96	I076927	68	<0.01	0.35	2	0.16	
172.82	175.87	3.05	VOL	CGL	2.99	98	I076928	68	<0.01	0.25	2	0.22	
175.87	178.92	3.05	VOL	CGL	2.96	97	I076930	68	<0.01	0.24	7	0.23	
178.92	181.97	3.05	VOL	CGL	2.97	97	I076931	68	<0.01	0.32	2	0.17	
181.97	185.01	3.04	VOL	CGL	2.90	95	I076932	68	<0.01	0.26	0	0.09	
185.01	187.58	2.57	VOL	CGL	2.57	100	I076933	68	<0.01	0.33	<0.2	0.13	
187.58	190.58	3.00	LST		3.00	100	I076934	68	<0.01	0.06	<5	0.17	
230.73	233.78	3.05	LST		2.59	85	I076947	69	<0.01	<0.01	<5	0.08	
233.78	236.83	3.05	LST		2.64	87	I076948	69	<0.01	0.07	25	0.14	
236.83	239.88	3.05	LST		2.80	92	I076949	69	<0.01	<0.01	7	0.27	
258.17	261.21	3.04	VOL	CHL	3.02	99	I076950	69	<0.01	<0.01	1	0.19	
261.21	264.26	3.05	MBL		2.79	91	I076952	69	<0.01	<0.01	<5	0.06	
264.26	267.31	3.05	LST		3.05	100	I076953	69	<0.01	0.10	6	0.02	
276.45	279.50	3.05	LST		2.83	93	I076954	69	<0.01	0.74	56	0.01	
279.50	282.55	3.05	LST	OX	2.62	86	I076955	69	<0.01	0.18	68	<0.01	
282.55	285.60	3.05	LST	OX	2.67	88	I076956	69	0.01	0.34	86	0.08	
285.60	288.65	3.05	LST	OX	2.31	76	I076984	70	0.02	0.18	75	0.26	
288.65	291.69	3.04	LST	OX	2.83	93	I076985	70	0.01	0.13	62	0.47	
291.69	294.00	2.31	LST	OX	1.93	84	I076986	70	<0.01	0.14	160	0.08	
294.00	296.12	2.12	LST	OX	2.12	100	I076987	70	<0.01	0.11	198	0.06	
296.12	297.74	1.62	OX		1.04	64	I076988	70	0.90	0.55	4890	179.00	
297.74	300.84	3.10	LEP	OX	2.43	78	I076990	70	0.37	0.32	4040	12.25	
300.84	303.89	3.05	LEP	OX	2.77	91	I076991	70	0.21	0.32	4960	3.28	
303.89	306.00	2.11	LEP	OX	1.89	90	I076992	70	<0.01	0.31	1255	0.72	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
306.00	308.11	2.11	LEP	OX	2.03	96	I076993	70	<0.01	0.34	181	0.09	
308.11	310.50	2.39	LEP	OX	1.89	79	I076994	70	0.03	0.41	150	0.43	
310.50	313.35	2.85	LST	DOL	2.78	98	I076996	70	0.04	0.40	186	2.51	
313.35	316.50	3.15	LST	DOL	2.72	86	I076997	70	<0.01	0.07	101	0.28	
316.50	319.55	3.05	LST	DOL	2.98	98	I076998	70	<0.01	0.12	39	0.35	
319.55	322.60	3.05	LST	DOL	2.64	87	I076999	70	<0.01	0.03	32	0.25	
322.60	325.65	3.05	LST	DOL	1.69	55	I077000	70	<0.01	0.10	64	1.62	
325.65	328.70	3.05	LST	DOL	2.99	98	I077001	70	<0.01	0.07	39	0.31	
328.70	331.75	3.05	LST	DOL	2.93	96	I077002	70	<0.01	0.04	6	0.11	
154.53	157.58	3.05	VOL	CGL	2.95	97	I076922	68	<0.01	0.50	11	0.36	Duplicate
-	-	-	-	-	-	-	I076929	68	0.50	1.74	6370	74.80	Standard RSS-5
-	-	-	-	-	-	-	I076951	69	<0.01	0.01	<5	0.10	Blank NQ
-	-	-	-	-	-	-	I076957	69	<0.01	0.01	<5	<0.01	Blank NQ
-	-	-	-	-	-	-	I076958	69	0.37	7.38	<0.2	1.27	Standard ROS-1
-	-	-	-	-	-	-	I076989	70	1.42	0.67	79	1.60	Standard ROS-2
-	-	-	-	-	-	-	I076995	70	<0.01	0.01	5	0.03	Blank NQ

GEOTECHNICAL LOG

HOLE: Rau-10-107

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
2.88	3.66	0.78	0.78	100	0.40	51	MS	FR		
3.66	5.18	1.52	1.52	100	1.09	72	MS	FR		
5.18	6.71	1.53	1.35	88	1.10	72	MS	FR		
6.71	8.23	1.52	1.52	100	0.71	47	MS	FR		
8.23	9.75	1.52	1.52	100	1.15	76	MS	FR		
9.75	11.28	1.53	1.42	93	1.20	78	MS	FR		
11.28	12.80	1.52	1.52	100	1.30	86	MS	FR		
12.80	14.33	1.53	1.52	99	1.40	92	MS	FR		
14.33	15.85	1.52	1.40	92	1.23	81	MS	FR		
15.85	17.37	1.52	1.52	100	1.29	85	MS	FR		
17.37	18.90	1.53	1.42	93	1.27	83	MS	FR		
18.90	20.42	1.52	1.52	100	1.37	90	MS	FR		
20.42	21.95	1.53	1.44	94	0.94	61	MS	FR		
21.95	23.47	1.52	1.52	100	0.85	56	MS	FR		
23.47	24.99	1.52	1.45	95	1.20	79	MS	FR		
24.99	26.52	1.53	1.51	99	1.44	94	MS	FR		
26.52	28.04	1.52	1.52	100	1.20	79	MS	FR		
28.04	29.57	1.53	1.53	100	0.98	64	MS	FR		
29.57	31.09	1.52	1.52	100	1.52	100	MS	FR		
31.09	32.61	1.52	1.40	92	0.97	64	MS	FR		
32.61	34.13	1.52	1.52	100	1.52	100	MS	FR		
34.13	35.66	1.53	1.52	99	1.52	99	MS	FR		
35.66	37.18	1.52	1.52	100	1.23	81	MS	FR		
37.18	38.71	1.53	1.53	100	1.28	84	MS	FR		
38.71	40.23	1.52	1.40	92	1.16	76	MS	FR		
40.23	41.76	1.53	1.53	100	1.53	100	MS	FR		
41.76	43.28	1.52	1.34	88	1.18	78	MS	FR		
43.28	44.81	1.53	1.53	100	1.48	97	MS	FR		
44.81	46.33	1.52	1.49	98	1.35	89	MS	FR		
46.33	47.85	1.52	1.45	95	1.30	86	MS	FR		
47.85	49.38	1.53	1.53	100	1.46	95	MS	FR		
49.38	50.90	1.52	1.52	100	1.11	73	MS	FR		
50.90	52.12	1.22	1.15	94	0.75	61	MS	FR		
52.12	52.43	0.31	0.22	71	0.22	71	MS	FR		
52.43	53.95	1.52	1.49	98	1.25	82	MS	FR		
53.95	55.17	1.22	1.16	95	0.96	79	MS	FR		
55.17	56.69	1.52	1.52	100	1.15	76	MS	FR		
56.69	58.52	1.83	1.53	84	0.88	48	MS	FR		
58.52	60.05	1.53	1.53	100	0.95	62	MS	FR		
60.05	61.57	1.52	1.42	93	1.08	71	MS	FR		
61.57	63.09	1.52	1.52	100	1.52	100	MS	FR		
63.09	64.62	1.53	1.45	95	0.95	62	MS	FR		
64.62	66.14	1.52	1.47	97	1.25	82	MS	FR		
66.14	67.67	1.53	1.48	97	1.33	87	MS	FR		
67.67	69.19	1.52	1.52	100	1.03	68	MS	FR		
69.19	70.70	1.51	1.32	87	0.88	58	MS	FR		
70.70	72.24	1.54	1.53	99	1.16	75	MS	FR		
72.24	73.76	1.52	1.47	97	1.05	69	MS	FR		
73.76	75.29	1.53	1.53	100	0.63	41	MS	FR		
75.29	76.81	1.52	1.35	89	1.01	66	MS	FR		
76.81	78.33	1.52	1.45	95	1.16	76	MS	FR		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
78.33	79.86	1.53	1.53	100	1.38	90	MS	FR		
79.86	81.38	1.52	1.52	100	1.32	87	MS	FR		
81.38	82.91	1.53	1.46	95	1.36	89	MS	FR		
82.91	84.43	1.52	1.51	99	1.34	88	MS	FR		
84.43	85.95	1.52	1.44	95	1.21	80	MS	FR		
85.95	87.48	1.53	1.53	100	1.48	97	MS	FR		
87.48	89.00	1.52	1.52	100	1.24	82	MS	FR		
89.00	90.52	1.52	1.52	100	1.43	94	MS	FR		
90.52	92.05	1.53	1.39	91	1.23	80	MS	FR		
92.05	93.57	1.52	1.52	100	1.44	95	MS	FR		
93.57	95.10	1.53	1.43	93	1.00	65	MS	FR		
95.10	96.62	1.52	1.48	97	0.86	57	MS	FR		
96.62	98.15	1.53	1.50	98	1.22	80	MS	FR		
98.15	99.67	1.52	1.50	99	0.64	42	MS	FR		
99.67	101.19	1.52	1.48	97	0.66	43	MS	FR		
101.19	102.72	1.53	1.53	100	1.46	95	MS	FR		
102.72	104.24	1.52	1.52	100	1.38	91	MS	FR		
104.24	105.77	1.53	1.53	100	1.50	98	MS	FR		
105.77	107.29	1.52	1.47	97	1.40	92	MS	FR		
107.29	108.81	1.52	1.52	100	1.44	95	MS	FR		
108.81	110.34	1.53	1.46	95	1.33	87	MS	FR		
110.34	111.86	1.52	1.52	100	1.46	96	MS	FR		
111.86	113.39	1.53	1.46	95	1.26	82	MS	FR		
113.39	114.91	1.52	1.50	99	1.26	83	MS	FR		
114.91	117.96	3.05	2.61	86	1.68	55	MS	FR		
117.96	121.01	3.05	2.83	93	0.94	31	MS	FR		
121.01	123.14	2.13	2.13	100	1.51	71	MS	FR		
123.14	126.19	3.05	3.04	100	3.06	100	MS	FR		
126.19	129.23	3.04	3.04	100	2.22	73	MS	FR		
129.23	130.15	0.92	0.83	90	0.83	90	MS	FR		
130.15	133.20	3.05	2.99	98	2.99	98	MS	FR		
133.20	136.25	3.05	3.02	99	2.48	81	MS	FR		
136.25	139.29	3.04	3.04	100	2.34	77	MS	FR		
139.29	142.34	3.05	3.02	99	3.02	99	MS	FR		
142.34	145.39	3.05	3.01	99	2.85	93	MS	FR		
145.39	148.44	3.05	2.90	95	2.25	74	MS	FR		
148.44	151.49	3.05	2.92	96	2.32	76	MS	SW		
151.49	154.53	3.04	3.03	100	1.65	54	MS	SW		
154.53	157.58	3.05	2.95	97	1.88	62	MS	FR		
157.58	160.63	3.05	3.05	100	2.05	67	MS	FR		
160.63	163.68	3.05	3.00	98	2.67	88	MS	FR		
163.68	166.73	3.05	2.89	95	1.92	63	MS	FR		
166.73	169.77	3.04	3.04	100	1.89	62	MS	FR		
169.77	172.82	3.05	2.92	96	1.11	36	MS	FR		
172.82	175.87	3.05	2.99	98	2.61	86	MS	FR		
175.87	178.92	3.05	2.96	97	2.44	80	MS	FR		
178.92	181.97	3.05	2.97	97	2.26	74	MS	FR		
181.97	185.01	3.04	2.90	95	2.70	89	MS	FR		
185.01	188.06	3.05	2.96	97	2.33	76	MS	FR		
188.06	191.11	3.05	3.02	99	3.02	99	MS	FR		
191.11	194.16	3.05	2.66	87	1.61	53	MS	FR		
194.16	197.21	3.05	3.01	99	1.75	57	MS	SW		
197.21	200.25	3.04	2.88	95	2.15	71	MS	SW		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
200.25	203.30	3.05	2.98	98	2.19	72	MS	SW		
203.30	206.35	3.05	3.05	100	1.78	58	MS	FR		
206.35	209.40	3.05	2.54	83	0.33	11	MS	FR		
209.40	212.45	3.05	3.05	100	2.28	75	MS	SW		
212.45	215.49	3.04	2.98	98	1.01	33	MS	SW		
215.49	218.54	3.05	2.86	94	1.64	54	MS	SW		
218.54	221.59	3.05	2.89	95	0.70	23	MS	SW		
221.59	224.64	3.05	2.91	95	0.23	8	MS	SW		
224.64	227.69	3.05	2.59	85	0.00	0	MS	SW		
227.69	230.73	3.04	2.82	93	0.13	4	MS	SW		
230.73	233.78	3.05	2.59	85	0.74	24	MS	SW		
233.78	236.83	3.05	2.64	87	0.43	14	MS	MW		
236.83	239.88	3.05	2.80	92	0.34	11	W	HW		
239.88	242.93	3.05	3.01	99	0.94	31	MS	FR		
242.93	245.97	3.04	2.81	92	1.34	44	MS	SW		
245.97	249.02	3.05	2.97	97	0.61	20	MS	SW		
249.02	252.07	3.05	3.02	99	0.43	14	MS	SW		
252.07	255.12	3.05	3.05	100	0.67	22	MS	FR		
255.12	258.17	3.05	2.84	93	0.33	11	MS	FR		
258.17	261.21	3.04	3.02	99	1.01	33	MS	SW		
261.21	264.26	3.05	2.79	91	1.06	35	MS	SW		
264.26	267.31	3.05	3.05	100	0.80	26	MS	SW		
267.31	270.36	3.05	2.83	93	0.83	27	MS	SW		
270.36	273.41	3.05	3.02	99	0.77	25	MS	SW		
273.41	276.45	3.04	2.89	95	1.35	44	MS	SW		
276.45	279.50	3.05	2.83	93	1.35	44	MS	MW		
279.50	282.55	3.05	2.62	86	1.08	35	MS	HW		
282.55	285.60	3.05	2.67	88	0.77	25	W	HW		
285.60	288.65	3.05	2.44	80	1.65	54	MS	SW		
288.65	291.69	3.04	2.83	93	1.69	56	MS	SW		
291.69	294.74	3.05	2.72	89	1.48	49	MS	MW	5YR 3/4	OXIDE
294.74	297.79	3.05	2.28	75	1.13	37	W	VW		
297.79	300.84	3.05	2.55	84	0.42	14	W	VW		
300.84	303.89	3.05	2.65	87	0.41	13	W	VW		
303.89	306.93	3.04	2.80	92	0.60	20	W	MW		
306.93	309.98	3.05	2.61	86	0.62	20	W	MW		
309.98	313.03	3.05	2.92	96	1.35	44	W	SW		
313.03	316.08	3.05	2.73	90	2.03	67	W	MW		
316.08	319.13	3.05	3.05	100	2.02	66	MS	SW		
319.13	322.17	3.04	2.73	90	1.08	36	MS	MW		
322.17	325.22	3.05	1.53	50	1.13	37	W	MW		
325.22	328.27	3.05	2.98	98	2.02	66	MS	MW		
328.27	331.32	3.05	2.98	98	2.78	91	MS	FR		
331.32	334.37	3.05	3.05	100	2.96	97	MS	FR		
334.37	337.41	3.04	2.96	97	2.75	90	MS	SW		
337.41	340.46	3.05	2.95	97	1.75	57	MS	SW		
340.46	343.51	3.05	3.00	98	2.91	95	MS	SW		EOH

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-107

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	OVB		N/A	
2.00	OVB		N/A	
3.00	OVB		N/A	
4.00	LST	MBL	0.54	
5.00	LST	MBL	0	
6.00	LST	MBL	0	
7.00	LST	MBL	1.16	
8.00	LST	MBL	0.29	
9.00	LST	MBL	0.37	
10.00	LST	MBL	0	
11.00	LST	MBL	0	
12.00	LST	MBL	0	
13.00	LST	MBL	0	
14.00	LST	MBL	0.05	
15.00	LST	MBL	0.73	
16.00	LST	MBL	0.29	
17.00	LST	MBL	0.11	
18.00	LST	MBL	0	
19.00	LST	MBL	0	
20.00	LST	MBL	2.73	
21.00	LST	MBL	2.58	
22.00	LST	MBL	0.2	
23.00	LST	MBL	0	
24.00	LST	MBL	1.04	
25.00	LST	MBL	0.18	
26.00	LST	MBL	0	
27.00	LST	MBL	0.8	
28.00	LST	MBL	0	
29.00	LST	MBL	0	
30.00	LST	MBL	0	
31.00	LST	MBL	0.05	
32.00	LST	MBL	0.75	
33.00	LST	MBL	1.29	
34.00	LST	MBL	0.70	
35.00	LST	MBL	0.00	
36.00	LST	MBL	0.00	
37.00	LST	MBL	0.00	
38.00	LST	MBL	0.00	
39.00	LST	MBL	0.13	
40.00	LST	MBL	1.05	
41.00	LST	MBL	0.00	
42.00	LST	MBL	1.31	
43.00	LST	MBL	1.99	
44.00	LST	MBL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	LST	MBL	0.60	
46.00	LST	MBL	0.72	
47.00	LST	MBL	0.00	
48.00	LST	MBL	0.21	
49.00	LST	MBL	0.00	
50.00	LST	MBL	0.72	
51.00	LST	MBL	0.60	
52.00	LST	MBL	0.00	
53.00	LST	MBL	0.00	
54.00	LST	MBL	0.50	
55.00	LST	MBL	0.00	
56.00	LST	MBL	0.00	
57.00	LST	MBL	0.42	
58.00	LST	MBL	0.95	
59.00	LST	FOS	0.43	
60.00	LST	FOS	0.00	
61.00	LST	FOS	0.13	
62.00	LST	MBL	1.22	
63.00	LST	MBL	0.73	
64.00	LST	MBL	0.16	
65.00	LST	MBL	0.72	
66.00	LST	MBL	0.35	
67.00	LST	MBL	0.05	
68.00	LST	MBL	0.67	
69.00	LST	MBL	0.00	
70.00	LST	MBL	0.00	
71.00	LST	FOS	0.63	
72.00	LST	FOS	0.15	
73.00	LST	FOS	0.00	
74.00	LST	FOS	2.70	
75.00	LST	FOS	0.12	
76.00	LST	FOS	0.24	
77.00	LST	FOS	0.00	
78.00	LST	FOS	3.03	
79.00	LST	FOS	0.00	
80.00	LST	FOS	0.41	
81.00	LST	FOS	0.22	
82.00	LST	FOS	0.00	
83.00	LST	FOS	1.74	
84.00	LST	FOS	0.00	
85.00	LST	FOS	1.27	
86.00	LST	SIL	1.02	
87.00	LST	FOS	1.94	
88.00	LST	FOS	0.00	
89.00	LST	FOS	2.05	
90.00	LST	FOS	0.08	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	LST	FOS	1.78	
92.00	LST	FOS	1.51	
93.00	LST	FOS	0.24	
94.00	LST	FOS	0.00	
95.00	LST		2.29	
96.00	LST		0.65	
97.00	LST		0.00	
98.00	LST		0.79	
99.00	LST		0.18	
100.00	LST		3.36	
101.00	LST		0.18	
102.00	LST		0.00	
103.00	LST		1.10	
104.00	LST		3.91	
105.00	LST		3.58	
106.00	LST		0.67	
107.00	LST		0.40	
108.00	LST		1.31	
109.00	LST		1.29	
110.00	LST		2.82	
111.00	LST		1.90	
112.00	LST		0.00	
113.00	LST		0.92	
114.00	LST		0.45	
115.00	LST	FOS	0.00	
116.00	LST	FOS	0.00	
117.00	LST	FOS	0.38	
118.00	LST	FOS	1.24	
119.00	LST	FOS	0.21	
120.00	LST	FOS	0.54	
121.00	LST	FOS	0.01	
122.00	LST	FOS	0.73	
123.00	LST	FOS	1.40	
124.00	LST	FOS	1.22	
125.00	LST	FOS	0.00	
126.00	LST	FOS	0.00	
127.00	LST	FOS	1.12	
128.00	LST	FOS	1.08	
129.00	LST	FOS	0.32	
130.00	LST	FOS	1.23	
131.00	LST	FOS	0.77	
132.00	LST	FOS	1.80	
133.00	LST	FOS	1.18	
134.00	LST	FOS	0.00	
135.00	LST		0.10	
136.00	LST		1.80	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	LST		0.92	
138.00	MBL		0.00	
139.00	MBL		0.28	
140.00	MBL		0.92	
141.00	VOL	CHL	0.77	
142.00	VOL	CHL	2.48	
143.00	VOL	CHL	0.10	
144.00	VOL	CHL	3.87	
145.00	VOL	CHL	0.10	
146.00	VOL	CHL	3.91	
147.00	VOL	CHL	2.70	
148.00	VOL	CHL	4.40	
149.00	VOL	CHL	9.92	
150.00	VOL	CHL	0.00	
151.00	VOL	CHL	0.63	
152.00	VOL	CGL	0.47	
153.00	VOL	CGL	3.95	
154.00	VOL	CGL	1.50	
155.00	VOL	CGL	3.95	
156.00	VOL	CGL	0.27	
157.00	VOL		0.75	
158.00	VOL		1.17	
159.00	VOL		2.41	
160.00	VOL		0.80	
161.00	VOL		1.00	
162.00	VOL		1.20	
163.00	VOL		1.86	
164.00	VOL		2.96	
165.00	VOL		0.98	
166.00	VOL		0.86	
167.00	VOL		1.61	
168.00	VOL		0.91	
169.00	VOL		1.84	
170.00	VOL		1.88	
171.00	VOL	CGL	0.71	
172.00	VOL	CGL	0.53	
173.00	VOL	CGL	1.39	
174.00	VOL	CGL	1.84	
175.00	VOL	CGL	0.95	
176.00	VOL	CGL	1.37	
177.00	VOL	CGL	1.13	
178.00	VOL	CGL	0.98	
179.00	VOL	CGL	0.69	
180.00	VOL	CGL	1.55	
181.00	VOL	CGL	1.93	
182.00	VOL	CGL	0.69	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00	VOL	CGL	0.65	
184.00	VOL	CGL	1.68	
185.00	VOL	CGL	3.36	
186.00	VOL	CGL	0.65	
187.00	VOL	CGL	0.16	
188.00	LST		0.00	
189.00	LST		0.18	
190.00	LST		0.31	
191.00	LST		1.46	
192.00	LST		1.20	
193.00	LST		0.20	
194.00	LST		0.00	
195.00	LST		0.58	
196.00	LST		0.00	
197.00	LST		0.54	
198.00	LST		0.07	
199.00	LST		0.20	
200.00	LST		0.38	
201.00	LST		0.05	
202.00	LST		0.07	
203.00	LST		0.09	
204.00	LST		0.82	
205.00	LST		0.36	
206.00	LST		1.06	
207.00	LST		0.25	
208.00	LST		0.87	
209.00	LST		1.22	
210.00	LST		1.75	
211.00	LST		1.17	
212.00	LST		1.39	
213.00	LST		0.00	
214.00	LST		0.27	
215.00	LST		1.07	
216.00	LST		1.15	
217.00	LST		1.06	
218.00	LST		0.00	
219.00	LST		0.67	
220.00	LST		1.70	
221.00	LST		1.35	
222.00	LST		0.42	
223.00	LST		0.23	
224.00	LST		0.27	
225.00	LST		0.54	
226.00	LST		1.33	
227.00	LST		1.97	
228.00	LST		0.38	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
229.00	LST		0.45	
230.00	LST		0.42	
231.00	LST		0.60	
232.00	LST		0.16	
233.00	LST		0.47	
234.00	LST		0.51	
235.00	LST		0.32	
236.00	LST		0.58	
237.00	LST	LIM	0.64	
238.00	LST	LIM	0.78	
239.00	LST		0.87	
240.00	LST		1.07	
241.00	LST		1.35	
242.00	LST		1.72	
243.00	LST		0.00	
244.00	LST		0.53	
245.00	LST		0.47	
246.00	VOL	CHL	2.06	
247.00	VOL	CHL	5.18	
248.00	VOL	CHL	0.00	
249.00	VOL	CHL	1.53	
250.00	VOL	CHL	0.89	
251.00	VOL	CHL	0.76	
252.00	VOL	CHL	0.95	
253.00	VOL	CHL	2.92	
254.00	VOL	CHL	1.04	
255.00	VOL	CHL	0.82	
256.00	VOL	CHL	0.54	
257.00	VOL	CHL	0.91	
258.00	VOL	CHL	1.73	
259.00	VOL	CHL	0.38	
260.00	VOL	CHL	1.70	
261.00	VOL	CHL	0.00	
262.00	VOL	CHL	16.00	
263.00	MBL		0.00	
264.00	MBL		0.07	
265.00	LST		0.09	
266.00	LST		0.00	
267.00	LST		1.11	
268.00	LST		1.93	
269.00	LST		0.86	
270.00	LST		0.84	
271.00	LST		0.71	
272.00	LST		1.48	
273.00	LST		1.31	
274.00	LST		0.29	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
275.00	LST		1.53	
276.00	LST		0.00	
277.00	LST		0.00	
278.00	LST		1.22	
279.00	LST		0.21	
280.00	LST		1.06	
281.00	LST	OX	0.71	
282.00	LST	OX	3.91	
283.00	LST	OX	1.26	
284.00	LST	OX	0.78	
285.00	LST	OX	1.40	
286.00	LST	OX	2.17	
287.00	LST	OX	0.98	
288.00	LST	OX	0.00	
289.00	LST	OX	0.20	
290.00	LST	OX	0.00	
291.00	LST	OX	0.25	
292.00	LST	OX	0.18	
293.00	LST	OX	0.09	
294.00	LST	OX	0.00	
295.00	LST	OX	2.52	
296.00	LST	OX	3.09	
297.00	OX		0.00	
298.00	LEP	OX	0.00	
299.00	LEP	OX	0.18	
300.00	LEP	OX	0.49	
301.00	LEP	OX	0.93	
302.00	LEP	OX	2.32	
303.00	LEP	OX	4.75	
304.00	LEP	OX	0.32	
305.00	LEP	OX	0.12	
306.00	LEP	OX	0.84	
307.00	LEP	OX	0.00	
308.00	LEP	OX	0.00	
309.00	LEP	OX	0.00	
310.00	LEP	OX	5.25	
311.00	LST	DOL	0.51	
312.00	LST	DOL	1.70	
313.00	LST	DOL	0.62	
314.00	LST	DOL	2.25	
315.00	LST	DOL	0.34	
316.00	LST	DOL	0.76	
317.00	LST	DOL	1.55	
318.00	LST	DOL	1.24	
319.00	LST	DOL	0.00	
320.00	LST	DOL	1.33	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
321.00	LST	DOL	0.00	
322.00	LST	DOL	0.00	
323.00	LST	DOL	0.00	
324.00	LST	DOL	N/A	VOID
325.00	LST	DOL	1.57	
326.00	LST	DOL	0.64	
327.00	LST	DOL	2.06	
328.00	LST	DOL	0.00	
329.00	LST	DOL	1.17	
330.00	LST	DOL	1.44	
331.00	LST	DOL	2.69	
332.00	LST	DOL	1.33	
333.00	LST	DOL	1.88	
334.00	LST	DOL	0.25	
335.00	LST	DOL	0.96	
336.00	LST	DOL	1.61	
337.00	LST	DOL	3.01	
338.00	LST	DOL	0.64	
339.00	LST	DOL	0.75	
340.00	LST	DOL	1.09	
341.00	LST	DOL	3.33	
342.00	LST	DOL	0.86	
343.00	LST	DOL	0.20	EOH

DENSITY LOG

HOLE: Rau-10-107

Depth (m)	Unit	Modifier	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
			Py %	As %	Other	%							
80.84	LST	DOL						15.0	6.1	1201.2	761.8	2.77	2.73
101.15	LST	FOS						14.4	6.1	1155.1	743.6	2.77	2.81
132.30	LST	FOS						14.8	5.0	804.4	509.1	2.73	2.72
145.94	VOL							15.0	5.0	886.4	589.8	2.97	2.99
160.90	VOL							15.3	5.0	864.6	557.7	2.84	2.82
175.35	VOL	AM						15.0	5.0	835.2	538.8	2.80	2.82
188.46	MBL							14.9	5.0	803.2	509.0	2.71	2.73
200.90	LST	cBX						14.5	5.0	779.2	491.9	2.70	2.71
211.16	LST	BN			Po	t		15.1	5.0	848.8	547.8	2.82	2.82
242.85	LST							14.9	5.0	803.7	509.4	2.71	2.73
259.11	VOL	FOS						14.9	5.0	824.3	527.3	2.78	2.78
271.81	LST							15.1	5.0	811.7	513.3	2.70	2.72
282.13	MBL	OX						15.1	5.0	825.2	526.3	2.75	2.76
294.13	LST	OX						14.7	5.0	771.0	470.5	2.64	2.57
307.89	LEP							14.7	5.0	830.6	534.5	2.84	2.81

BOX LOG

HOLE: Rau-10-107

BOX	FROM (m)	TO (m)
1	2.88	6.71
2	6.71	10.61
3	10.61	14.45
4	14.45	18.52
5	18.52	22.57
6	22.57	26.52
7	26.52	30.41
8	30.41	34.47
9	34.47	38.36
10	38.36	42.32
11	42.32	46.33
12	46.33	50.30
13	50.30	53.85
14	53.85	57.70
15	57.70	61.68
16	61.68	65.77
17	65.77	69.63
18	69.63	73.76
19	73.76	77.87
20	77.87	81.69
21	81.69	85.95
22	85.95	89.87
23	89.87	93.86
24	93.86	97.80
25	97.80	101.85
26	101.85	105.77
27	105.77	109.85
28	109.85	113.72
29	113.72	115.25
30	115.25	121.01
31	121.01	126.19
32	126.19	131.87
33	131.87	137.34
34	137.34	142.75
35	142.75	148.44
36	148.44	153.73
37	153.92	159.05

BOX	FROM (m)	TO (m)
38	159.05	164.24
39	164.24	169.67
40	169.67	174.65
41	174.65	180.22
42	180.22	185.56
43	185.56	190.95
44	190.95	196.23
45	196.23	201.69
46	201.69	206.91
47	206.91	212.36
48	212.36	217.68
49	217.68	222.89
50	222.89	227.69
51	227.69	233.39
52	233.39	238.75
53	238.75	244.05
54	244.05	249.39
55	249.39	254.69
56	254.69	260.12
57	260.12	265.02
58	265.02	270.45
59	270.45	275.10
60	275.10	281.38
61	281.38	286.29
62	286.29	291.97
63	291.97	297.72
64	297.72	302.90
65	302.90	308.11
66	308.11	313.35
67	313.35	318.63
68	318.63	325.22
69	325.22	330.59
70	330.59	336.02
71	336.02	341.28
72	341.28	343.51
343.51 m - E.O.H.		

BOX LOG

EOH

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
10+175NE	10+250NW	528462	7119342	1370	154.54

ZONE: Oxide

SECTION: 10+250NW

HOLE: **Rau-10-108**

CLAIM:

Contractor: Superior

Drill: 2

Core size: HQ

Casing depth: 1.52 m out in / out

Drilling dates: August 8-11, 2010

Geology logged by: K. Unger

TARGET: Down dip extension of Oxide Zone.

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-60.0	compass				
124.06	229	-60.0	Ranger				
139.30	231	-60.0	Ranger				
154.53	233	-60.3	Ranger				

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	2.44	2.44	OVB	No recovery
2.44	86.26	83.82	LST, DOL	Variably DOL altered LST.
86.26	115.68	29.42	OX	
115.68	154.54	38.86	LST, OX	Intermittent zones of intense OX alt. DOL alt. LST.
154.54	E.O.H.			

SAMPLES

Numbers: I076889-I076919, I076935-I076946

Total: 43

Batch: 67, 68, 69

Date Sent: August 13, 16 2010

Certificate: VA10114593, VA10114597, VA10114595

COMMENTS

The hole was ended because it was past the target depth.

GEOLOGY LOG

HOLE: Rau-10-108

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	2.44	2.44				OVB			Overbburden, no recovery																		
2.44	86.26	83.82				LST	DOL	BX	Light to dark grey, variably BX, FG to CG LST with trace fossils. Rock is cBX to sBX, and mottled "camo" BX in texture. Weak MBL alteration and trace SIL alteration are seen intermittently through interval. Brown and tan coloured sediments appear with depth exhibiting rythmic and graded bedding (speliothems?) supporting LST clasts. Dissolution textures are variably present, stylolitic bands appear to be more common in cBX textures.					i				MBL	w								
																		SIL	t								
			3.96	6.90	2.94	LST	SIL	MO	Dark grey, FG to MG, mottled, moderately-strong SIL altered LST. Core is harder than typical DOL altered or unaltered LST. Some moderate fizzing with HCl is noted. A dark, FG "matrix" supports medium-dark grey, MG, rounded "clasts" (bioturbation?). Trace fossils are present, favocites fragments and posible amphipora fossils are seen. At times, the dark, FG matrix appears near stylolitic in texture.									SIL	ms								
									A very weak FO is defined by mottled "clast" orientation and dissolution texture orientation, 80 degrees TCA.	FO	80																
			6.90	10.83	3.93	LST	DOL	BX	Medium to dark grey, FG to CG, variably BX to clastic, strongly DOL altered LST. Rock variably exhibits sBX and tBX textures. Sparry white infilling of sBX voids are present throughout, variably supporting FG LST (lime mud) clasts. lCN is gradational, becoming lighter and more coarse with cBX and dissolution textures becoming more evident with depth.	lCN				s													
									A weak FO is defined by BX fabric and clast orientation, generally 50 to 60 degrees TCA.	FO	55																

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	Photo
			10.83	15.91	5.08	LST	MBL	BX	Light to medium grey, CG to FG, fairly cBX, strongly MBL altered LST. Dissolution textures and stylolites are variably exhibited throughout. Interval fizzes readily with HCl. Generally rock appears CG, sucrosic recrystalized LST with dark grey, FG, narrow <1 mm cBX to stylolite bands at various orientations throughout. Where cBX textures are strongest, core appears near mBX in texture with small, <5 mm clasts supported by a dark, FG matrix. MBL alteration increases with depth, with a moderate banded texture where MBL alteration is strongest. Weak yellow limonitic staining is present on fracture surfaces.									MBL	s											
																		LIM	w									
									FO is defined by orientation of banding in MBL and a shared orientaion in a small majority of stylolites and cBX textures, 65-80 degrees TCA, but generally 70 degrees throughout.	FO	70																	
			15.91	42.99	27.08	LST	DOL	BX	Medium to dark grey, FG to CG, variably brecciated, intensely DOL altered LST. Vaiable mottled camo texture occur with sBX textures overprinting and crosscutting the mottled texture. sBX textures are variable in frequency and strength throughout. They contain intermittant sparry fractures ~2 mm wide to 2 cm voids with sparry white calcite crystals. Trace fossils in the form of crinoid stem fragments, and halycities are present. Mottled and brecciated textures become convolute with depth (strain?). Foliation angle decreases with depth.					i													x
			15.91	20.45					Up hole where FO is defined by MO orientation, FO is 80 degrees TCA.	FO	80																	
			20.45	42.99					FO becomes shallower below 20.45 m, 55 to 60 degrees TCA. Where textures become convolute, FO is oriented 50 degrees TCA.	FO	55																	

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			42.99	60.35	17.36	LST	DOL	BX	Medium grey to brown, MG to CG variably brecciated intensely DOL altered LST. The interval is mainly sBX but also shows brown to tan MG sands to silty bedding with occasional sparry infilling of the voids. Clasts are uniform, medium to dark grey, FG to MG LST supported by a matrix that exhibits alternating layers of medium grained brown to tan coloured sands to darker silts. In spots possible crossbedding is exhibited. Bituamous, soft black crystals fills crystal gaps in the sparry sBX matrix. Increase in sparry matrix with depth. Ca filled fractures occur throughout at times offseting banding. Core is compotent but can be blocky to rubbly down to <3 mm fragments.					i													x
									Where defined by bedding, FO is 70 to 90 degrees TCA.	FO	80															
									A weak FO is defined by BX orientation, becoming shallower with depth, 50 to 60 degrees TCA.	FO	55															
									White, CG, Ca-Qz VT, 75 degrees TCA, 10 to 11 cm wide at 46.21 m, and again at 47.00 m. Core is rubbly at second VN, attitude and orientation are unavailable.	VN	75	n/a														
									Ca filled fractures oriented sup-parallel to CA are intermittent throughout. Where passing through bedded speliothem, 2 mm offset is exhibited at 56.90 m.	VT	0															
			60.35	86.26	25.91	LST		BN	Dark to medium grey to rusty-brown, FG to MG, banded/bedded LST with soft, brown beds. LST exhibits fine, mm-scale laminations of medium and dark grey, FG beds with rusty brown beds intermittently throughout. Frequency of brown bands increases with depth. Core is blocky to sub-fissile, fracturing along bedding planes, to rubbly. Frequency of rubbly core increases with depth. lCN is sharp, but obscured by broken, blocky core, becoming yellow OX below.	lCN				i												
									Foliation is defined by laminated texture	FO	80															

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
86.26	115.68	29.42				OX			Red-brown to yellow-brown, compotent to very soft clay-silty like OX. Moderate-strong SID alteration is present with gritty to fine rubble, dark rusty-brown core. Hardness and grain size of OX is variable throughout. Trace Qz grit present, locally in bands up to several mm wide. Intermittent zones of weak to moderate OX altered zones up to 20 cm in width are present variably throughout, but are not common.							i	ms										
			86.26	93.50	7.24	OX			Yellow-brown to orange-brown, soft, gritty to clay OX. Some fissile rubbly core is present up hole. A few, blue-grey-orange bands up to 8 cm in width are intermittent throughout (relict LST?). At 42.00 m, an unoxidized, medium grey, zone ~18 cm of core length with irregular margins is present. LST protolith exhibits laminate, fine beds of alternating light and medium grey bands/beds up to a few mm thick. Protolith fizzes readily with HCl. lCN is gradational, becoming darker over 12-15 cm.	lCN						i												
									In the limestone protolith, the FO is defined by its laminated fabric, oriented 45 degrees TCA. There is no visible FO in intensely OX rock.	FO	45															
			93.50	98.45	4.95	OX			Dark brown-red, blocky to gritty to clay-like, soft, strongly SID altered OX. Core appears as earthy blocks to dark red-brown rubble with a glassy lustre to soft, rusty orange-brown silty clays. On fractures of compotent core, rusty orange bands 2.1 cm wide oriented shallow to CA cross-cutting dark, SID altered core. T race yellow limoninte is present as <1 mm crystals on fracture faces with coarse, glassy siderite crystals, with soft, rusty-orange blebs <2 mm in size.							i	s	LIM	t								
									A lack of a uniform fabric or common orientation precludes a FO.	FO	n/a															
			98.45	107.59	9.14	OX			Rusty orange to rusty red, soft, clay-like to gritty OC. Trace Qz gravel to grit is present in bands up to a couple of cm variably throughout. Fair SID alteration is present variably throughout, bands up to 7.8 cm wide exhibit dark red-brown SID alteration. Blocky, re-drilled LST core at 104.55 m appears to be sluffing from above.							i	f										
									A lack of a uniform fabric or common orientation precludes a FO.	FO	n/a															

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			107.59	109.80	2.21	OX			Rusty red, gritty to blocky, very soft OX. Fair SID alteration is variable throughout. Trace creamy white-yellow, soft bands 4 mm in width locally associated with a sinuous, 2 mm wide SID VT at 108.80 m. On fractures, core appears dark and earthy where SID altered and rusty red to orange elsewhere.							i	f									
									A lack of a uniform fabric or common orientation precludes a FO.	FO	n/a																
			109.80	115.68	5.88	OX	LST		Rusty red to red-grey, soft gritty-clay to component OX with intervals of strongly to moderate-strongly altered protolith. Generally, interval is gritty, rusty red-orange OX. Intermittent bands of protolith from 3 cm to 41 cm in width throughout. Narrow protolith bands exhibit stronger OX alteration than wider bands. Widest LST protolith band is found at 110.40 m, exhibiting a relict cBX texture and is grey-green to creamy white. Protolith fizzes readily with HCl. Narrower bands of protolith lack relict textures, but appear similar in colour and in hardness as widest LST band. lCN is sharp, with a fracture oriented 90 degrees TCA. Rock becomes grey LST 6 cm below fracture.							i										
									A lack of a uniform fabric or common orientation precludes a FO.	FO	n/a																
115.68	154.54	38.86				LST	OX	BN	Medium grey to rusty red, strongly DOL altered, strongly OX altered, FG to CG LST. Intermittent bands of intensely OX rock 2 to 35 cm wide lay between intervals of DOL altered LST up to 1.95 cm wide. DOL altered LST exhibits variable OX alteration from moderate to intense. Where not obliterated by OX, DOL altered LST exhibits sBX textures and sparry infilling of voids with trace amounts of bituminous material. Qz veining is intermittent throughout. Bright red staining of sparry matrix minerals (HEM?) variable throughout. Trace crinoid fossils are present. OX alteration decreases with depth.					s		s	f									
									A moderate FO is defined by BX orientation where present, 50 degrees TCA.	FO	50																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	Photo
									White, translucent CG Qz VN, oriented 25 degrees TCA, 2.9 cm widewith TLC alteration of Ca minerals. VN is located at 128.26 m, with similar veins at 127.75 m and 128.50 m, 1.8 and 1.0 cm in width respectively. Veins are commonly oriented. Foliation is not present locally, a measurment of attitude to FO unavailable.	VN	25	n/a																
									Pinkish red to yellow-white, CG, Qz-rhodochrosite-Ak-Ca VN with blood red, MG hematite along vein margins. Trace rusty Py dodecahedrons are dispersed throughout vein, <1.0 mm in size. At times, Py exhibits black halos around Py crystals. Qz is present as CG, blebs interstittially between MG Ak-Rh-Ca crystals. LIM alteration is present on a fracture face of VN. The vein is 4.1 cm wide, oriented 30 degrees TCA and 180 degrees to FO, and is found at 132.20 m.	VN	30	180						LIM	w	t						x
									Grey brown, earthy, CG, vuggy SID VT with HEM staining, cross-cutting a sinuous, Qz-Ca-FEC VT (related to above vein?) oriented 30 degrees TCA and 270 degrees to SID VT.	VN	30	n/a																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			135.03	139.08	4.05	OX	LST		Brick red to rusty grey, very soft to hard, gritty to compotent OX with intervals of variably OX altered DOL-LST. Dark red-brown zones of SID alteration up to 4 cm in width are intermittent throughout. Where intensely OX, material meets more compotent, less OX altered protolith OX-DOL-LST along irregular contacts oriented 50 degrees TCA. These contacts are found at 136.84 m, 137.01 m and 138.15 m. Contacts with protolith are sandy brown to yellow, limonitic grit, with coarse, <2 mm rust-orange siderite(?) crystals throughout the gritty contacts. Generally OX is gritty to rubbly, brick red to rusty orange with limonitic patches proximal to protolith contacts. Partially oxidized protolith can be found 136.41 to 137.01 m, and again from 138.15 m and below, exhibiting strong OX alteration to lCN. Relict textures in protolith are obscured by OX alteration. Protolith exhibiting less than intense OX alteration is hard and compotent, apearing yellow-brown to rusty grey. A preferential fracturing is seen in core, particularily in protolith below 138.70 m, oriented 60 to 70 degrees TCA. At 139.50 m, a fracture face oriented 0 degrees TCA exhibits a relic cBX texture oriented 60 degrees TCA, parallel with fracturing. lCN is gradational, becoming more grey and less yellow-brown OX over 15 cm.	CN				s		i	ms	LIM	m								
									A weak FO is defined by preferential fracturing in strongly OX rock and in relict cBX textures, 60 to 70 degrees TCA. This FO is intermittent throughout sub-interval.	FO	65															
									A FO is defined by a common orientation between OX and protolith contacts where present, oriented 50 degrees TCA.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			139.08	154.54	15.46	LST	DOL	BX	Dark grey-green to creamy white with Fe staining intermittent throughout, FG to CG, variably BX, intensely DOL altered LST with moderate OX alteration. Core is compotent to rubbly, exhibiting Fe and/or OX alteration most strongly where core appears rubbly. BX textures are variable from sBX generally to mottled, "camo" BX. Textures are often obscured by OX textures overprinting relict BX fabrics. Sparry sBX matrix is variably ANK-SID altered, at times hosting MG dull Py crystals <2 mm in size. Intermittent, HEM staining along fracture faces and occasionally persisting into the rock is intermittent throughout.					i	m	m	ms	HEM	m								x
									A weak FO is defined by a common BX orientation and fabric where present, oriented 40 degrees TCA.	FO	40																
									154.54 m: E.O.H. - The hole was ended because it was well past targeted OX zone.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-108

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
77.14	80.16	3.02	LST		2.30	76	I076889	67	0.01	0.05	60	0.33	
80.16	83.21	3.05	LST		1.70	56	I076890	67	0.01	0.18	104	1.80	
83.21	86.26	3.05	LST		0.75	25	I076891	67	0.03	0.78	128	0.88	Poor recovery
86.26	87.78	1.52	OX		1.50	99	I076892	67	0.08	5.78	3960	25.60	
87.78	89.31	1.53	OX		1.19	78	I076893	67	0.25	3.15	4880	4.76	
89.31	90.83	1.52	OX		1.35	89	I076895	67	0.23	1.18	6460	17.25	
90.83	92.35	1.52	OX		1.27	84	I076896	67	0.20	2.96	9660	34.40	
92.35	93.88	1.53	OX		1.41	92	I076897	67	0.21	4.94	19200	72.50	
93.88	95.40	1.52	OX		1.19	78	I076899	67	0.27	1.73	50600	220.00	
95.40	96.93	1.53	OX		1.25	82	I076900	67	3.00	1.06	80900	597.00	
96.93	98.45	1.52	OX		1.26	83	I076901	67	9.74	0.91	62500	494.00	
98.45	101.50	3.05	OX		0.36	12	I076902	67	1.14	2.82	47700	97.50	No recovery from 99.97-101.50m
101.50	103.02	1.52	OX		1.34	88	I076903	68	16.60	5.81	60600	1150.00	
103.02	104.55	1.53	OX		1.26	82	I076904	68	3.29	0.74	43500	400.00	
104.55	106.07	1.52	OX		0.69	45	I076905	68	1.07	0.56	9910	124.50	
106.07	107.59	1.52	OX		1.37	90	I076906	68	6.92	0.47	42200	611.00	
107.59	109.12	1.53	OX		1.20	78	I076907	68	3.17	0.27	16950	728.00	
109.12	110.64	1.52	OX		1.31	86	I076908	68	1.58	0.19	10000	174.00	
110.64	112.17	1.53	OX		1.00	65	I076910	68	3.51	0.30	10200	321.00	
112.17	113.69	1.52	OX		1.10	72	I076911	68	12.70	0.64	14100	466.00	
113.69	115.68	1.99	OX		1.25	63	I076912	68	9.81	0.54	12200	508.00	
115.68	118.73	3.05	LST	OX	3.01	99	I076914	68	0.33	0.05	1340	9.89	
118.73	121.31	2.58	LST	OX	2.08	81	I076915	68	0.18	0.10	1360	1830.00	
121.31	123.44	2.13	LST	OX	2.08	98	I076916	68	0.04	0.05	743	54.70	
123.44	125.44	2.00	LST	OX	1.84	92	I076917	68	0.31	0.16	6270	271.00	High As and Au on XRF
125.44	128.49	3.05	LST	OX	2.76	90	I076918	68	0.10	0.15	741	18.50	
128.49	131.49	3.00	LST	OX	2.58	86	I076935	68	0.12	0.52	1030	8.29	
131.49	133.50	2.01	LST	OX	1.62	81	I076936	68	0.09	0.16	405	6.56	
133.50	135.03	1.53	LST	OX	1.20	78	I076937	68	0.11	1.86	1300	120.00	
135.03	136.55	1.52	OX	LST	1.10	72	I076938	68	0.31	12.45	4980	2190.00	
136.55	138.07	1.52	OX	LST	1.11	73	I076939	69	0.11	13.15	1760	124.50	
138.07	139.60	1.53	OX	LST	1.53	100	I076940	69	0.16	3.73	755	43.60	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
139.60	142.65	3.05	LST	OX	1.36	45	I076941	69	0.03	0.69	146	2.31	
142.65	145.69	3.04	LST	OX	1.82	60	I076942	69	0.02	0.10	124	2.88	
145.69	148.72	3.03	LST	OX	0.96	32	I076944	69	0.02	0.07	149	2.86	
148.72	151.79	3.07	LST	OX	2.62	85	I076945	69	0.02	0.07	118	15.50	
151.79	154.54	2.75	LST	OX	1.64	60	I076946	69	0.01	0.16	80	3.27	
-	-	-	-	-	-	-	I076894	67	<0.01	0.01	20	0.06	Blank (HQ)
-	-	-	-	-	-	-	I076898	67	1.42	0.57	85	1.31	Standard ROS-2
-	-	-	-	-	-	-	I076909	68	0.01	0.01	52	0.66	Blank (HQ)
-	-	-	-	-	-	-	I076913	68	1.42	0.63	91	1.48	Standard ROS-2
-	-	-	-	-	-	-	I076919	68	<0.01	0.01	16	0.34	Blank (HQ)
142.65	145.69	3.04	LST	OX	1.82	60	I076943	69	0.05	0.07	92	2.49	Duplicate

GEOTECHNICAL LOG

HOLE: Rau-10-108

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
2.49	3.96	1.47	1.24	84	0.37	25	MS			
3.96	5.49	1.53	1.43	93	0.64	42	MS			
5.49	7.01	1.52	1.19	78	0.39	26	MS			
7.01	8.53	1.52	1.49	98	0.76	50	MS			
8.53	10.06	1.53	1.42	93	0.84	55	MS			
10.06	11.58	1.52	1.40	92	0.69	45	MS			
11.58	13.11	1.53	1.40	92	0.91	59	MS			
13.11	14.63	1.52	1.35	89	0.73	48	MS			
14.63	16.15	1.52	1.52	100	0.58	38	MS			
16.15	17.68	1.53	1.37	90	0.91	59	MS			
17.68	19.20	1.52	1.52	100	0.90	59	MS			
19.20	20.73	1.53	1.41	92	1.20	78	MS			
20.73	22.25	1.52	1.38	91	0.88	58	MS			
22.25	23.77	1.52	1.52	100	1.05	69	MS			
23.77	25.30	1.53	1.44	94	1.39	91	MS			
25.30	26.82	1.52	1.45	95	1.28	84	MS			
26.82	28.35	1.53	1.51	99	1.34	88	MS			
28.35	29.87	1.52	1.42	93	0.97	64	MS			
29.87	31.39	1.52	1.44	95	1.00	66	MS			
31.39	32.91	1.52	1.47	97	0.74	49	MS			
32.91	34.44	1.53	1.34	88	1.11	73	MS			
34.44	35.97	1.53	1.45	95	0.93	61	MS			
35.97	37.49	1.52	1.38	91	0.78	51	MS			
37.49	39.01	1.52	1.45	95	0.22	14	MS			
39.01	40.54	1.53	1.44	94	0.58	38	MS			
40.54	42.06	1.52	1.52	100	0.83	55	MS			
42.06	43.59	1.53	1.46	95	0.56	37	MS			
43.59	45.11	1.52	1.52	100	0.99	65	MS			
45.11	46.63	1.52	1.23	81	0.00	0	MS			
46.63	48.16	1.53	1.36	89	0.21	14	MS			
48.16	49.68	1.52	0.66	43	0.00	0	MS			
49.68	51.21	1.53	0.69	45	0.00	0	W			
51.21	52.73	1.52	1.42	93	0.00	0	MS			
52.73	54.25	1.52	1.09	72	0.00	0	W	MW		
54.25	55.78	1.53	0.50	33	0.00	0	MS	SW		
55.78	57.30	1.52	1.19	78	0.00	0	W	SW		
57.30	58.83	1.53	1.20	78	0.38	25	MS	SW		
58.83	60.35	1.52	1.40	92	0.44	29	MS	SW		
60.35	61.57	1.22	1.22	100	0.00	0	MS	MW		
61.57	63.40	1.83	1.04	57	0.00	0	MS	MW		
63.40	64.92	1.52	1.22	80	0.12	8	MS	MW		
64.92	66.45	1.53	0.99	65	0.12	8	MS	MW		
66.45	67.97	1.52	1.46	96	0.31	20	MS	MW		
67.97	69.49	1.52	1.52	100	0.50	33	MS	MW		
69.49	71.02	1.53	1.37	90	0.38	25	MS	SW		
71.02	72.54	1.52	1.35	89	0.14	9	MS	SW		
72.54	74.07	1.53	1.38	90	0.00	0	MS	SW		
74.07	75.59	1.52	1.24	82	0.10	7	MS	SW		
75.59	77.11	1.52	1.49	98	0.14	9	MS	SW		
77.11	78.64	1.53	1.53	100	0.14	9	MS	SW		
78.64	80.16	1.52	0.89	59	0.00	0	MS	SW		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
80.16	81.69	1.53	1.01	66	0.00	0	MS	SW		
81.69	83.21	1.52	0.91	60	0.00	0	MS	SW		
83.21	84.73	1.52	0.39	26	0.00	0	MS	SW		
84.73	86.26	1.53	0.44	29	0.00	0	MS	SW		
86.26	87.78	1.52	1.52	100	0.00	0	EW	EW	7.5YR5/8	OXIDE
87.78	89.31	1.53	1.23	80	0.00	0	EW	EW	7.5YR5/8	OXIDE
89.31	90.83	1.52	1.52	100	0.00	0	EW	EW	7.5YR5/6	OXIDE
90.83	92.35	1.52	1.30	86	0.22	14	EW	EW	7.5YR5/6	OXIDE
92.35	93.88	1.53	1.45	95	0.00	0	EW	EW	7.5YR5/6	OXIDE
93.88	95.40	1.52	1.31	86	0.00	0	EW	EW	2.5YR4/4	OXIDE
95.40	96.93	1.53	1.36	89	0.00	0	EW	EW	2.5YR4/4	OXIDE
96.93	98.45	1.52	1.24	82	0.00	0	EW	EW	2.5YR4/4	OXIDE
98.45	99.97	1.52	0.43	28	0.00	0	EW	EW	2.5YR4/4	OXIDE
99.97	101.50	1.53	0.00	0	0.00	0	N/A	N/A	N/A	No recovery
101.50	103.02	1.52	1.38	91	0.00	0	EW	EW	2.5YR4/4	OXIDE
103.02	104.55	1.53	1.35	88	0.00	0	EW	EW	2.5YR4/4	OXIDE
104.55	106.07	1.52	0.68	45	0.00	0	EW	EW	2.5YR4/4	OXIDE
106.07	107.59	1.52	1.41	93	0.00	0	EW	EW	2.5YR4/4	OXIDE
107.59	109.12	1.53	1.31	86	0.00	0	EW	EW	2.5YR4/4	OXIDE
109.12	110.64	1.52	1.32	87	0.20	13	EW	EW	2.5YR4/4	OXIDE
110.64	112.17	1.53	1.04	68	0.00	0	EW	EW	2.5YR4/4	OXIDE
112.17	113.69	1.52	1.17	77	0.00	0	EW	EW	5YR4/4	OXIDE
113.69	115.21	1.52	0.89	59	0.00	0	EW	EW	5YR4/4	OXIDE
115.21	116.74	1.53	1.44	94	0.92	60	MS	MW	5YR4/4	40 cm of Oxide
116.74	118.26	1.52	1.52	100	1.52	100	MS	SW		
118.26	119.79	1.53	1.32	86	1.09	71	MS	MW	5YR4/3	30cm of Oxide
119.79	121.31	1.52	1.34	88	1.25	82	MS	SW		
121.31	122.83	1.52	1.52	100	1.45	95	MS	SW		
122.83	124.36	1.53	1.39	91	1.23	80	MS	MW	5YR4/4	15cm of Oxide
124.36	125.88	1.52	1.52	100	0.94	62	MS	MW	7.5YR4/4	42cm of Oxide
125.88	127.41	1.53	1.42	93	0.51	33	MS	MW	5YR4/1 5YR4/2	25cm of Oxide
127.41	128.93	1.52	1.50	99	1.35	89	MS	SW		
128.93	130.45	1.52	1.26	83	0.47	31	MS	HW	5YR4/4	65cm of Oxide
130.45	131.98	1.53	1.46	95	0.82	54	W	MW		
131.98	133.50	1.52	1.50	99	0.30	20	MS	MW		
133.50	135.03	1.53	1.20	78	0.68	44	MS	MW		
135.03	136.55	1.52	1.10	72	0.00	0	W	HW		
136.55	139.60	3.05	2.55	84	0.55	18	W	HW		
139.60	141.12	1.52	1.42	93	0.88	58	MS	MW		
141.12	142.65	1.53	1.36	89	1.14	75	MS	SW		
142.65	144.17	1.52	1.52	100	1.21	80	MS	SW		
144.17	145.69	1.52	1.30	86	0.65	43	MS	SW		
145.69	147.22	1.53	1.45	95	0.56	37	MS	SW		
147.22	148.72	1.50	1.50	100	0.40	27	MS	SW		
148.72	150.27	1.55	1.30	84	0.13	8	MS	SW		
150.27	151.79	1.52	1.32	87	0.25	16	MS	SW		
151.79	153.31	1.52	1.52	100	1.24	82	MS	SW		
153.31	154.54	1.23	1.22	99	0.40	33	MS	SW		
154.54	E.O.H.									

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-108

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00			N/A	Overburden
2.00			N/A	Overburden
3.00	LST	DOL	0.00	
4.00	LST	SIL	2.16	
5.00	LST	SIL	0.00	
6.00	LST	SIL	0.00	
7.00	LST	DOL	0.36	
8.00	LST	DOL	0.00	
9.00	LST	DOL	0.00	
10.00	LST	DOL	1.10	
11.00	LST	MBL	0.67	
12.00	LST	MBL	3.07	
13.00	LST	MBL	0.00	
14.00	LST	MBL	0.00	
15.00	LST	MBL	2.18	
16.00	LST	DOL	0.00	
17.00	LST	DOL	3.66	
18.00	LST	DOL	0.00	
19.00	LST	DOL	0.00	
20.00	LST	DOL	0.00	
21.00	LST	DOL	0.00	
22.00	LST	DOL	2.75	
23.00	LST	DOL	1.41	
24.00	LST	DOL	0.20	
25.00	LST	DOL	0.85	
26.00	LST	DOL	2.41	
27.00	LST	DOL	0.16	
28.00	LST	DOL	0.63	
29.00	LST	DOL	0.00	
30.00	LST	DOL	0.00	
31.00	LST	DOL	1.37	
32.00	LST	DOL	5.12	
33.00	LST	DOL	2.20	
34.00	LST	DOL	1.96	
35.00	LST	DOL	1.86	
36.00	LST	DOL	3.41	
37.00	LST	DOL	0.82	
38.00	LST	DOL	0.06	
39.00	LST	DOL	0.21	
40.00	LST	DOL	0.00	
41.00	LST	DOL	0.31	
42.00	LST	DOL	0.00	
43.00	LST	DOL	0.00	
44.00	LST	DOL	2.88	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	LST	DOL	0.95	
46.00	LST	DOL	0.00	
47.00	LST	DOL	0.00	
48.00	LST	DOL	3.32	
49.00	LST	DOL	0.00	
50.00	LST	DOL	2.43	
51.00	LST	DOL	3.17	
52.00	LST	DOL	0.05	
53.00	LST	DOL	0.77	
54.00	LST	DOL	0.00	
55.00	LST	DOL	0.00	
56.00	LST	DOL	1.39	
57.00	LST	DOL	0.13	
58.00	LST	DOL	1.47	
59.00	LST	DOL	3.29	
60.00	LST		0.00	
61.00	LST		1.36	
62.00	LST		0.67	
63.00	LST		0.45	
64.00	LST		0.75	
65.00	LST		0.21	
66.00	LST		0.00	
67.00	LST		0.36	
68.00	LST		0.33	
69.00	LST		0.13	
70.00	LST		2.08	
71.00	LST		0.68	
72.00	LST		1.05	
73.00	LST		1.34	
74.00	LST		1.98	
75.00	LST		1.44	
76.00	LST		0.89	
77.00	LST		0.35	
78.00	LST		0.00	
79.00	LST		0.47	
80.00	LST		2.13	
81.00	LST		1.34	
82.00	LST		0.43	
83.00	LST		0.50	
84.00	LST		0.65	
85.00	LST		0.31	
86.00	LST		0.95	
87.00	OX		0.53	
88.00	OX		1.15	
89.00	OX		1.24	
90.00	OX		1.10	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	OX		1.27	
92.00	OX		1.46	
93.00	OX		1.24	
94.00	OX		2.46	
95.00	OX		1.51	
96.00	OX		0.80	
97.00	OX		1.44	
98.00	OX		0.84	
99.00	OX		0.63	
100.00			N/A	No recovery
101.00			N/A	No recovery
102.00	OX		0.90	
103.00	OX		0.92	
104.00	OX		0.00	
105.00	OX		0.00	
106.00	OX		0.00	
107.00	OX		0.45	
108.00	OX		0.33	
109.00	OX	LST	0.75	
110.00	OX	LST	0.10	
111.00	OX	LST	0.57	
112.00	OX	LST	0.67	
113.00	OX	LST	1.34	
114.00	OX	LST	0.55	
115.00	OX	LST	0.67	
116.00	LST	OX	0.90	
117.00	LST	OX	0.70	
118.00	LST	OX	1.24	
119.00	LST	OX	0.95	
120.00	LST	OX	0.03	
121.00	LST	OX	4.65	
122.00	LST	OX	1.05	
123.00	LST	OX	0.15	
124.00	LST	OX	0.84	
125.00	LST	OX	0.25	
126.00	LST	OX	0.73	
127.00	LST	OX	0.25	
128.00	LST	OX	0.16	
129.00	LST	OX	0.47	
130.00	LST	OX	0.16	
131.00	LST	OX	0.99	
132.00	LST	OX	4.77	
133.00	LST	OX	5.17	
134.00	LST	OX	1.42	
135.00	OX	LST	0.11	
136.00	OX	LST	0.42	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	OX	LST	0.78	
138.00	OX	LST	3.12	
139.00	OX	LST	1.86	
140.00	LST	OX	0.00	
141.00	LST	OX	2.18	
142.00	LST	OX	1.47	
143.00	LST	OX	1.91	
144.00	LST	OX	0.00	
145.00	LST	OX	2.85	
146.00	LST	OX	0.78	
147.00	LST	OX	0.00	
148.00	LST	OX	1.98	
149.00	LST	OX	2.52	
150.00	LST	OX	0.28	
151.00	LST	OX	0.62	
152.00	LST	OX	1.10	
153.00	LST	OX	5.22	
154.00	LST	OX	0.94	

DENSITY LOG

HOLE: Rau-10-108

Depth (m)	Unit	Modifier	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
			Py %	As %	Other	%							
25.00	LST	DOL						15.1	6.1	1239.1	797.5	2.84	2.81
44.45	LST	DOL						15.2	6.1	1196.1	761.0	2.72	2.75
58.58	LST	DOL						15.0	6.1	1127.6	699.8	2.60	2.64
117.71	LST	OX						15.0	6.1	1135.8	700.8	2.62	2.61
127.70	LST	DOL					OX	15.0	6.1	1181.8	740.6	2.72	2.68

HOLE: Rau-10-108

Box #	Diameter (cm)	From (m)	To (m)	Unit	Modifier	Recovery	Weight	Density	Comments
21	6.1	88.30	92.65	OX		4.01	58.5	2.29	20cm segment of LST
22	6.1	92.65	96.93	OX		3.73	56.5	2.38	
23	6.1	96.93	103.72	OX		3.77	53.5	2.23	
24	6.1	103.72	109.12	OX		3.94	57.5	2.29	
25	6.1	109.12	114.45	OX		3.95	58.0	2.30	

BOX LOG

HOLE: Rau-10-108

BOX	FROM (m)	TO (m)
1	2.44	6.40
2	6.40	10.60
3	10.60	14.63
4	14.63	18.71
5	18.71	22.65
6	22.65	26.67
7	26.67	30.79
8	30.79	34.67
9	34.67	38.74
10	38.74	42.55
11	42.55	46.53
12	46.53	51.62
13	51.62	56.42
14	56.42	60.61
15	60.61	64.53
16	64.53	68.91
17	68.91	72.92
18	72.92	77.14
19	77.14	81.89
20	81.89	88.30
21	88.30	92.65
22	92.65	96.93
23	96.93	103.72
24	103.72	109.12
25	109.12	114.45
26	114.45	118.82
27	118.82	123.28
28	123.28	127.41
29	127.41	131.46
30	131.46	135.47
31	135.47	140.28
32	140.28	144.17
33	144.17	148.18
34	148.18	152.37
35	152.37	154.54
154.54 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
10+300NW	10+200NE	528447	7119396	1406	189.89

ZONE: Tiger

SECTION: 10+300

HOLE: **Rau-10-109**

CLAIM:

Contractor: Superior

Drill: 2

Core size: HQ

Casing depth: 1.52 m out

Drilling dates: August 12-20, 2010

Geology logged by: K. Unger

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-60.0	compass				
159.41	229	-57.9	Ranger				
174.65	229	-58.0	Ranger				
189.88	229	-57.6	Ranger				

TARGET: Tiger Oxide

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	0.91	0.91	OVB	No recovery
0.91	105.90	104.99	LST	
105.90	123.24	17.34	VOL	
123.24	135.60	12.36	LST	Marbleized
135.60	144.17	8.57	OX	
144.17	189.89	45.72	LST, OX	DOL alt. LST with zones of intense OX alteration.

SAMPLES

Numbers: I077067-I077119

Total: 53

Batch: 72, 73, 74

Date Sent: August 22, 23, 27 2010

Certificate: VA10120385, VA10122418, VA10122417

COMMENTS

The hole was ended because it was past the oxide zone.

GEOLOGY LOG

HOLE: Rau-10-109

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	0.91	0.91				OVB			Overburden, no recovery																		
0.91	105.90	104.99				LST		BX	Dark to light grey, FG to CG, variably BX LST. Vuggy textures are exhibited up hole. Textures are generally sBX with white, vCG Ca matrix filling sBX voids. cBX and tBX textures are intermittent throughout. Fossil content varies throughout interval as does DOL alteration.					f													
			0.91	9.89	8.98	LST		sBX	Dark to medium grey to grey brown, vuggy, sBX LST with occasional MO textures where not sBX. CG, white calcite and grungy, dirty calcite partially fill sBX voids, most exhibit coarse vugs (weathering of Ca). Core is broken to blocky throughout, exhibiting irregular fracturing.																		
									A common foliation was not identified	FO	n/a																
			9.89	40.31	30.42	LST		sBX	Dark to light grey, FG to CG, mottled to sBX LST. Core is generally sBX in texture with coarse, white calcite filling sBX voids. At times, white, sparry dolomite crystals rim dark LST sBX clasts and are up to 3 mm in size with coarse, white Ca filling remaining void space. Trace bituminous material is present with sBX matrix minerals as small, tabular crystals infilling central void space within sBX cavities. Rare Qz crystals exhibit interstitial textures in sBX voids. Where not brecciated, the LST exhibits a mottled texture.					m			t										x
									A common foliation was not identified	FO	n/a																
									Rusty white to dark brown, CG to FG, Qz-Ca-Si vein with patchy LIM alteration on siderite and vuggy, cavity walls is found at 32.93 m, and is oriented 40 degrees TCA.	VN	40															

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			40.31	50.83	10.52	LST	DOL	sBX	Medium to dark grey, FG to CG, clastic, tBX LST exhibiting a weak vuggy texture throughout. Dark, angular clasts <1.1 cm in size are supported by a medium grey, FG to MG matrix exhibiting cataclastic textures with trace brick-red, <2 mm, euhedral to irregular, hematitic grains. Vugs are variably infilled with earthy to rusty brown minerals which fizz intermittently. Some zones of sBX textures are seen overprinting tBX, sBX clasts exhibit tBX textures and are supported by a vCG calcite sBX matrix. Occasional sparry dolomite rim clasts of tBX LST where core exhibits sBX. Intermittent, moderate-strong DOL alteration of tBX is variable throughout, core fizzes weakly to readily when scratched. Trace yellow, powdery LIM alteration is exhibited on fracture faces and on vug walls.					ms				HEM	t									x
																		LIM	t								
									A common foliation was not identified	FO	n/a																
			50.83	90.02	39.19	LST	DOL	sBX	Dark to light grey, FG to CG, variably mottled, moderately DOL altered sBX LST with trace fossils. sBX LST clasts exhibit massive, dark grey to mottled, light to dark grey textures and are often rimmed with drusy dolomite. White to dark grey calcite infills sBX voids with coarse crystals, at times exhibiting planar dissolution along cleavage planes. Core is fractured to blocky throughout, fractures are weakly uniform in orientation throughout. Trace LIM alteration is exhibited on fracture faces.					m				LIM	t									
									An intermittent FO is defined by mottled clast orientation and breccia fabric, 50 degrees TCA when present.	FO	50																
			90.02	91.20	1.18	FLT	GRT		Red brown to grey, FG to coarse rubble with gritty clay fault gouge and coarse, broken Ca crystals. Iron alteration is pervasive, except on calcite (late Ca flooding?) Rubbly clasts exhibit relict sBX textures. ICN is obscured by rubbly/blocky core. Sub-interval fizzes readily throughout. Poor recovery through FLT is noted.	FT								FEC	s								

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			91.20	93.64	2.44	LST	FOS	BX	Rusty brick red to grey brown, FG to CG, fossiliferous, Fe-OX altered tBX LST. Red colour of core is conspicuous. tBX clasts are very angular to rounded. Angular, dark grey lime mud clasts are up to 2.6 cm in size, brick-red, rounded clasts and fossil fragments are all cemented by a white calcareous matrix. Fossils present are crinoid fragments, tabulate corals (favocites?) rod-like coral and possible stachioides.																			x
									A weak FO is defined by clast orientation, most commonly 60 degrees TCA.	FO	60																
			93.64	95.35	1.71	LST		BX	Dark grey to brown red, MG to CG, sBX LST. Red-brown "clasts" at times appear bedded (speliothems?) with hematitic alteration on fracture faces. Red clasts fizz readily with acid. Moderate LIM alteration stains white sBX matrix minerals along fracture faces and margins, penetrating up to 4 mm into core. Generally red-grey textures appear mottled, lacking strong orientation or a common fabric throughout.									HEM	ms									
																		LIM	m									
									FO is weak, defined by BX textures where present, oriented 50 to 60 degrees TCA.	FO	55																		
			95.35	105.90	10.55	LST		BN	Dark grey to rusty orange, FG to MG, banded SLT with trace fossils. Rusty orange, silty, planar to irregular beds/bands lay between dark, FG lime muds with occasional coarser, medium to light grey LST beds. Bands range from 2 to 3 mm in width up to 4.2 cm. Orange bands when irregular, exhibit a sinuous nature propagation tangential to bedding planes. Occasional Ca nodules with pinch-swell tails oriented with bedding are present and up to 1.3 cm in size. Trace fossils are cryptic, (possible brachiopod) delicate calcareous textures appear deformed (strain zone?)																			
									FO is defined by a laminated, "bedding" fabric, oriented 70 to 90 degrees TCA, steepening with depth.	FO	80																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
105.90	123.24	17.34				VOL	CHL		Dark to creamy green, FG to MG, soft, intensely CHL altered, VOL with MBL interbeds and strong OX alteration with depth. Core is magnetic up to 111.61 m. The unit exhibits a laminar texture with strong, parallel orientation of MG grains and bands of FG CHL alteration. White, MG, calcareous bands are parallel with VOL textures throughout. OX alteration appears with depth below a white, sucrosic MBL interbed. Yellow alteration is present on VOL fracture faces. Core is weakly calcareous except where OX altered (calcareous cement?)									CHL	i							
									A strong FO is defined by a laminated fabric throughout, oriented 75 to 85 degrees TCA.	FO	80																
			111.65	113.69	2.04	VOL	OX		Rusty brown to dark green, FG to MG, very soft, friable OX altered VOL. OX alteration overprints VOL textures. A light grey MBL interbed 35 cm long is present at 112.98 m. Core is blocky to rubbly, rusty brown above the MBL interbed and Dark greer brown below to lCN. lCN is defined by a core break along a weak contact at 113.69 m.	lCN						s		CHL	s							
									FO is defined by relict, foliated VOL textures, 80 degrees TCA.	FO	80																
			113.69	116.69	3.00	LST	MBL		Medium to light grey, intensely MBL altered LST with rusty orange OX staining intermittently throughout. Rusty orange OX alteration (Fe alteration?) is present along fracture faces, appearing to patches up to 2.0 cm in size and up to bands 5.5 cm wide. OX alteration increases with depth. OX alteration is fairly common in orientation, subparallel to FO. Core appears competent to rubbly, breaking where OX alteration is strongest.							f		MBL	i							
									MBL textures define a FO, oriented 70 degrees TCA.	FO	70																
			116.69	122.55	5.86	VOL	CHL		Dark green to rusty brown, FG to MG, laminated to fissile, intensely CHL altered VOL with mod-strong OX alteration. Core is magnetic from 118.20 to 121.24 m, losing magnetism where OX is strongest. Core is blocky to rubbly, fracturing easily along a pervasive, laminated fabric throughout. Core is weakly calcareous below uCN. Trace, narrow, brick-red to rusty brown structures are present intermittently throughout.	uCN						ms	w	CHL	i							
									Defined by laminar fabric and preferred fracturing 80 degrees TCA.	FO	80																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									Rusty dark red-brown, 5 mm wide siderite veinlets oriented 70 degrees TCA and 180 degrees to FO are present at 118.07 and 118.41 m. Further veinlets may be obscured by OX alteration.	VT	70	180					ms										
			122.55	123.24	0.69	VOL	OX		Yellow orange, soft, FG to MG, intensely OX altered VOL appearing clayey to platey, fissile rubble. Where gritty, clasts are plate-like, micaceous and exhibit a pearly lustre. lCN is sharp, contact with LST below is oriented at 70 degrees TCA.	lCN	70					i											
									FO is defined by fissile fracturing and platey mineral orientations, oriented 70 to 75 degrees TCA.	FO	70																
123.24	135.60	12.36				LST	MBL		Light to medium grey, banded, strongly MBL altered LST. Core is competent to rubbly with muddy brown, very soft interbeds hosting grey LST rubble and grit intermittently throughout. Soft brown lenses become weakly more red in colour with depth, becoming a brown-rusty orange. Brown clay bands up to 25 cm wide with irregular contacts are tangential TCA oriented 30 to 70 degrees, and 180 degrees to FO. lCN is fast, defined by a narrow 1.5 cm wide band of LST grit with a brown-red OX clay. LST is broken at lCN 60 degrees TCA, 180 degrees to FO.	BD	50	180				f	t	MBL	s							
									FO is defined by a laminated/banded texture in LST, oriented 45 to 60 degrees TCA.	FO	50															
									A group of siderite veinlets is present at 312.66 m, oriented 25 degrees TCA, 10 degrees to FO and are 1 to 3 mm thick.	VT	25	10														
135.60	144.17	8.57				OX	GRT		Rusty orange brown to rusty red-brown, gritty, very soft OX. Weak amounts of Qz grit to gravel throughout, generally present in narrow bands. Subtle colour changes from rusty hues of brown, orange and red are exhibited. lCN is defined by a gritty Qz band. OX does not fizz with acid. OX alteration pervasively obliterates structures and minerals of host rock, and does not exhibit a foliation throughout.							i	m	LIM	w							

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			135.60	135.74	0.14	OX	GRT		Reddish-brown, gritty OX with LST grit and rubble below uCN. Core becomes more rusty orange-brown with depth, gradationally over 7 cm. LST clasts decrease in size and occurrence with depth over the top 4 cm of OX interval. LST grit has been smeared down the outside of core by drilling.							i										
			135.74	136.70	0.96	OX	GRT		Rusty orange-brown, weakly limonitic, gritty OX with weak concentration of coarse siderite crystals. Where core is broken, earthy, irregular fractures reveal patchy, yellow LIM alteration on some earthy clasts of OX and regular to subhedral, 3 to 8 mm siderite crystals/aggregates. Possible cubes of rusted Py <2 mm in size occur on core fractures, but may be siderite. Soft, white, earthy alteration is present on some oxidized gritty clasts as <3 mm, irregular overprints. Small, <1 mm, reflective, pearly grains are disseminated throughout (micas?).							i	w	LIM	w								
			136.70	137.55	0.85	OX	GRT		Rusty brown-orange, gritty OX with weak siderite alteration present on broken core faces. Core is very soft, breaking into earthy clumps with ease. Dark red brown, subhedral siderite grains occur on broken core faces. This sub-interval lacks the micaceous flakes as above and appears to have more dull faces of gritty clasts.							i	w										
			137.55	138.30	0.75	OX	GRT		Dark rusty red-brown, gritty, sideritic OX. Core fractures in an earthy, irregular habit. Dark, glassy to dull siderite crystals up to 9 mm in size are revealed on broken core faces. When glassy, siderite crystals exhibit a conchoidal fracture. Trace LIM alteration is present on coarser siderite grains and aggregates of grit.							i	s	LIM	t								
			138.30	138.39	0.09	LST	OX		Brown-red to grey green, competent, intensely OX altered, dolomitized LST. Greyish protolith lacks original textures, but is conspicuous by its colour and hardness. Sub-interval does not fizz with HCl. Core is harder than core in this OX interval, but is slightly softer than the typical DOL-LST. If core is DOL altered LST protolith, it marks a change from LST above to DOL alteration between here and top of OX alteration at 138.30 m.					s		i											

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			138.39	141.85	3.46	OX	GRT		Rusty orange-brown, very soft, fairly limonitic OX. Earthy fractures of core expose patchy, yellow LIM altered OX surfaces. Coarse grit to gravel sized white Qz occurs over 16 cm at 139.22 m. On core surface, weakly visible red-brown and brown 4 mm to 8 mm "clasts" appear with yellow, 1 mm to <1 mm wide, limonite "matrix" encompassing the clasts.							i	w	LIM	m								
			141.85	143.05	1.20	OX	GRT		Rusty orange, very soft, gritty OX with patchy SID alteration present as intermittent patches to bands and veinlets throughout. Fractures expose fresh core, revealing SID alteration and weak LIM present as <1 mm overprints on gritty aggregates. Qz grit 3 to 4 mm in size is present intermittently throughout.							i	m	LIM	w								
									A planar, 2 mm wide dark rusty red siderite veinlet oriented 50 degrees TCA at 142.30 m exhibits a dull, earthy lustre.	VT	50	n/a															
			143.05	144.17	1.12	OX	GRT		Brown-orange, gritty OX with moderate SID alteration. Fractures expose dark red SID altered patches of gritty aggregates. Core becomes more brown with depth approaching lCN where brown, pearly plates of micaceous grains are visible as <1 mm grains on fractured core surfaces. uCN and lCN are bounded by gritty to gravelly white Qz bands.	CN						i	m										
144.17	189.89	45.72				LST	OX		Medium grey to rusty red-brown, FG to CG, intensely DOL altered LST with zones of intense OX alteration variably throughout. DOL altered LST exhibits variable BX textures where not overprinted by OX alteration. Core is generally competent, only becoming soft and gritty where OX alteration is strongest. OX alteration decreases in strength and frequency as depth increases. Trace hydrothermal, crystalline DOL is seen on weakly OX core surface with depth. At times, OX alteration is calcareous.					i		s											
			144.17	148.28	4.11	LST	DOL		Grey-green to olive brown, FG to MG, intensely DOL altered LST with strong OX alteration. LST show sBX textures overprinted by a strong OX alteration and obscured at margins of sub-interval where OX alteration is strongest.					i		s	w										
									A common foliation was not identified	FO	n/a																

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									White to brick red, Qz-siderite vein, 1.1 cm wide, 20 degrees TCA with minor small vugs. Narrow, parasitic Si-Qz veinlets occur proximal to the VN and are oriented parallel to it, at 20 degrees TCA.	VN	20	n/a															
			147.15						CG, brown calcite vein oriented 40 degrees TCA with MG, euhedral Ca crystals. VT fizzes readily with HCl, and is found at 147.15 m.	VT	40	n/a															
			148.28	149.35	1.07	OX			Rusty, dark red-brown, gritty OX with mod-strong SID and weak LIM alteration. Patchy, dark red-brown SID alteration of gritty aggregates are exhibited on fractured core surfaces with small yellow LIM altered blebs intermittently throughout. 7 cm band of coarse Qz grit is present at 149.15 m and oriented 40 degrees TCA. Trace amounts of micaceous <1 mm flecks are present most commonly at margins of OX alteration. OX is non-calcareous.						i	ms	LIM	w								
			149.35	150.47	1.12	DOL	OX		Greyish-orange, FG to CG, strongly OX altered crystalline DOL with disseminated rusty Py cubes. Oxidation is intense up hole, gradationally decreasing in strength with depth, revealing relict crystalline DOL textures and Py MX where OX alteration is weaker. A 5 cm red coloured band is present at 149.85 m (red clay smeared by drilling?). Where OX alteration is strongest, dark red-brown SID alteration is exhibited on fracture faces of core with small, patchy lenticular LIM blebs. ICN is sharp, defined by an irregular, shallow contact between CG crystalline DOL and massive, dark grey DOL-altered LST below.	ICN				i		s	ms			t						
			150.47	156.68	6.21	LST	OX		Brown to rusty brown-red, FG to MG, competent to gritty, intensely DOL altered, variably BX LST with strong OX alteration. OX alteration is intermittent, appearing as rusty bands within grey, sBX to cBX DOL-LST. Generally core is competent, becoming gritty where OX alteration is strongest. Weak SID alteration is associated with zones of OX alteration. Pearly, <1 mm, micaceous flecks are exhibited in fractured OX bands. Contacts between OX and LST are gradational, becoming more red, softer, and more calcareous with increasing OX alteration.					i		s	w								
									A common foliation was not identified	FO	n/a																
									3 mm wide, red-brown, CG calcite veinlet is oriented 25 degrees TCA at 156.65 m.	VT	25	n/a															

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			156.68	160.63	3.95	OX	LST		Grey to brown-red, gritty to rubbly, intensely OX altered LST exhibiting narrow patches of DOL altered protolith LST. Generally core is gritty to rubbly, soft, brownish grey OX exhibiting more red colours up hole, becoming progressively more grey below 157.93 m. uCN and lCN are gradational, becoming more competent approaching margins of sub-interval. Patches of weakly red (HEM), dark red-brown (SID) and yellow (LIM) alteration are exhibited on rubbly fracture faces of core up hole. These alterations become absent with depth as core appears more grey in colour. Where protolith is seen, relict sBX textures are exhibited. OX alteration fizzes with HCl.					i		i	w	LIM	t								
																		HEM	t								
									Narrow brown or white calcareous veinlets, commonly oriented at 25 degrees TCA occur where OX alteration is weakest. These VT's may be present elsewhere, but may be obliterated or obscured by OX alteration.	VT	25																
			160.63	185.01	24.38	LST	DOL	cBX	Medium grey to rusty red-brown, intensely DOL altered cBX LST with strong OX alteration. OX alteration zones decrease in width, frequency and strength with depth. Intensely OX altered bands are up to 40 cm wide up hole and as little as 60 cm apart, decreasing to 15 cm in width and increasing to a separation of 4.15 m with depth. Oxidized areas are non-calcareous. OX-LST contacts are gradational in both colour and hardness over 6 to 35 cm. On irregular OX fractures, yellow limonitic alteration is exhibited, stronger than other OX zones seen in this hole. SID alteration in OX bands increases with depth, deeper OX alteration lacks LIM. Rare, pearly, micaceous grains are seen throughout OX altered rock. cBX textures are exhibited on core where textures are not obliterated by OX alteration. At times, drusy white dolomite teeth rim clasts of grey breccia clasts. Grey, dolomite infilling of voids give core a cBX texture, lacking coarse, white, matrix mineralization typical of sBX textures. lCN is defined by the lower limit of an OX altered band, becoming tBX in texture below.					i		s	m	LIM	m								

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									FO is defined by common orientation of cBX fabrics, oriented 45 to 60 degrees TCA, most commonly 50 degrees throughout.	FO	50															
									Rusty brown-red, CG, sinuous siderite veinlets oriented 25 to 50 degrees TCA are 3 to 7 mm wide are proximal to OX alteration, at times defining the margins of alteration. VTs are oriented both 0 and 180 degrees to FO. VTs are commonly oriented 25 degrees TCA where oriented 180 degrees to FO, and 50 degrees TCA where parallel with foliation (75 80 degrees, structural fracturing?) Shallow VTs are most common, at times exhibiting Ca where VTs are widest.	VT	25	180																
									Siderite VTs 2-3 mm wide, oriented 50 degrees TCA, 0 degrees to FO.	VT	50	0														
			185.01	189.89	4.88	LST	DOL	BX	Medium to dark grey, FG to CG, intensely DOL altered LST with variable OX alteration. OX is strongest as a narrow 15 cm wide band of rusty red-brown grit at 185.37 m with patches of dark SID alteration and yellow LIM overprints on clumps of OX grit. OX becomes much weaker below, present as competent, rusty-orange brown bands, nodules and wispy stains intermittently hosted in tBX LST. LIM staining is exhibited on fracture faces. Red to red-brown alteration of silty interbeds is exhibited with depth. LST has a clastic texture with dark grey and brown angular clasts up to 2.1 cm in size, usually 6-7 mm, supported by a light to medium grey, FG to MG tBX matrix. Weak cBX textures are variable throughout, with white, toothy, dolomite crystals 1-2 mm filling cBX fractures. LST becomes less tBX with depth appearing as irregular, interbedded CG to MG beds of silty grey-brown and light-medium grey, CG nodules with weak cBX textures and the toothy dolomite as described above					i		ms	w	LIM	w	t						
									FO is variable, oriented 50 to 55 degrees where tBX textures are exhibited, steepening to 65-70 degrees TCA below.	FO	55															
									Rusty white, 1-2 mm wide, calcite-dolomite veins exhibiting orange Fe staining throughout. VTs are oriented parallel with foliation, and exhibit a more undulose texture when hosted in tBX textures.	VT	55	0	2													

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									189.89 m: E.O.H. - The hole was ended because it was well past the targeted OX zone.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-109

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
100.90	102.90	2.00	VOL		1.73	87	I077067	72	<0.01	0.06	15	0.04	
102.90	105.90	3.00	VOL		2.30	77	I077068	72	<0.01	0.06	16	0.05	
105.90	108.20	2.30	VOL		2.00	87	I077069	72	0.01	0.26	6	0.14	
108.20	111.20	3.00	VOL		2.83	94	I077070	72	<0.01	0.25	6	0.05	
111.20	114.20	3.00	VOL		2.73	91	I077071	72	<0.01	0.22	38	0.33	
114.20	117.20	3.00	VOL		2.61	87	I077072	72	<0.01	0.11	38	0.03	
117.20	120.20	3.00	VOL		2.66	89	I077073	72	<0.01	0.33	10	0.11	
120.20	123.21	3.01	VOL		2.68	89	I077075	72	<0.01	0.34	21	0.33	
123.21	126.21	3.00	VOL		1.97	66	I077077	72	0.01	0.03	15	0.03	
126.21	129.21	3.00	VOL		2.25	75	I077078	72	0.02	0.07	94	0.54	
129.21	131.83	2.62	VOL		2.51	96	I077079	72	0.02	0.07	41	0.21	
131.83	133.00	1.17	VOL		0.89	76	I077080	72	0.11	0.68	544	3.62	
133.00	135.60	2.60	LST	MBL	1.35	52	I077082	72	0.26	1.00	1260	7.11	
135.60	138.07	2.47	OX		2.20	89	I077083	72	4.42	11.15	33000	286.00	
138.07	139.60	1.53	OX		1.42	93	I077085	73	4.71	5.77	26600	288.00	
139.60	141.12	1.52	OX		1.45	95	I077086	73	4.41	1.52	30400	315.00	
141.12	142.65	1.53	OX		1.44	94	I077088	73	2.78	1.07	26700	433.00	
142.65	144.17	1.52	OX		1.52	100	I077089	73	2.35	1.10	18200	216.00	
144.17	145.69	1.52	LST	OX	1.49	98	I077090	73	0.22	0.16	2830	7.38	
145.69	148.28	2.59	LST	OX	2.55	98	I077091	73	0.17	0.09	1820	4.92	
148.28	149.35	1.07	LST	OX	1.07	100	I077092	73	1.12	0.75	23400	112.50	
149.35	150.47	1.12	LST	OX	1.11	99	I077093	73	0.31	0.18	6210	27.50	
150.47	151.71	1.24	LST	OX	1.32	106	I077094	73	0.13	0.05	1940	15.55	
151.71	153.31	1.60	LST	OX	1.42	89	I077095	73	0.16	0.08	1810	17.10	
153.31	154.84	1.53	LST	OX	1.53	100	I077096	73	0.13	0.08	1010	10.35	
154.84	156.36	1.52	LST	OX	1.30	86	I077097	73	0.12	0.10	837	17.95	
156.36	157.89	1.53	LST	OX	1.47	96	I077098	73	0.14	0.06	1770	24.50	
157.89	159.41	1.52	LST	OX	1.52	100	I077099	73	0.11	0.06	1110	6.54	
159.41	160.93	1.52	LST	OX	1.47	97	I077100	73	0.11	0.06	1010	3.19	
160.93	162.46	1.53	LST	OX	1.23	80	I077101	73	0.23	0.12	2470	8.72	
162.46	163.98	1.52	LST	OX	1.53	101	I077102	73	0.18	0.08	2770	27.90	
163.98	165.51	1.53	LST	OX	1.53	100	I077104	73	0.12	0.06	615	15.20	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
165.51	167.03	1.52	LST	OX	1.41	93	I077105	73	0.27	0.13	2190	55.10	
167.03	168.55	1.52	LST	OX	1.22	80	I077106	73	0.16	0.04	2070	22.50	
168.55	171.67	3.12	LST	OX	2.85	91	I077107	73	0.30	0.03	1320	24.60	
171.67	174.65	2.98	LST	OX	1.87	63	I077108	73	0.11	0.05	1020	4.91	
174.65	176.17	1.52	LST	OX	1.52	100	I077109	73	0.15	0.05	1850	16.15	
176.17	177.70	1.53	LST	OX	1.35	88	I077110	73	0.12	0.10	1370	5.93	
177.70	179.22	1.52	LST	OX	1.18	78	I077112	73	0.18	0.08	2180	13.00	
179.22	180.75	1.53	LST	OX	1.38	90	I077113	73	0.18	0.11	1800	22.80	
180.75	182.27	1.52	LST	OX	1.45	95	I077114	73	0.11	0.06	550	11.15	
182.27	183.79	1.52	LST	OX	1.49	98	I077115	73	0.05	0.06	442	3.09	
183.79	185.32	1.53	LST	OX	1.20	78	I077116	73	0.12	0.21	1120	21.10	
185.32	186.84	1.52	LST	OX	1.46	96	I077117	73	0.07	0.10	3930	5.39	
186.84	189.89	3.05	LST	OX	3.05	100	I077119	74	0.08	0.24	491	2.71	
117.20	120.20	3.00	VOL		2.66	89	I077074	72	<0.01	0.34	12	0.10	Duplicate
-	-	-	-	-	-	-	I077076	72	1.41	0.62	71	1.44	Standard (ROS-2)
-	-	-	-	-	-	-	I077081	72	<0.01	0.04	<5	0.03	Blank (HQ)
-	-	-	-	-	-	-	I077084	73	8.73	21.60	58	1.56	Standard (ROS-1)
-	-	-	-	-	-	-	I077087	73	0.01	0.03	326	1.40	Blank (HQ)
162.46	163.98	1.52	LST	OX	1.53	101	I077103	73	0.18	0.08	2750	25.90	Duplicate
-	-	-	-	-	-	-	I077111	73	<0.01	25.30	17	0.22	Blank (HQ)
-	-	-	-	-	-	-	I077118	73	0.39	6.41	1	1.13	Standard (ROS-1)

GEOTECHNICAL LOG

HOLE: Rau-10-109

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
0.91	2.44	1.53	1.34	88	0.15	10	MS	FR		
2.44	3.96	1.52	0.97	64	0.00	0	MS	FR		
3.96	5.49	1.53	0.78	51	0.26	17	MS	FR		
5.49	7.01	1.52	1.20	79	0.30	20	MS	FR		
7.01	8.53	1.52	1.12	74	0.40	26	MS	SW		
8.53	10.06	1.53	1.36	89	0.54	35	MS	FR		
10.06	11.58	1.52	1.37	90	0.48	32	MS	FR		
11.58	13.11	1.53	1.53	100	0.67	44	MS	FR		
13.11	14.63	1.52	1.52	100	1.11	73	MS	FR		
14.63	16.15	1.52	1.52	100	0.44	29	MS	FR		
16.15	17.68	1.53	1.44	94	1.03	67	MS	FR		
17.68	19.20	1.52	1.39	91	1.03	68	MS	FR		
19.20	20.73	1.53	1.45	95	1.23	80	MS	FR		
20.73	22.25	1.52	1.44	95	1.08	71	MS	FR		
22.25	23.77	1.52	1.49	98	1.08	71	MS	FR		
23.77	25.30	1.53	1.39	91	1.30	85	MS	FR		
25.30	26.82	1.52	1.31	86	0.89	59	MS	FR		
26.82	28.35	1.53	1.47	96	1.31	86	MS	FR		
28.35	29.87	1.52	1.42	93	0.34	22	MS	FR		
29.87	31.39	1.52	1.47	97	1.41	93	MS	FR		
31.39	32.92	1.53	1.28	84	1.23	80	MS	FR		
32.92	34.44	1.52	1.32	87	0.49	32	MS	FR		
34.44	35.97	1.53	1.45	95	0.99	65	MS	FR		
35.97	37.49	1.52	1.37	90	1.08	71	MS	FR		
37.49	39.01	1.52	1.37	90	1.14	75	MS	FR		
39.01	40.54	1.53	1.42	93	0.99	65	MS	FR		
40.54	42.06	1.52	1.35	89	0.76	50	MS	FR		
42.06	43.59	1.53	1.46	95	0.22	14	MS	FR		
43.59	45.11	1.52	1.50	99	0.24	16	MS	FR		
45.11	46.63	1.52	0.86	57	0.00	0	MS	FR		
46.63	48.16	1.53	1.42	93	0.50	33	MS	FR		
48.16	49.68	1.52	1.19	78	0.64	42	MS	FR		
49.68	51.21	1.53	1.01	66	0.25	16	MS	FR		
51.21	52.73	1.52	1.39	91	0.58	38	MS	FR		
52.73	54.25	1.52	1.24	82	0.33	22	MS	FR		
54.25	55.78	1.53	1.53	100	0.49	32	MS	FR		
55.78	57.30	1.52	1.44	95	0.10	7	MS	FR		
57.30	58.83	1.53	1.38	90	0.63	41	MS	FR		
58.83	60.35	1.52	1.46	96	0.11	7	MS	FR		
60.35	61.87	1.52	1.36	89	0.36	24	MS	FR		
61.87	63.40	1.53	1.53	100	0.00	0	MS	FR		
63.40	64.92	1.52	1.52	100	0.22	14	MS	FR		
64.92	66.45	1.53	1.38	90	0.18	12	MS	FR		
66.45	67.97	1.52	1.40	92	0.00	0	MS	FR		
67.97	69.49	1.52	1.15	76	0.12	8	MS	FR		
69.49	71.02	1.53	1.51	99	0.66	43	MS	FR		
71.02	72.54	1.52	1.48	97	0.91	60	MS	FR		
72.54	74.07	1.53	1.23	80	0.10	7	MS	FR		
74.07	75.59	1.52	1.36	89	0.00	0	MS	FR		
75.59	77.11	1.52	1.29	85	0.00	0	MS	FR		
77.11	78.64	1.53	1.53	100	0.45	29	MS	FR		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
78.64	80.16	1.52	1.50	99	0.65	43	MS	FR		
80.16	81.69	1.53	1.45	95	0.48	31	MS	FR		
81.69	83.21	1.52	1.37	90	0.76	50	MS	FR		
83.21	84.73	1.52	1.50	99	0.57	37	MS	FR		
84.73	86.26	1.53	1.48	97	0.61	40	MS	FR		
86.26	89.31	3.05	3.05	100	0.37	12	MS	SW		
89.31	90.83	1.52	1.33	88	0.10	7	MS	SW		
90.83	92.35	1.52	0.86	57	0.11	7	MS	SW		
92.35	93.88	1.53	1.30	85	0.72	47	MS	SW		
93.88	95.40	1.52	1.52	100	0.60	39	MS	SW		
95.40	96.93	1.53	1.53	100	0.00	0	MS	SW		
96.93	98.45	1.52	1.02	67	0.00	0	MS	SW		
98.45	99.97	1.52	1.33	88	0.00	0	MS	SW		
99.97	101.49	1.52	1.09	72	0.16	11	MS	SW		
101.49	103.02	1.53	1.50	98	0.54	35	MS	SW		
103.02	104.55	1.53	1.48	97	0.21	14	MS	SW		
104.55	106.07	1.52	1.21	80	0.21	14	MS	SW		
106.07	107.59	1.52	1.26	83	0.57	37	MS	SW		
107.59	109.12	1.53	1.47	96	0.63	41	MS	SW		
109.12	110.64	1.52	1.52	100	0.00	0	MS	SW		
110.64	112.17	1.53	1.53	100	0.49	32	W	MW		
112.17	113.69	1.52	1.05	69	0.11	7	W	MW		
113.69	115.21	1.52	1.52	100	0.41	27	MS	SW		
115.21	116.74	1.53	1.27	83	0.57	37	W	MW		
116.74	118.26	1.52	1.43	94	0.12	8	W	MW		
118.26	119.79	1.53	1.35	88	0.00	0	W	MW		
119.79	121.31	1.52	1.52	100	0.45	30	W	MW		
121.31	122.83	1.52	1.17	77	0.38	25	W	MW	10YR5/4	0.27m of Oxide (EW/EW)
122.83	124.36	1.53	0.93	61	0.27	18	MS	SW	10YR5/4	0.40m of Oxide (EW/EW)
124.36	125.88	1.52	1.26	83	0.00	0	MS	MW		
125.88	127.41	1.53	1.15	75	0.42	27	MS	MW		
127.41	128.93	1.52	1.23	81	0.37	24	MS	MW		
128.93	130.45	1.52	1.46	96	1.13	74	MS	SW		
130.45	131.98	1.53	1.53	100	1.07	70	MS	MW		
131.98	133.50	1.52	0.99	65	0.30	20	MS	MW	10YR4/4	0.37m of Oxide (EW/EW)
133.50	135.03	1.53	0.73	48	0.25	16	W	MW	10YR4/4	0.13m of Oxide (EW/EW)
135.03	136.55	1.52	1.41	93	0.45	30	EW	EW	7.5YR5/6	OXIDE (0.45m LST (MS/FR))
136.55	138.07	1.52	1.29	85	0.00	0	EW	EW	5YR5/6	OXIDE
138.07	139.60	1.53	1.42	93	0.13	8	EW	EW	5YR5/6	OXIDE
139.60	141.12	1.52	1.45	95	0.00	0	EW	EW	5YR5/6	OXIDE
141.12	142.65	1.53	1.44	94	0.00	0	EW	EW	5YR5/6	OXIDE
142.65	144.17	1.52	1.52	100	0.00	0	EW	EW	5YR5/6	OXIDE
144.17	145.69	1.52	1.49	98	0.68	45	W	HW	10YR5/3	LST with OX coating
145.69	147.22	1.53	1.50	98	1.41	92	W	HW	10YR5/3	LST with OX coating
147.22	148.74	1.52	1.52	100	1.08	71	W	HW	10YR5/3	LST with OX coating (0.47m Oxide (5YR5/6, EW/EW))
148.74	150.27	1.53	1.51	99	0.18	12	EW	EW	7.5YR5/6	OXIDE (with portions of LST OX)
150.27	151.79	1.52	1.52	100	1.52	100	MS	MW		
151.79	153.31	1.52	1.42	93	1.27	84	W	HW		
153.31	154.84	1.53	1.53	100	1.53	100	MS	MW		
154.84	156.36	1.52	1.30	86	0.59	39	W	HW		
156.36	157.89	1.53	1.47	96	0.48	31	W	HW		
157.89	159.41	1.52	1.52	100	0.13	9	W	HW		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
159.41	160.93	1.52	1.47	97	1.15	76	W	HW		
160.93	162.46	1.53	1.23	80	0.75	49	W	HW	7.5YR4/4	0.2m Oxide (EW/EW)
162.46	163.98	1.52	1.52	100	1.42	93	W	HW		
163.98	165.51	1.53	1.53	100	1.41	92	MS	HW		
165.51	167.03	1.52	1.41	93	0.84	55	W	HW	7.5YR4/4	0.58m Oxide (EW/EW)
167.03	168.55	1.52	1.22	80	0.74	49	W	HW		
168.55	170.08	1.53	1.39	91	0.89	58	W	HW		
170.08	171.60	1.52	1.46	96	1.28	84	MS	SW		
171.60	173.13	1.53	1.53	100	0.94	61	W	MW		
173.13	174.65	1.52	1.52	100	0.93	61	W	MW		
174.65	176.17	1.52	1.52	100	0.97	64	W	MW		
176.17	177.70	1.53	1.35	88	0.86	56	W	MW		
177.70	179.22	1.52	1.18	78	0.96	63	W	MW		
179.22	180.75	1.53	1.38	90	0.80	52	W	MW		
180.75	182.27	1.52	1.45	95	1.28	84	W	MW		
182.27	183.79	1.52	1.49	98	0.49	32	W	MW		
183.79	185.32	1.53	1.20	78	0.70	46	W	MW		
185.32	186.84	1.52	1.46	96	0.22	14	W	MW		
186.84	188.37	1.53	1.53	100	1.77	116	W	MW		
188.37	189.89	1.52	1.52	100	0.00	0	W	MW		
189.89	E.O.H.									

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-109

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	LST		1.79	
2.00	LST		0.25	
3.00	LST		2.45	
4.00	LST		1.69	
5.00	LST		1.84	
6.00	LST		0.78	
7.00	LST		1.10	
8.00	LST		1.10	
9.00	LST		1.51	
10.00	LST		2.43	
11.00	LST		1.09	
12.00	LST		0.94	
13.00	LST		0.65	
14.00	LST		2.99	
15.00	LST		0.55	
16.00	LST		2.04	
17.00	LST		2.13	
18.00	LST		0.73	
19.00	LST		1.02	
20.00	LST		0.00	
21.00	LST		1.66	
22.00	LST		0.90	
23.00	LST		0.75	
24.00	LST		1.39	
25.00	LST		1.34	
26.00	LST		0.87	
27.00	LST		0.78	
28.00	LST		0.36	
29.00	LST		0.72	
30.00	LST		1.07	
31.00	LST		1.78	
32.00	LST		1.19	
33.00	LST		0.52	
34.00	LST		0.50	
35.00	LST		0.55	
36.00	LST		1.07	
37.00	LST		0.43	
38.00	LST		2.06	
39.00	LST		0.58	
40.00	LST		0.18	
41.00	LST	DOL	0.00	
42.00	LST	DOL	1.00	
43.00	LST	DOL	0.28	
44.00	LST	DOL	0.25	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	LST	DOL	0.77	
46.00	LST	DOL	0.26	
47.00	LST	DOL	1.51	
48.00	LST	DOL	0.11	
49.00	LST	DOL	0.00	
50.00	LST	DOL	0.25	
51.00	LST	DOL	1.07	
52.00	LST	DOL	0.42	
53.00	LST	DOL	1.74	
54.00	LST	DOL	0.16	
55.00	LST	DOL	0.10	
56.00	LST	DOL	1.19	
57.00	LST	DOL	0.42	
58.00	LST	DOL	0.43	
59.00	LST	DOL	0.48	
60.00	LST	DOL	0.13	
61.00	LST	DOL	0.00	
62.00	LST	DOL	1.42	
63.00	LST	DOL	0.67	
64.00	LST	DOL	0.35	
65.00	LST	DOL	0.94	
66.00	LST	DOL	1.14	
67.00	LST	DOL	0.06	
68.00	LST	DOL	0.08	
69.00	LST	DOL	0.40	
70.00	LST	DOL	0.92	
71.00	LST	DOL	1.49	
72.00	LST	DOL	0.00	
73.00	LST	DOL	0.10	
74.00	LST	DOL	0.05	
75.00	LST	DOL	0.45	
76.00	LST	DOL	0.47	
77.00	LST	DOL	1.31	
78.00	LST	DOL	0.75	
79.00	LST	DOL	0.21	
80.00	LST	DOL	1.98	
81.00	LST	DOL	0.87	
82.00	LST	DOL	0.00	
83.00	LST	DOL	1.20	
84.00	LST	DOL	0.30	
85.00	LST	DOL	0.38	
86.00	LST	DOL	0.03	
87.00	LST	DOL	0.40	
88.00	LST	DOL	0.21	
89.00	LST	DOL	0.15	
90.00	LST	DOL	0.95	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	FLT	GRT	0.38	
92.00	LST	FOS	0.92	
93.00	LST	FOS	0.06	
94.00	LST		0.00	
95.00	LST		0.82	
96.00	LST		0.20	
97.00	LST		0.48	
98.00	LST		1.19	
99.00	LST		0.00	
100.00	LST		0.00	
101.00	LST		5.64	
102.00	LST		2.03	
103.00	LST		0.35	
104.00	LST		0.26	
105.00	LST		0.65	
106.00	VOL	CHL	40.10	
107.00	VOL	CHL	22.40	
108.00	VOL	CHL	36.60	
109.00	VOL	CHL	14.60	
110.00	VOL	CHL	27.80	
111.00	VOL	CHL	69.50	
112.00	VOL	OX	1.17	
113.00	VOL	OX	0.08	
114.00	LST	MBL	0.57	
115.00	LST	MBL	0.84	
116.00	LST	MBL	3.09	
117.00	VOL	CHL	0.95	
118.00	VOL	CHL	1.05	
119.00	VOL	CHL	33.10	
120.00	VOL	CHL	82.30	
121.00	VOL	CHL	40.00	
122.00	VOL	CHL	1.42	
123.00	VOL	OX	0.65	
124.00	LST	MBL	1.14	
125.00	LST	MBL	0.43	
126.00	LST	MBL	1.98	
127.00	LST	MBL	0.75	
128.00	LST	MBL	0.36	
129.00	LST	MBL	0.28	
130.00	LST	MBL	0.31	
131.00	LST	MBL	0.78	
132.00	LST	MBL	0.72	
133.00	LST	MBL	0.45	
134.00	LST	MBL	2.35	
135.00	LST	MBL	0.01	
136.00	OX	GRT	1.15	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	OX	GRT	1.59	
138.00	OX	GRT	0.43	
139.00	OX	GRT	1.19	
140.00	OX	GRT	1.37	
141.00	OX	GRT	1.07	
142.00	OX	GRT	1.49	
143.00	OX	GRT	1.17	
144.00	OX	GRT	1.27	
145.00	LST	DOL	1.15	
146.00	LST	DOL	0.53	
147.00	LST	DOL	0.72	
148.00	LST	DOL	1.14	
149.00	OX		0.82	
150.00	DOL	OX	1.14	
151.00	LST	OX	1.76	
152.00	LST	OX	1.52	
153.00	LST	OX	0.00	
154.00	LST	OX	0.60	
155.00	LST	OX	1.27	
156.00	LST	OX	0.78	
157.00	OX	LST	0.40	
158.00	OX	LST	0.00	
159.00	OX	LST	0.35	
160.00	OX	LST	0.50	
161.00	LST	DOL	0.00	
162.00	LST	DOL	0.62	
163.00	LST	DOL	1.73	
164.00	LST	DOL	1.98	
165.00	LST	DOL	0.89	
166.00	LST	DOL	2.78	
167.00	LST	DOL	0.70	
168.00	LST	DOL	1.51	
169.00	LST	DOL	2.21	
170.00	LST	DOL	1.26	
171.00	LST	DOL	2.06	
172.00	LST	DOL	2.04	
173.00	LST	DOL	2.60	
174.00	LST	DOL	0.00	
175.00	LST	DOL	2.55	
176.00	LST	DOL	0.00	
177.00	LST	DOL	2.08	
178.00	LST	DOL	2.67	
179.00	LST	DOL	1.91	
180.00	LST	DOL	3.57	
181.00	LST	DOL	0.35	
182.00	LST	DOL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00	LST	DOL	0.67	
184.00	LST	DOL	0.00	
185.00	LST	DOL	4.09	
186.00	LST	DOL	1.19	
187.00	LST	DOL	0.95	
188.00	LST	DOL	2.68	
189.00	LST	DOL	2.30	

DENSITY LOG

HOLE: Rau-10-109

Depth (m)	Unit	Modifier	Texture	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
				Py %	As %	Other	%							
11.00	LST								15.2	6.1	1197.5	762.2	2.72	2.75
13.75	LST								15.2	6.1	1219.7	778.8	2.77	2.77
30.00	LST								14.9	6.1	1210.6	777.7	2.81	2.80
25.40	LST	DOL							15.5	6.1	1258.4	808.2	2.81	2.80
37.54	LST	Ca							14.7	6.1	1194.5	769.8	2.81	2.81
49.49	LST		Bx						14.9	6.1	1154.4	722.9	2.68	2.68
135.05	LST								15.0	6.1	1151.8	719.3	2.66	2.66
146.30	LST	OX							15.2	6.1	1148.6	710.5	2.61	2.62
181.15	LST	OX							15.0	6.1	1141.7	709.0	2.63	2.64
150.30	LST	OX		t					15.2	6.1	1100.5	664.5	2.50	2.52

HOLE: Rau-10-109

Box #	Diameter (cm)	From (m)	To (m)	Unit	Modifier	Recovery	Weight	Density	Comments
33	6.1	132.7	138.07	OX	LST	3.84	61.5	2.51	1/2 box of LST OX
34	6.1	138.1	142.65	OX		4.38	64.0	2.29	
35	6.1	142.7	146.71	OX	LST	4.14	63.0	2.39	1/2 box of LST OX

BOX LOG

HOLE: Rau-10-109

BOX	FROM (m)	TO (m)
1	0.91	5.62
2	5.62	9.69
3	9.69	13.11
4	13.11	16.90
5	16.90	20.95
6	20.95	25.03
7	25.03	29.04
8	29.04	33.14
9	33.14	36.94
10	36.94	41.13
11	41.13	45.11
12	45.11	50.03
13	50.03	54.65
14	54.65	58.83
15	58.83	62.85
16	62.85	66.97
17	66.97	71.12
18	71.12	75.59
19	75.59	79.73
20	79.73	83.61
21	83.61	87.45
22	87.45	92.15
23	92.15	95.35
24	95.35	99.00
25	99.00	103.32
26	103.32	107.59
27	107.59	111.04
28	111.04	114.89
29	114.89	118.90
30	118.90	123.21
31	123.21	128.24
32	128.24	132.66
33	132.66	138.07
34	138.07	142.65
35	142.65	146.71

BOX	FROM (m)	TO (m)
36	146.71	150.79
37	150.79	154.84
38	154.84	158.49
39	158.49	162.64
40	162.64	166.88
41	166.88	171.16
42	171.16	175.02
43	175.02	179.22
44	179.22	183.44
45	183.44	187.53
46	187.53	189.89
189.89 m: E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
10+450NW	10+290NE	528421	7119565	1508	381.80

ZONE: OXIDE

SECTION: 10+450

HOLE: **Rau-10-110**

CLAIM:

Contractor: Superior

Drill: 3

Core size: NQ

Casing depth: 3.05 m out

Drilling dates: August 14-21, 2010

Geology logged by: K. Unger

TARGET: Oxide

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-79.0	compass	224.64	230	-75.6	Ranger
133.20	228	-76.5	Ranger	270.36	229	-74.3	Ranger
148.44	227	-76.1	Ranger	316.08	228	-74.3	Ranger
194.16	230	-75.5	Ranger	361.79	228	-74.2	Ranger

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	3.05	3.05	OVB	No recovery.
3.05	47.24	44.19	LST	Marbleized
47.24	152.14	104.90	LST	Fossiliferous
152.14	157.50	5.36	MBL	
157.50	222.67	65.17	VOL	Chlorite altered
222.67	223.57	0.90	MBL	
223.57	261.45	37.88	LST	
261.45	264.90	3.45	VOL	
264.90	265.57	0.67	LST	
265.57	268.89	3.32	DOL	As MX, moderate OX alteration.
268.89	269.57	0.68	LST	Marbleized
269.57	272.78	3.21	VOL	
285.55	288.55	3.00	LST	
285.55	308.59	23.04	LST	Hydrothermal DOL textures
308.59	339.02	30.43	LEP	
339.02	361.80	22.78	LST	Dolomitized
361.80	E.O.H.			

SAMPLES

Numbers: I077018-I077021, I077035, I077046-I077066

Total: 27

Batch: 71, 72

Date Sent: August 20 and 22, 2010

Certificate: VA10120384, VA10120384

COMMENTS

Reduced to NQ2 at 115.21 m. The hole was ended because it was past the targeted horizon, past the LEP and into the dolomitized crackle brecciated LST.

GEOLOGY LOG

HOLE: Rau-10-110

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other				Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	3.05	3.05				OVB			Overburden - No recovery																		
3.05	47.24	44.19				LST	MBL	BX	Light to medium grey, FG to CG, variably cBX, strongly MBL altered LST at times exhibiting mottled and weakly banded textures. Rare stylolitic dissolution textures are present intermittently throughout. The major axis of mottled, cBX and dissolution textures are all similarly oriented throughout. Pervasive, strong MBL alteration occurs throughout.									MBL	s								
									A strong FO is defined by mottled LST and cBX fabrics, 30 degrees up hole, steepening to a consistent 40 degrees TCA with depth.	FO	40																
									White to rusty orange, CG, heavy barite veined with rusty coloured carbonates. White CG barite does no fizz, exhibits high specific gravity and orthorhombic crystals. Brown-grey to rusty carbonate patches fizz readily with acid (Fe-Ca?). Vein exhibits coarse vugs throughout, lacking crystal-growth infilling. VN is oriented ~60 degrees TCA, 200 degrees to FO and is 17-18 cm wide. VN is located at 24.15 m. XRF yields high Ba on white crystals (200,000 ppm Ba) and elevated Zn in earthy brown Ca crystals (7,000 ppm Zn. Smithsonite?).	VN	60	200												Ba	m	Sm	w	
			27.74	35.78	8.04	LST	FOS	MO	Medium to dark grey, mottled to cBX, FG to CG, FOS LST with coarse Barite-base metal sulphide veins and mottled, orange-grey alteration throughout. LST is typically mottled to cBX, FG, dark grey and hosts (crinoid fragment, gastropod, favocitid and halycites?) fossils. Fossils make up ~10% of unit, with their presence increasing with depth. MBL alteration also becomes slightly more concentrated with depth. Narrow, white, calcite with rusty orange (Smithsonite?) VTs with a common orientation are seen variably throughout. Patchy grey orange-brown alteration is intermittent throughout, with patches up to 2.7 cm in size at times forming masses up to 7.5 cm wide. CG Ba-Ca-cerussite-smithsonite-galena veining is strongest between 31.00 and 32.00 m, making up ~30% of core. VN's are irregularly oriented with sharp margins, but at times exhibit dark, FG to MG "baked" LST selvages.									MBL	f				Gn	t			

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									FO is defined by the mottled fabric of LST (bioturbation?) and is oriented 40 to 50 degrees TCA.	FO	45																
			31.05						CG, white to rusty brown, Ca-Gn-smithsonite VN, oriented 40 degrees TCA and 0 degrees to FO. VN is 6.5 cm wide. CG white Ca is euhedral to occasionally spherical with cubic Gn up to 7 mm in width. uCN is irregular, lacking a vein selvage while the lCN exhibits a darker, "baked" LST CG vein margin 2.3 cm wide. Gn makes about ~7% of vein material, Ca 60%, orange Fe-Zn carbonate ~30%. VN is found at 31.05 m.	VN	40	0												Gn	m			
									White to rusty orange to metallic grey, CG, vuggy barite-Ca-cerussite-Gn-smithsonite VNs at 31.39 m and 31.70 m. VNs are oriented ~ 40 degrees TCA and ~10 degrees to FO. XRF readings yield elevated As and Au values in vein galena, along with zinc and tungsten. Other readings in carbonate minerals yield elevated As, Au, Zn, W and Pb levels. Gn makes up about 10% of vein minerals. Barite and Gn exhibit step-wise, regular crystal face contacts, indicating contemporaneous growth. Grey-brown Pb-carbonate (cerussite?) crystals exhibit coarse, euhedral crystals with regular crystal faces. Zn-carbonate (smithsonite?) appears interstitially as irregular, rusty-orange, earthy, MG crystals forming aggregate masses filling spaces between Ba-Pb mineralization. Carbonate MX exhibits coarse vugs, along with barite; the latter appearing as primary cavities during crystal growth. Barite is present as CG, tabular sheets up to 4 mm thick, at times exhibiting an orthorhombic habit. White barite does not fizz with acid. Gn makes up ~10% of vein minerals, barite ~50%, cerussite ~30% and smithsonite ~10%. Veins at 31.39 and 31.70 m are 6 and 20+ cm in width respectively.	VN	40	10												Gn	s			
									Brown, FG, clay-like vein at 28.00 m, oriented 40 degrees TCA, 0 degrees to FO and passes through a narrow interval of sBX LST. XRF analysis yields high Zn and elevated As in brown clay-like material (smithsonite?).	VN	40	0																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									White to creamy-orange, earthy, dull grey, Ca vein exhibiting vuggy texture throughout with drousy Ca growing on earthy crystal faces. Appearance is similar to the Ba-Ca-Pb-Zn veins above (Ca-cerussite-smithsonite vein?) and is found at 32.68 m, oriented at 60 degrees TCA and 180 degrees to FO. A wide, calcareous selvage is found below the lower vein margin appearing dull orange-grey to dar grey. FG bands with vugs throughout the vein selvage.	VN	60	180															
									White to dull orange-grey, CG, calcareous, toothy VN oriented 50 degrees TCA and 0 degrees to FO is found at 33.26 m. Rusty dark brown, MG, vuggy siderite occupies the centre of the 11 cm wide vein. Vein margins and selvages appear as dark, "cooked LST and are up to 1.5 cm from vein margins.	VN	50	0															
			34.82	47.24	12.42	LST	MBL	MO	Light to dark grey, MG to CG, sucrosic, weakly fossiliferous, mottled, strongly MBL altered LST. Weak cBX textures are present, but core generally exhibits a mottled "camo" texture overprinted by strong MBL alteration. Cryptic fossil textures are present. Where mottled, favocites coral and other fossil textures are obscured to obliterated by MBL alteration. lCN is gradational, becoming less MBL altered over 25 cm.									MBL	s							
									FO is defined by MBL "banded", mottled "camo" and cBX fabrics, oriented 50 degrees TCA uphole, steadily decreasing to 30 degrees TCA with depth.	FO	40																
47.24	152.14	104.90				LST	FOS	MO	Dark to light grey, FG to CG, variably FOS LST with weak MBL alteration intermittently throughout. Interval is generally muddy to silty, mottled (bioturbated?) LST with crinoid, favocites, ostrocod, rugosa and other fossils supported by fine grained matrix. Where most fossiliferous, rock can be up to grainstone in texture. Though irregularly mottled, a strong, pervasive common orientation is exhibited throughout (bedding fabric?).									MBL	t							

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			47.24	60.91	13.67	LST	FOS	MO	Medium to dark grey, FG to CG, fairly MBL altered fossiliferous LST. Rock is generally FG, sucrosic at times, and mottled in texture. Large favocites coral fragments and possible stromatoporid fragments are supported by dark, FG, irregularly "bedded" (bioturbation?) lime muds. Trace crinoid fossils are present throughout.									MBL	f								
									FO is defined by mottled clast orientation and FG mud "bed" orientations, 40 degrees TCA throughout	FO	40																
			66.29	66.92	0.63	LST		MO	Dark to light grey to light brown-grey, FG to MG, mottled LST. Irregularly shaped, but commonly oriented, silty brown lenses to nodules (speliothems?) lay between mottled, dark to light grey, irregularly laminated LST. Trace SER alteration is exhibited on brown silty lenses and bands (VOL interbeds?) Rock preferentially fractures along margins of silty brown layers. At times brown rock exhibit cavities/vugs (partial speliothems infilling?). Brown lenses do not fizz with HCl.									SER	t								
									FO is defined by brown silty lenses and bands, along with laminated fabric of LST, oriented 30 to 40 degrees TCA.	FO	40																
			82.34	114.30	31.96	LST	FOS	MO	Dark to light grey, FG to CG, mottled, FOS LST. Light to medium grey mottled "clasts" are supported by a FG, dark lime mud matrix (bioturbations?). The mottled fabric is commonly oriented throughout. Fossils present are bulbous stromatoporids, gastropods,favocitid and halycites corals, brachiopods and crinoids. Fossils make up 10-15% of sub-interval. Trace cherty nodules are present at 98.12 m. lCN is gradational, becoming more sucrosic and CG with depth below a narrow, crinoid grainstone "tempestite" bed at 113.40 m.									SIL	t								
									FO is defined by mottled fabric and orientation of fossil textures (bedding), 35 to 40 degrees TCA.	FO	40																
			114.30	117.98	3.68	LST	MBL	MO	Medium to dark grey, MG to FG, mottled, moderately MBL altered LST. Irregular, FG, lime mud beds 1 to 8 mm thick exhibit a weakly laminated fabric with mottled, MG, medium grey patches between FG beds. Fossil content increases with depth, exhibiting a weak amount of crinoid fossils. MBL alteration is present at uCN, decreasing with depth over 1.55 m.									MBL	m								

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									FO is defined by FG mud beds and mottled fabric, 50 degrees TCA.	FO	50																
									Narrow, very fossiliferous (tempestite?) bed at 117.53 m, 7 cm wide, bedding parallel to FO and can be classified as a crinoid-rugosa grainstone.	BN	50																
			117.98	118.92	0.94	LST	FOS	CG	Dark to light grey, CG to FG, fossiliferous, crinoid grainstone LST. Fossils make up ~50% of subunit, mostly crinoid fragments and trace gastropod and bryozoan fossils. uCN and lCN are sharp, defined by narrow, brown, silty layers ~1 mm thick.																		
									FO is defined by grain orientations, 30 to 50 degrees TCA.	FO	40																
			118.92	128.09	9.17	LST		MO	Dark grey to light grey, FG to MG, mottled and interbedded, moderately FOS LST with trace Py mineralization. Sub-interval exhibits planar to irregular (bioturbation?), interbeds of medium-light grey, MG LST and dark to medium grey lime muds. Bedding fabrics and interbeds exhibit mottled, irregular fabrics variably throughout, giving core a mottled appearance. Fossil content increases with depth with star and one hole crinoids, small favocitid fragments and ostracod fossils. The lCN is defined by the lower margin of a narrow, 6 cm wide CG crinoid grainstone bed. Trace Py is present as FG disseminations in narrow mud beds (diagentic Py?).											t						
									FO is defined by a bedding/lamination fabric, 40 degrees TCA.	FO	40																
			128.09	131.28	3.19	LST	FOS		Light to dark grey, CG to FG, FOS LST. Large favocitid coral fragments up to 19.5 cm of core length are surrounded by dark, FG lime mud (favocitid boundstone). Where muddy, weak amounts of ostracod fossils are present. Trace metallic, <1 mm yellow Py disseminations are present occasionally with lime mud bands. Mud bands can appear planar, commonly oriented, but also exhibit convolute textures when surrounding coral fragments.											t						
									Defined by a weak orientation of lime mud bands and clast orientations, 40 to 70 degrees TCA, but generally around 55 degrees.	FO	55																

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			135.99	137.93	1.94	LST			Dark to light grey, FG to CG, variably FOS LST with moderate-strong Py MX. Py is present as FG to MG disseminations to nebulous aggregates of yellow, metallic, subhedral grains hosted in dark lime mud bands. At times, Py appears to almost replace entire lime mud bands. Lime mud bands are sinuous to convolute in texture throughout and range from 1 mm to 2.1 cm in width. Core is generally light to medium grey, MG to CG, mottled limestone supported by bands of lime mud and Py.										ms							
									FO is defined by grain orientation and lime mud/CG fabrics, oriented 50 to 35 degrees TCA, becoming shallower with depth where textures and fabric appears more convolute (strain?).	FO	40														
									White, CG, Ca-Qz VN oriented ~90 degrees TCA, variable in width from 2.5 to 3.6 cm. VN is found at 137.12 m.	VN	90														
			146.89	149.80	2.91	LST	FOS		Light to medium grey, CG to FG, FOS LST. Large facocitid clasts up to 18 cm of core length, and making up greater than 50% of the core are encased in dark, FG lime mud (favocites boundstone?). Trace ostracod and star crinoid fossils are present in lime mud throughout. Trace Py MX is present in lime mud as FG, subhedral disseminations.										t							
									FO is weak, a convolute fabric displays a weakly common orientation of clasts and mud beds, 45 degrees TCA.	FO	45														
152.14	157.50	5.36				MBL		BN	Light to dark grey, MG to FG, sucrosic, banded MBL. uCN is gradational, MBL alteration increases with depth, though dark, FG lime mud bands from 152.65 to 153.10 m exhibit weak MBL alteration. Bedding in mud bands is parallel with MBL banding and dissolution textures, which are exhibited throughout. Banding is most obvious in FG, dull, metallic, planar to sinuous, Py bands 1 mm to 1.2 cm wide, which are more prevalent uphole. VOL bands are present, exhibiting red to yellow-grey-green alteration with trace fuchsite. ICN transitions fairly quickly into MBL, lacking strong, wide VOL-MBL interbeds seen elsewhere at Rau. The change from MBL to VOL occurs over 12 cm, with angular VOL clasts in MBL and a convolute mass of intertwined green VOL shoots into MBL.										f			Fu	t			

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
157.50	222.67	65.17				VOL	CHL		Dark to light green, CG to FG, AM to CGL, variably magnetic, intensely CHL altered VOL. Generally, VOL exhibits variable clastic textures from pebble conglomerate to pumice-like and dark grey (tuff?) with FG, SER alteration in place of CHL alteration. Where not clastic, VOL appears massive, FG to MG, lacking amygdules. Magnetism is exhibited only up hole. Trace sulphide mineralization is present, usually as MG blebs or FG disseminations. This VOL unit exhibits a thickness and variety of textures not typically seen in a VOL unit at Rau. Preferential fracturing is common throughout and uniform in orientation. Core is magnetic from 157.87 to 170.98 m.								CHL	i	t		t	Cp	t			
																		SER	ms								
			157.50	164.71	7.21	VOL	CHL	MA	Green to dark green, MG to FG, variably calcareous massive VOL with a BX to banded texture from Ca veining/fracturing throughout. Core is magnetic from 157.87 m on. Trace Py is present as cubes <5 mm in size disseminated throughout. Calcite is present as a white cBX "matrix" up hole to commonly oriented banded "veining". Ca structures are commonly oriented, and range from a few mm to 6 cm in width. Trace Py and rare Cp mineralization is present with Ca structures as <3 mm blebs. Magnetism when exhibited, is variable in strength. Dark, MG, tabular to prismatic, <1 mm mineralization is disseminated throughout, making up 7-10% of sub-unit. Small, <1 mm Ca round "amygdules" are present variably throughout.								CHL	i	t			Cp	t	Mg		
									FO is defined by grain orientation and calcitic "veining", 40 to 45 degrees TCA. Fracturing is sometimes exhibited on this plane.	FO	40															
									White, Ca-CHL-TLC veinlet, oriented 15 degrees TCA and 180 degrees to FO is 4 mm thick and found at 161.50 m.	VT	15															

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			164.71	175.41	10.70	VOL	CHL		Dark to light green, FG to CG, clastic/CGL, variably magnetic, intensely CHL altered VOL with strong SER alteration intermittent throughout. Clasts are very rounded, oval shaped, 4 mm to 3.4 cm in width, and are polymictic. Clasts appear as dark or light green, strongly CHL altered, to grey or black in colour. Clasts are supported by a FG to MG, green to grey-green matrix. Magnetism decreases with depth, becoming absent below 170.98 m. Trace LIM alteration is present on fracture faces.								CHL	i						Mg		x
																		SER	s								
																		LIM	t								
									FO is defined by bedding and clast orientation, is generally shallow, near 30 degrees but ranges as high as 50 degrees TCA.	FO	35																	
									CG, translucent, white Qz vein with irregular margins are oriented 35 degrees TCA, 0 degrees to FO and is 1.9 cm wide. Strong SER alteration is present above the veins upper margin, exhibiting an olive green appearance up to 16 cm from the vein.	VN	35	0															

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			175.41	196.89	21.48	VOL	CHL	AM	Green to brown, FG to CG, variably clastic, amygdaloidal, intensely CHL altered VOL with strong BIO alteration. CHL alteration is pervasive with some zones of brown BIO alteration overprinting CHL. BIO alteration is present in bands 12 cm to 80 cm of core length. CNs between CHL and BIO alteration are gradational over 3 to 6 cm. Amygdules are irregular, rounded to subrounded, calcareous filled structures throughout and range in size from <1 mm spheroids to amoeboid blobs up to 4.4 cm in length. When elongate, amygdules are uniformly oriented. Textures become increasingly varied with depth, clastic, pink brown (pumice?) are present with calcareous amygdules below 188.70 m. Below this, amygdules exhibit a pinched "tails" pointing down hole on one side of the amygdule, supported by a variably CHL and SER altered matrix, exhibiting a patchy, interfingering fabric. "Pumice" clasts are up to 1.8 cm in size, rounded to sub rounded, vesicular (?) and exhibit wispy SER alteration within clast margins. Amygdule content decreases with depth. lCN is sharp, defined by a contact with a very dark, massive, VOL unit below. Above the lCN, Py and Po MX appear with calcareous infilling of amygdules.	CN								CHL	i	t		t					x
																		BIO	s							
																		SER	ms							
									Foliation is defined by the orientation of elongate clasts and amygdules, and bedding/banding textures of CHL layers, 30 to 35 degrees TCA becoming shallower with depth.	FO	30															
									White, MG, calcareous, <9 mm VTs and fracture filling are present throughout, generally oriented parallel with FO, but at times appear irregular and undulose, and oriented 30 to 50 degrees TCA, 90 to 180 degrees to FO. Veins with different orientations lack cross-cutting relationships.	VT	35	0															

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			196.89	199.46	2.57	VOL		MA	Black-green, FG to MG, soft, near fissile, laminated VOL. Core fractures easily along lamination planes when struck with a hammer falling without assistance. Core is non magnetic and doesn't fizz, except on sinuous, calcareous bands/VT's throughout, oriented parallel to laminations. Weak sulphide mineralization is associated with calcite; Py blebs and rare <1 mm chalcopyrite crystals are present. Py is also present disseminated in very dark core, appearing as elongate, <1 mm in width, elongate with lamination fabric, lenses to bands intermittently throughout.										w			Cp	t			
									FO is defined by the laminated fabric and preferential fracturing of core, 35 to 40 degrees TCA.	FO	40															
			199.46	222.67	23.21	VOL	CGL		Green to brown, FG to CG, polymictic, strongly CHL altered, CGL VOL with strong BIO and SER alteration. Core is variably calcareous throughout (calcite matrix? calcite flooding?) with some white, rounded calcareous (amygdules?) clasts <2.1 cm in diameter. Clasts are variable in size, shape and colour, with variable reaction to HCl. Clast size ranges from angular, 2-3 mm clasts of various colours to elongate, green-grey and brown-grey clasts larger than the core diameter. Clasts are generally <5 mm in size and are uniformly oriented, supported by a FG, variably CHL, BIO and SER altered matrix, appearing dark green, brown and olive green respectively. ICN is quite sharp defined by a soft, clay altered band 9 mm wide oriented 30 degrees TCA.	CN								CHL	s							
																		BIO	s							
																		SER	s							
									FO is defined by clast orientation, 35 to 45 degrees TCA.	FO	40																
222.67	223.57	0.90				MBL		BN	Light grey, banded MBL with narrow, grey-brown to creamy rusty orange, clay altered VOL (interbeds?) throughout. Bands are 1 to 8 mm in width. Commonly oriented and are soft. ICN is defined by a grey-brown band oriented 40 degrees TCA, becoming bleached LST below.	CN																
									FO is defined by the orientation of bands within the marble interval, 35 degrees TCA.	FO	35															

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
223.57	261.45	37.88				LST			Medium to dark grey, MG to FG, laminated LST with trace fossilization. Top of unit hosts narrow VOL interbeds and exhibits bleached alteration with moderate MBL alteration below. LST exhibits a strong laminated fabric of alternating MG, medium grey beds between dark, FG muddy beds to dark brown silts. Beds are no more than 9 mm thick, darker, FG bands are generally 2 to 3 mm thick (rhythmic bedding?). Trace Po is present with depth as elongate, FG, <1 mm wide, 3-4 mm long, bronzy, magnetic features parallel with bedding. Trace gastropod and crinoid fossils are present, but rare. Calcareous nodules up to 1.4 cm in size exhibi pinch-swell textures parallel to the FO.								BLE	s			t					
																		MBL	m								
									A very strong FO is defined by laminated bedding, 45 degrees TCA.	FO	45																
			223.57	232.53	8.96	LST	BLE		Light grey, cloudy, intensely bleached LST with mod strong MBL alteration with depth. Where alteration is strongest, VOL and LST interbeds exhibit a convolute, very irregular fabric and Fe staining. Bleaching and convolute textures are spatially associated with a CG, Qz-Ca VN at 224.67 m. Bleached alteration decreases with depth, becoming sucrosic, MBL alteration. MBL decreases with further depth, becoming absent over a gradational contact with laminated LST below over 90 cm. Where MBL, a banded/laminated fabric appears more regular than in uphole textures. Trace Po is present as FG to MG blebs disseminated with narrow, clay altered VOL interbeds.								BLE	i			t					
																		MBL	ms								
									Where defined by irregular, convolute textures, FO is shallow, 15 degrees TCA up hole, steepening with depth where core fabric appears more uniform, oriented at 40 degrees TCA.	FO	30																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									White to a rusty white, CG, Qz-Ca VN with irregular margins (which make vein orientation difficult to ascertain - 90 deg TCA??). Fe staining occurs along crystal faces of vein minerals exhibited. Vein selvages are strongly altered, SER alteration is adjacent along upper margin of vein and is up to 6 cm wide with subhedral, 1-2 mm, soft, black, metallic minerals. Vein is found at 224.67 m, 7.5 to 12 cm wide, and exhibits intense, wide bleached selvages up to 4 m down hole.	VN	90	n/a																		
									Rusty orange-white, CG, carbonate veins with rusty-white orange and dull, earthy-grey-brown crystals. Vein appears similar to Ca-Pb-Zn veins found higher up hole. Margins are sharp, but oriented differently, 50 degrees TCA and 0 degrees to FO for the upper margin and 35 degrees TCA and 90 degrees to FO below. Veins are found at 233.61 m and 234.57 m, 16 cm and 9 cm wide respectively.	VN	40	45																		
									White, MG Ca VT, 3 mm wide, 25 degrees TCA and 270 degrees to FO. 1.8 cm offset of bedding textures is exhibited along VT.	VT	25	270																		
261.45	264.90	3.45				VOL	BIO	BN	Dark brown to olive grey, FG to MG, laminated, strongly SER and intensely BIO altered VOL. Fine bands of BIO altered VOL 1 mm to 3.7 cm thick are laminated with white, calcareous layers ~4 mm thick and olive coloured, SER altered bands. SER alteration increases with depth. lCN is defined by a green-grey SER/clay altered band oriented 45 degrees TCA, creating a sharp divide between this VOL and the rock below. Trace Py is disseminated as fine, metallic yellow blebs <1 mm throughout.	CN								BIO	i	t							
																		SER	s								
									A strong FO is defined by a banded texture, oriented 40 to 45 degrees TCA.	FO	40																
			262.44	262.45	0.01				White to metallic yellow. CG, Py-Ca-tremolite (?) vein (skarn vein?) is 1.4 cm wide, and oriented 40 degrees TCA and 200 degrees to FO. Py is present as subhedral masses with vuggy textures along crystal margins. White calcite, and small, dark green, translucent, tabular crystals are present, <1 mm in size (tremolite?). Py crystals are disseminated throughout.	VN	40	200																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
264.90	265.57	0.67				LST	SIL	BN	Dark to light grey, FG to MG, banded, SIL altered LST. Core fizzes readily throughout and exhibits a hardness greater than typical LST. A banded texture with alternating layers of dark and light LST in 2 mm to 1.1 cm wide beds(?) is seen throughout. Weak cBX textures are seen just below uCN. lCN is gradational, becoming more dolomitic, with a weak sBX texture overprinted by a dull, cloudy, MG, equigranular dolomite alteration/recrystalization.									SIL	s									
									FO is defined by a banded fabric, oriented 40 to 45 degrees TCA.	FO	40																
265.57	268.89	3.32				DOL	OX	MO	Light grey to rusty orange, MG, OX altered DOL with minor sulphide mineralization. sBX textures are exhibited up hole, becoming obliterated with depth over 9 cm by dolomite recrystalization. Weak "Tiger Zone" textures are exhibited intermittently, but generally dolomite texture is more massive and FG than coarse and banded as seen in Tiger Zone stratigraphy. A rusty orange OX alteration is presen throughout distal to the upper and lower contacts, representing the bulk of the interval centred at the middle of the unit. Sulphides appear fresh to variably oxidized where OX alteration is present. Trace As is present as coarse, euhedral crystals up hole, decreasing in size with depth from 9 mm to 2 mm in size, exhibiting weak OX alteration on crystal margins. Weak Py as euhedral 2 mm cubes (rusty when hosed in OX altered rock) to irregular blebs with As mineralization. Py bands are present 5-6 mm wide near lCN. Trace Po is present as blebs weakly forming a band where Tiger Zone-like textures are exhibited. lCN is defined by a band of Py mineralization oriented 50 degrees TCA. Core becomes MBL LST below Py band.	CN				i		m					w	t	t					x
									The foliation is defined by weak "Tiger" banding textures where present and Py bands proximal to lCN, 50 to 70 degrees TCA.	FO	60															
268.89	269.57	0.68				LST	MBL		Dark to light grey, banded, MG, moderately MBL altered LST. A banded fabric is exhibited below the uCN where MBL alteration occurs becoming more irregular with depth. lCN is sharp, defined by a VN margin (skarn vein?) below.	lCN								MBL	m								

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									A variable FO is defined by banding textures, 40 to 70 degrees TCA.	FO	55																
269.57	272.78	3.21				VOL	VN		Brown, FG to CG, laminated, intensely BIO altered VOL hosting intense, CG Qz-Po-Py veining. 1-2 mm wide FG brown bands are layered with <1 mm, FG SER and green CHL bands throughout. CHL alteration is also present on fracture faces. Sulphide mineralization is present in veins as CG, euhedral crystals to large masses of Py and Po . Amoeboid masses of Py and Po hosted within VOL exhibits strongly pitted (exsolution?) textures. Trace chalcopyrite is present as ~1 mm blebs in the Qz-Po Py veins. Vein mineralization makes up approximately 40% of interval. uCN and lCN are both defined by veins. VOL rock are present in intervals from 12 to 45 cm long between veins. Veins exhibit different orientations and irregular margins, meaning that attitudes could not be measured.	CN								BIO	i	m		s	Cp	t			
									FO is defined by laminated textures exhibited by VOL rock and is variable, especially proximal to veining. Distal to veins, FO is oriented 45 to 60 degrees TCA.	FO	50							SER	ms							
																			CHL	ms							
272.78	285.55	12.77				LST		BN	Medium grey, FG to MG, laminated LST. Orientation of laminated textures (bedding?) are variable throughout. Beds exhibit a shallow, irregular fabric up hole, uniformly steepening to 80 degrees TCA mid-unit, shallowing again with depth. Beds uphole are FG to MG, white and calcareous with grey-brown silts. Irregular fabric appears to exhibit boudinage deformation (?). With depth, <1 mm wide dark grey mud beds begin appearing within. Weak cBX textures are exhibited with depth. lCN is defined by a shift from cBX to sBX. Trace Py is present as <1mm blebs with lenticular calcite and as rare euhedral, FG disseminations.	BN	80										t						
			277.89	278.86	0.97	VOL	CLY		Dark green-brown, laminated, FG, soft, competent to clay altered VOL interbed. Dark green, chloritic alteration is present below uCN becoming brown-red clay alt (OX?) with depth. Core is very soft, only competent approaching uCN and lCN.							ms		CHL	s								

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
285.55	308.59	23.04				LST	DOL	BX	Dark to light grey, FG to CG, variably BX, intensely DOL altered LST with intervals of CG, crystalline, hydrothermal DOL. Dark grey LST clasts are supported by a CG, sparry, white sBX matrix. mBX textures become frequent with depth. Trace, bituminous material is variably seen filling centres of sBX matrices. DOL alteration is extensive, with core only fizzing readily where Ca infills fractures. Py mineralization is associated with crystalline dolomite, along with trace base metal sulphides.					i						t							
			294.41	295.86	1.45	DOL		CG	White to light grey, CG, hydrothermal DOL exhibiting vuggy textures throughout. Crystals are up to 2.1 cm in size. Margins of crystalline dolomite bodies are irregular, lacking a common orientation on core surfaces. Py MX is present as rare yellow cubes <5 mm, but more commonly as aggregates of FG, euhedral grains forming small amoeboid masses. Red, rarely black, sphalerite and galena partially occupy vug cavities, forming small bunches of FG, euhedral crystals. A soft blue, powdery, earthy mineral coating is local to Sp-Gn mineralization (cerussite?).											w			Sp	t	Gn	t	
									A uniform foliation could not be determined	FO	n/a																
308.59	339.02	30.43				LEP			Brown, FG to MG, spotted LEP, variably SER altered throughout, exhibiting intermittent laminated textures with depth. Core is weakly calcareous, with "fuzzy" brown to brown-grey mottled "spots". Sharing a uniform orientation. A white, variably calcareous "matrix" supports mottled LEP clasts, becoming narrow, laminar bands to diminishing further with depth. SER alteration is present as FG wisps to bands up to 30 cm in width, most commonly as lenticular to amorphous patches elongate with rock fabric. Trace Py is present as FG disseminations to aggregates of yellow grains forming masses up to 9.6 cm in size. Larger masses of Py are present only while approaching the lCN within bands of grey-green SER/clay alteration. At the lower contact, trace clasts of orange-grey and yellow, vesicular(?), rounded to subangular material (pumice?) appear to be differen from the typical LEP material.									SER	s	t							

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									A strong FO is defined by a laminated fabric and common orientation of clasts, varying from 35 degrees to 55 degrees TCA throughout.	FO	45															
									Pink-white, weakly calcareous, MG VT oriented 15 degrees TCA, 270 degrees to FO. VT is 3 mm wide and crosscuts a narrow, grey-green SER altered band parallel with FO at 318.55 m. Other white VT's follow similar orientation throughout, generally 1 every 2 m throughout.	VT	15	270	0.5													
339.02	361.80	22.78				LST	DOL	cBX	Light to dark grey, FG to MG, intensely DOL altered cBX LST. Light grey cBX clasts are supported by a dark, FG, cBX matrix throughout. Trace LIM alteration is present on some fracture faces. Trace graphitic alteration is exhibited at 339.70 m as FG, soft, dark grey mineralization that rubs off on fingers Trace Py is present as bright yellow, "splashy", MG blebs forming masses up to 1.2 cm in size.					i				LIM	t	t							
									The foliation is highly variable and defined by cBX fabrics, FO orientation varies from 40 degrees to 90 degrees throughout. A common FO could not be determined.	FO	n/a															
									White, CG, dolomitized Ca veinlets, 2 to 4 mm wide, oriented 25 degrees TCA. At times veins are vuggy and weakly calcareous.	VT	25	n/a															
									White, largely void, CG, DOL-Qz-Sp VN oriented 40 degrees TCA. VT is 4 mm wide with orthorhombic, white DOL, clear prismatic Qz and FG, red sphalerite crystals. Coarse grained Qz can be seen growing on VT margins. VT is oriented parallel to a local FO defined by cBX textures.	VT	30	0															
									361.80 m: E.O.H. - The hole was ended because it was well past the targeted OX horizon.																	

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-110

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch		Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
24.75	27.80	3.05	LST		2.93	96	I077018	71	I077018	<0.01	0.05	6	0.02	
27.80	30.85	3.05	LST		2.83	93	I077019	71	I077019	<0.01	0.19	<5	0.17	
30.85	31.85	1.00	LST	VN	0.90	90	I077020	71	I077020	<0.01	19.10	14	0.93	Ba-Pb-Zn VN's with As+Au on XRF
31.85	34.90	3.05	LST		2.82	92	I077021	71	I077021	<0.01	0.44	<5	0.06	
34.90	37.95	3.05	LST		2.96	97	I077035	71	I077035	<0.01	0.11	6	0.01	
133.00	136.00	3.00	LST		2.97	99	I077046	71	I077046	<0.01	0.08	7	0.01	
136.00	138.00	2.00	LST		1.98	99	I077047	72	I077047	0.02	0.15	50	0.02	Dull yellow Py MX
138.00	141.00	3.00	LST		2.97	99	I077048	72	I077048	<0.01	0.01	7	0.01	
149.14	152.14	3.00	LST		2.92	97	I077049	72	I077049	<0.01	0.06	7	0.03	
152.14	154.50	2.36	MBL		2.34	99	I077050	72	I077050	<0.01	0.09	31	0.09	Py banded MBL
154.50	157.50	3.00	MBL		2.98	99	I077051	72	I077051	<0.01	0.11	8	0.03	Py banded MBL/VOL contact
157.50	160.50	3.00	VOL		2.94	98	I077052	72	I077052	<0.01	0.24	<5	0.02	MBL/VOL contact
258.45	261.45	3.00	LST		2.98	99	I077053	72	I077053	0.01	0.10	18	0.06	
261.45	263.50	2.05	VOL		2.00	98	I077054	72	I077054	<0.01	0.24	4	0.20	
263.50	265.57	2.07	VOL		2.07	100	I077056	72	I077056	0.01	0.19	15	0.24	
265.57	268.57	3.00	DOL	OX	2.99	100	I077058	72	I077058	1.68	0.11	5060	62.60	
268.57	270.57	2.00	VOL		2.00	100	I077059	72	I077059	0.01	0.66	98	97.20	
270.57	272.78	2.21	VOL		2.17	98	I077060	72	I077060	0.01	0.62	21	429.00	
272.78	275.82	3.04	LST		2.97	98	I077061	72	I077061	<0.01	0.06	13	0.80	
275.82	278.87	3.05	LST		3.05	100	I077062	72	I077062	<0.01	0.19	31	0.15	
278.87	282.92	4.05	LST		3.05	75	I077063	72	I077063	0.04	0.27	29	3.78	
289.86	292.86	3.00	LST	DOL	3.00	100	I077064	72	I077064	0.01	0.07	12	0.60	
292.86	295.86	3.00	DOL		3.00	100	I077065	72	I077065	0.01	0.17	22	3.07	
295.86	298.86	3.00	LST	DOL	2.92	97	I077066	72	I077066	<0.01	0.13	20	1.71	
-	-	-	-	-	-	-	I077055	72	I077055	<0.01	0.01	8	0.03	Blank (NQ)
-	-	-	-	-	-	-	I077057	72	I077057	0.40	1.70	6630	73.60	Standard RSS-5

HOLE: Rau-10-110

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
3.05	3.96	0.91	0.87	96	0.78	86	MS	FR		
3.96	5.49	1.53	1.44	94	1.20	78	MS	FR		
5.49	7.01	1.52	1.40	92	1.12	74	MS	FR		
7.01	8.53	1.52	1.37	90	1.23	81	MS	FR		
8.53	10.06	1.53	1.50	98	1.38	90	MS	FR		
10.06	13.11	3.05	3.02	99	2.52	83	MS	FR		
13.11	14.63	1.52	1.52	100	1.52	100	MS	FR		
14.63	16.15	1.52	1.49	98	1.45	95	MS	FR		
16.15	17.68	1.53	1.53	100	1.42	93	MS	FR		
17.68	19.20	1.52	1.26	83	1.20	79	MS	FR		
19.20	20.73	1.53	1.53	100	1.53	100	MS	FR		
20.73	22.25	1.52	1.45	95	1.45	95	MS	FR		
22.25	23.77	1.52	1.52	100	1.48	97	MS	FR		
23.77	25.30	1.53	1.40	92	1.05	69	MS	FR		
25.30	26.82	1.52	1.47	97	1.20	79	MS	FR		
26.82	28.35	1.53	1.27	83	0.48	31	MS	FR		
28.35	29.87	1.52	1.52	100	1.22	80	MS	FR		
29.87	31.39	1.52	1.48	97	1.20	79	MS	FR		s
31.39	32.92	1.53	1.30	85	0.94	61	MS	FR		
32.92	34.44	1.52	1.38	91	0.55	36	MS	FR		
34.44	35.97	1.53	1.53	100	1.53	100	MS	FR		
35.97	37.49	1.52	1.41	93	1.06	70	MS	FR		
37.49	39.01	1.52	1.52	100	1.49	98	MS	FR		
39.01	40.54	1.53	1.40	92	1.15	75	MS	FR		
40.54	42.06	1.52	1.52	100	1.39	91	MS	FR		
42.06	43.59	1.53	1.38	90	1.13	74	MS	FR		
43.59	45.11	1.52	1.50	99	1.04	68	MS	FR		
45.11	46.63	1.52	1.48	97	1.37	90	MS	FR		
46.63	48.16	1.53	1.36	89	1.36	89	MS	FR		
48.16	49.68	1.52	1.52	100	0.82	54	MS	FR		
49.68	51.21	1.53	1.53	100	1.53	100	MS	FR		
51.21	52.73	1.52	1.52	100	1.42	93	MS	FR		
52.73	54.25	1.52	1.52	100	1.43	94	MS	FR		
54.25	55.78	1.53	1.40	92	1.40	92	MS	FR		
55.78	57.30	1.52	1.52	100	1.36	89	MS	FR		
57.30	58.83	1.53	1.48	97	1.26	82	MS	FR		
58.83	60.35	1.52	1.52	100	1.47	97	MS	FR		
60.35	61.87	1.52	1.38	91	1.34	88	MS	FR		
61.87	63.40	1.53	1.53	100	1.53	100	MS	FR		
63.40	64.92	1.52	1.49	98	1.49	98	MS	FR		
64.92	66.45	1.53	1.50	98	1.50	98	MS	SW		
66.45	67.97	1.52	1.36	89	0.80	53	MS	SW		
67.97	69.49	1.52	1.52	100	1.06	70	MS	FR		
69.49	71.02	1.53	1.45	95	1.45	95	MS	FR		
71.02	72.54	1.52	1.52	100	1.42	93	MS	FR		
72.54	74.07	1.53	1.46	95	1.16	76	MS	SW		
74.07	75.59	1.52	1.45	95	0.90	59	MS	FR		
75.59	77.11	1.52	1.46	96	0.86	57	MS	FR		
77.11	78.64	1.53	1.52	99	1.39	91	MS	FR		
78.64	80.16	1.52	1.52	100	1.08	71	MS	FR		
80.16	81.69	1.53	1.53	100	1.49	97	MS	FR		
81.69	83.21	1.52	1.43	94	1.25	82	MS	FR		
83.21	84.73	1.52	1.48	97	1.30	86	MS	FR		
84.73	86.26	1.53	1.46	95	1.14	75	MS	FR		
86.26	87.78	1.52	1.45	95	0.91	60	MS	FR		
87.78	89.31	1.53	1.53	100	1.33	87	MS	FR		
89.31	90.83	1.52	1.42	93	1.40	92	MS	FR		
90.83	92.35	1.52	1.52	100	1.22	80	MS	FR		
92.35	93.88	1.53	1.47	96	1.08	71	MS	FR		
93.88	95.40	1.52	1.47	97	1.42	93	MS	FR		
95.40	96.93	1.53	1.47	96	1.47	96	MS	FR		
96.93	98.45	1.52	1.52	100	1.52	100	MS	FR		
98.45	99.97	1.52	1.46	96	1.46	96	MS	FR		
99.97	101.50	1.53	1.50	98	0.91	59	MS	FR		
101.50	103.02	1.52	1.44	95	1.32	87	MS	FR		
103.02	104.55	1.53	1.52	99	1.52	99	MS	FR		
104.55	106.07	1.52	1.47	97	1.47	97	MS	FR		
106.07	107.59	1.52	1.52	100	1.35	89	MS	FR		
107.59	109.12	1.53	1.47	96	1.31	86	MS	FR		
109.12	110.64	1.52	1.52	100	1.52	100	MS	FR		
110.64	112.17	1.53	1.50	98	1.50	98	MS	FR		
112.17	113.69	1.52	1.52	100	1.40	92	MS	FR		
113.69	115.21	1.52	1.47	97	1.47	97	MS	FR		
115.21	117.96	2.75	2.75	100	2.59	94	MS	FR		
117.96	121.01	3.05	2.96	97	2.72	89	MS	FR		
121.01	124.05	3.04	3.04	100	2.73	90	MS	FR		
124.05	127.10	3.05	2.96	97	2.40	79	MS	FR		
127.10	130.15	3.05	3.03	99	2.88	94	MS	FR		
130.15	133.20	3.05	3.05	100	2.41	79	MS	FR		
133.20	136.25	3.05	2.99	98	2.75	90	MS	FR		
136.25	139.29	3.04	3.02	99	2.73	90	MS	FR		
139.29	142.34	3.05	3.00	98	2.54	83	MS	FR		
142.34	145.39	3.05	3.02	99	0.60	20	MS	FR		
145.39	148.44	3.05	3.05	100	2.45	80	MS	FR		
148.44	151.49	3.05	3.00	98	2.51	82	MS	FR		
151.49	154.53	3.04	3.01	99	2.63	87	MS	FR		
154.53	157.58	3.05	3.05	100	2.46	81	MS	FR		
157.58	160.63	3.05	2.99	98	2.30	75	MS	FR		
160.63	163.68	3.05	3.02	99	2.53	83	MS	FR		
163.68	166.73	3.05	3.03	99	2.65	87	MS	FR		
166.73	169.77	3.04	2.79	92	1.77	58	MS	FR		
169.77	172.82	3.05	2.92	96	1.76	58	MS	FR		
172.82	175.87	3.05	2.82	92	1.69	55	MS	FR		
175.87	178.92	3.05	3.04	100	2.60	85	MS	FR		
178.92	181.47	2.55	2.32	91	2.05	80	MS	FR		
181.47	185.01	3.54	3.54	100	3.21	91	MS	FR		
185.01	188.06	3.05	3.00	98	2.28	75	MS	FR		
188.06	191.11	3.05	3.05	100	2.24	73	MS	FR		
191.11	194.16	3.05	3.05	100	0.76	25	MS	FR		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
194.16	197.21	3.05	2.82	92	1.63	53	MS	FR		
197.21	200.25	3.04	2.85	94	1.05	35	MS	FR		
200.25	203.30	3.05	3.02	99	1.82	60	MS	FR		
203.30	206.35	3.05	3.03	99	2.01	66	MS	FR		
206.35	209.40	3.05	2.98	98	1.98	65	MS	FR		
209.40	212.45	3.05	2.99	98	2.09	69	MS	FR		
212.45	215.49	3.04	3.00	99	2.46	81	MS	FR		
215.49	218.54	3.05	2.97	97	2.20	72	MS	FR		
218.54	221.59	3.05	2.92	96	2.15	70	MS	FR		
221.59	224.64	3.05	3.00	98	3.02	99	MS	FR		
224.64	227.69	3.05	3.03	99	1.45	48	MS	FR		
227.69	230.73	3.04	2.58	85	1.81	60	MS	FR		
230.73	233.78	3.05	2.60	85	1.25	41	MS	FR		
233.78	236.83	3.05	3.05	100	1.41	46	MS	FR		
236.83	239.88	3.05	3.05	100	2.11	69	MS	FR		
239.88	242.93	3.05	2.92	96	1.25	41	MS	FR		
242.93	245.97	3.04	2.91	96	1.51	50	MS	FR		
245.97	249.02	3.05	3.05	100	2.28	75	MS	FR		
249.02	252.07	3.05	3.03	99	2.49	82	MS	FR		
252.07	255.11	3.04	3.04	100	2.76	91	MS	FR		
255.11	258.17	3.06	3.03	99	2.65	87	MS	FR		
258.17	261.21	3.04	3.03	100	2.50	82	MS	FR		
261.21	264.26	3.05	2.96	97	2.01	66	MS	FR		
264.26	267.31	3.05	3.05	100	2.58	85	MS	FR		
267.31	270.36	3.05	3.02	99	2.08	68	MS	FR		
270.36	273.41	3.05	2.92	96	1.80	59	MS	FR		
273.41	276.45	3.04	3.04	100	1.74	57	MS	FR		
276.45	279.50	3.05	2.97	97	1.27	42	W	VW		
279.50	282.55	3.05	2.96	97	1.71	56	MS	FR		
282.55	285.60	3.05	3.02	99	2.99	98	MS	FR		
285.60	288.65	3.05	2.97	97	2.60	85	MS	FR		
288.65	291.69	3.04	2.94	97	2.80	92	MS	FR		
291.69	294.74	3.05	2.89	95	2.55	84	MS	FR		
294.74	297.79	3.05	2.91	95	2.64	87	MS	FR		
297.79	300.84	3.05	3.05	100	2.91	95	MS	FR		
300.84	303.89	3.05	3.04	100	2.63	86	MS	FR		
303.89	306.93	3.04	2.92	96	2.13	70	MS	FR		
306.93	309.98	3.05	3.05	100	2.03	67	MS	FR		
309.98	313.03	3.05	2.96	97	2.45	80	MS	FR		
313.03	316.08	3.05	3.03	99	2.97	97	MS	FR		
316.08	319.13	3.05	2.92	96	2.65	87	MS	FR		
319.13	322.17	3.04	2.98	98	2.61	86	MS	FR		
322.17	325.22	3.05	3.05	100	2.50	82	MS	FR		
325.22	328.27	3.05	2.98	98	2.65	87	MS	FR		
328.27	331.32	3.05	2.98	98	2.98	98	MS	FR		
331.32	334.37	3.05	3.05	100	2.56	84	MS	FR		
334.37	337.41	3.04	2.99	98	1.59	52	MS	FR		
337.41	340.46	3.05	2.88	94	2.07	68	MS	FR		
340.46	343.51	3.05	2.94	96	2.46	81	MS	FR		
343.51	346.56	3.05	3.05	100	2.77	91	MS	FR		
346.56	349.61	3.05	2.97	97	2.59	85	MS	FR		
349.61	352.65	3.04	2.92	96	2.56	84	MS	FR		
352.65	355.70	3.05	3.05	100	2.94	96	MS	FR		
355.70	358.75	3.05	2.95	97	2.81	92	MS	FR		
358.75	361.80	3.05	3.01	99	2.90	95	MS	FR		
361.80	E.O.H.									

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-110

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	OVB		N/A	Overburden
2.00	OVB		N/A	Overburden
3.00	OVB		N/A	Overburden
4.00	LST	MBL	0.56	
5.00	LST	MBL	0.88	
6.00	LST	MBL	0.00	
7.00	LST	MBL	0.00	
8.00	LST	MBL	0.00	
9.00	LST	MBL	0.28	
10.00	LST	MBL	0.00	
11.00	LST	MBL	0.02	
12.00	LST	MBL	0.00	
13.00	LST	MBL	0.51	
14.00	LST	MBL	1.12	
15.00	LST	MBL	0.00	
16.00	LST	MBL	0.00	
17.00	LST	MBL	0.00	
18.00	LST	MBL	0.00	
19.00	LST	MBL	0.00	
20.00	LST	MBL	0.36	
21.00	LST	MBL	0.46	
22.00	LST	MBL	0.00	
23.00	LST	MBL	0.00	
24.00	LST	MBL	0.70	
25.00	LST	MBL	0.00	
26.00	LST	MBL	0.00	
27.00	LST	MBL	0.93	
28.00	LST	FOS	0.00	
29.00	LST	FOS	0.00	
30.00	LST	FOS	0.53	
31.00	LST	FOS	0.84	
32.00	LST	FOS	0.00	
33.00	LST	FOS	0.23	
34.00	LST	FOS	1.91	
35.00	LST	FOS	0.60	
36.00	LST	MBL	0.72	
37.00	LST	MBL	0.73	
38.00	LST	MBL	1.39	
39.00	LST	MBL	0.68	
40.00	LST	MBL	4.33	
41.00	LST	MBL	0.78	
42.00	LST	MBL	1.32	
43.00	LST	MBL	1.86	
44.00	LST	MBL	0.50	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	LST	MBL	0.94	
46.00	LST	MBL	1.12	
47.00	LST	MBL	1.32	
48.00	LST	FOS	1.15	
49.00	LST	FOS	3.15	
50.00	LST	FOS	0.00	
51.00	LST	FOS	1.22	
52.00	LST	FOS	1.71	
53.00	LST	FOS	0.87	
54.00	LST	FOS	1.26	
55.00	LST	FOS	1.02	
56.00	LST	FOS	0.92	
57.00	LST	FOS	3.83	
58.00	LST	FOS	1.41	
59.00	LST	FOS	0.00	
60.00	LST	FOS	1.10	
61.00	LST	FOS	0.84	
62.00	LST	FOS	1.88	
63.00	LST	FOS	0.50	
64.00	LST	FOS	2.18	
65.00	LST	FOS	1.07	
66.00	LST	FOS	1.07	
67.00	LST	FOS	1.34	
68.00	LST	FOS	1.59	
69.00	LST	FOS	1.07	
70.00	LST	FOS	1.62	
71.00	LST	FOS	1.00	
72.00	LST	FOS	0.11	
73.00	LST	FOS	1.41	
74.00	LST	FOS	3.96	
75.00	LST	FOS	0.00	
76.00	LST	FOS	0.50	
77.00	LST	FOS	1.10	
78.00	LST	FOS	0.97	
79.00	LST	FOS	1.32	
80.00	LST	FOS	0.94	
81.00	LST	FOS	0.45	
82.00	LST	FOS	1.32	
83.00	LST	FOS	0.90	
84.00	LST	FOS	0.90	
85.00	LST	FOS	1.81	
86.00	LST	FOS	0.95	
87.00	LST	FOS	0.31	
88.00	LST	FOS	0.94	
89.00	LST	FOS	1.09	
90.00	LST	FOS	3.36	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	LST	FOS	0.00	
92.00	LST	FOS	2.58	
93.00	LST	FOS	1.22	
94.00	LST	FOS	1.32	
95.00	LST	FOS	1.47	
96.00	LST	FOS	0.75	
97.00	LST	FOS	1.42	
98.00	LST	FOS	0.94	
99.00	LST	FOS	0.42	
100.00	LST	FOS	0.99	
101.00	LST	FOS	1.10	
102.00	LST	FOS	1.47	
103.00	LST	FOS	1.14	
104.00	LST	FOS	1.51	
105.00	LST	FOS	0.99	
106.00	LST	FOS	1.42	
107.00	LST	FOS	1.94	
108.00	LST	FOS	0.65	
109.00	LST	FOS	1.64	
110.00	LST	FOS	0.73	
111.00	LST	FOS	2.08	
112.00	LST	FOS	1.36	
113.00	LST	FOS	0.08	
114.00	LST	FOS	2.38	
115.00	LST	MBL	3.98	
116.00	LST	MBL	0.29	
117.00	LST	MBL	0.53	
118.00	LST	FOS	0.69	
119.00	LST		0.27	
120.00	LST		1.06	
121.00	LST		2.41	
122.00	LST		1.42	
123.00	LST		0.67	
124.00	LST		0.98	
125.00	LST		0.71	
126.00	LST		1.04	
127.00	LST		1.44	
128.00	LST		1.06	
129.00	LST	FOS	1.57	
130.00	LST	FOS	1.26	
131.00	LST	FOS	0.07	
132.00	LST		1.15	
133.00	LST		0.32	
134.00	LST		0.42	
135.00	LST		0.09	
136.00	LST		0.43	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	LST		0.40	
138.00	LST		1.79	
139.00	LST		2.12	
140.00	LST		0.00	
141.00	LST		0.00	
142.00	LST		1.20	
143.00	LST		0.38	
144.00	LST		1.90	
145.00	LST		1.26	
146.00	LST		1.46	
147.00	LST	FOS	0.00	
148.00	LST	FOS	1.31	
149.00	LST	FOS	0.00	
150.00	LST		2.25	
151.00	LST		0.00	
152.00	LST		2.79	
153.00	MBL		0.31	
154.00	MBL		0.01	
155.00	MBL		1.83	
156.00	MBL		1.99	
157.00	MBL		0.00	
158.00	VOL		3.73	
159.00	VOL		21.50	
160.00	VOL		2.72	
161.00	VOL		3.95	
162.00	VOL		70.90	
163.00	VOL		0.29	
164.00	VOL		5.06	
165.00	VOL		336.00	
166.00	VOL		453.00	
167.00	VOL		30.20	
168.00	VOL		75.50	
169.00	VOL		72.40	
170.00	VOL		48.30	
171.00	VOL		7.55	
172.00	VOL		0.10	
173.00	VOL		1.29	
174.00	VOL		1.29	
175.00	VOL		2.28	
176.00	VOL		2.03	
177.00	VOL		1.81	
178.00	VOL		3.00	
179.00	VOL		1.51	
180.00	VOL		0.64	
181.00	VOL		0.31	
182.00	VOL		0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00	VOL		3.47	
184.00	VOL		1.99	
185.00	VOL		0.40	
186.00	VOL		0.82	
187.00	VOL		0.16	
188.00	VOL		2.21	
189.00	VOL		0.40	
190.00	VOL		1.29	
191.00	VOL		1.29	
192.00	VOL		0.09	
193.00	VOL		3.11	
194.00	VOL		0.58	
195.00	VOL		0.00	
196.00	VOL		2.61	
197.00	VOL		0.00	
198.00	VOL		1.50	
199.00	VOL		1.04	
200.00	VOL		0.87	
201.00	VOL		1.17	
202.00	VOL		1.35	
203.00	VOL		1.14	
204.00	VOL		2.27	
205.00	VOL		1.41	
206.00	VOL		0.57	
207.00	VOL		1.39	
208.00	VOL		0.22	
209.00	VOL		0.43	
210.00	VOL		0.08	
211.00	VOL		0.28	
212.00	VOL		0.53	
213.00	VOL		3.87	
214.00	VOL		1.08	
215.00	VOL		0.90	
216.00	VOL		1.18	
217.00	VOL		0.00	
218.00	VOL		0.18	
219.00	VOL		0.84	
220.00	VOL		0.84	
221.00	VOL		0.32	
222.00	VOL		0.59	
223.00	LST		1.14	
224.00	LST		2.25	
225.00	LST		0.18	
226.00	LST		1.12	
227.00	LST		0.00	
228.00	LST		6.06	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
229.00	LST		0.61	
230.00	LST		2.25	
231.00	LST		4.03	
232.00	LST		3.32	
233.00	LST		0.82	
234.00	LST		0.57	
235.00	LST		0.30	
236.00	LST		0.28	
237.00	LST		1.33	
238.00	LST		1.27	
239.00	LST		1.23	
240.00	LST		2.78	
241.00	LST		1.45	
242.00	LST		1.12	
243.00	LST		0.57	
244.00	LST		0.36	
245.00	LST		0.98	
246.00	LST		0.73	
247.00	LST		0.82	
248.00	LST		1.35	
249.00	LST		0.53	
250.00	LST		1.78	
251.00	LST		2.72	
252.00	LST		1.61	
253.00	LST		1.20	
254.00	LST		0.88	
255.00	LST		3.36	
256.00	LST		2.62	
257.00	LST		0.27	
258.00	LST		1.46	
259.00	LST		2.15	
260.00	LST		0.38	
261.00	LST		1.77	
262.00	VOL		1.83	
263.00	VOL		2.58	
264.00	VOL		0.40	
265.00	LST		0.45	
266.00	DOL	OX	2.15	
267.00	DOL	OX	0.00	
268.00	DOL	OX	3.34	
269.00	LST	MBL	5.50	
270.00	VOL		4.88	
271.00	VOL		6.47	
272.00	VOL		2.47	
273.00	LST		0.23	
274.00	LST		1.42	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
275.00	LST		2.83	
276.00	LST		2.69	
277.00	LST		2.47	
278.00	LST		0.10	
279.00	LST		0.00	
280.00	LST		0.00	
281.00	LST		0.51	
282.00	LST		0.76	
283.00	LST		2.39	
284.00	LST		1.07	
285.00	LST		0.11	
286.00	LST	DOL	0.12	
287.00	LST	DOL	1.42	
288.00	LST	DOL	1.99	
289.00	LST	DOL	0.47	
290.00	LST	DOL	1.99	
291.00	LST	DOL	1.92	
292.00	LST	DOL	0.52	
293.00	LST	DOL	2.89	
294.00	LST	DOL	0.00	
295.00	LST	DOL	0.44	
296.00	LST	DOL	2.92	
297.00	LST	DOL	0.60	
298.00	LST	DOL	1.07	
299.00	LST	DOL	2.91	
300.00	LST	DOL	0.00	
301.00	LST	DOL	3.18	
302.00	LST	DOL	1.64	
303.00	LST	DOL	1.35	
304.00	LST	DOL	1.07	
305.00	LST	DOL	2.41	
306.00	LST	DOL	0.00	
307.00	LST	DOL	2.24	
308.00	LST	DOL	0.00	
309.00	LEP		0.00	
310.00	LEP		0.00	
311.00	LEP		0.64	
312.00	LEP		0.00	
313.00	LEP		1.29	
314.00	LEP		0.40	
315.00	LEP		0.78	
316.00	LEP		0.21	
317.00	LEP		0.45	
318.00	LEP		0.27	
319.00	LEP		0.00	
320.00	LEP		0.71	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
321.00	LEP		0.00	
322.00	LEP		2.23	
323.00	LEP		2.17	
324.00	LEP		2.74	
325.00	LEP		0.98	
326.00	LEP		0.47	
327.00	LEP		1.17	
328.00	LEP		0.00	
329.00	LEP		2.28	
330.00	LEP		2.26	
331.00	LEP		0.76	
332.00	LEP		0.75	
333.00	LEP		8.01	
334.00	LEP		1.53	
335.00	LEP		0.00	
336.00	LEP		4.99	
337.00	LEP		1.15	
338.00	LEP		2.14	
339.00	LEP		0.00	
340.00	LST	DOL	2.15	
341.00	LST	DOL	0.29	
342.00	LST	DOL	0.93	
343.00	LST	DOL	0.00	
344.00	LST	DOL	2.21	
345.00	LST	DOL	0.56	
346.00	LST	DOL	0.00	
347.00	LST	DOL	1.42	
348.00	LST	DOL	0.00	
349.00	LST	DOL	1.90	
350.00	LST	DOL	2.41	
351.00	LST	DOL	2.14	
352.00	LST	DOL	4.11	
353.00	LST	DOL	0.00	
354.00	LST	DOL	0.60	
355.00	LST	DOL	1.62	
356.00	LST	DOL	4.02	
357.00	LST	DOL	1.68	
358.00	LST	DOL	1.79	
359.00	LST	DOL	3.01	
360.00	LST	DOL	0.86	
361.00	LST	DOL	1.24	

DENSITY LOG

HOLE: Rau-10-110

Depth (m)	Unit	Modifier	Texture	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
				Py %	As %	Other	%							
31.85	LST		MO						14.9	6.1	1172.7	737.4	2.72	2.69
90.53	LST	FOS							15.3	6.1	1212.1	765.4	2.74	2.71
118.49	LST	FOS						Bitumenous seams	15.4	5.0	837.0	519.2	2.73	2.63
200.29	VOL	BN							12.6	5.0	686.0	436.7	2.74	2.75
219.05	VOL								15.2	5.0	849.8	547.3	2.81	2.81
252.92	LST	FOS	FO			Po	t		15.0	5.0	822.5	525.7	2.76	2.77
284.00	LST								14.7	5.0	828.5	535.1	2.83	2.82
311.10	VOL	SER		t					12.6	5.0	695.7	442.2	2.77	2.74

BOX LOG

HOLE: Rau-10-110

BOX	FROM (m)	TO (m)
1	3.05	7.01
2	7.01	11.26
3	11.26	15.17
4	15.17	19.46
5	19.46	23.43
6	23.43	27.47
7	27.47	31.77
8	31.70	35.84
9	35.84	39.66
10	39.66	43.86
11	43.86	48.16
12	48.16	51.83
13	51.83	55.78
14	55.78	59.70
15	59.70	63.80
16	63.80	67.88
17	67.88	91.65
18	91.65	75.41
19	75.41	79.34
20	79.34	83.40
21	83.40	87.35
22	87.35	91.13
23	91.13	95.24
24	95.24	99.01
25	99.01	103.02
26	103.02	107.11
27	107.11	111.31
28	111.31	115.21
29	115.21	120.73
30	120.73	126.17
31	126.17	131.82
32	131.82	137.42
33	137.42	143.08
34	143.08	148.44
35	148.44	154.06
36	154.06	159.35
37	159.35	164.81
38	164.81	170.09
39	170.09	175.29
40	175.29	180.69
41	180.69	186.00
42	186.00	191.45
43	191.45	197.02
44	197.02	202.35
45	202.35	207.82

BOX	FROM (m)	TO (m)
45	202.35	207.82
46	207.82	213.08
47	213.08	218.44
48	218.44	223.55
49	223.55	228.63
50	228.63	234.55
51	234.55	239.48
52	239.48	244.98
53	244.98	250.57
54	250.57	256.06
55	256.06	261.70
56	261.70	267.31
57	267.31	272.83
58	272.83	278.44
59	278.44	283.69
60	283.69	289.23
61	289.23	294.74
62	294.74	300.20
63	300.20	305.58
64	305.58	311.29
65	311.29	316.08
66	316.08	321.77
67	321.77	327.26
68	327.26	332.73
69	332.73	338.04
70	338.04	343.30
71	343.30	348.67
72	348.67	353.99
73	353.99	359.59
74	359.59	361.80
361.80 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
10+238NE	10+300NW	528478	7119422	1398	238.66

ZONE: Oxide

SECTION: 10+300NW

HOLE: **Rau-10-111**

CLAIM:

Contractor: Superior

Drill: 2

Core size: HQ

Casing depth: 9.15 m out

Drilling dates: August 21-25, 2010

Geology logged by: K. Wynne, H.Friday

TARGET: Oxide Extension

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-60.0	compass	177.70	232	-58.8	Ranger
40.54	228	-61.3	Ranger	208.18	231	-58.7	Ranger
86.26	231	-61.2	Ranger	223.42	230	-59.0	Ranger
116.74	230	-60.3	Ranger	238.65	230	-59.2	Ranger

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	2.00	2.00	OVB	
2.00	49.82	47.82	ARG	Fo, FX, ARG with t Py
49.82	63.21	13.39	VOL	Variable Fo, with disseminated OX MX
63.21	65.13	1.92	ARG	Locally intense SIL and cBX ARG
65.13	96.32	31.19	LST	cBX, sBX, dolomitized LST
96.32	114.00	17.68	LST	Fo, marblized LST
114.00	116.15	2.15	MBL	Light grey FG MBL
116.15	149.58	33.43	VOL	Fo, intensily CHL VOL, zones of magnetite pebble c
149.58	210.33	60.75	LST	BX, dolomitized LST with weak to intense OX
210.33	219.57	9.24	OX	SID altered, mainly gritty OX
219.57	235.29	15.72	LEP	Fo, He altered LEP with intense MX Py
235.29	238.66	3.37	LST	cBX, silty LST with weak Py MX
238.66	E.O.H.			

SAMPLES

Numbers: I077120-I077134, I077207, I077135-I077180

Total: 62

Batch: 74, 75, 76

Date Sent: August 27, 30 and September 1, 2010

Certificate: VA10122417, VA10125742, VA10125741

COMMENTS

The hole was ended because it was passed the targeted horizon.

GEOLOGY LOG

HOLE: Rau-10-111

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							PHOTO
																		Other					Other		Other	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	2.00	2.00				OVB			Overburden- No Recover																		
2.00	49.82	47.82				ARG			Black to green grey, intensely altered FG ARG with zones of black clay to rubble with minor orange brown patches. Consolidated core locally has dark orange brown subrounded clasts which appear weakly elongate along a FO, and orange brown layers and FX surfaces. Thin white VT, locally orange, of Ca and soft white non-calcareous mineral, locally with vitreous crystals; possibly Barite. Local Qz VN. Trace FG Py.										t							
			2.00	23.27	21.27	ARG			Black to dark green and blue grey, with orange brown patches, and intervals up to 6 m long of clay to rubble, predominantly silt. Weakly calcareous, decreasing down interval. Less altered core has thin Ca VT.																		
			23.27	40.82	17.55	ARG			Dark blue grey to black FG non-calcareous argillite, with weak OX on FX, in VT, and in layers and clasts. Clasts subrounded, orange brown, weakly elongate on irregular FO. Trace FG to MG Py disseminated. Thin white, soft, non-calcareous VT locally orange altered; possibly Barite with Smithsonite/OX. Some Ca VT. Very broken zones, corroded look with vugs common.	FO	30					w				t							
											55																
			26.84	26.91	0.07				7 cm Qz VN with Ca rims and orange OX associated. Qz VT and patches for ~ 50 cm afterwards.	VN	60																
			30.24	30.80	0.56	ARG			Medium blue grey non-calcareous layer, with orange buff patches, FO, with irregular CN with black argillite. Weak to fair FG disseminated Py. Small white and light yellow soft non-calc patch on FX surface; Talc?	FO	35									w							
			40.82	48.08	7.26	ARG			Dark green grey FG non-calcareous argillite with black and blue grey clasts locally, subrounded and elongate on FO. Fair OX on FX and pervasive through < 25 cm zones as red orange OX clay to rubble. No VT, trace disseminated Py. Interval very broken with clay to rubble intervals < 3 m. Lighter green zones appear SER altered; some volcaniclastic component?	FO	30					f			t							

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			48.08	49.82	1.74	ARG			Medium blue grey and black interlayered ARG and volcaniclastic, as irregular FO and layers. Weak FG Py in patches. Bright orange, soft, non-calcareous layer.											w							
49.82	63.21	13.39				VOL			Interlayered black, blue grey and green grey, FG VOL and ARG. Altered orange brown in patches, layers, and zones. FG to MG disseminated OX MX. Layers thin to < 30 cm thick, form variable FO. Non-calcareous.							s											x
63.21	65.13	1.92				ARG			Sharp irregular uCN with VOL/ARG. Medium to dark grey ARG, locally intense SIL with cBX like texture. Interval very broken, with zones < 20 cm of dark red brown OX/SID clay to rubble, with red brown alteration on FX of broken core. Interval non-calcareous.																		
65.13	96.32	31.19				LST	DOL	cBX	medium grey LST, strongly cBX to sBX by DOL/Ca with weak overprinting, with DOL/Ca VT to VN, commonly at 25 to 40 degrees TCA, and Qz/Ca VN. Thin black styolites commonly truncate structures (VT and blebs of Qz/Ca/DOL). Weak OX on FX and VT/VN. Qz/Ca VN up to 20 cm wide ~ 50 degrees. Thin black seams defining local FO of ~ 30 degrees, commonly erratic and are mBX by VT and VN. Very broken rubble zones < 20 cm, some altered to dark brown clay to grit. DOL VN < 15 cm.	VT	40			m		t											
96.32	114.00	17.68				LST	MBL	FO	Dark to light grey, FO LST with favocites, and possible colonial rugose fossils. Circular Ca blebs elongate on FO may also be organic in origin. Locally moderate to intense MBL, increasing down interval to pervasive strong MBL. Intervals < 1 m of very broken altered core, easily broken to grit.									MBL	ms							
			96.93	97.83	0.90	LST	OX	GRT	Orange brown clay to grit, and orange to dark brown alteration of LST over zones < 20 cm and layers following FO.							s										
			108.19	109.08	0.89	LST		SLT	Dark grey LST with brown clay to silt alteration. Very broken.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
114.00	116.15	2.15				MBL			Light grey FG MBL with dark grey layers and trace light orange brown OX in thin layer and on FX. Dark grey layers increase toward lCN; uCN and lCN gradational.							t											
116.15	149.58	33.43				VOL	CHL		Green blue grey, intense CHL VOL with Ca VT and blebs, erratically elongate on FO. Bi rich layers brown, with platy MX on FX. OX on FX surfaces which generally follow FO. Small Ca spots within VOL, elongate on FO, make VOL weak to strongly calcareous, and some of the spots have stylolitic texture. Very broken zones < 30 cm long, with blue grey clay on surfaces. Segments of dark grey magnetite pebble conglomerate with clasts ranging from 1cm to 10cm and elongate along FO. Variable magnetite patches throughout unit. FO ranges from 50-75 deg TCA	FO	60							CHL	i								x
																			BIO	m							
			120.73	121.00	0.27	VOL	RBL		Very broken up, rubbly section. Clasts range from 3mm - 2cm with a medium grey clay coating on the surface.																		
			121.74	123.46	1.72	VOL	CHL		Dark green-grey, MG, intense CHL VOL with 15% Ca blebs that are irregular in shape and only mildly follow FO; look almost stylolitic. Some of the Ca blebs have a slight pink alt.									CHL	i								
			123.46	130.75	7.29	VOL	CGL		Medium to dark grey, FG to MG VOL magnetite pebble conglomerate. Dark greenish-medium grey clasts that are elongate along Fo; SER altered clasts. Clasts range from 0.5cm - 10cm wide and 3cm upwards in elongated length. Clasts have visible Mg specks throughout and many appear zoned. Mg matrix supported CGL.	FO	50							SER	m				Mg	ms			x
			124.44	124.56	0.12	VOL	RBL		Very broken up, rubbly section. Clasts range from 2mm - 1cm with a medium grey clay coating on the surface.																		
			132.60						Ca VT that has stylolitic texture. 0.5mm thick with wisps of Ca up to 2cm thick.	VT	40	130	2														
										FO	75																
			134.33	134.43	0.10	VOL			Ca VN/large bleb. Sharp contacts with VOL at widest part and very gradational as bleb thins. Ca has a slight buff alteration in places. No measurable orientation.	VN																x

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	Photo
			135.08	139.56	4.48	VOL			Medium green-grey, MG, CHL VOL with 20% Ca spots that are 1mm-4mm wide and elongate along FO. Ca spots are quite rounded and very white in colour. They appear in "bands" of more intense Ca regions. Wispy blue-blueish grey Ca stylolite-VT throughout interval with no measurable orientation.																		
			139.98	147.50	7.52	VOL			Dark grey to black, MG VOL with Ca VT/elongate blebs that follow/define FO. Ca VT/blebs are more common towards end of interval. uCN is very sharp and has a slightly OX-clay ~2mm coating. FX surfaces also have a mild OX-clay coating. lCN is gradational over 30cm.	FO	70					t												
										uCN	90																
			147.50	149.08	1.58	VOL	OX		Moderately to intensely OX VOL with a light to medium buff colour (VOL slightly bleached). Fizzes strongly in the less OX regions with 10% HCl, and weakly in the more OX zones. FO present in some of the weaker OX zones. Small MBL LST sections seen throughout with brown, platy Bi present.	FO	65					s		BIO	t							x
			149.08	149.58	0.50	OX			Medium brown to orange, clay rich, vFG to FG OX. Extremely sharp contact into LST below.	lCN	30															x
149.58	210.33	60.75				LST	OX		Light to medium grey, MG to CG DOL LST with a lack of FO, and some places slightly BX with zones of weakl to intense OX. From 152-167m interval is 40-50% OX, 50-60% LST. OX becomes less pervasive down interval and is only fair to moderate OX overall. DOL intensity varies throughout interval from weak to intense. Dogtooth sparry texture visible in the competent LST segments, with trace Bi and trace OX Py.					s		m				t							x
			149.58	151.34	1.76	LST	MBL		Light to medium grey, MG, slightly FO/BN, intense MBL LST. Banding very planer at start of interval and becoming more undulating down hole. Gradational lCN into LST.									MBL	i								
			152.00	152.70	0.70	OX	LST		Medium brown, FG to MG OX LST. Ca rimming lCN. uCN gradational.	lCN	25															
			154.33	154.76	0.43	OX	GRT		Medium grey-brown, MG, GRT OX. Grit at start of interval and more rubble at end of interval. Fizzes strongly with 10% HCL. Holds shape of core.							i									

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	Photo
			155.59	156.75	1.16	OX	GRT		Dark red-brown-grey, MG to CG GRT OX. Colour variant throughout interval with a few light patches in the middle. Sharp contacts into LST. Does not fizz with 10% HCL. Holds core shape, and is darker brown on the inside.	uCN	25					i											
			157.53	158.39	0.86	OX	GRT		Dark red-brown, MG to CG OX GRT. Fizzes strongly with 10% HCl. Darker brown colour on the inside, and holds core shape.	uCN	65					i											
			160.03	161.96	1.93	OX			Dark red-brown, MG OX. Fizzes strongly with 10% HCl. Colour the same on the outside and inside of the core. Holds core shape. Sharp uCN - non-measureable with a more gradational lCN							i											
			163.93	163.37	-0.56	OX	GRT		Dark red-brown, CG OX. Sharp UCN	uCN	45					i											
			174.30	174.61	0.31	SID			Dark brown, porous, MG to CG SID VN. Sharp but undulating contacts with Ca rimming present at both.	VN																x
										uCN	65																
										lCN	30																
			176.00	176.74	0.74	DOL			CG to vCG slightly OX DOL. Slight yellow/pinkish alt - Ankerite. LST "clasts" seen at end of interval between the CG DOL crystals.						w											
			183.72	185.32	1.60	OX	LST		Medium brown-red, MG very intensely OX DOL LST. DOL LST texture present in the less intensely OX segments. Rock is competent but extremely weak. Fizzes moderately with 10% HCl. Surface of core has pits -- eroded from drilling. OX has a very gritty texture.					m		i											
			185.32	186.93	1.61	OX			Medium red-brown-orange, FG to MG OX. Fizzes moderately at top of interval, but does not down interval with 10% HCl. Core holds its shape, and external colour is the same as the internal colour. uCN very gradational, lCN sharp.	lCN	50	320														
										FO	45																
			186.93	207.36	20.43	LST	OX		DOL OX LST has a slight FO at top of interval. FO very weak, but becoming more defined down interval. FO varies from 45 deg. To 65 deg. TCA.	FO	55																
			191.00	191.41	0.41	OX	LST		Orange-red-brown, FG to MG OX LST. Large partially OX Py crystals visible. OX competent and holds core shape. Sharp uCN and lCN.	uCN	90								t							x
										lCN	90																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	Photo
			192.98	200.61	7.63	LST	OX		Medium grey, FG to MG LST. DOL altered in small sections of interval in small seams and stringers along FO. DOL alteration not as pervasive as surrounding intervals. Dark grey/brown, slightly OX stringers defining FO -- 55-65 deg. TCA. FX surfaces strongly OX. Fizzes intensely with 1-% HCl. Some seams/FX have a pinkish colouration - HEM?	FO	60			w		w		HEM	w							
			200.02	200.23	0.21	LST	Ca		CG, white Ca VN. Could be a series of closely spaced VT. LST appearing through "bands" of Ca. Dark rimming around crystals (silt?) Gradational uCN, sharp lCN.	VN																		x
										lCN	55																
			202.45	203.64	1.19	LST	OX		A series of DOL VT following FO in dark grey, FO LST that has OX on FX surfaces. VT have dogtooth texture and a few VT have some darker infilling in the middle. The DOL appears slightly orange/pinkish - Ankerite?	VT	60				w												x
										FO	60																
210.33	219.57	9.24				OX			Light orange-red to dark brown, MG to vCG primarily grit OX. Many segments are SID altered and much more competent, with a few OX Qz VN. uCN sharp. First 45cm fizzes strongly with 10% HCl, but rest of interval does not fizz. There are a few segments of competent, intensely OX mBX VOL.	uCN	50						m								
			210.33	214.45	4.12	OX	GRT		Medium reddish-brown to dark brown, CG to vCG OX GRT. First 45cm calcareous. SID alteration increasing down interval - moderate SID at end. OX mainly doesn't hold core shape and is mainly consistent in colour from interior to exterior.								m									
			214.45	216.85	2.40	OX	SID		Dark reddish-brown, MG to vCG SID OX. Core is competent and holds shape -- moderately strong to weak in strength. Core is darker in the inside - a very dark reddish brown. Interior colour appears somewhat variant and mottled. Gradational contacts.								s									
			216.85	219.57	2.72	OX	VOL	mBX	Medium orange-brown to light grey-brown, FG to MG, tBX OX SER VOL. SID alt. Is most pervasive at top of interval and weakens towards the end. Visible mBX in the VOL with trace Py around clasts. A slight FO visible - 55 deg. TCA. Several vCG QZ VN/VT seen throughout interval.	FO	55						m	SER	s	t					x

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			217.75	218.27	0.52				A series of 1-4cm vCG OX Qz VN. No preferred orientation visible and not measurable. The material around the Qz crystals have been heavily OX and eroded, so VN appear vuggy.	VN																	
219.57	235.29	15.72				LEP	MX		Medium grey-brown, FG to MG heavily Py MX, FO, HEM altered LEP with slight OX locally. LEP texture very FG - smaller Ca blebs ~ 1-2mm with very few larger blebs. Py MX is semi-massive (seem more at top of interval) FG Py and wispy vFG Py to CG/vCG splashy, disseminated Py (seen more at bottom of interval). HEM alteration locally from weak to intense in thin 1-2mm bands along FO. HEM alteration pervasive at top of interval and not present down interval. CG DOL VN/blebs at top of interval ~2-3 cm wide with orange alteration on rims. Qz VT/blebs seen sporadically throughout interval -- associated with Py MX. FO 55 - 65 deg. TCA. uCN gradational. lCN gradational and following FO. Weak OX at lCN in bands. Interval weakly fizzes in the highly MX areas and fizzes intensely in the very un-MX areas. Weak OX on FX surfaces	FO	60						w				ms							
											lCN	55															
			219.57	220.12	0.55	OX	Py	GRT	FG to CG, light to dark grey, intensely OX massive Py grit. Holds core shape and Py "sand" can be seen inside core. Gradational contacts.	VN																		
			220.12	222.08	1.96	LEP	HEM		Medium grey-brown to red-brown, FG to MG FO HEM altered LEP. Buff stringers throughout interval following FO. Weak OX of interval causing slight erosion of core due to drilling in the more intensely HEM altered patches. Gradational contacts	FO	65						w		HEM	s	t						x
			222.29	223.43	1.14	MX	Py		MG to CG, greenish-yellow, bright massive to semi massive Py VN. Contacts gradational - interfingering into LEP. Qz VN and blebs seen throughout interval - CG to vCG	VN											i						x
			224.21	224.72	0.51	MX	Py		Greenish-yellow, bright, MG massive Py VN. Small Qz blebs seen throughout. Gradational contacts with some interfingering.	VN											i						
			235.18	235.25	0.07	MX	Py		Greenish-yellow, bright, MG to CG massive Py VN. Sharp uCN and lCN following FO.	VN											i						
										uCN	80	170															
										FO	65																
										lCN	65	0															

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	Photo
			225.80	225.95	0.15	MX	Py		CG to vCG, bright yellow-green massive Py. Qz blebs seen at top of interval. Very sharp contacts	VN										i							x
										uCN	25	235															
										lCN	60	55															
										FO	50																
			228.89	228.96	0.07	MX	Py		FG to MG, dull yellow-green massive Py VN. Sharp contacts	VN										i							
										uCN	65																
										lCN	65																
			226.40	232.26	5.86	LEP			Medium to dark grey-brown, MG to CG Ca rich LEP. Ca blebs and spots range from 1mm to 5mm. Disseminated Py throughout. Pervasive banding with some wispy Py following.	FO	65									ms							x
235.29	238.66	3.37				LST	SLT		Dark grey-black, vFG to FG, weakly cBX silty LST with weak Py MX throughout. Ca stringers throughout interval defining weak FO (at 55deg. TCA) with some weak DOL alteration. Py MX is MG to CG bright yellowy-green primarily massive blebs 2cm - 5cm in size, but some FG Py is seen along rims of Ca stringers. cBX texture seen locally throughout interval in segments of 10-30cm. Matrix is medium grey, mottled very Ca rich. BX has a mBX appearance in some intervals.	FO	55			t						w							x
			238.50	238.66	0.16				White-grey to buff, vCG QZ VN with Ca and \Py rimming crystals. Ca rimming contact. Qz VN continues past EOH.	VN																		
										uCN	15																
									238.66 m: E.O.H. - The hole was ended because the target depth was passed.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-111

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
40.54	43.59	3.05	ARG		2.35	77	I077120	74	<0.01	0.32	17	0.05	
43.59	46.63	3.04	ARG		2.70	89	I077121	74	<0.01	0.33	13	0.07	
46.63	48.08	1.45	ARG		1.40	97	I077122	74	<0.01	0.18	9	0.05	
48.08	49.82	1.74	ARG		1.60	92	I077123	74	<0.01	0.11	13	0.07	
49.82	52.73	2.91	ARG		2.89	99	I077124	74	<0.01	0.10	11	0.06	
52.73	55.78	3.05	ARG		2.66	87	I077125	74	<0.01	0.98	58	0.06	
55.78	58.83	3.05	ARG		3.05	100	I077126	74	<0.01	0.99	74	0.34	
58.83	60.35	1.52	VOL		1.51	99	I077127	74	<0.01	0.12	14	0.05	
60.35	61.87	1.52	VOL		1.50	99	I077129	74	<0.01	0.10	20	0.07	
61.87	63.21	1.34	VOL		1.34	100	I077130	74	<0.01	0.73	66	0.12	
63.21	65.13	1.92	ARG		1.47	77	I077131	74	<0.01	0.26	32	0.07	
65.13	67.97	2.84	ARG		2.65	93	I077133	74	<0.01	0.02	<5	0.02	
147.50	149.58	2.08	VOL	OX	1.87	90	I077134	74	0.04	0.22	372	16.35	
149.58	151.79	2.21	LST	MBL	2.20	100	I077207	76	0.02	0.03	12	0.23	*Sample added in later in sequence*
151.79	153.31	1.52	LST	DOL	1.28	84	I077135	74	0.05	0.19	651	9.22	
153.31	155.59	2.28	LST	DOL	1.83	80	I077136	74	0.05	0.09	319	0.68	
155.59	156.75	1.16	OX		1.02	88	I077137	74	1.38	1.67	12600	417.00	
156.75	157.53	0.78	LST	DOL	0.74	95	I077138	74	0.07	0.05	232	1.26	
157.53	158.39	0.86	OX		0.84	98	I077139	74	12.45	1.50	29200	619.00	
158.39	160.93	2.54	LST	DOL	2.54	100	I077141	74	0.06	0.13	950	6.91	
160.93	161.96	1.03	OX		0.94	91	I077142	74	2.77	0.67	16000	465.00	
161.96	163.98	2.02	LST	OX	1.93	96	I077143	74	0.84	0.15	5880	157.00	
163.98	167.03	3.05	LST	OX	1.36	45	I077144	74	1.19	0.85	10900	74.10	
167.03	170.08	3.05	LST	DOL	2.92	96	I077146	74	0.15	0.22	1010	6.09	
170.08	173.13	3.05	LST	DOL	2.53	83	I077147	74	0.08	0.13	416	4.43	
173.13	176.17	3.04	LST	DOL	2.54	84	I077148	74	1.74	0.19	1100	75.20	
176.17	177.70	1.53	LST	OX	0.96	63	I077149	74	0.19	0.20	991	24.00	
177.70	179.22	1.52	LST	OX	0.96	63	I077150	74	3.18	0.46	1820	124.50	
179.22	182.27	3.05	LST	DOL	2.94	96	I077151	74	0.06	0.05	272	1.35	
182.27	185.32	3.05	OX	LST	1.88	62	I077153	74	0.40	0.37	2460	13.95	
185.32	186.93	1.61	OX		0.98	61	I077154	74	0.71	2.41	20500	41.40	
186.93	189.89	2.96	LST	OX	1.61	54	I077155	75	0.05	0.17	884	3.39	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
189.89	192.94	3.05	LST	OX	1.43	47	I077156	75	0.12	0.98	1540	13.55	
192.94	195.99	3.05	LST	OX	2.82	92	I077157	75	0.02	0.11	402	3.31	
195.99	199.03	3.04	LST	OX	3.04	100	I077158	75	0.01	0.07	292	1.35	
199.03	202.08	3.05	LST	OX	1.40	46	I077159	75	0.01	0.14	289	1.11	
202.08	205.13	3.05	LST	OX	2.92	96	I077160	75	0.02	0.07	416	3.05	
205.13	208.18	3.05	LST	OX	2.81	92	I077161	75	0.02	0.21	519	3.77	
208.18	210.33	2.15	LST	OX	1.61	75	I077163	75	0.02	0.39	634	6.20	
210.33	211.23	0.90	OX		0.87	97	I077164	75	0.06	15.50	4330	139.50	
211.23	212.75	1.52	OX		0.21	14	I077165	75	0.26	21.40	6920	775.00	
212.75	214.45	1.70	OX		0.75	44	I077166	75	0.26	28.50	9680	319.00	
214.45	216.85	2.40	OX	SID	0.99	41	I077167	75	0.33	8.14	8080	513.00	
216.85	219.57	2.72	OX	VOL	2.51	92	I077168	75	0.37	12.20	4160	543.00	
219.57	220.12	0.55	MX	Py	0.55	100	I077169	75	0.27	2.14	1670	379.00	
220.12	221.89	1.77	LEP	HEM	1.70	96	I077171	75	0.17	0.35	2340	43.90	
221.89	224.94	3.05	LEP		3.05	100	I077172	75	0.18	5.93	1450	581.00	
224.94	227.79	2.85	LEP		3.03	106	I077173	75	0.04	1.54	483	446.00	
227.79	231.04	3.25	LEP		3.05	94	I077174	75	0.04	0.44	519	67.60	
231.04	234.09	3.05	LEP		3.04	100	I077175	75	0.02	0.20	769	122.50	
234.09	235.29	1.20	LEP		1.20	100	I077177	75	0.20	0.29	638	137.50	
235.29	237.13	1.84	LST	SLT	1.84	100	I077179	75	0.04	0.42	132	26.50	
237.13	238.66	1.53	LST	SLT	1.47	96	I077180	75	0.02	0.33	92	11.75	
-	-	-	-	-	-	-	I077128	74	<0.01	0.02	<5	0.03	Blank HQ
-	-	-	-	-	-	-	I077132	74	0.41	6.87	2	1.26	Standard ROS-1
-	-	-	-	-	-	-	I077140	74	0.01	0.01	35	0.59	Blank (HQ)
-	-	-	-	-	-	-	I077145	74	8.67	29.30	7	1.07	Standard ROS-4
179.22	182.27	3.05	LST	DOL	2.94	96	I077152	74	0.04	0.04	177	1.26	Duplicate
-	-	-	-	-	-	-	I077162	75	2.69	1.40	1990	3.00	Standard ROS-3
-	-	-	-	-	-	-	I077170	75	<0.01	0.02	7	0.88	Blank (HQ)
231.04	234.09	3.05	LEP		3.04	100	I077176	75	0.01	0.23	889	176.00	Duplicate
-	-	-	-	-	-	-	I077178	75	3.77	0.23	57600	219.00	Standard RSS-7

GEOTECHNICAL LOG

HOLE: Rau-10-111

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
2.00	2.44	0.44	0.44	100	0.00	0	W	SW		
2.44	3.96	1.52	0.35	23	0.00	0	W	SW		
3.96	5.49	1.53	0.31	20	0.00	0	W	SW		
5.49	7.01	1.52	0.49	32	0.00	0	W	SW		
7.01	8.53	1.52	0.91	60	0.00	0	EW	SW		
8.53	10.06	1.53	0.45	29	0.00	0	W	SW		
10.06	11.58	1.52	0.62	41	0.00	0	W	SW		
11.58	13.12	1.54	0.93	60	0.00	0	W	SW		
13.12	14.63	1.51	0.85	56	0.00	0	W	SW		
14.63	16.15	1.52	0.70	46	0.00	0	W	SW		
16.15	17.68	1.53	1.35	88	0.00	0	W	SW		
17.68	19.20	1.52	0.60	39	0.00	0	W	SW		
19.20	20.73	1.53	1.42	93	0.00	0	W	SW		
20.73	22.25	1.52	1.47	97	0.25	16	W	SW		
22.25	23.77	1.52	0.85	56	0.00	0	MS	SW		
23.77	25.30	1.53	1.47	96	0.73	48	W	SW		
25.30	26.82	1.52	1.42	93	1.21	80	W	SW		
26.82	28.35	1.53	0.34	22	0.54	35	W	SW		
28.35	29.87	1.52	1.36	89	1.08	71	MS	SW		
29.87	31.39	1.52	1.41	93	1.13	74	MS	SW		
31.39	32.92	1.53	1.50	98	1.24	81	MS	SW		
32.92	35.97	3.05	1.44	47	0.62	20	W	SW		
35.97	37.49	1.52	0.78	51	0.39	26	MS	SW		
37.49	39.01	1.52	1.05	69	0.00	0	W	SW		
39.01	40.54	1.53	0.91	59	0.00	0	W	SW		
40.54	42.06	1.52	1.18	78	0.00	0	W	SW		
42.06	43.59	1.53	1.17	76	0.00	0	W	SW		
43.59	45.11	1.52	1.44	95	0.00	0	W	SW		
45.11	46.63	1.52	1.26	83	0.00	0	W	SW		
46.63	48.16	1.53	1.47	96	0.00	0	W	SW		
48.16	49.68	1.52	1.41	93	0.32	21	W	SW		
49.68	51.21	1.53	1.53	100	1.53	100	MS	SW		
51.21	52.73	1.52	1.52	100	1.04	68	W	MW		
52.73	54.25	1.52	1.52	100	0.25	16	W	MW		
54.25	55.78	1.53	1.53	100	0.00	0	W	MW		
55.78	57.30	1.52	1.52	100	0.46	30	W	MW		
57.30	58.83	1.53	1.37	90	0.25	16	W	HW		
58.83	60.35	1.52	1.52	100	1.00	66	W	MW		
60.35	61.87	1.52	1.50	99	1.20	79	W	MW		
61.87	63.40	1.53	1.53	100	1.39	91	W	MW		
63.40	64.92	1.52	1.03	68	0.17	11	W	MW		
64.92	66.45	1.53	1.36	89	0.28	18	W	MW		
66.45	67.97	1.52	1.52	100	0.52	34	W	SW		
67.97	69.49	1.52	1.39	91	0.48	32	W	SW		
69.49	71.02	1.53	1.53	100	1.09	71	W	SW		
71.02	72.54	1.52	1.44	95	1.31	86	MS	SW		
72.54	74.07	1.53	1.42	93	1.30	85	MS	SW		
74.07	75.59	1.52	1.51	99	1.36	89	MS	SW		
75.59	77.11	1.52	1.50	99	1.30	86	MS	SW		
77.11	78.64	1.53	1.30	85	1.24	81	MS	SW		
78.64	80.16	1.52	1.38	91	0.93	61	MS	SW		
80.16	81.69	1.53	1.42	93	1.25	82	MS	SW		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
81.69	83.21	1.52	1.36	89	1.06	70	MS	SW		
83.21	84.73	1.52	1.50	99	1.08	71	MS	SW		
84.73	86.26	1.53	1.43	93	1.15	75	MS	SW		
86.26	87.78	1.52	1.51	99	1.16	76	MS	SW		
87.78	89.31	1.53	1.18	77	1.18	77	MS	SW		
89.31	90.83	1.52	1.52	100	1.48	97	MS	SW		
90.83	92.35	1.52	1.47	97	1.47	97	W	MW		
92.35	93.88	1.53	1.43	93	1.09	71	MS	SW		
93.88	95.40	1.52	1.50	99	1.22	80	MS	SW		
95.40	96.93	1.53	1.38	90	0.79	52	MS	SW		
96.93	98.45	1.52	1.47	97	0.38	25	MS	SW		
98.45	99.97	1.52	1.05	69	0.16	11	MS	SW		
99.97	101.50	1.53	1.19	78	0.82	54	MS	SW		
101.50	103.02	1.52	1.43	94	1.16	76	MS	SW		
103.02	104.55	1.53	0.94	61	0.16	10	MS	SW		
104.55	106.07	1.52	1.44	95	0.28	18	MS	SW		
106.07	107.59	1.52	1.38	91	0.68	45	MS	SW		
107.59	109.12	1.53	1.49	97	0.41	27	MS	SW		
109.12	110.64	1.52	1.41	93	1.17	77	W	MW		
110.64	112.17	1.53	1.53	100	1.48	97	MS	SW		
112.17	113.69	1.52	1.44	95	1.16	76	MS	SW		
113.69	115.21	1.52	1.35	89	0.60	39	MS	SW		
115.21	116.74	1.53	1.39	91	0.29	19	MS	SW		
116.74	118.26	1.52	1.52	100	1.11	73	MS	SW		
118.26	119.79	1.53	1.49	97	1.01	66	MS	SW		
119.79	121.31	1.52	1.43	94	0.87	57	MS	SW		
121.31	122.83	1.52	1.52	100	1.05	69	MS	SW		
122.83	124.36	1.53	1.52	99	0.35	23	MS	SW		
124.36	125.88	1.52	1.44	95	0.28	18	MS	SW		
125.88	127.41	1.53	1.33	87	0.59	39	MS	SW		
127.41	128.93	1.52	1.23	81	0.19	12	MS	SW		
128.93	130.45	1.52	1.52	100	0.18	12	MS	SW		
130.45	131.98	1.53	1.53	100	0.00	0	MS	SW		
131.98	133.50	1.52	1.45	95	0.53	35	MS	SW		
133.50	135.03	1.53	1.51	99	1.07	70	MS	SW		
135.03	136.55	1.52	1.52	100	0.26	17	MS	SW		
136.55	138.07	1.52	1.52	100	0.68	45	MS	SW		
138.07	139.60	1.53	1.53	100	0.81	53	MS	SW		
139.60	141.12	1.52	1.37	90	0.35	23	MS	SW		
141.12	142.65	1.53	1.51	99	0.78	51	MS	SW		
142.65	144.17	1.52	1.42	93	0.98	64	MS	SW		
144.17	145.69	1.52	1.40	92	1.25	82	MS	SW		
145.69	147.22	1.53	1.49	97	0.52	34	W	SW		
147.22	148.74	1.52	1.49	98	0.00	0	W	HW		
148.74	150.27	1.53	1.24	81	0.51	33	EW	EW	10YR7/8	
150.27	151.79	1.52	1.52	100	0.83	55	MS	SW		
151.79	153.31	1.52	1.42	93	0.55	36	MS	MW	7.5YR5/6	
153.31	154.84	1.53	1.19	78	0.46	30	W	HW		
154.84	156.36	1.52	1.37	90	0.44	29	EW	EW	5YR5/6	
156.36	157.89	1.53	1.32	86	0.50	33	EW	EW	5YR5/6	
157.89	159.41	1.52	1.48	97	0.93	61	EW	EW	5YR5/6	
159.41	160.93	1.52	1.52	100	1.29	85	W	MW		
160.93	162.46	1.53	1.42	93	0.00	0	EW	EW	7.5YR5/6	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
162.46	163.98	1.52	1.41	93	0.32	21	EW	EW	5YR4/6	
163.98	165.51	1.53	1.46	95	0.21	14	EW	EW	7.5YR6/8	
165.51	167.03	1.52	1.36	89	0.00	0	W	HW		
167.03	168.55	1.52	1.39	91	0.56	37	W	HW		
168.55	170.08	1.53	1.53	100	0.87	57	EW	EW		
170.08	171.60	1.52	1.44	95	0.84	55	W	HW		
171.60	173.13	1.53	1.09	71	0.38	25	W	HW		
173.13	174.65	1.52	1.22	80	0.48	32	W	HW		
174.65	176.17	1.52	1.32	87	0.98	64	W	HW		
176.17	177.70	1.53	0.87	56.86	0.56	37	W	HW		
177.70	179.22	1.52	1.00	65.79	0.13	9	W	HW		
179.22	180.75	1.53	1.40	91.50	1.13	74	MS	MW		
180.75	182.27	1.52	1.47	96.71	0.97	64	MS	MW		
182.27	183.79	1.52	0.92	60.53	0.62	41	W	MW		
183.79	185.32	1.53	1.01	66.01	0.10	7	W	HW		
185.32	186.64	1.32	1.04	78.79	0.00	0	EW	EW	5YR3/4	
186.64	188.37	1.73	1.57	90.75	1.19	69	W	MW		
188.37	189.89	1.52	1.35	88.82	1.10	72	W	MW		
189.89	191.41	1.52	1.45	95.39	0.92	61	W	HW		
191.41	192.94	1.53	1.34	87.58	1.03	67	W	HW		
192.94	194.46	1.52	1.52	100.00	0.90	59	W	MW		
194.46	195.99	1.53	1.43	93.46	0.77	50	W	MW		
195.99	197.51	1.52	1.47	96.71	0.64	42	MS	MW		
197.51	199.03	1.52	1.50	98.68	1.42	93	MS	MW		
199.03	200.56	1.53	1.35	88.24	0.82	54	MS	MW		
200.56	202.08	1.52	1.28	84.21	0.56	37	MS	MW		
202.08	203.61	1.53	1.51	98.69	1.21	79	MS	MW		
203.61	205.13	1.52	1.46	96.05	0.98	64	W	MW		
205.13	206.65	1.52	1.50	98.68	1.11	73	MS	MW		
206.65	208.18	1.53	1.48	96.73	0.34	22	W	HW		
208.18	209.70	1.52	1.34	88.16	1.13	74	W	HW		
209.70	211.23	1.53	1.25	81.70	0.00	0	EW	EW	7.5YR5/6	OXIDE
211.23	212.75	1.52	0.46	30.26	0.00	0	EW	EW	5YR4/6	OXIDE
212.75	214.27	1.52	0.93	61.18	0.00	0	EW	EW	5YR3/4	OXIDE
214.27	215.80	1.53	1.43	93.46	0.00	0	EW	EW	5YR5/8	OXIDE
215.80	217.32	1.52	1.51	99.34	0.00	0	EW	EW	5YR3/8	OXIDE
217.32	218.85	1.53	1.53	100.00	0.00	0	EW	EW	7.5YR5/8	OXIDE
218.85	220.37	1.52	1.36	89.47	0.00	0	EW	EW	2.5Y7/4	OXIDE
220.37	221.89	1.52	1.52	100.00	1.03	68	W	HW		
221.89	223.42	1.53	1.53	100.00	1.42	93	MS	SW		
223.42	224.94	1.52	1.52	100.00	1.49	98	MS	SW		
224.94	226.47	1.53	1.51	98.69	1.51	99	MS	SW		
226.47	227.99	1.52	1.52	100.00	1.18	78	MS	SW		
227.99	229.51	1.52	1.52	100.00	1.52	100	MS	SW		
229.51	231.04	1.53	1.53	100.00	1.45	95	MS	SW		
231.04	232.56	1.52	1.52	100.00	1.46	96	MS	SW		
232.56	234.09	1.53	1.52	99.35	1.30	85	MS	SW		
234.09	235.61	1.52	1.45	95.39	1.17	77	MS	SW		
235.61	237.13	1.52	1.52	100.00	1.29	85	MS	SW		
237.13	238.66	1.53	1.47	96.08	1.91	125	MS	SW		EOH

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-111

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	N/A		N/A	
2.00	ARG		0.00	
3.00	ARG		0.00	
4.00	ARG		0.40	
5.00	ARG		0.73	
6.00	ARG		0.58	
7.00	ARG		1.02	
8.00	ARG		1.04	
9.00	ARG		1.19	
10.00	ARG		0.77	
11.00	ARG		0.87	
12.00	ARG		0.40	
13.00	ARG		0.15	
14.00	ARG		0.25	
15.00	ARG		0.15	
16.00	ARG		1.09	
17.00	ARG		0.80	
18.00	ARG		0.75	
19.00	ARG		0.16	
20.00	ARG		1.00	
21.00	ARG		0.03	
22.00	ARG		0.00	
23.00	ARG		0.00	
24.00	ARG		3.29	
25.00	ARG		2.58	
26.00	ARG		1.26	
27.00	ARG		0.80	
28.00	ARG		1.46	
29.00	ARG		0.75	
30.00	ARG		0.47	
31.00	ARG		1.51	
32.00	ARG		2.28	
33.00	ARG		0.92	
34.00	ARG		1.05	
35.00	ARG		0.94	
36.00	ARG		1.02	
37.00	ARG		1.20	
38.00	ARG		0.58	
39.00	ARG		0.73	
40.00	ARG		0.00	
41.00	ARG		2.18	
42.00	ARG		0.55	
43.00	ARG		0.92	
44.00	ARG		0.77	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	ARG		0.82	
46.00	ARG		2.11	
47.00	ARG		0.94	
48.00	ARG		2.73	
49.00	ARG		1.05	
50.00	VOL		0.47	
51.00	VOL		2.01	
52.00	VOL		2.52	
53.00	VOL		1.15	
54.00	VOL		0.78	
55.00	VOL		1.51	
56.00	VOL		2.83	
57.00	VOL		2.04	
58.00	VOL		1.51	
59.00	VOL		1.44	
60.00	VOL		0.68	
61.00	VOL		2.08	
62.00	VOL		1.89	
63.00	VOL		0.78	
64.00	ARG		0.72	
65.00	ARG		0.55	
66.00	LST	DOL	0.00	
67.00	LST	DOL	0.15	
68.00	LST	DOL	0.18	
69.00	LST	DOL	3.54	
70.00	LST	DOL	0.30	
71.00	LST	DOL	0.45	
72.00	LST	DOL	2.95	
73.00	LST	DOL	0.57	
74.00	LST	DOL	1.10	
75.00	LST	DOL	2.65	
76.00	LST	DOL	0.97	
77.00	LST	DOL	0.18	
78.00	LST	DOL	1.22	
79.00	LST	DOL	3.62	
80.00	LST	DOL	0.00	
81.00	LST	DOL	1.47	
82.00	LST	DOL	3.36	
83.00	LST	DOL	1.61	
84.00	LST	DOL	0.67	
85.00	LST	DOL	0.78	
86.00	LST	DOL	0.28	
87.00	LST	DOL	0.00	
88.00	LST	DOL	1.79	
89.00	LST	DOL	0.31	
90.00	LST	DOL	0.72	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	LST	DOL	0.03	
92.00	LST	DOL	0.38	
93.00	LST	DOL	0.68	
94.00	LST	DOL	0.00	
95.00	LST	DOL	0.21	
96.00	LST	DOL	1.17	
97.00	LST	OX	1.19	
98.00	LST	MBL	0.13	
99.00	LST	MBL	0.30	
100.00	LST	MBL	1.26	
101.00	LST	MBL	0.40	
102.00	LST	MBL	0.00	
103.00	LST	MBL	0.00	
104.00	LST	MBL	1.22	
105.00	LST	MBL	0.99	
106.00	LST	MBL	1.36	
107.00	LST	MBL	1.36	
108.00	LST	MBL	2.46	
109.00	LST	SLT	0.53	
110.00	LST	MBL	0.31	
111.00	LST	MBL	0.06	
112.00	LST	MBL	0.25	
113.00	LST	MBL	0.77	
114.00	LST	MBL	2.52	
115.00	MBL		0.97	
116.00	MBL		2.16	
117.00	VOL	CHL	50.80	
118.00	VOL	CHL	25.90	
119.00	VOL	CHL	72.00	
120.00	VOL	CHL	50.20	
121.00	VOL	CHL	55.70	
122.00	VOL	CHL	85.60	
123.00	VOL	CHL	88.20	
124.00	VOL	CHL	144.00	
125.00	VOL	CHL	99.40	
126.00	VOL	CHL	121.00	
127.00	VOL	CHL	77.40	
128.00	VOL	CHL	44.00	
129.00	VOL	CHL	29.00	
130.00	VOL	CHL	3.30	
131.00	VOL	CHL	3.25	
132.00	VOL	CHL	1.31	
133.00	VOL	CHL	1.22	
134.00	VOL	CHL	1.56	
135.00	VOL	CHL	2.03	
136.00	VOL	CHL	1.15	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	VOL	CHL	1.57	
138.00	VOL	CHL	1.34	
139.00	VOL	CHL	2.21	
140.00	VOL	CHL	0.87	
141.00	VOL	CHL	11.90	
142.00	VOL	CHL	9.50	
143.00	VOL	CHL	8.24	
144.00	VOL	CHL	5.14	
145.00	VOL	CHL	1.57	
146.00	VOL	CHL	2.70	
147.00	VOL	CHL	1.41	
148.00	VOL	CHL	0.84	
149.00	VOL	CHL	0.68	
150.00	LST	DOL	1.49	
151.00	LST	DOL	0.16	
152.00	LST	DOL	0.62	
153.00	LST	DOL	0.00	
154.00	LST	DOL	0.36	
155.00	LST	DOL	1.41	
156.00	LST	DOL	0.78	
157.00	LST	DOL	1.69	
158.00	LST	DOL	1.14	
159.00	LST	DOL	0.00	
160.00	LST	DOL	2.68	
161.00	LST	DOL	1.09	
162.00	LST	DOL	0.00	
163.00	LST	DOL	0.60	
164.00	LST	DOL	0.67	
165.00	LST	DOL	1.00	
166.00	LST	DOL	1.14	
167.00	LST	DOL	1.66	
168.00	LST	DOL	0.70	
169.00	LST	DOL	1.54	
170.00	LST	DOL	0.65	
171.00	LST	DOL	0.89	
172.00	LST	DOL	1.22	
173.00	LST	DOL	1.64	
174.00	LST	DOL	0.65	
175.00	LST	DOL	1.51	
176.00	LST	DOL	0.85	
177.00	LST	DOL	2.50	
178.00	LST	DOL	0.33	
179.00	LST	DOL	1.20	
180.00	LST	DOL	1.74	
181.00	LST	DOL	0.52	
182.00	LST	DOL	4.38	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00	LST	DOL	1.32	
184.00	LST	DOL	1.59	
185.00	LST	DOL	1.41	
186.00	LST	DOL	2.78	
187.00	LST	DOL	2.16	
188.00	LST	DOL	0.43	
189.00	LST	DOL	2.11	
190.00	LST	DOL	0.58	
191.00	LST	DOL	1.22	
192.00	LST	DOL	0.99	
193.00	LST	DOL	1.12	
194.00	LST	DOL	1.39	
195.00	LST	DOL	1.57	
196.00	LST	DOL	1.24	
197.00	LST	DOL	0.35	
198.00	LST	DOL	1.79	
199.00	LST	DOL	1.29	
200.00	LST	DOL	1.14	
201.00	LST	DOL	0.00	
202.00	LST	DOL	0.06	
203.00	LST	DOL	0.77	
204.00	LST	DOL	0.77	
205.00	LST	DOL	0.16	
206.00	LST	DOL	0.00	
207.00	LST	DOL	1.37	
208.00	LST	DOL	1.52	
209.00	LST	DOL	0.00	
210.00	LST	DOL	1.52	
211.00	OX		0.82	
212.00	OX		0.94	
213.00	OX		1.36	
214.00	OX		1.31	
215.00	OX		2.60	
216.00	OX		1.89	
217.00	OX		1.79	
218.00	OX		2.48	
219.00	OX		2.10	
220.00	LEP		1.69	
221.00	LEP		1.93	
222.00	LEP		1.51	
223.00	LEP		0.60	
224.00	LEP		0.62	
225.00	LEP		1.36	
226.00	LEP		2.41	
227.00	LEP		0.00	
228.00	LEP		0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
229.00	LEP		0.43	
230.00	LEP		1.32	
231.00	LEP		0.30	
232.00	LEP		2.36	
233.00	LEP		1.15	
234.00	LEP		2.75	
235.00	LEP		2.21	
236.00	LST		2.31	
237.00	LST		3.29	
238.00	LST		1.05	EOH

DENSITY LOG

HOLE: Rau-10-111

Depth (m)	Unit	Modifier	Texture	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
				Py %	As %	Other	%							
126.00	VOL	CGL							15.2	6.1	1348.3	909.2	3.07	3.07
148.89	VOL	OX							13.7	6.1	1117.3	709.5	2.82	2.74
166.32	LST	OX							14.6	6.1	1096.5	670.4	2.60	2.57
176.23	DOL	OX							15.5	6.1	1255.5	780.1	2.80	2.64
182.00	LST	DOL							15.5	6.1	1276.2	805.0	2.85	2.71
221.90	LEP	HEM		f					11.3	6.1	999.2	669.8	3.06	3.03
224.19	MX	Py							15.5	6.1	1859.1	1404.4	4.15	4.09
230.48	LEP	MX		s					14.7	6.1	1385.1	953.4	3.26	3.21
236.47	LST	SLT		w					14.6	6.1	1277.6	848.1	3.03	2.97

HOLE: Rau-10-111

Box #	Diameter (cm)	From (m)	To (m)	Unit	Modifier	Recovery	Weight	Density	Comments
50	6.1	209.63	214.90	OX		2.90	48.5	2.62	
51	6.1	214.90	218.85	OX		3.88	65.5	2.65	
52	6.1	218.85	221.89	OX		2.89	48.5	2.63	50% HARDER OXIDW

BOX LOG

HOLE: Rau-10-111

BOX	FROM (m)	TO (m)
1	2.00	11.43
2	11.43	16.90
3	16.90	20.98
4	20.98	25.30
5	25.30	29.18
6	29.18	33.12
7	33.12	39.01
8	39.01	43.59
9	43.59	46.98
10	46.98	51.00
11	51.00	54.51
12	54.51	58.34
13	58.34	62.24
14	62.24	66.54
15	66.54	70.43
16	70.43	74.30
17	74.30	78.35
18	78.35	82.33
19	82.33	86.15
20	86.15	90.26
21	90.26	94.19
22	94.19	98.10
23	98.10	102.12
24	102.12	106.55
25	106.55	110.64
26	110.64	114.82
27	114.82	118.90
28	118.90	122.85
29	122.85	126.80
30	126.80	130.93
31	130.93	134.89
32	134.89	138.85
33	138.85	142.78
34	142.78	146.96
35	146.96	150.83

BOX	FROM (m)	TO (m)
36	150.83	155.00
37	155.00	159.31
38	159.31	163.36
39	163.36	167.37
40	167.37	171.60
41	171.60	176.17
42	176.17	181.04
43	181.04	185.86
44	185.86	190.18
45	190.18	194.33
46	194.33	197.94
47	197.94	202.08
48	202.08	205.87
49	205.87	209.63
50	209.63	214.90
51	214.90	218.85
52	218.85	221.89
53	221.87	225.96
54	225.96	229.70
55	229.70	233.65
56	233.65	237.40
57	237.40	238.66
238.66 -E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
10+238NE	10+350NW	528478	7119422	1398	208.79

ZONE: Oxide

SECTION: 10+350NW

HOLE: **Rau-10-112**

CLAIM:

Contractor: Superior

Drill: 2

Core size: HQ

Casing depth: 3.05 m out

Drilling dates: August 25-30, 2010

Geology logged by: C. Butz

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-70.0	compass	133.50	223	-65.2	Ranger
42.06	231	-67.5	Ranger	163.98	223	-65.5	Ranger
72.54	230	-67.9	Ranger	179.22	223	-65.0	Ranger
103.02	226	-67.2	Ranger	194.46	222	-65.2	Ranger

TARGET: Oxide

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	2.74	2.74	OVB	
2.74	77.80	75.06	ARG	Foliated, with trace Py.
77.80	100.10	22.30	LST	Foliated, with trace Py and Po.
100.10	102.57	2.47	VOL	Intense OX.
102.57	104.47	1.90	LST	Weak OX.
104.47	105.12	0.65	VOL	Intense OX.
105.12	107.79	2.67	LST	VOL interlayers, trace Py.
107.79	109.04	1.25	VOL	LST clasts, trace Py.
109.04	153.61	44.57	VOL	Moderate strong CHL with variable Mg and SER.
153.61	171.60	17.99	LST	Strong DOL, moderate strong OX.
171.60	192.70	21.10	OX	
192.70	196.50	3.80	CLY	Qz rich.
196.50	202.47	5.97	OX	Moderate strong remnant Py.
202.47	203.41	0.94	DOL	Moderate OX and moderate strong SIL
203.41	208.79	5.38	LEP	Variably SER, moderate Py.
208.79	E.O.H			

SAMPLES

Numbers: I077181-I077186, I077211-I077242

Total: 38

Batch: 75,76,77

Date Sent: August 30, September 1, 5 2010

Certificate:

VA10125742, VA10125741, VA10127790

COMMENTS

The hole was ended because it was past targeted oxide horizon.

GEOLOGY LOG

HOLE: Rau-10-112

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	2.74	2.74				OVB			Overburden - No Recovery																		
2.74	77.80	75.06				ARG		FO	Dark to medium grey, fine grained, foliated argillite with variable but present pyrite throughout as blebs and patches and calcite+/- dolomite veinlets and veins. Clasts within the unit vary from 0.5 cm to 5 cm in diameter. Clasts occur along foliation and include pyrite and light-grey (carbon-rich?) clasts. In general, the unit does not fizz with 10% HCl and has soft-medium hardness.										t							
			2.74	25.30	22.56	ARG		FO	Heavily fractured and weathered dark-grey Argillite presumably originally the same as the surrounding interval, as clast-rich texture visible in more consolidated core in the sub-interval. Limonite/oxidation staining on fractures. Small amounts of disseminated pyrite visible. Heavily weathered portions have a greasy, clay-earthy feel and leave dark, and hard to rub off marks on fingers. Fractures occur along foliation and foliation angle consistent throughout. Unit does not fizz with 10% HCl.										t							
									Foliation at 22.25 m (representative of sub-interval).	FO	35																
									Oxidized fracture at 26.18 m (representative of sub interval).	FX	35																
			25.30	77.80	52.50	ARG	MX	FO	Dark-grey, fine grained, foliated non-weathered competent argillite with less fracturing and much less oxidation than previous sub-interval. Pyrite and other (grey, carbon rich?) clasts dominate (15% of core). Calcareous veinlets and veins occur with and oblique to the foliation. Oxidation of clasts is more prevalent at the beginning of sub-interval. Pyrite blebs of up to 4-6 cm are common. Clasts are elongated and matrix supported. Small section from 42.30 m-43.15 m fizzes readily with 10% HCl (lime mud?) while the rest of the sub interval is non-calcareous.										m							
			39.80						Calcareous VN/VT set.	VN	35	280	15														
									Common Foliation take at 37.70 m.	FO	35																
									White-buff-tan vein present at 37.18 m is 2.5 cm thick. The edges of the vein are dolomite, and the centre is calcite (based on acid test).	VN	20	270															
									Sub-unit becomes less carbon rich farther down, and clasts become pyrite dominated.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			50.28	60.00	9.72				FO at 50.28 m (slightly undulating).	FO	20																
			60.00	64.00	4.00				FO at 60.00 m.	FO	25																
			64.00	68.50	4.50				FO at 64.00 m.	FO	20																
			68.50	72.50	4.00				FO at 68.50 m.	FO	30																
			72.50	77.00	4.50				FO at 72.50 m.	FO	25																
			77.00	77.80	0.80				FO at 77.00 m.	FO	25																
									Oxidation on fracture increases slightly down sub interval, but still not prevalent at 64.92 m. Small white flecks and thin bands are hard and don't fizz strongly with 10% HCl present throughout (Silicified dolomite?)																	
			45.20	48.70	3.50	ARG	DOL	FO	Grey-light carbon rich heavily dolomite veined Argillite. Dolomite VT follow foliation in the top of the sub-interval, and become weak stockwork veining lower down in the sub-interval. Only one pyrite bleb is visible, clast-dominated texture present. sBX visible at 46.35m (by dolomite).					f					t								
									Veinlets at 46.00m measured	VN	15																
			74.07	76.00	1.93	ARG	MX		Dark-grey, fine grained Argillite with intense fine grained pyrite mineralization. Pyrite occurs in patches and in blebs, but also disseminated throughout sub-interval. Aside from the intense mineralization, Argillite appears identical to the main unit.											i								
									Pyrite patch at 74.50m photographed																		X
									Foliation at 74.15m measured	FO	10																
77.80	100.10	22.30				LST		BN	Medium-light grey fine-grained calcareous-banded limestone, with trace-weak pyrite and pyrrhotite mineralization. Medium hardness, and fizzes readily with 10% HCl. Pyrite blebs common from 77.80m-83.21m and Pyrrhotite common from 83.21m until 92.30m. Py and Po have the same blebby texture throughout the LST. Both Py and Po occur commonly in the white-calcareous bands as well. At the start of the interval until 83.00m the calcareous bands appear less intense and with random orientation. After 83.00m however, the calcareous bands have more consistent orientations and follow the core foliation.										t					Po	t		
									FO at 84.73m	FO	20																
									FO at 86.30m	FO	20																X
									FO at 87.90m	FO	30																
									FO at 90.00m	FO	25																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	Photo
									At 85.68m there is a buff-tan, 1.5cm thick, partially silicified calcareous vein with significant pyrite and pyrrhotite mineralization, that goes against the foliation in the core.	VN		160															
									Rugose-coral fossil visible at 80.63m, but few other fossils to be seen.																		X
									Oxidation on fracture common farther down interval (especially after 90.00m). Upper contact gradationa over 5-7cm																		
									Lower contact sharp along foliatior	lCN	60																
			93.87	94.17	0.30	LST			Dark-grey, clayish-gritty, earthy, weathered and extremely weak LST (fault gouge?). Unit fizzes readily with 10% HCl. No structure visible. Contacts not measurable.																			
100.10	102.57	2.47				VOL		FO	Dark grey and dark green fine grained, foliated, intensely oxidized volcanic. No clear mineralization present. Small bands between layers of the darker volcanic are oxidized, and follow the foliation angle.							i											
									Foliation at 102 m measured.	FO	45																
									Unit does not fizz with 10% HCl, and has medium hardness.																		
									Upper Contact is along Foliation (100.10 m	uCN	45																
									Lower contact not measurable																		
102.57	104.47	1.90				LST		FO	Dark-light grey, fine grained foliated LST. Unit has "medium hard" hardness, and fizzes readily with 10% HCl. Oxidation is weak and occurs along fractures, which occur along the foliation. Unit has banding texture of intermittent dark-light bands of LST.							w											
									Foliation at 104.00 m (consistent through interval).	FO	35																
104.47	105.12	0.65				VOL	OX	FO	Yellow-light brown, foliated intensely oxidized volcanic. Unit is soft, can be peeled with a fingernail Unit does not fizz with 10% HCl. Core retains its cylindrical shape. Remnant foliation visible.							i											
									Foliation at 105.00 measured	FO	60																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
105.12	107.79	2.67				LST	VOL	FO	Dark-light, intermittent dark/light banded LST with Volcanic fingers and trace visible fine-grained pyrite along the Volcanic fingers. Foliation at 106.00m measured (consistent throughout). Unit has medium strength and fizzes with 10% HCl.	FO	70									t							
									Calcareous vein 0.80cm thick runs through interval, does not appear to be associated with the pyrite.	VN	0																
									Oxidation present on some fractures																		
107.79	109.04	1.25				VOL	LST		Brown-grey, fine grained weathered volcanic with LST clasts and t-w fine grained pyrite mineralization. Hematite visible at 108.75m. Oxidation along fractures predominant at the start of the interval. Unit fizzes variably with 10% HCl. Upper contact along FO, lower contact gradational.	uCN	50					f			t							
109.04	153.61	44.57				VOL		FO	Forrest-green, fine-grained, calcite rich foliated, mec strong magnetic chlorite altered Volcanic. Competent, with only trace oxidation. Trace amounts of pyrite visible. Unit has "medium" hardness. Calcite VN/VT and fingers occur overwhelmingly only with the foliation. Unit is approx. 15% calcareous, and fizzes readily with 10% HCl. Veins up to 12.0 cm thick. Ca VN at 113.55 m, irregular and disjointed (shear indicator?) The final part of this interval (after the subinterval ends at 136.45 m) is less magnetic than before the VOL CGL.							t		CHL	ms	t			Mg	m		
									FO at 110.60 m.	FO	60															
									FO at 117.20 m.	FO	50															
									FO at 130.00 m.	FO	65															
									FO at 144.00 m.	FO	75															
									FO at 150.30 m.	FO	60															

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			130.25	136.45	6.20	VOL	CGL	FO	Very dark-green, fine-grained, foliated, chlorite altered VOL less calcareous (7-10%) than main unit with intermittent layers of Magnetic Pebble conglomerate. Sub-interval is darker than main unit, and only calcite veins fizz with 10% HCl. Sericite alteration of the clasts prevalent. Clasts within the VOL CGL are elongated, and follow the foliation. The magnetic pebble conglomerate is weakly to moderately magnetic, and makes up 60-70% of the interval. Unit has medium hardness, and no mineralization is visible. Upper and lower contacts are gradational and not measurable.								SER	f				Mg	m			
			151.86	153.61	1.75	VOL		FO	Dark-grey to light tan/buff, fine grained, foliated Volcanic with large amounts of calcite within it, that grades down to partially oxidized Volcanic. Unit has moderately strong sericite alteration lower down. Foliation remains consistent throughout.							f		SER	f							
									FO at 152.00 m measured.	FO	80															
									Pyrite veins occur along foliation											t						
									Contacts occur along foliation	uCN	75															
										lCN	80															
153.61	171.60	17.99				LST	DOL	BX	Light-Dark grey, fine grained, brecciated dolomitized Limestone, with sections of OX and PY. Upper portion fizzes more readily with 10% HCl than the lower portion. cBX and sBX present throughout interval, but cBX more prevalent at the upper portion, while sBX is more common lower down. Visible pyrite is present in fair amounts above 160.49m, weak overall. Pyrite blebs and veins appear random and stockwork. Unit is hard. Sections of significant pyrite concentration include 157.35m-158.00m and 160.00m-160.30m. Pyrobitumen is visible at 157.50m. Sections of dark-red orange oxide increase in length and frequency farther down interval. The longer sections include from 163.00m-166.00m. Oxide makes up 15% of the interval. Oxide starts at a deeper brown-red and turns lighter orange farther down. Upper contact is not measureable, and lower contact is broken up and gradational.					s		ms				w							

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
171.60	192.70	21.10				OX			Red, Orange and pale Olive Oxide. Does not fizz with 10% HCl. Competency of core decreases (from solid rock to claylike) down the interval, with the exception of a hard section of 183.50 m-184.00 m. Unit grades from Orange-brown at the start to medium-brown at 175.26 m, which grades into yellow-green at 181.00 m. This fades into a short grey part, from 183.00m- 183.2 5m, which turns into an Olive green/brown unit for the rest of the interval. Quartz rubble visible at 175.90 m, 178.00 m, 182.80 m, 184.00 m, and at 185.0 0m.						i				t							
									Remnant (Fresh) pyrite visible at 175.40m and appears to be disseminated.																		
192.70	196.50	3.80				CLY	GRT		Dark-Grey, highly weathered, non calcareous, soft and gritty, quartz rich clay unit. Quartz pieces are angular and rounded and some are 0.5cm-1.5cm in diameter, but most are sand-size. Quartz grit makes up 30-40% of the interval at the start, but increases to 70-80% at the end of the interval. Competency consistently weak throughout the interval.																		
196.50	202.47	5.97				OX			Light-medium "orange-brown" oxide unit, that increases in competency (from clay-rubble to solid core) farther down. Remnant FG pyrite veins visible throughout in more competent sections. Some hematite staining is visible at the bottom of the interval. Unit is in general very "clayish" and Quartz fragments are visible only a 200.56m. Quarts fragments are both rounded and angular.						i		HEM	t	ms							
202.47	203.41	0.94				DOL	SIL		Med-grey, moderately oxidized, moderately strongly silicified hydrothermal Dolomite, with Pyrite blebs and veins present throughout. Silicification increases down interval. Unit fizzes with variably with 10% HCl. Oxide is 0.20m long and starts at 202.70m. Oxide is brown and gritty. Unit is medium hard. Upper and lower contacts are gradational.						m		SIL	ms	ms							
203.41	208.79	5.38				LEP	SER		Pale green grading to medium grey, foliated LEP. Moderate Py in Qz VN's, disseminated and in layers. Local OX near Py bands and on FX. Local sericite alteraton following FO.											m							

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									Foliation is visible at 204.50m.	FO	70																
			203.41	206.07	2.66	LEP	SER		Pale green-grey sericitized Leopard, with moderate-strong pyrite mineralization. QZ veins occur at the start and end of the interval 10.0 and 30.0cm long respectively. Both QZ VN's (not measurable) have heavy pyrite mineralization. Pyrite is subhedral over the interval, and FG-MG. Oxide occurs along some fracture surfaces, and along some Py veins. Sericite in bands parallel to Py mineralization. Unit Fizzes weakly, at the most and variably less, with 10% HCl. Upper and lower contacts are gradational.							f	ms	SER	f	ms							
			206.07	208.79	2.72	LEP			Pale- medium grey foliated Leopard, with moderate Py mineralization. Some QZ veining visible at 208.00m, 4.0cm across (orientation not measurable). Pyrite is M-F grained. Unit fizzes moderately with 10% HCl, and has a "med" hardness. Pyrite appears to coarsen downwards.											m						
									208.79 m: E.O.H - The hole was ended because the targeted depth was passed.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-112

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
31.39	34.44	3.05	ARG	MX	3.02	99	I077181	75	<0.01	0.43	34	0.33	
34.44	37.49	3.05	ARG	MX	3.02	99	I077182	75	<0.01	0.82	46	0.16	
71.02	74.07	3.05	ARG	MX	2.90	95	I077183	75	<0.01	0.32	29	0.22	
74.07	76.00	1.93	ARG	MX	1.93	100	I077184	75	<0.01	0.53	39	0.14	
76.00	77.80	1.80	ARG	MX	1.80	100	I077185	75	<0.01	0.33	43	0.19	
77.80	80.80	3.00	LST	BN	2.77	92	I077186	75	<0.01	0.11	18	0.06	
148.74	151.79	3.05	VOL		2.71	89	I077211	76	<0.01	0.16	<0.2	0.09	
151.79	154.84	3.05	VOL		2.85	93	I077212	76	0.03	0.21	59	9.26	
154.84	157.89	3.05	LST	DOL	2.75	90	I077213	76	0.01	0.05	84	2.42	
157.89	160.93	3.04	LST	DOL	2.87	94	I077214	76	0.10	0.09	846	45.90	
160.93	163.98	3.05	LST	DOL	1.91	63	I077216	76	0.07	0.17	792	16.70	
163.98	166.00	2.02	LST	DOL	1.40	69	I077217	76	0.15	0.65	2020	77.40	
166.00	168.55	2.55	LST	DOL	2.21	87	I077218	76	0.04	0.05	1110	10.45	
168.55	171.60	3.05	LST	DOL	2.83	93	I077220	76	0.03	0.05	1420	4.44	
171.60	173.13	1.53	OX		0.72	47	I077221	76	0.72	0.13	12600	44.20	
175.26	176.17	0.91	OX		0.91	100	I077222	76	0.55	1.15	12200	471.00	
176.17	177.70	1.53	OX		0.44	29	I077224	76	0.39	0.73	18400	349.00	
177.70	179.22	1.52	OX		0.31	20	I077225	76	0.38	68.80	6840	304.00	
179.22	180.75	1.53	OX		0.32	21	I077226	76	1.02	119.00	9900	2290.00	
180.75	182.27	1.52	OX		0.80	53	I077227	77	0.50	29.30	6620	8150.00	
182.27	183.79	1.52	OX		1.28	84	I077228	77	0.06	0.90	1060	152.00	
183.79	185.32	1.53	OX		0.85	56	I077229	77	0.06	0.30	1900	180.50	
185.32	186.84	1.52	OX		0.73	48	I077231	77	0.04	0.30	1040	34.20	
186.84	188.37	1.53	OX		1.05	69	I077232	77	0.18	0.46	3070	64.40	
188.37	189.89	1.52	OX		1.05	69	I077233	77	0.16	0.26	1900	171.50	
189.89	192.94	3.05	OX		1.36	45	I077234	77	1.30	0.59	3850	445.00	
192.94	195.98	3.04	CLY	GRT	2.11	69	I077235	77	3.11	2.07	90	74.70	
195.98	197.51	1.53	OX		0.96	63	I077236	77	1.34	6.42	5850	6360.00	
197.51	200.56	3.05	OX		2.33	76	I077238	77	0.93	0.79	16700	371.00	
200.56	202.47	1.91	OX		1.55	81	I077239	77	1.89	7.78	22200	877.00	
202.47	203.41	0.94	DOL	SIL	0.68	72	I077240	77	0.10	7.25	1800	66.90	
203.41	206.07	2.66	LEP	SER	2.40	90	I077241	77	0.09	0.63	1220	82.20	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
206.07	208.79	2.72	LEP		2.48	91	I077242	77	0.02	0.13	658	106.50	
-	-	-	-	-	-	-	I077215	76	0.39	6.50	7	1.64	Standard ROS-1
-	-	-	-	-	-	-	I077219	76	<0.01	<0.01	<5	0.11	Blank (HQ)
-	-	-	-	-	-	-	I077223	76	0.74	1.57	14600	528.00	Duplicate
-	-	-	-	-	-	-	I077230	77	<0.01	0.01	14	0.46	Blank (HQ)
-	-	-	-	-	-	-	I077237	77	1.47	0.58	85	5.62	Standard ROS-2

GEOTECHNICAL LOG

HOLE: Rau-10-112

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
0.00	2.74	2.74	0.00	0	0.00	0	-	-		
2.74	3.96	1.22	0.65	53	0.00	0	EW	SW		
3.96	5.49	1.53	0.78	51	0.00	0	EW	SW		
5.49	7.01	1.52	1.26	83	0.00	0	EW	SW		
7.01	8.53	1.52	1.20	79	0.00	0	EW	SW		
8.53	10.06	1.53	1.14	75	0.00	0	EW	SW		
10.06	11.58	1.52	1.45	95	0.00	0	EW	SW		
11.58	13.11	1.53	1.17	76	0.00	0	EW	SW		
13.11	14.63	1.52	1.26	83	0.00	0	EW	SW		
14.63	16.15	1.52	0.92	61	0.00	0	EW	FR		
16.15	17.68	1.53	1.16	76	0.00	0	EW	FR		
17.68	19.20	1.52	0.75	49	0.00	0	EW	FR		
19.20	20.73	1.53	1.00	65	0.00	0	EW	FR		
20.73	22.25	1.52	1.47	97	0.21	14	EW	FR		
22.25	23.77	1.52	1.49	98	0.38	25	EW	FR		
23.77	25.30	1.53	1.44	94	0.00	0	EW	SW		
25.30	26.82	1.52	1.51	99	1.31	86	EW	SW		
26.82	28.35	1.53	1.53	100	1.42	93	W	SW		
28.35	29.87	1.52	1.52	100	1.22	80	MS	SW		
29.87	31.39	1.52	1.52	100	1.52	100	MS	SW		
31.39	32.92	1.53	1.52	99	1.52	99	MS	SW		
32.92	34.44	1.52	1.46	96	1.35	89	MS	SW		
34.44	35.97	1.53	1.53	100	1.24	81	MS	SW		
35.97	37.49	1.52	1.50	99	1.38	91	MS	SW		
37.49	39.01	1.52	1.51	99	1.20	79	MS	SW		
39.01	40.54	1.53	1.48	97	1.47	96	MS	SW		
40.54	42.06	1.52	1.52	100	1.52	100	MS	SW		
42.06	43.59	1.53	1.48	97	1.48	97	MS	SW		
43.59	45.11	1.52	1.51	99	1.40	92	MS	SW		
45.11	46.63	1.52	1.52	100	1.52	100	MS	SW		
46.63	48.16	1.53	1.52	99	1.13	74	MS	FR		
48.16	49.68	1.52	1.38	91	0.40	26	W	SW		
49.68	51.21	1.53	1.45	95	0.95	62	W	SW		
51.21	52.73	1.52	1.41	93	0.57	38	W	SW		
52.73	54.25	1.52	1.30	86	0.00	0	W	SW		
54.25	55.78	1.53	1.13	74	0.00	0	W	SW		
55.78	57.30	1.52	0.79	52	0.00	0	W	SW		
57.30	58.83	1.53	1.35	88	1.45	95	W	SW		
58.83	60.35	1.52	1.49	98	0.48	32	W	SW		
60.35	61.87	1.52	1.31	86	0.14	9	W	SW		
61.87	63.40	1.53	1.53	100	1.00	65	MS	SW		
63.40	64.92	1.52	1.52	100	1.30	86	MS	SW		
64.92	66.45	1.53	1.33	87	0.42	27	W	MW		
66.45	67.97	1.52	1.24	82	0.25	16	W	SW		
67.97	69.49	1.52	1.31	86	0.52	34	W	FR		
69.49	71.02	1.53	1.41	92	0.20	13	MS	FR		
71.02	72.54	1.52	1.33	87	0.57	37	MS	SW		
72.54	74.07	1.53	1.53	100	1.40	92	MS	FR		
74.07	75.59	1.52	1.52	100	0.55	36	MS	SW		
75.59	77.11	1.52	1.52	100	1.07	70	MS	FR		
77.11	78.64	1.53	1.52	99	0.21	14	MS	FR		
78.64	80.16	1.52	1.41	93	1.41	93	MS	FR		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
80.16	81.68	1.52	1.52	100	1.40	92	MS	FR		
81.68	83.21	1.53	1.52	99	1.44	94	MS	FR		
83.21	84.73	1.52	1.52	100	1.21	80	MS	FR		
84.73	86.25	1.52	1.52	100	1.52	100	MS	FR		
86.25	87.78	1.53	1.53	100	0.98	64	MS	FR		
87.78	89.31	1.53	1.45	95	1.48	97	MS	FR		
89.31	90.83	1.52	1.46	96	1.17	77	MS	FR		
90.83	92.35	1.52	1.48	97	0.75	49	MS	FR		
92.35	93.87	1.52	1.45	95	0.72	47	MS	FR		
93.87	95.40	1.53	1.53	100	0.39	25	EW	SW		
95.40	96.93	1.53	1.44	94	0.14	9	W	SW		
96.93	98.45	1.52	1.47	97	0.30	20	W	SW		
98.45	99.97	1.52	1.50	99	0.41	27	W	SW		
99.97	101.50	1.53	1.06	69	0.48	31	VW	HW		
101.50	103.02	1.52	1.20	79	0.46	30	VW	HW		
103.02	104.55	1.53	1.23	80	0.22	14	VW	HW		
104.55	106.07	1.52	1.32	87	0.26	17	VW	HW	7.5YR 5/8	
106.07	107.59	1.52	1.36	89	0.42	28	W	MW		
107.59	109.12	1.53	1.05	69	0.11	7	W	MW		
109.12	110.64	1.52	1.35	89	1.09	72	MS	SW		
110.64	112.17	1.53	1.49	97	0.60	39	MS	SW		
112.17	113.69	1.52	1.50	99	0.72	47	MS	SW		
113.69	115.21	1.52	1.52	100	0.92	61	W	MW		
115.21	116.74	1.53	1.40	92	0.70	46	MS	SW		
116.74	118.26	1.52	1.33	87	0.18	12	MS	SW		
118.26	119.79	1.53	1.46	95	1.10	72	MS	SW		
119.79	121.31	1.52	1.45	95	0.63	41	MS	SW		
121.31	122.83	1.52	1.43	94	0.65	43	MS	SW		
122.83	124.36	1.53	1.40	92	0.94	61	MS	SW		
124.36	125.88	1.52	1.42	93	0.57	38	MS	SW		
125.88	127.40	1.52	1.37	90	0.88	58	MS	SW		
127.40	128.93	1.53	1.46	95	0.34	22	W	SW		
128.93	130.45	1.52	1.40	92	0.22	14	W	SW		
130.45	131.98	1.53	1.43	93	0.33	22	W	SW		
131.98	133.50	1.52	1.52	100	1.12	74	MS	SW		
133.50	135.03	1.53	1.52	99	0.83	54	MS	SW		
135.03	136.55	1.52	1.37	90	0.23	15	W	SW		
136.55	138.07	1.52	1.32	87	0.11	7	W	SW		
138.07	139.60	1.53	1.42	93	0.40	26	W	SW		
139.60	141.12	1.52	1.43	94	0.73	48	W	SW		
141.12	142.65	1.53	1.47	96	0.50	33	W	SW		
142.65	144.17	1.52	1.37	90	0.54	36	W	SW		
144.17	145.69	1.52	1.46	96	0.17	11	W	MW		
145.69	147.22	1.53	1.37	90	0.50	33	W	MW		
147.22	148.74	1.52	1.08	71	0.26	17	W	MW		
148.74	150.27	1.53	1.21	79	0.65	42	MS	SW		
150.27	151.79	1.52	1.50	99	1.13	74	MS	SW		
151.79	153.31	1.52	1.42	93	0.55	36	W	HW		
153.31	154.84	1.53	1.43	93	0.81	53	W	HW		
154.84	156.36	1.52	1.30	86	1.12	74	S	SW		
156.36	157.89	1.53	1.45	95	1.28	84	S	SW		
157.89	159.41	1.52	1.52	100	1.50	99	S	SW		
159.41	160.93	1.52	1.35	89	0.94	62	W	HW		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
160.93	162.46	1.53	1.47	96	1.07	70	MS	HW	7.5YR 2.5/3	
162.46	163.98	1.52	0.44	29	0.00	0	W	HW	10YR 3/4	
163.98	165.51	1.53	1.03	67	0.00	0	VW	EW	7.5YR 2.5/2	
165.51	167.03	1.52	1.08	71	0.58	38	W	HW		
167.03	168.55	1.52	1.45	95	1.17	77	MS	SW		
168.55	170.08	1.53	1.31	86	0.62	41	W	MW		
170.08	171.60	1.52	1.52	100	1.29	85	W	HW		
171.60	173.13	1.53	0.72	47	0.00	0	EW	EW	5YR 3/3	
173.13	174.65	1.52	0.00	0	0.00	0	EW	EW	N/A	
174.65	175.26	0.61	0.00	0	0.00	0	EW	EW	N/A	
175.26	176.17	0.91	0.91	100	0.00	0	EW	EW	5YR 3/3	
176.17	177.70	1.53	0.44	29	0.00	0	EW	EW	5YR 3/3	
177.70	179.22	1.52	0.31	20	0.00	0	EW	EW	5YR 4/4	
179.22	180.75	1.53	0.32	21	0.00	0	EW	EW	5YR 4/4	
180.75	182.27	1.52	0.80	53	0.00	0	EW	EW	7.5YR 4/4	
182.27	183.79	1.52	1.28	84	0.00	0	EW	EW		
183.79	185.32	1.53	0.85	56	0.00	0	EW	EW		
185.32	186.84	1.52	0.73	48	0.00	0	EW	EW		
186.84	188.37	1.53	1.05	69	0.00	0	EW	EW	7.5YR 4/3	
188.37	189.89	1.52	1.05	69	0.00	0	EW	EW	7.5YR 4/3	
189.89	191.41	1.52	0.95	62	0.00	0	EW	EW	7.5YR 4/3	
191.41	192.94	1.53	0.41	27	0.00	0	EW	EW	7.5YR 4/3	
192.94	194.46	1.52	0.96	63	0.00	0	EW	EW	7.5YR 3/1	
194.46	195.98	1.52	1.15	76	0.00	0	EW	EW	7.5YR 3/1	
195.98	197.51	1.53	0.96	63	0.00	0	EW	EW	5YR 5/6	
197.51	199.03	1.52	1.23	81	0.00	0	EW	EW	5YR 5/6	
199.03	200.56	1.53	1.10	72	0.00	0	EW	EW	5YR 5/6	
200.56	202.08	1.52	1.21	80	0.00	0	EW	EW	5YR 5/6	
202.08	203.61	1.53	1.27	83	0.25	16	EW	EW		
203.61	205.13	1.52	1.43	94	0.15	10	W	VW		
205.13	206.68	1.55	1.26	81	0.12	8	W	SW		
206.68	208.18	1.50	1.42	95	0.55	37	MS	FR		
208.18	208.79	0.61	0.42	69	0.37	61	MS	FR		EOH

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-112

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	OVB		N/A	
2.00	OVB		N/A	
3.00	OVB		1.83	
4.00	ARG		0.23	
5.00	ARG		8.06	
6.00	ARG		7.07	
7.00	ARG		5.79	
8.00	ARG		10.06	
9.00	ARG		0.73	
10.00	ARG		7.50	
11.00	ARG		3.22	
12.00	ARG		5.77	
13.00	ARG		3.45	
14.00	ARG		2.31	
15.00	ARG		1.29	
16.00	ARG		5.98	
17.00	ARG		0.42	
18.00	ARG		5.59	
19.00	ARG		1.69	
20.00	ARG		1.17	
21.00	ARG		3.10	
22.00	ARG		4.31	
23.00	ARG		1.27	
24.00	ARG		8.55	
25.00	ARG		0.95	
26.00	ARG		4.41	
27.00	ARG		6.56	
28.00	ARG		8.43	
29.00	ARG		3.49	
30.00	ARG		1.69	
31.00	ARG		1.34	
32.00	ARG		4.33	
33.00	ARG		4.40	
34.00	ARG		1.69	
35.00	ARG		3.29	
36.00	ARG		4.11	
37.00	ARG		2.55	
38.00	ARG		3.94	
39.00	ARG		3.51	
40.00	ARG		0.00	
41.00	ARG		2.41	
42.00	ARG		4.60	
43.00	ARG		2.36	
44.00	ARG		3.64	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	ARG		3.74	
46.00	ARG		4.41	
47.00	ARG		5.59	
48.00	ARG		0.00	
49.00	ARG		1.10	
50.00	ARG		3.05	
51.00	ARG		0.15	
52.00	ARG		1.39	
53.00	ARG		1.96	
54.00	ARG		1.12	
55.00	ARG		1.84	
56.00	ARG		2.46	
57.00	ARG		1.96	
58.00	ARG		5.37	
59.00	ARG		4.43	
60.00	ARG		4.53	
61.00	ARG		1.47	
62.00	ARG		2.11	
63.00	ARG		3.66	
64.00	ARG		1.29	
65.00	ARG		1.81	
66.00	ARG		4.23	
67.00	ARG		2.72	
68.00	ARG		2.16	
69.00	ARG		1.71	
70.00	ARG		1.27	
71.00	ARG		1.83	
72.00	ARG		1.02	
73.00	ARG		1.62	
74.00	ARG		3.37	
75.00	ARG		0.43	
76.00	ARG		0.92	
77.00	ARG		1.73	
78.00	LST		1.62	
79.00	LST		2.18	
80.00	LST		1.76	
81.00	LST		3.93	
82.00	LST		8.09	
83.00	LST		4.48	
84.00	LST		3.07	
85.00	LST		7.42	
86.00	LST		5.42	
87.00	LST		5.05	
88.00	LST		6.87	
89.00	LST		4.08	
90.00	LST		4.92	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	LST		2.30	
92.00	LST		1.51	
93.00	LST		3.36	
94.00	LST		4.80	
95.00	LST		2.35	
96.00	LST		3.36	
97.00	LST		1.02	
98.00	LST		0.92	
99.00	LST		1.04	
100.00	LST		1.22	
101.00	VOL		1.02	
102.00	VOL		1.74	
103.00	LST		1.10	
104.00	LST		7.92	
105.00	LST	VOL	2.13	
106.00	LST	VOL	3.44	
107.00	LST	VOL	2.53	
108.00	VOL	LST	2.06	
109.00	VOL	LST	7.56	
110.00	VOL		6.16	
111.00	VOL		12.60	
112.00	VOL		1.89	
113.00	VOL		14.40	
114.00	VOL		46.20	
115.00	VOL		50.50	
116.00	VOL		15.70	
117.00	VOL		68.00	
118.00	VOL		39.30	
119.00	VOL		56.40	
120.00	VOL		32.60	
121.00	VOL		64.70	
122.00	VOL		52.60	
123.00	VOL		55.20	
124.00	VOL		92.30	
125.00	VOL		25.70	
126.00	VOL		28.40	
127.00	VOL		49.40	
128.00	VOL		55.20	
129.00	VOL		92.50	
130.00	VOL		51.90	
131.00	VOL		11.20	
132.00	VOL		6.82	
133.00	VOL		7.15	
134.00	VOL		4.40	
135.00	VOL		5.37	
136.00	VOL		4.26	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	VOL		4.78	
138.00	VOL		3.83	
139.00	VOL		1.74	
140.00	VOL		5.61	
141.00	VOL		3.88	
142.00	VOL		4.75	
143.00	VOL		4.83	
144.00	VOL		1.73	
145.00	VOL		4.30	
146.00	VOL		2.83	
147.00	VOL		57.40	
148.00	VOL		2.85	
149.00	VOL		2.73	
150.00	VOL		50.40	
151.00	VOL		92.80	
152.00	LST	DOL	3.59	
153.00	LST	DOL	2.70	
154.00	LST	DOL	3.27	
155.00	LST	DOL	5.32	
156.00	LST	DOL	2.41	
157.00	LST	DOL	5.77	
158.00	LST	DOL	6.61	
159.00	LST	DOL	1.22	
160.00	LST	DOL	3.98	
161.00	LST	DOL	4.90	
162.00	LST	DOL	3.84	
163.00	LST	DOL	3.83	
164.00	LST	DOL	2.53	
165.00	LST	DOL	2.35	
166.00	LST	DOL	1.64	
167.00	LST	DOL	6.09	
168.00	LST	DOL	0.78	
169.00	LST	DOL	2.40	
170.00	LST	DOL	3.14	
171.00	LST	DOL	0.73	
172.00	OX		2.70	
173.00	OX		N/A	
174.00	OX		N/A	
175.00	OX		N/A	
176.00	OX		3.20	
177.00	OX		1.66	
178.00	OX		0.50	
179.00	OX		2.15	
180.00	OX		0.70	
181.00	OX		1.86	
182.00	OX		0.95	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00	OX		1.44	
184.00	OX		0.43	
185.00	OX		0.00	
186.00	OX		1.66	
187.00	OX		0.73	
188.00	OX		1.15	
189.00	OX		0.00	
190.00	OX		0.23	
191.00	OX		0.52	
192.00	OX		0.68	
193.00	OX		2.08	
194.00	OX		2.46	
195.00	OX		1.07	
196.00	OX		2.83	
197.00	OX		2.52	
198.00	OX		5.40	
199.00	OX		1.98	
200.00	OX		2.62	
201.00	OX		2.30	
202.00	OX		1.24	
203.00	DOL	SIL	2.26	
204.00	LEP		2.08	
205.00	LEP		1.89	
206.00	LEP		2.35	
207.00	LEP		1.84	
208.00	LEP		0.84	E.O.H.

DENSITY LOG

HOLE: Rau-10-112

Depth (m)	Unit	Modifier	Texture	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
				Py %	As %	Other	%							
26.50	ARG	MX		W					15.1	6.1	1103.8	659.8	2.53	2.49
27.09	ARG	MX		W					15.5	6.1	1192.3	738.2	2.66	2.63
38.10	ARG	MX		F					14.7	6.1	1213.5	801.8	2.85	2.95
52.60	ARG	MX	FO	F					15.1	6.1	1211.8	767.5	2.78	2.73
74.12	ARG	MX	FO	I					15.0	6.1	1346.7	907.6	3.10	3.07
85.10	LST	BN	FO			PO	W		15.1	6.1	1244.0	801.2	2.85	2.81
110.60	VOL		FO						15.0	6.1	1239.2	803.9	2.86	2.85
133.17	VOL	CGL	FO						13.2	6.1	1128.5	746.5	2.96	2.95
155.80	LST	DOL	Sbx						15.3	6.1	1241.8	796.1	2.81	2.79
157.35	LST	DOL		MS					15.2	6.1	1326.5	882.9	3.02	2.99
207.86	LEP	QZ		MS					14.7	6.1	1170.3	779.5	2.75	2.99

HOLE: Rau-10-112

Box #	Diameter (cm)	From (m)	To (m)	Unit	Modifier	Recovery	Weight	Density	Comments
44	6.1	172.15	182.27	OX		2.75	39.5	2.25	
45	6.1	182.27	187.75	OX		3.30	56.0	2.66	
46	6.1	187.75	194.20	OX		3.39	52.5	2.43	
47	6.1	194.20	199.19	OX	CLY	3.63	54.5	2.35	

BOX LOG

HOLE: Rau-10-112

BOX	FROM (m)	TO (m)
1	2.74	7.31
2	7.31	10.98
3	10.98	15.14
4	15.14	20.73
5	20.73	24.40
6	24.40	28.35
7	28.35	32.03
8	32.03	36.06
9	36.06	40.22
10	40.22	44.02
11	44.02	47.93
12	47.93	51.52
13	51.52	55.13
14	55.13	59.24
15	59.24	62.61
16	62.61	66.00
17	66.00	69.05
18	69.05	72.54
19	72.54	76.14
20	76.14	80.16
21	80.16	84.16
22	84.16	88.15
23	88.15	92.30
24	92.30	95.32
25	95.32	99.00
26	99.00	103.02
27	103.02	106.07
28	106.07	111.12
29	111.12	115.04
30	115.04	118.97
31	118.97	123.04
32	123.04	127.17
33	127.17	130.90
34	130.90	134.80
35	134.80	138.76

BOX	FROM (m)	TO (m)
36	138.76	142.87
37	142.87	146.73
38	146.73	151.07
39	151.07	154.94
40	154.94	159.14
41	159.14	163.98
42	163.98	168.35
43	168.35	172.15
44	172.15	182.27
45	182.27	187.75
46	187.75	194.20
47	194.20	199.19
48	199.19	203.61
49	203.61	208.18
50	208.18	208.79
208.79 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
10+204NE	10+250NW	528495	7119369	1368	170.08

ZONE: Oxide

SECTION: 10+250NW

HOLE: **Rau-10-113**

CLAIM:

Contractor: Superior

Drill: 2

Core size: HQ

Casing depth: 1.53 m out

Drilling dates: August 31 - September 2, 2010

Geology logged by: C. Butz, J. Lane

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-58.0	compass	64.62	226	-57.5	Ranger
3.66	228	-57.5	Ranger	79.86	229	-57.5	Ranger
34.14	229	-57.5	Ranger	156.06	231	-56.6	Ranger
49.38	230	-57.5	Ranger	171.30	232	-56.6	Ranger

TARGET: Oxide

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	1.45	1.45	OVB	
1.45	83.16	81.71	LST	Weak DOL, locally sBX and FO.
83.16	89.63	6.47	LST	Moderate strong MBL, foliated.
89.63	113.86	24.23	VOL	Moderate CHL and Mg with local SER.
113.86	118.26	4.40	OX	Intense OX of VOL.
118.26	139.30	21.04	LST	Moderately clay altered.
139.30	146.20	6.90	OX	Strong SID.
146.20	161.18	14.98	LST	Moderate strong HEM and weak OX.
161.18	170.08	8.90	LST	Strong DOL, weak HEM.
170.08	E.O.H.			

SAMPLES

Numbers: I077246-I077280

Total: 35

Batch: 77, 78

Date Sent: September 5, 8 2010

Certificate: VA10127790, VA10130415

COMMENTS

The hole was ended because it was past the target oxide horizon.

GEOLOGY LOG

HOLE: Rau-10-113

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	1.45	1.45							Overburden - no recovery																		
1.45	83.16	81.71				LST	DOL	FOS	Light-Medium gray, fine grained, variably but mostly weakly Dolomitized, Partially sBX'd, variably fossiliferous LST. Fizzes variably with 10% HCl. No sulphide mineralization visible. cBX (weak) visible at the start of the interval from 2.00m- 4.00m. Section of MG Dolomite with black (carbon rich?) infill from 9.50 m - 10.00 m.					w													x
									mBX visible at 8.25m, limestone fragments (2cm in diameter and angular) held within a calcareous vein without measurable orientation.																		
									Small but MG dolomite VT's present throughout interval.																		
									Favocites visible at 18.75 m, 36.20 m.																		
									Halycites visible at 19.20 m, 37.20 m.																		
									Rugose Coral visible at 19.00 m, 36.20 m.																		
									Large calcareous VN/VT set from 31.50 m to 34.0 m, ranges from 0.2-5.0cm thick with oxidized edges.	VT	30		22														
									Large, very coarse grained and botryoidal DOL/CA vein at 29.80m. Some oxidation along the edges.	VN	40																
			4.05	8.00	3.95	LST	DOL	SID	Medium grey and tan to orange/brown trace DOL, SID veined LST with calcareous veinlets. Unit fizzes mod-strongly with 10% HCl. Some cBX visible.					t			s											x
									SID vein at 7.05m measured, orientation is consistent for SID veins in this sub-interval.	VN	20																
									Both Upper and Lower contacts are gradationa																		
			16.30	16.78	0.48	LST	DOL	cBX	Light-grey, FG, heavily cBX, trace DOL LST with oxidized calcareous veinlets. Stylolites visible throughout.					t		w											
									Calcareous oxidized VT set at 16.40m measured (0.2cm thick)	VT	30																
									cBX occurs without common orientation																		
									uCN not measurable, while the lCN is a sharp colou change (from light-dark) between the LST.	lCN	65																
			21.00	24.00	3.00	LST	DOL	sBX	Dark-light grey, sBX'd, heavily Ca/DOL veined LST. Camo texture visible throughout. The Upper part of the sub-interval is more heavily dolomitized, while the lower part is predominantly calcareous which fizzes with 10% HCl. 5cm thick calcite vein visible at 23.77m.					s														
									sBX more prevalent at the bottom of the interval																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									4.0cm thick Calcareous vein at 22.30m measured.	VN	55																
									lCN slightly undulating, but measurable	lCN	55																
			34.80	35.27	0.47	Ca	Vn		White, calcite veins, with dolomite at the edges. Appears to be 2 large veins (Infill sBX?) whose edges are touching, but some limestone between them. They do no not have a common orientation.																		
									Upper contact sharp.	uCN	40																
									Lower contact sharp.	lCN	30																
			35.27	83.16	47.89	LST	DOL	BX	Medium to dark grey, moderately DOL, weakly fossiliferous LST with variable sBX, cBX and MO textures. The more intense dolomitization is associated with the most intense sBX textures.					m														
									Multi stage Qz/Ca +/- DOL +/- BIT veins cut the DOL LST at 50 deg TCA. The vein material also acts as infill of sBX cavities from 44.05 m-50.20 m and 56.93 m-62.12 m.	VN	50																
			45.21	49.84	4.63	LST		sBX	Medium grey slightly gritty speliothem sBX infilling occurs within this interval. As well variably coloured light and medium-dark grey graded bedding with a fining uphole nature occurs at 55 deg to CA.	BD	55																x
			55.05	69.05	14.00				Thin DOL/QZ veinlets cut graded bedding. The veinlets are zones with 1 mm of DOL on the outside edges and 2 mm of QZ in the middle. These veinlets transition into 1-3 cm FG to CG veins filled with Qz-Ca.	VT	55	270														x
										VN	40																
										VN	15																
			63.70	65.25	1.55	LST	FOS		There is an increase in crinoid FOS up to crinoid wackestone composition. The crinoids, which include star crinoids, are up to 0.5 cm in diameter. In this interval the host limestone is only weakly dolomitized.					w														
			69.05	83.16	14.11	LST	FOS		Light to dark grey vFG-FG fairly fossiliferous LST with a strong FO defined by thin strained bands. The upper and lower parts of the interval contain black moderately carbonaceous, calcareous materia infilling between white strongly calcareous patches and bands (coral?). Trace fine grained Py is associated with these darker areas. Trace OX stain occurs on fractures near the lCN.	FO	70					t			t							x

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									The ICN is gradational into moderately to strongly marbleized LST.	ICN								MBL	f								
83.16	89.63	6.47				LST	MBL	FO	The general textures of the LST above continue with a gradational increase in the marbleization. A fair FO occurs at 40 deg to CA.	FO	40							MBL	ms								x
89.63	113.86	24.23				VOL	CHL		Dark green to black weakly to strongly magnetic, variably chlorite altered VOL with a zone of sericite altered pebble conglomerate as well as a zone of variable Ca veining.									CHL	m				Mg	m			
			89.63	93.04	3.41	VOL	CHL		Dark green, strongly chlorite rich VOL with weak calcite patches up to 2 cm in diameter disseminated throughout. The interval is strongly magnetic with vFG disseminated magnetite. Were concentration of SER alteration occurs in bands defining the FO at 60 deg to CA. Weak oxidation occurs on fractures.	FO	60				w		CHL	s				Mg	s			
																		SER	w								
			93.04	99.84	6.80	VOL	CGL		Yellowish greenish grey, moderately sericite altered VOL with a strong concentration of elongate pebbles that have a zones appearance. The interval is weakly clast supported ~65% clasts, 35% dark blue grey black magnetite rich matrix.									SER	m				Mg	ms			x
									A strong FO is defined by common pebble elongation and orientation as well as a common fracture orientation at 75 deg TCA.	FO	75																
			98.80	99.84	1.04	VOL	CGL		Moderate to strong oxidation of magnetite pebble conglomerate associated with a central 1 cm wide vuggy cross cutting structure that cuts at 15 deg TCA and 180 deg to FO.	VN	15	180				ms								Mg	w			x
			99.84	104.44	4.60	VOL		FO	Dark green to black weakly to strongly magnetic VOL with a moderate FO at 60 deg TCA defined by a common fracture orientation. A zone from 102.35-103.55 m contains moderate Ca veinlet flooding at 65-80 deg TCA. The calcite flooded veinlets contain weak to fair medium creamy orange OX alteration - possibly OX mineralization.	FO	60				f							Mg				
										FO	70																
			100.51	101.29	0.78	VOL	OX		Another moderately to strongly oxidized zone occurs from 100.51-101.29 m. It appears to be associated with structures running at 60 deg to CA. Strongly OX sub-hedral cubes of Py also occur along this trend.	FO	70					ms					w					
										VN	60	n/a															

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			104.44	105.77	1.33	LST	MBL		Light grey to white intensely marbleized LST with a very faint FO at 60 degrees TCA The upper contact, sharp over 2 cm is marked by moderate oxidation and occurs at ~65 degrees TCA The lower contact is sharp but slightly swaley at 65 deg TCA.	FO	60							MBL	i								
										uCN	65																
										lCB	65																
			105.77	113.86	8.09	VOL	CHL		Dark green to black moderately rich VOL with moderately strong Ca flooding in 0.5-2 cm bands throughout the core. ~60% VOL, 40% Ca. It appears that the Ca bands were pre-foliation development as they show stepwise shear indicators. Trace OX occurs along fracture faces as bright orange stain.							t		CHL	m				Mg	f			x
									A strong FO is defined by general Ca banding and a common fracture orientation at 50 deg to CA.																		
			111.98	113.86	1.88	VOL			Dark green to black VOL with thin elongate patches of medium bright orange oxide and bright pink-red hematite.							f		HEM	w								
									A moderate FO occurs at 45 deg TCA and is defined by oxidized and hematite altered bands and patches.	FO	45																x
									The lower contact is gradational over 30 cm and is defined by an increase in OX alteration.	lCN																	
113.86	118.26	4.40				OX	VOL		Bright yellow orange intensely oxidized VOL with relict FO at 60 deg TCA. The texture of the oxide is mainly rubbly platy clay that barely holds core shape and crumbles easily. The lower contact is sharp at 50 deg TCA.	lCN	50					i											
118.26	139.30	21.04				LST	CLY		Medium grey limestone with intervals of moderate to intense clay alteration. 60% solid LST, 40% variably clay altered LST. The contacts between the clay alteration and the fresh alteration occur at 50 deg TCA. The base of the LST is non to weakly dolomitized and contains cross cutting Qz/Ca veins at 40-50 deg TCA. Also a weak overprinting cBX texture occurs throughout. The clay altered LST fizzes strongly and varies from gritty clay to rubbly core. The solid LST contains trace fine grained OX mineralization.					t				CLY	m								x
			133.89	134.21	0.32	OX	RBL		A small interval of reddish orange-brown rubbly oxide that is moderately sideritic in composition.								m										

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
139.30	146.20	6.90				OX	SID		Dark reddish brown strongly sideritic, crumbly oxide that interfingers with small zones of clay altered LST and solid sBX LST. Overall 50% sideritic oxide, 35% clay altered LST, 15% solid LST. The contacts between the siderite rich OX and the LST occur at 60 deg to CA.	CN	60						s									
146.20	161.18	14.98				LST	OX		Mixture of fairly to intensely hematite/oxidized dolomitized LST. The unit is brownish-red and reddish-grey in colour and is 60% fairly altered LST and 40% competent hematitic oxide. The LST contains coarse grained DOL veins at 40 deg to CA.	VN	40					w		HEM	ms								x
			153.20	153.35	0.15	LST		tBX	A faint tBX texture is seen within this interval.																	
			156.40	157.01	0.61	QV			A very coarse grained Qz vein with moderately strong OX/HEM overprint. The contacts o the vein are difficult to distinguish due to the intense alteration of the host.	VN	40															
161.18	170.08	8.90				LST	DOL		Medium grey, strongly DOL altered LST with a moderate concentration of MG DOL veins/veinlets cutting at irregular orientations. Weak HEM alteration and trace iron carbonate/oxidation coats fractures in a slightly more rubbly zone within the unit. Large patches (up to 5 cm in diameter) are associated with the Qz rich areas.					s		t		HEM	w								
									170.08 m: E.O.H. The hole was ended because it was past the targeted oxide horizon. The unit did not extend far enough to reach the LEP unit.																	

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-113

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
5.00	7.45	2.45	LST	SID	2.10	86	I077246	77	<0.01	0.08	13	0.69	
96.00	98.80	2.80	VOL	CGL	2.80	100	I077247	77	<0.01	0.07	2	0.27	
98.80	101.29	2.49	VOL	OX	2.01	81	I077248	77	<0.01	0.02	45	0.93	
101.29	104.44	3.15	VOL	CGL	2.60	83	I077249	77	0.01	0.06	14	0.18	
104.44	105.77	1.33	MBL		1.39	105	I077250	77	0.02	0.04	<5	0.07	
105.77	108.85	3.08	VOL		3.09	100	I077251	77	<0.01	0.07	<5	0.07	
108.87	111.98	3.11	VOL		2.97	95	I077253	77	0.01	0.09	<5	0.53	
111.98	113.86	1.88	VOL		1.81	96	I077254	77	<0.01	0.05	7	0.23	
113.86	116.74	2.88	OX	VOL	2.88	100	I077255	77	0.02	0.12	113	2.01	
116.74	118.26	1.52	OX	VOL	1.38	91	I077257	77	0.05	0.25	207	21.50	
118.26	121.31	3.05	LST	CLY	2.84	93	I077259	77	0.02	0.10	49	1.45	
121.31	124.36	3.05	LST	CLY	3.02	99	I077260	77	0.02	0.12	89	0.70	
124.36	127.40	3.04	LST	CLY	2.88	95	I077261	77	0.02	0.10	159	0.96	
127.40	130.45	3.05	LST	CLY	2.71	89	I077262	77	0.07	0.24	306	1.63	
130.45	133.50	3.05	LST	CLY	2.71	89	I077263	78	0.03	0.07	160	1.17	
133.50	136.55	3.05	LST	CLY	2.87	94	I077264	78	0.05	0.61	934	7.22	
136.55	139.30	2.75	LST	CLY	2.21	80	I077265	78	0.03	0.13	729	2.39	
139.30	141.10	1.80	OX		1.52	84	I077266	78	0.62	0.40	10750	393.00	
141.10	142.65	1.55	OX	LST	1.25	81	I077268	78	0.10	0.20	5010	25.00	
142.65	144.17	1.52	LST	CLY	1.37	90	I077269	78	0.07	0.10	1420	9.73	
144.17	146.20	2.03	OX		1.73	85	I077270	78	1.58	0.26	2100	166.00	
146.20	149.20	3.00	LST	OX	2.44	81	I077272	78	<0.01	0.08	663	3.76	
149.20	152.30	3.10	LST	OX	3.10	100	I077273	78	0.02	0.10	432	4.17	
152.30	155.30	3.00	LST	OX	2.94	98	I077274	78	0.04	0.08	1040	14.30	
155.30	158.30	3.00	LST	OX	2.86	95	I077276	78	0.07	1.18	1380	14.60	
158.30	161.18	2.88	LST	OX	2.88	100	I077277	78	0.08	0.56	372	11.95	
161.18	164.18	3.00	LST	DOL	3.00	100	I077278	78	0.05	0.26	100	5.91	
164.18	167.18	3.00	LST	DOL	2.86	95	I077279	78	1.38	16.45	416	64.00	
167.18	170.08	2.90	LST	DOL	2.78	96	I077280	78	0.09	1.36	52	4.59	
-	-	-	-	-	-	-	I077252	77	8.83	22.90	7	1.39	Standard ROS-4
-	-	-	-	-	-	-	I077256	77	<0.01	0.01	6	0.07	Blank (HQ)

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
116.74	118.26	1.52	OX	VOL	1.38	91	I077258	77	0.08	0.13	235	46.40	Duplicate
-	-	-	-	-	-	-	I077267	78	<0.01	0.01	8	0.12	Blank (HQ)
-	-	-	-	-	-	-	I077271	78	8.46	28.50	9	1.34	Standard ROS-4
152.30	155.30	3.00	LST	OX	2.94	98	I077275	78	0.05	0.11	1330	22.20	Duplicate

GEOTECHNICAL LOG

HOLE: Rau-10-113

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
1.45	2.44	0.99	0.99	100	0.12	12	MS	SW		
2.44	3.96	1.52	1.52	100	0.58	38	MS	SW		
3.96	5.49	1.53	1.25	82	0.00	0	MS	MW		
5.49	7.01	1.52	1.50	99	0.74	49	MS	MW		
7.01	8.53	1.52	1.50	99	1.16	76	MS	SW		
8.53	10.06	1.53	1.39	91	0.34	22	MS	SW		
10.06	11.58	1.52	1.48	97	0.96	63	MS	SW		
11.58	13.11	1.53	1.47	96	0.43	28	MS	SW		
13.11	14.63	1.52	1.49	98	1.47	97	MS	SW		
14.63	16.15	1.52	1.44	95	1.20	79	MS	SW		
16.15	17.68	1.53	1.50	98	0.70	46	MS	SW		
17.68	19.20	1.52	1.45	95	0.80	53	MS	SW		
19.20	20.73	1.53	1.53	100	0.56	37	MS	SW		
20.73	22.25	1.52	1.42	93	0.90	59	MS	SW		
22.25	23.77	1.52	1.52	100	0.49	32	MS	SW		
23.77	25.30	1.53	1.53	100	1.19	78	MS	SW		
25.30	26.82	1.52	1.46	96	1.28	84	MS	SW		
26.82	28.35	1.53	1.38	90	0.71	46	MS	SW		
28.35	29.87	1.52	1.46	96	0.93	61	MS	SW		
29.87	31.39	1.52	1.51	99	1.21	80	MS	SW		
31.39	32.92	1.53	1.53	100	0.94	61	MS	SW		
32.92	34.44	1.52	1.50	99	1.13	74	MS	SW		
34.44	35.97	1.53	1.53	100	1.26	82	MS	SW		
35.97	37.49	1.52	1.48	97	0.72	47	MS	SW		
37.49	39.01	1.52	1.52	100	1.26	83	MS	SW		
39.01	40.54	1.53	1.53	100	0.47	31	MS	Fr		
40.54	42.06	1.52	1.52	100	0.61	40	MS	Fr		
42.06	43.59	1.53	1.31	86	0.28	18	MS	Fr		
43.59	45.11	1.52	1.52	100	0.55	36	MS	Fr		
45.11	46.63	1.52	1.52	100	0.86	57	MS	Fr		
46.63	48.16	1.53	1.50	98	0.92	60	MS	Fr		
48.16	49.68	1.52	1.52	100	0.66	43	MS	Fr		
49.68	51.21	1.53	1.41	92	0.19	12	MS	Fr		
51.21	54.25	3.04	1.52	50	0.22	7	MS	Fr		
54.25	55.78	1.53	1.53	100	0.58	38	MS	Fr		
55.78	57.30	1.52	1.45	95	0.66	43	MS	Fr		
57.30	58.83	1.53	1.53	100	0.96	63	MS	Fr		
58.83	60.35	1.52	1.52	100	1.14	75	MS	Fr		
60.35	61.87	1.52	1.52	100	0.79	52	MS	Fr		
61.87	63.40	1.53	1.48	97	0.35	23	MS	Fr		
63.40	64.92	1.52	1.62	107	0.66	43	MS	Fr		
64.92	66.45	1.53	1.53	100	0.37	24	MS	Fr		
66.45	67.97	1.52	1.52	100	0.42	28	MS	Fr		
67.97	69.49	1.52	1.52	100	0.86	57	MS	Fr		
69.49	71.02	1.53	1.49	97	1.21	79	MS	Fr		
71.02	72.54	1.52	1.25	82	0.58	38	MS	Fr		
72.54	74.07	1.53	1.41	92	1.26	82	MS	Fr		
74.07	75.59	1.52	1.52	100	0.80	53	MS	Fr		
75.59	77.11	1.52	1.45	95	1.10	72	MS	Fr		
77.11	78.64	1.53	1.48	97	0.64	42	MS	Fr		
78.64	80.16	1.52	1.52	100	0.53	35	MS	SW		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
80.16	81.64	1.48	1.48	100	1.11	75	MS	SW		
81.64	83.21	1.57	1.50	96	0.76	48	MS	SW		
83.21	84.73	1.52	1.45	95	0.62	41	MS	SW		
84.73	86.26	1.53	1.52	99	0.90	59	MS	SW		
86.26	87.78	1.52	1.30	86	0.44	29	MS	SW		
87.78	89.31	1.53	1.40	92	0.91	59	MS	SW		
89.31	90.83	1.52	1.52	100	1.21	80	MS	SW		
90.83	92.35	1.52	1.40	92	0.33	22	MS	SW		
92.35	93.88	1.53	1.41	92	0.56	37	MS	SW		
93.88	95.40	1.52	1.45	95	0.11	7	MS	SW		
95.40	96.93	1.53	1.43	93	0.54	35	MS	SW		
96.93	98.45	1.52	1.50	99	0.00	0	MS	SW		
98.45	99.97	1.52	1.42	93	0.46	30	MS	SW		
99.97	101.50	1.53	1.53	100	0.00	0	MS	SW		
101.50	103.02	1.52	1.30	86	0.35	23	MS	SW		
103.02	104.55	1.53	1.53	100	0.18	12	MS	SW		
104.55	106.07	1.52	1.48	97	0.71	47	MS	SW		
106.07	107.50	1.43	1.49	104	0.51	36	MS	SW		
107.50	109.12	1.62	1.53	94	0.93	57	MS	SW		
109.12	110.64	1.52	1.42	93	0.75	49	MS	SW		
110.64	112.17	1.53	1.40	92	0.80	52	MS	SW		
112.17	113.69	1.52	1.52	100	0.11	7	MS	SW		
113.69	115.21	1.52	0.98	64	0.00	0	W	HW	10YR4/4	
115.21	116.74	1.53	1.32	86	0.00	0	W	HW	7.5YR5/6	
116.74	118.26	1.52	1.48	97	0.00	0	W	HW	7.5YR5/6	
118.26	119.79	1.53	1.46	95	0.25	16	W	HW		
119.79	121.31	1.52	1.57	103	0.28	18	MS	MW		
121.31	122.83	1.52	1.52	100	0.54	36	MS	MW		
122.83	124.36	1.53	1.53	100	1.00	65	MS	MW		
124.36	127.40	3.04	2.98	98	1.04	34	MS	MW		
127.40	128.93	1.53	1.38	90	0.20	13	W	HW		
128.93	130.45	1.52	1.39	91	0.00	0	W	HW		
130.45	131.98	1.53	1.45	95	0.60	39	MS	MW		
131.98	133.50	1.52	1.52	100	1.23	81	MS	MW		
133.50	135.03	1.53	1.51	99	0.63	41	W	HW	7.5YR4/6	
135.03	136.55	1.52	1.48	97	1.21	80	W	W		
136.55	138.07	1.52	1.41	93	0.27	18	VW	HW	5YR4/4	
138.07	139.60	1.53	1.31	86	0.55	36	W	HW	7.5YR5/6	
139.60	141.22	1.62	1.39	86	0.00	0	EW	EW	5YR3/1	
141.22	142.65	1.43	1.34	94	0.00	0	EW	EW	10YR4/4	
142.65	144.17	1.52	1.52	100	0.40	26	EW	EW	10YR4/4	
144.17	145.69	1.52	1.15	76	0.27	18	EW	EW	5YR5/6	
145.69	147.20	1.51	1.32	87	0.16	11	EW	EW	10R3/4	
147.20	148.74	1.54	1.50	97	1.06	69	MS	MW		
148.74	150.27	1.53	1.53	100	1.28	84	MS	MW		
150.27	151.79	1.52	1.52	100	1.45	95	MS	MW		
151.79	153.31	1.52	1.42	93	1.22	80	S	MW		
153.31	154.84	1.53	1.53	100	1.33	87	S	MW		
154.84	156.36	1.52	1.47	97	1.28	84	S	MW		
156.36	157.89	1.53	1.45	95	0.85	56	S	MW	2.5YR4/3	
157.89	159.41	1.52	1.47	97	1.15	76	MS	MW	10R4/4	
159.41	160.93	1.52	1.52	100	1.32	87	S	MW		
160.93	162.46	1.53	1.52	99	1.05	69	S	SW		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
162.46	163.98	1.52	1.52	100	1.17	77	S	SW		
163.98	165.51	1.53	1.42	93	0.47	31	S	SW		
165.51	167.03	1.52	1.45	95	0.57	37	MS	SW		
167.03	168.55	1.52	1.49	98	1.14	75	MS	SW		
168.55	170.08	1.53	1.53	100	1.23	80	MS	FR		
170.08	E.O.H.									

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-113

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	N/A		N/A	
2.00	LST		0.00	
3.00	LST		2.20	
4.00	LST		0.87	
5.00	LST		0.99	
6.00	LST		0.58	
7.00	LST		0.78	
8.00	LST		1.00	
9.00	LST		1.10	
10.00	LST		0.99	
11.00	LST		0.84	
12.00	LST		0.42	
13.00	LST		2.06	
14.00	LST		2.13	
15.00	LST		0.00	
16.00	LST		0.08	
17.00	LST		0.00	
18.00	LST		5.54	
19.00	LST		0.00	
20.00	LST		0.00	
21.00	LST		1.10	
22.00	LST		0.15	
23.00	LST		0.28	
24.00	LST		2.68	
25.00	LST		3.46	
26.00	LST		0.15	
27.00	LST		0.00	
28.00	LST		1.64	
29.00	LST		0.36	
30.00	LST		2.38	
31.00	LST		1.34	
32.00	LST		0.63	
33.00	LST		0.30	
34.00	LST		2.41	
35.00	LST		2.85	
36.00	LST		1.31	
37.00	LST		0.80	
38.00	LST		0.72	
39.00	LST		1.99	
40.00	LST		6.28	
41.00	LST		0.00	
42.00	LST		5.19	
43.00	LST		5.10	
44.00	LST		3.57	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	LST		2.82	
46.00	LST		6.00	
47.00	LST		3.54	
48.00	LST		3.30	
49.00	LST		6.53	
50.00	LST		11.60	
51.00	LST		2.65	
52.00	LST		2.99	
53.00	LST		0.00	
54.00	LST		0.13	
55.00	LST		1.46	
56.00	LST		5.04	
57.00	LST		2.60	
58.00	LST		1.46	
59.00	LST		0.00	
60.00	LST		3.59	
61.00	LST		4.18	
62.00	LST		4.60	
63.00	LST		0.40	
64.00	LST		1.51	
65.00	LST		0.67	
66.00	LST		0.95	
67.00	LST		1.14	
68.00	LST		2.45	
69.00	LST		1.99	
70.00	LST		1.24	
71.00	LST		0.00	
72.00	LST		2.41	
73.00	LST		2.31	
74.00	LST		2.11	
75.00	LST		2.38	
76.00	LST		1.42	
77.00	LST		0.97	
78.00	LST		1.34	
79.00	LST		2.77	
80.00	LST		2.23	
81.00	LST		0.50	
82.00	LST		3.81	
83.00	LST		2.11	
84.00	LST	MBL	2.28	
85.00	LST	MBL	2.41	
86.00	LST	MBL	1.62	
87.00	LST	MBL	1.34	
88.00	LST	MBL	2.62	
89.00	LST	MBL	2.06	
90.00	VOL	CHL	65.60	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	VOL	CHL	594.00	
92.00	VOL	CHL	390.00	
93.00	VOL	CHL	737.00	
94.00	VOL	CHL	273.00	
95.00	VOL	CHL	199.00	
96.00	VOL	CHL	49.00	
97.00	VOL	CHL	178.00	
98.00	VOL	CHL	136.00	
99.00	VOL	CHL	5.94	
100.00	VOL	CHL	6.95	
101.00	VOL	CHL	2.16	
102.00	VOL	CHL	3.05	
103.00	VOL	CHL	9.24	
104.00	VOL	CHL	540.00	
105.00	VOL	CHL	0.00	
106.00	VOL	CHL	24.40	
107.00	VOL	CHL	49.40	
108.00	VOL	CHL	68.90	
109.00	VOL	CHL	42.20	
110.00	VOL	CHL	48.20	
111.00	VOL	CHL	27.90	
112.00	VOL	CHL	190.00	
113.00	VOL	CHL	213.00	
114.00	OX		1.26	
115.00	OX		5.59	
116.00	OX		4.56	
117.00	OX		5.30	
118.00	OX		7.19	
119.00	LST		2.97	
120.00	LST		0.15	
121.00	LST		0.00	
122.00	LST		1.62	
123.00	LST		2.35	
124.00	LST		1.47	
125.00	LST		3.59	
126.00	LST		2.95	
127.00	LST		1.04	
128.00	LST		1.62	
129.00	LST		1.61	
130.00	LST		1.68	
131.00	LST		3.15	
132.00	LST		2.11	
133.00	LST		0.00	
134.00	LST		2.10	
135.00	LST		0.00	
136.00	LST		4.90	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	LST		1.86	
138.00	LST		2.60	
139.00	LST		4.62	
140.00	OX		2.73	
141.00	OX		3.59	
142.00	OX		2.35	
143.00	OX		3.76	
144.00	OX		4.38	
145.00	OX		3.49	
146.00	OX		2.45	
147.00	LST		1.24	
148.00	LST		2.60	
149.00	LST		3.59	
150.00	LST		0.17	
151.00	LST		2.06	
152.00	LST		2.00	
153.00	LST		0.00	
154.00	LST		0.00	
155.00	LST		1.32	
156.00	LST		0.13	
157.00	LST		4.00	
158.00	LST		1.68	
159.00	LST		4.33	
160.00	LST		0.00	
161.00	LST		2.38	
162.00	LST	DOL	1.69	
163.00	LST	DOL	0.00	
164.00	LST	DOL	3.00	
165.00	LST	DOL	0.00	
166.00	LST	DOL	0.00	
167.00	LST	DOL	4.18	
168.00	LST	DOL	2.87	
169.00	LST	DOL	3.15	
170.00	LST	DOL	2.16	

DENSITY LOG

HOLE: Rau-10-113

Depth (m)	Unit	Modifier	Texture	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
				Py %	As %	Other	%							
6.22	LST	DOL						Slight BIT fragments	14.7	6.1	1177.3	752.2	2.77	2.77
16.35	LST	DOL	cBX						14.8	6.1	1192.7	768.9	2.79	2.81
21.21	LST	DOL	MO						14.3	6.1	1153.2	740.8	2.79	2.80
77.23	LST	MBL							14.1	6.1	1119.5	703.3	2.75	2.69
86.65	LST	MBL							14.9	6.1	1211.3	781.5	2.81	2.82
108.55	VOL							Calcite flooded	14.9	6.1	1205.2	769.1	2.80	2.76
123.10	DOL	CR						Trace oxidation	15.1	6.1	1213.6	774.4	2.78	2.76
139.78	OX							Dark red crumbly oxide	14.8	6.1	878.9	-	2.05	-
148.10	DOL	OX						Moderate oxidation	14.7	6.1	1183.2	754.2	2.78	2.76

BOX LOG

HOLE: Rau-10-113

BOX	FROM (m)	TO (m)
1	1.45	4.87
2	4.87	8.75
3	8.75	12.31
4	12.31	16.30
5	16.30	19.87
6	19.87	23.68
7	23.68	27.35
8	27.35	31.26
9	31.26	35.00
10	35.00	38.24
11	38.24	42.06
12	42.06	45.86
13	45.86	49.68
14	49.68	53.38
15	53.38	57.00
16	57.00	60.99
17	60.99	64.92
18	64.92	68.80
19	68.80	72.66
20	72.66	76.86
21	76.86	80.65
22	80.65	84.73
23	84.73	88.80
24	88.80	92.71
25	92.71	96.93
26	96.93	101.05
27	101.05	105.03
28	105.03	109.12
29	109.12	112.98
30	112.98	117.09
31	117.09	120.87
32	120.87	124.59
33	124.59	128.55
34	128.55	132.70
35	132.70	136.55

BOX	FROM (m)	TO (m)
36	136.55	140.98
37	140.98	145.31
38	145.31	149.31
39	149.33	153.50
40	153.50	157.75
41	157.75	161.33
42	161.33	165.43
43	165.43	169.04
44	169.04	170.08
170.08 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
10+149NE	10+375NW	528364	7119421	1428	188.37

ZONE: Oxide

SECTION: 10+375NW

HOLE: **Rau-10-114**

CLAIM:

Contractor: Superior

Drill: 2

Core size: HQ

Casing depth: 4.57 m out

Drilling dates: September 3-6, 2010

Geology logged by: J. Lane

TARGET: Oxide

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-60.0	compass	112.17	230	-55.7	Ranger
20.73	229	-57.3	Ranger	142.65	230	-56.5	Ranger
51.21	231	-56.7	Ranger	157.89	229	-56.5	Ranger
81.69	230	-56.0	Ranger	173.13	230	-56.2	Ranger

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	2.44	2.44	OVB	
2.44	66.45	64.01	LST	Moderate MBL, cBX.
66.45	73.85	7.40	VOL	Strong OX and SER.
73.85	114.05	40.20	LST	Moderate MBL, foliated.
114.05	122.13	8.08	MBL	
122.13	134.35	12.22	OX	
134.35	138.07	3.72	LST	Weak OX and SID.
138.07	140.87	2.80	OX	
140.87	146.65	5.78	LST	Moderate strong OX.
146.65	151.79	5.14	OX	
151.79	173.13	21.34	LST	Moderate OX.
173.13	177.20	4.07	OX	
177.20	188.37	11.17	LST	Strong OX.
188.37	E.O.H.			

SAMPLES

Numbers: I077317-I077323, I077354-I077365, I077384-I077404

Total: 40

Batch: 79, 80, 81

Date Sent: September 12, 15, 16 2010

Certificate: VA10132859, VA10136192, VA10135269

COMMENTS

The hole was ended because it was past the target oxide zone.

GEOLOGY LOG

HOLE: Rau-10-114

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	2.44	2.44				OVB			Overburden - no recovery																		
2.44	66.45	64.01				LST	MBL	cBX	Medium to light grey, FG, moderately marbleized LST with a moderate mottled texture. The main textures recognisable within the unit are thin stylolitic, pressure solution and cBX medium to dark grey lines oriented at 70-80 deg to CA. The unit is weakly rubbly in zones up to 30 cm zones with ground gravel sized fragments up to 3 cm in diameter.	FO	75							MBL	m								
			43.20	45.98	2.78	LST			Begin to see slightly reddish greyish brown calcareous swaley interbeds oriented at 85 deg to CA.	FO	85																
			45.98	54.85	8.87	LST	FOS	cBX	Medium to light grey, fairly marbleized, moderately fossiliferous LST with a very faint crackle orientation at 60 deg to CA. In general the fossils appear as fuzzy white specks throughout but towards the lower contact they clearly become crinoid stem fragments.	FO	60							MBL	f								
			54.85	64.05	9.20	LST	FOS		Medium to dark grey, weakly to moderately fossiliferous LST with up to 25% slightly reddish greyish brown gritty calcareous interlayers. The interlayer banding defines the main structural features in the core at 65 deg to CA. Zones that contain more intense gritty banding tent to be more fissile and rubbly. Fossils in this part of the unit occur in more intensely packed zones and include crinoid stem fragments and brachiopod shell fragments.	FO	65															
			64.05	66.45	2.40	LST	MBL		The intensity of the soft gritty calcareous interlayers has increased to 60 % of the interval. It has become a darker brown colour (possible SID component). LST is now intensely marbleized and has relatively poor recovery.									MBL	i								
66.45	73.85	7.40				VOL	OX		Orangey brownish yellow, moderately to intensely oxidized extremely fragile and fissile volcaniclastic with an interval of non-sericite altered soft VOL occurs within.						s											
			66.45	67.49	1.04	VOL	OX		Orangey yellow intensely oxidized, intensely sericite altered, clay rich fissile VOL, with a faint FO at 50 deg TCA.	FO	50				i		SER	i								
									The upper contact is sharp but occurs at a marker block. The lower contact is gradational over 15 cm, becoming less siderite rich.	CN																	

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			67.49	69.53	2.04	VOL			Dark slightly greenish grey, FG, non-sericite altered VOL with a strongly developed FO. Zones of strong clay alteration occur, although in general the unit is solid to slightly fractured.	FO	60															
			69.53	73.85	4.32	VOL	SER		Medium yellowish-orange-brown, intensely sericite altered, intensely oxidized VOL with a strong preserved FOO. The core holds the cylindrical shape, but is very fragile as it crumbles quite easily.																	
									Both the upper and lower contacts are gradationa over ~10 cm.	CN																
73.85	114.05	40.20				LST	MBL	FO	Medium to light grey, FG-MG weakly to moderately MBL altered LST with a strong FO. The unit is weakly to moderately fractured and rubbly with weak bright orange-brown clay oxide coating many of the fracture faces. Rubbly zones occur up to 30 cm in length where the LST has been ground into 1-3 cm sized subrounded fragments.							w		MBL	m									
									The FO is strong, defined by a common fracture orientation and a strong strain fabric within.	FO	85															
114.05	122.13	8.08				MBL		FO	White to very light grey MBL with rare very faint grey layers defining a weak foliation. The unit is fairly fractured with many of those fractures having a yellow-orange-brown oxide stain on them.	FO	85					w										
			119.79	122.13	2.34	MBL			White marble with extremely sharp contacts with medium brown slightly gritty clay. The brown clay is non-calcareous except where small fragments of MBL occur within. Contacts between the MBL and brown clay are variable but the most common orientation is 35 deg TCA, while less commonly they occur at 80 deg TCA. All contacts within this unit are knife-edge sharp.	CN	35															x
										CN	80																
									The lower contact with the main oxide unit is extremely sharp at 70 deg TCA..	ICN	70															
122.13	134.35	12.22				OX	CLY		Dark reddish brown clay-rich, non calcareous oxide with trace fine grained gritty quartz fragments within. The oxide holds its core shape well, but starts to split open and crumble as it dries. Overall recovery is very good. Many density samples have been taken within this unit.																	
									The upper contact is sharp at 70 deg TCA	uCN	70															

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other Type	Other Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Other Type	Other Intensity	Other Type	Other Intensity	
									The lower contact is extremely sharp at 45 deg TCA.	ICN	40																
134.35	138.07	3.72				LST			Light grey altered to a medium taupe-grey-brown LST with a very faint cBX textures and oxidized (siderite?) cutting at 35 deg TCA.	VN	35					w	w										
138.07	140.87	2.80				OX			Dark reddish brown slightly gritty clay rich oxide. The core holds its shape until is dries and starts to break apart. The oxide is slightly more rubbly than the interval above. Recovery is quite good.																		
140.87	146.65	5.78				LST	OX		Pinkish-reddish grey, moderately to strongly oxidized limestone with 25% reddish-orange-brown oxide rubble. Very few textures remain visible in the LST, but a fair concentration of red-brown oxidized sulphides are present. Both upper and lower contacts are gradational.							ms											
146.65	151.79	5.14				OX	GRT		Dark orange-red-brown soft, crumbly gritty rubbly oxide that holds core shape originally, but crumbles easily during the drying process. The oxide is non-calcareous except where associated with a few rubbly blocks of limestone within. Total limestone is less than 5%.																		
151.79	173.13	21.34				LST	OX		Medium brownish grey, FG-MG moderately oxidized LST with intervals of calcareous oxide and a weak crackle veinlet texture. Overall ~ 25% oxide, 75% LST. The dominant crackle orientation is at 50 deg TCA.	FO	50					m											
									Coarse grained moderately oxidized dolomite sulphide veins 1-2 cm thick cut at 30 deg to CA. The veins are strongly oxidized and have a pitted texture.	VN	30		0.5													
173.13	177.20	4.07				OX	RBL		Dark reddish brown rubbly gritty clay oxide that holds its core shape originally, but crumbles easily when it dries. The upper contact is marked by a marker block while the lower contact is much more gradational.																		
			179.85	180.60	0.75	DOL			Poorly recovered zones of coarse grained, euhedral DOL crystals up to 1.5 cm in diameter. No visible sulphides, weak orange brown oxide clay and rubble within. Weak to fair red-brown oxidized sulphides.							w											

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
177.20	188.37	11.17				LST	OX		Medium brownish stained (oxidized) LST with 30% medium to dark red-brown rubbly oxide. Thin <1 mm crackle fractures occur - commonly at 30 deg TCA.							s											
									188.37 m: E.O.H. - the hole was ended because it was past the main oxide zone.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-114

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
63.40	66.45	3.05	LST	MBL	1.87	61	I077317	79	0.01	0.03	16	0.33	
66.45	67.49	1.04	VOL	OX	0.90	87	I077318	79	<0.01	0.32	30	0.60	
67.49	70.53	3.04	VOL		2.79	92	I077319	79	<0.01	0.02	8	0.23	
70.53	72.54	2.01	VOL	OX	1.99	99	I077320	79	0.01	0.12	6	1.05	
72.54	73.85	1.31	VOL	OX	1.31	100	I077321	79	0.01	0.11	15	0.71	
73.85	76.50	2.65	LST		1.99	75	I077322	79	0.01	0.03	15	0.04	
-	-	-	-	-	-	-	I077323	79	0.38	6.83	0	1.29	Standard ROS-1
116.74	119.79	3.05	MBL		2.30	75	I077354	80	<0.01	0.03	32	0.19	Change in sequence
119.79	122.13	2.34	MBL	CLY	1.92	82	I077355	80	0.01	0.33	205	4.82	
122.13	124.35	2.22	OX		1.52	68	I077356	80	10.35	4.63	7650	883.00	
124.35	127.41	3.06	OX		2.90	95	I077357	80	4.88	10.30	33700	640.00	
127.41	130.45	3.04	OX		2.83	93	I077358	80	5.25	7.30	28200	988.00	
-	-	-	-	-	-	-	I077359	80	0.01	0.02	126	1.13	Blank (HQ)
130.45	131.98	1.53	OX		1.48	97	I077360	80	3.41	8.14	18050	716.00	
131.98	134.35	2.37	OX		2.33	98	I077361	80	0.66	9.75	11050	402.00	
134.35	136.00	1.65	LST		1.48	90	I077362	80	0.12	2.29	882	8.90	
136.00	138.07	2.07	LST		1.54	74	I077363	80	0.07	0.97	529	3.21	
-	-	-	-	-	-	-	I077364	80	8.62	22.80	12	1.03	
138.07	140.87	2.80	OX		2.48	89	I077365	80	0.27	3.25	13150	164.50	
140.87	142.65	1.78	-	-	-	-	-	-	-	-	-	-	Interval too small to sample
142.65	145.69	3.04	DOL	OX	2.32	76	I077384	81	0.07	3.52	3820	68.70	Change in sequence
145.69	146.65	0.96	OX		0.96	100	I077385	81	0.08	3.75	10850	32.10	
146.65	148.74	2.09	OX		2.09	100	I077386	81	0.31	64.80	14550	1385.00	
148.74	151.79	3.05	OX		2.18	71	I077387	81	0.16	26.80	16800	596.00	
-	-	-	-	-	-	-	I077388	81	<0.01	0.05	32	1.49	Blank (HQ)
151.79	154.84	3.05	DOL	OX	1.89	62	I077389	81	0.03	2.68	1600	14.05	
154.84	157.89	3.05	DOL	OX	2.89	95	I077390	81	0.02	0.22	694	4.22	
157.89	160.93	3.04	DOL	OX	2.32	76	I077391	81	0.03	0.44	1400	3.16	
160.93	163.98	3.05	DOL	OX	2.77	91	I077392	81	0.05	0.67	3760	27.80	
160.93	163.98	3.05	DOL	OX	2.77	91	I077393	81	0.05	0.43	2000	16.45	Duplicate
163.98	165.51	1.53	DOL	OX	1.09	71	I077394	81	0.05	0.78	1250	2.81	
165.51	167.03	1.52	DOL	OX	0.57	37	I077395	81	0.06	2.10	4340	32.50	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
167.03	170.08	3.05	OX		2.91	95	I077396	81	0.03	2.60	3870	5.90	
170.08	173.13	3.05	DOL	OX	2.64	87	I077397	81	0.02	1.00	1800	1.91	
173.13	174.65	1.52	OX		1.27	84	I077398	81	0.17	11.40	20200	97.60	
174.65	177.20	2.55	OX		1.85	73	I077399	81	0.25	13.50	16400	154.50	
177.20	179.22	2.02	DOL	OX	1.95	97	I077400	81	0.03	0.77	1710	3.02	
179.22	182.29	3.07	DOL	OX	2.45	80	I077401	81	0.09	5.51	4310	11.85	
-	-	-	-	-	-	-	I077402	81	0.39	7.45	5	1.31	Standard ROS-1
182.27	185.32	3.05	DOL	OX	2.92	96	I077403	81	0.02	2.38	2300	30.10	
185.32	188.37	3.05	DOL	OX	2.96	97	I077404	81	0.03	0.43	599	15.35	

GEOTECHNICAL LOG

HOLE: Rau-10-114

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
0.00	2.44	2.44	0.00	0	0	0				Overburden
2.44	3.96	1.52	0.05	3	0.00	0				
3.96	5.49	1.53	0.78	51	0.00	0				
5.49	7.01	1.52	1.48	97	0.88	58	ms	fr		
7.01	8.53	1.52	1.35	89	0.83	55	ms	fr		
8.53	10.06	1.53	1.42	93	0.43	28	ms	fr		
10.06	11.58	1.52	1.34	88	0.41	27	ms	fr		
11.58	13.11	1.53	1.47	96	1.00	65	ms	fr		
13.11	14.63	1.52	1.49	98	0.96	63	ms	fr		
14.63	16.15	1.52	1.38	91	0.22	14	ms	fr		
16.15	17.68	1.53	1.14	75	0.39	25	ms	fr		
17.68	19.20	1.52	1.34	88	0.79	52	ms	fr		
19.20	20.73	1.53	1.49	97	1.16	76	ms	fr		
20.73	22.25	1.52	1.49	98	0.58	38	ms	fr		
22.25	23.77	1.52	1.41	93	1.38	91	ms	sw		
23.77	25.30	1.53	1.33	87	1.53	100	ms	sw		
25.30	26.82	1.52	1.34	88	0.35	23	ms	sw		
26.82	28.35	1.53	1.48	97	0.39	25	w	sw		
28.35	29.87	1.52	1.51	99	0.00	0	w	mw		
29.87	31.09	1.22	1.22	100	0.29	24	w	sw		
31.09	32.92	1.83	1.42	78	0.10	5	w	sw		
32.92	34.44	1.52	1.22	80	0.00	0	w	ms		
34.44	35.97	1.53	1.05	69	0.00	0	w	ms		
35.97	37.49	1.52	1.32	87	0.55	36	w	ms		
37.49	39.01	1.52	1.46	96	0.11	7	w	ms		
39.01	40.54	1.53	1.45	95	0.72	47	w	ms		
40.54	42.06	1.52	0.46	30	0.81	53	w	ms		
42.06	43.59	1.53	1.38	90	0.32	21	w	ms		
43.59	45.11	1.52	1.46	96	0.40	26	w	ms		
45.11	46.63	1.52	1.43	94	0.83	55	w	ms		
46.63	48.16	1.53	1.45	95	1.07	70	ms	sw		
48.16	49.68	1.52	1.41	93	0.31	20	w	ms		
49.68	51.21	1.53	1.40	92	0.44	29	w	ms		
51.21	52.73	1.52	1.48	97	0.13	9	w	mw		
52.73	54.25	1.52	1.36	89	1.03	68	ms	fr		
54.25	55.78	1.53	1.40	92	0.24	16	w	sw		
55.78	57.30	1.52	1.41	93	0.00	0	w	mw		
57.30	58.83	1.53	1.50	98	0.00	0	w	hw		
58.83	60.35	1.52	1.47	97	0.00	0	w	hw		
60.35	61.87	1.52	0.75	49	0.35	23	w	hw		
61.87	63.40	1.53	1.30	85	0.00	0	w	hw		
63.40	64.92	1.52	1.14	75	0.00	0	w	hw		
64.92	66.45	1.53	0.74	48	0.00	0	w	hw		
66.45	67.97	1.52	1.35	89	0.00	0	w	hw	10YR7/6	
67.97	69.49	1.52	1.26	83	0.00	0	w	hw		
69.49	71.02	1.53	1.53	100	0.00	0	w	hw	10YR6/6	
71.02	72.54	1.52	1.52	100	0.00	0	w	hw	10YR7/6	
72.54	74.07	1.53	1.49	97	0.00	0	w	mw	7.5YR3/4	
74.07	75.59	1.52	1.47	97	0.00	0	w	hw		
75.59	77.11	1.52	1.28	84	0.00	0	w	hw		
77.11	78.64	1.53	1.43	93	0.17	11	w	hw		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
78.64	80.16	1.52	1.33	88	0.13	9	w	hw		
80.16	81.69	1.53	1.43	93	0.23	15	w	hw		
81.69	83.21	1.52	1.34	88	0.18	12	w	hw		
83.21	84.73	1.52	1.04	68	0.00	0	w	hw		
84.73	86.26	1.53	1.12	73	0.16	10	w	hw		
86.26	87.78	1.52	1.52	100	0.25	16	w	hw		
87.78	89.31	1.53	1.20	78	0.23	15	w	hw		
89.31	90.83	1.52	1.46	96	0.22	14	w	hw		
90.83	92.35	1.52	0.94	62	0.43	28	w	hw		
92.35	93.88	1.53	0.64	42	0.11	7	w	hw		
93.88	95.40	1.52	0.89	59	0.00	0	w	hw		
95.40	96.93	1.53	0.82	54	0.44	29	w	mw		
96.93	98.45	1.52	1.36	89	0.42	28	w	mw		
98.45	99.97	1.52	1.19	78	0.18	12	w	mw		
99.97	101.50	1.53	0.16	10	0.00	0	ms	sw		
101.50	103.02	1.52	1.01	66	0.00	0	ms	sw		
103.02	104.55	1.53	0.60	39	0.00	0	ms	sw		
104.55	106.07	1.52	0.90	59	0.00	0	ms	sw		
106.07	107.59	1.52	1.39	91	0.11	7	ms	sw		
107.59	109.11	1.52	1.24	82	0.00	0	ms	sw		
109.11	110.64	1.53	1.21	79	0.00	0	ms	sw		
110.64	112.17	1.53	1.22	80	0.25	16	ms	sw		
112.17	113.69	1.52	1.27	84	0.14	9	ms	sw		
113.69	115.21	1.52	0.98	64	0.10	7	ms	sw		
115.21	116.74	1.53	1.31	86	0.38	25	ms	sw		
116.74	118.26	1.52	1.30	86	0.71	47	ms	sw		
118.26	119.79	1.53	1.02	67	0.63	41	ms	sw		
119.79	121.31	1.52	1.16	76	0.43	28	ms	sw		
121.31	122.83	1.52	1.37	90	0.50	33	ms	sw		
122.83	124.35	1.52	0.90	59	0.00	0	ew	ew	2.5YR3/4	
124.35	125.88	1.53	1.42	93	0.00	0	ew	ew	2.5YR3/4	
125.88	127.41	1.53	1.48	97	0.00	0	ew	ew	2.5YR3/4	
127.41	128.93	1.52	1.41	93	0.00	0	ew	ew	2.5YR3/4	
128.93	130.45	1.52	1.37	90	0.00	0	ew	ew	2.5YR3/4	
130.45	131.98	1.53	1.50	98	0.00	0	ew	ew	5YR4/4	
131.98	133.50	1.52	1.49	98	0.00	0	ew	ew	5YR4/4	
133.50	135.03	1.53	1.47	96	0.47	31	ew	hw	5YR4/4	
135.03	136.55	1.52	1.43	94	1.17	77	w	mw		
136.55	138.07	1.52	0.90	59	0.29	19	w	mw		
138.07	139.60	1.53	1.38	90	0.00	0	ew	ew	5YR4/4	
139.60	141.12	1.52	1.30	86	0.15	10	w	hw	5YR4/4	
141.12	142.65	1.53	0.11	7	0.00	0	w	hw		
142.65	144.17	1.52	1.23	81	1.13	74	w	hw	7.5YR4/6	
144.17	145.69	1.52	1.18	78	0.17	11	ew	ew	7.5YR4/6	
145.69	147.22	1.53	1.21	79	0.64	42	ew	ew	7.5YR4/6	
147.22	148.74	1.52	1.52	100	0.00	0	ew	ew	7.5YR4/4	
148.74	150.27	1.53	1.30	85	0.00	0	ew	ew		
150.27	151.79	1.52	1.10	72	0.00	0	ew	ew		
151.79	153.31	1.52	0.40	26	0.00	0	ew	ew		
153.31	154.84	1.53	1.42	93	1.42	93	w	hw		
154.84	156.36	1.52	1.36	89	1.10	72	w	hw		
156.36	157.89	1.53	1.52	99	1.10	72	w	hw		
157.89	159.41	1.52	1.40	92	0.98	64	w	hw		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
159.41	160.93	1.52	1.00	66	0.72	47	w	hw		
160.93	162.46	1.53	1.46	95	0.83	54	w	hw		
162.46	163.98	1.52	1.37	90	1.17	77	w	hw		
163.98	165.51	1.53	1.08	71	0.90	59	w	hw		
165.51	167.03	1.52	0.50	33	0.22	14	w	hw		
167.03	168.55	1.52	1.16	76	0.00	0	w	hw		
168.55	170.08	1.53	1.53	100	1.23	80	ew	ew	7.5YR5/4	
170.08	171.60	1.52	1.42	93	0.87	57	w	hw		
171.60	173.13	1.53	1.34	88	0.47	31	w	hw		
173.13	174.65	1.52	1.30	86	0.00	0	ew	ew	2.5YR3/4	
174.65	176.17	1.52	1.04	68	0.00	0	ew	ew	2.5YR3/4	
176.17	177.70	1.53	1.33	87	0.40	26	ew	ew	2.5YR4/3	
177.70	179.22	1.52	1.52	100	1.40	92	w	sw		
179.22	180.75	1.53	1.12	73	0.00	0				
180.75										

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-114

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00				
2.00				
3.00	LST	MBL	0.00	
4.00	LST	MBL	0.00	
5.00	LST	MBL	2.72	
6.00	LST	MBL	0.26	
7.00	LST	MBL	0.68	
8.00	LST	MBL	0.57	
9.00	LST	MBL	1.66	
10.00	LST	MBL	1.34	
11.00	LST	MBL	0.25	
12.00	LST	MBL	0.40	
13.00	LST	MBL	0.23	
14.00	LST	MBL	2.10	
15.00	LST	MBL	1.09	
16.00	LST	MBL	0.00	
17.00	LST	MBL	1.49	
18.00	LST	MBL	1.64	
19.00	LST	MBL	2.78	
20.00	LST	MBL	0.25	
21.00	LST	MBL	0.00	
22.00	LST	MBL	0.25	
23.00	LST	MBL	1.14	
24.00	LST	MBL	0.00	
25.00	LST	MBL	1.47	
26.00	LST	MBL	0.30	
27.00	LST	MBL	3.69	
28.00	LST	MBL	0.85	
29.00	LST	MBL	0.00	
30.00	LST	MBL	0.25	
31.00	LST	MBL	0.75	
32.00	LST	MBL		
33.00	LST	MBL		
34.00	LST	MBL		
35.00	LST	MBL		
36.00	LST	MBL		
37.00	LST	MBL	1.61	
38.00	LST	MBL	0.00	
39.00	LST	MBL	0.10	
40.00	LST	MBL	0.58	
41.00	LST	MBL	0.43	
42.00	LST	MBL	2.10	
43.00	LST	MBL	1.45	
44.00	LST	MBL	1.62	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	LST	MBL	1.68	
46.00	LST	MBL	1.41	
47.00	LST	MBL	0.31	
48.00	LST	MBL	1.62	
49.00	LST	MBL	0.16	
50.00	LST	MBL		
51.00	LST	MBL		
52.00	LST	MBL		
53.00	LST	MBL	2.97	
54.00	LST	MBL	2.20	
55.00	LST	MBL	0.00	
56.00	LST	MBL	1.74	
57.00	LST	MBL	4.36	
58.00	LST	MBL	1.56	
59.00	LST	MBL	0.00	
60.00	LST	MBL	0.80	
61.00	LST	MBL	1.24	
62.00	LST	MBL	1.73	
63.00	LST	MBL	0.00	
64.00	LST	MBL	3.88	
65.00	LST	MBL	0.00	
66.00	LST	MBL	2.13	
67.00	VOL	OX	1.29	
68.00	VOL	OX	2.10	
69.00	VOL	OX	0.82	
70.00	VOL	OX	1.61	
71.00	VOL	OX	0.43	
72.00	VOL	OX	2.45	
73.00	VOL	OX	2.43	
74.00	LST	MBL	0.00	
75.00	LST	MBL	0.00	
76.00	LST	MBL	0.08	
77.00	LST	MBL	2.88	
78.00	LST	MBL	0.00	
79.00	LST	MBL	0.21	
80.00	LST	MBL	0.43	
81.00	LST	MBL	1.62	
82.00	LST	MBL	0.67	
83.00	LST	MBL	0.58	
84.00	LST	MBL	0.20	
85.00	LST	MBL	0.31	
86.00	LST	MBL	0.00	
87.00	LST	MBL	0.00	
88.00	LST	MBL		
89.00	LST	MBL	1.02	
90.00	LST	MBL	0.72	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	LST	MBL	0.00	
92.00	LST	MBL		
93.00	LST	MBL	1.08	
94.00	LST	MBL		
95.00	LST	MBL		
96.00	LST	MBL		
97.00	LST	MBL		
98.00	LST	MBL	0.00	
99.00	LST	MBL	1.39	
100.00	LST	MBL		
101.00	LST	MBL		
102.00	LST	MBL	0.05	
103.00	LST	MBL	0.06	
104.00	LST	MBL	0.63	
105.00	LST	MBL	0.57	
106.00	LST	MBL		
107.00	LST	MBL	0.20	
108.00	LST	MBL	0.55	
109.00	LST	MBL	0.85	
110.00	LST	MBL	0.00	
111.00	LST	MBL	0.35	
112.00	LST	MBL	0.85	
113.00	LST	MBL	0.01	
114.00	LST	MBL	2.10	
115.00	MBL			
116.00	MBL		0.10	
117.00	MBL		3.10	
118.00	MBL		0.21	
119.00	MBL		0.43	
120.00	MBL			
121.00	MBL		1.05	
122.00	MBL		0.00	
123.00	OX		2.94	
124.00	OX		2.52	
125.00	OX		1.79	
126.00	OX		1.34	
127.00	OX		1.37	
128.00	OX		1.39	
129.00	OX		2.30	
130.00	OX		1.12	
131.00	OX		2.04	
132.00	OX		1.27	
133.00	OX		1.19	
134.00	OX		1.81	
135.00	LST		2.68	
136.00	LST		1.12	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	LST			
138.00	LST			
139.00	OX		1.26	
140.00	OX			
141.00	LST	OX	1.31	
142.00	LST	OX		
143.00	LST	OX	1.99	
144.00	LST	OX	2.11	
145.00	LST	OX		
146.00	LST	OX	3.05	
147.00	OX		2.01	
148.00	OX		1.74	
149.00	OX		2.15	
150.00	OX		2.06	
151.00	OX		0.00	
152.00	LST	OX	1.74	
153.00	LST	OX	0.62	
154.00	LST	OX	0.06	
155.00	LST	OX	4.11	
156.00	LST	OX	4.28	
157.00	LST	OX	2.18	
158.00	LST	OX	0.00	
159.00	LST	OX	0.00	
160.00	LST	OX	2.41	
161.00	LST	OX	0.62	
162.00	LST	OX	4.33	
163.00	LST	OX	2.50	
164.00	LST	OX	3.39	
165.00	LST	OX	4.88	
166.00	LST	OX		
167.00	LST	OX		
168.00	LST	OX		
169.00	LST	OX	0.30	
170.00	LST	OX	0.23	
171.00	LST	OX	4.46	
172.00	LST	OX	0.82	
173.00	LST	OX	1.94	
174.00	OX			
175.00	OX		0.99	
176.00	OX			
177.00	OX		0.72	
178.00	LST	OX	0.00	
179.00	LST	OX	4.36	
180.00	LST	OX	3.81	
181.00	LST	OX	1.46	
182.00	LST	OX	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00	LST	OX	0.78	
184.00	LST	OX	0.77	
185.00	LST	OX	1.94	
186.00	LST	OX	0.00	
187.00	LST	OX	2.13	
188.00	LST	OX	0.60	E.O.H.

DENSITY LOG

HOLE: Rau-10-114

Depth (m)	Unit	Modifier	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
			Py %	As %	Other	%							
14.66	MBL							15.0	6.1	1233.0	776.8	2.84	2.70
46.75	LST	MBL						15.2	6.1	1194.0	754.4	2.72	2.72
182.82	DOL						strongly oxidized	14.6	6.1	1131.7	705.1	2.68	2.65
134.65	DOL	OX						15.0	6.1	1031.0	598.1	2.38	2.38
123.00	OX	CLY					slightly gritty	14.4	6.1	953.6	-	2.29	-
124.75	OX	CLY						14.6	6.1	955.0	-	2.26	-
129.50	OX	CLY						14.1	6.1	1054.6	-	2.59	-
130.05	OX	CLY						14.6	6.1	1082.8	-	2.56	-
132.30	OX	CLY						14.5	6.1	989.7	-	2.36	-
140.00	OX	CLY					gritty clay	14.1	6.1	913.5	-	2.24	-
150.40	OX						10.15 AM	14.6	6.1	985.0	-	2.33	-
							11.35 AM	14.6	6.1	791.0	-	1.87	-
							12.35 AM	14.6	6.1	764.6	-	1.81	-
							1:40 PM	14.6	6.1	759.0	-	1.80	-
							2:30 PM	14.6	6.1	757.7	-	1.79	-
							2.55 PM	14.6	6.1	758.1	-	1.80	-
175.00	OX						10.15 AM	14.0	6.1	1016.6	-	2.51	-
							11.35 AM	14.0	6.1	809.1	-	2.00	-
							12.35 AM	14.0	6.1	796.0	-	1.97	-
							1:40 PM	14.0	6.1	792.2	-	1.96	-
							2:30 PM	14.0	6.1	791.8	-	1.96	-
							2.55 PM	14.0	6.1	791.5	-	1.95	-

HOLE: Rau-10-114

Box #	Diameter (cm)	From (m)	To (m)	Unit	Modifier	Recovery	Weight	Density	Comments
31	6.1	124.30	128.52	OX		2.83	52.5	2.91	
32	6.1	128.52	132.87	OX		2.96	60.5	3.21	
36	6.1	147.12	150.27	OX		3.36	41.5	1.94	

BOX LOG

HOLE: Rau-10-114

BOX	FROM (m)	TO (m)
1	0.00	7.22
2	7.22	11.00
3	11.00	14.84
4	14.84	18.76
5	18.76	22.58
6	22.58	26.58
7	26.58	29.95
8	29.95	33.35
9	33.35	37.34
10	37.34	40.93
11	40.93	44.50
12	44.50	48.56
13	48.56	52.66
14	52.66	56.50
15	56.50	60.15
16	60.15	64.92
17	64.92	69.85
18	69.85	73.85
19	73.85	77.79
20	77.79	81.53
21	81.53	85.41
22	85.41	89.31
23	89.31	93.67
24	93.67	97.80
25	97.80	102.85
26	102.85	107.16
27	107.16	111.01
28	111.01	115.02
29	115.02	119.52
30	119.52	124.30
31	124.30	128.52
32	128.52	132.87
33	132.87	136.70
34	126.70	141.12
35	141.12	147.12

BOX	FROM (m)	TO (m)
36	147.12	150.27
37	150.27	155.54
38	155.54	159.41
39	159.41	163.80
40	163.80	168.55
41	168.55	172.10
42	172.10	176.82
43	176.82	181.93
44	181.93	184.76
45	184.70	188.37
188.37 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
10+210NE	10+060NW	528613	7119232	1314	255.12

ZONE: Tiger

SECTION: 10+060NW

HOLE: **Rau-10-115**

CLAIM:

Contractor: Superior

Drill: 3

Core size: NQ

Casing depth: 3.05 m out

Drilling dates: September 6-9, 2010

Geology logged by: K. Wynne

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-60.0	compass	163.68	227	-58.4	Ranger
26.52	229	-58.1	Ranger	209.40	228	-58.1	Ranger
57.00	229	-58.4	Ranger	239.88	228	-57.8	Ranger
87.48	228	-58.6	Ranger	255.11	228	-58.1	Ranger

TARGET: Sulphide mineralization

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	1.47	1.47	OVB	
1.47	12.00	10.53	LST	Moderate strong MBL
12.00	13.55	1.55	MBL	
13.55	27.02	13.47	VOL	Moderate strong CHL, locally intense SER
27.02	127.54	100.52	LST	Variably MBL and DOL altered.
127.54	131.15	3.61	VOL	Strong SER with weak BIO
131.15	134.21	3.06	DOL	Weak Py MX.
134.21	172.23	38.02	VOL	Weak SER, magnetic pebble conglomerate
172.23	175.24	3.01	DOL	Fair SIL
175.24	199.89	24.65	LST	Moderate to intense DOL. Local SIL.
199.89	206.63	6.74	DOL	
206.63	212.27	5.64	LST	Intense DOL
212.27	230.97	18.70	DOL	Strong Py MX.
230.97	235.90	4.93	LST	Intense DOL
235.90	239.41	3.51	MBL	
239.41	255.12	15.71	LST	Moderate strong DOL, moderate MBL.
255.12	E.O.H.			

SAMPLES

Numbers: I077419-I077449

Total: 31

Batch: 82, 83

Date Sent: September 17, 15 2010

Certificate: VA10136191, VA10136190

COMMENTS

The hole was ended because the target depth was passed.

GEOLOGY LOG

HOLE: Rau-10-115

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	1.47	1.47				OVB			Overburden - no recovery.																		
1.47	12.00	10.53				LST	MBL		Medium grey FO LST, moderate to strong MBL. FO defined by variably MBL layers. Trace FG dark brassy Py disseminated and in Ca VT and bleb rims, often OX. Light orange brown OX on FX locally. lCN gradational.	FO	70					t		MBL	ms	t								
12.00	13.55	1.55				MBL			Milky white MBL with light orange on thin cracks and colouring zones < 20 cm. Thin irregular purple brown seams toward lCN. Trace dull brassy Py disseminated.							t				t							
13.55	27.02	13.47				VOL			Dark grey to black moderate strong CHL VOL, locally moderate strong BIO, grades into light green SER VOL. Variably amygdaloidal, and locally magnetic. Orange brown OX on FX and through zones < 15 cm. Soft and variably calcareous.							w		CHL	ms				Mg	t				
																		BIO	f								
																		SER	f								
			13.55	14.15	0.60	VOL	SIL		Gradational uCN to VOL, with strongly calcareous purple grey FO VOL, very hard due to moderate SIL. FO defined by trace FG Py.	FO	60							SIL	m	t								
			14.15	15.79	1.64	VOL	MG		Dark grey to black variably amygdaloidal magnetic VOL. FG with 10 cm of light green SER VOL rimmed by 5 cm of orange brown OX on both sides; competent, with bright colour indicative of SMI.														Mg	t	SMI	t		
			15.79	24.02	8.23	VOL	CHL		Dark grey CHL VOL, locally strongly calcareous, with vFG spots, and irregular patches and VT of calcite.									CHL	ms								
			24.02	27.02	3.00	VOL	SER	AM	Light green and purple brown intense SER fair BIO, amygdaloidal VO, with weak dull brassy Py. Larger blebs and VT of Ca locally dark grey in their centre with white rims. Orange brown OX locally within zones < 20 cm. Very broken zone ~ 25 cm long with OX and un-oxidizes VOL starts at 26.52. Last 50 cm after rubble are non-amygdaloidal and lack CA VT. CN with LST bellow is irregular, marked by strong vFG Py layer 4 cm wide.							w		SER	i	w								
																		BIO	f								

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
27.02	127.54	100.52				LST			Dark to light grey LST, locally intensely MBL and cBX, with SIL in thin layers, and increasingly DOL altered and brecciated down interval. Local moderate strong talc alteration as FG unoriented disseminated plates. Strong sBX and mBX locally.					m				MBL	m									
																		SIL	t								
			27.02	44.07	17.05	LST			Dark grey to white LST, locally intense MBL with intense cBX by dark calcareous seams through MBL intervals, which appear to intensify at boundaries of MBL and blend into dark grey LST.									MBL	i	t							
			33.62	35.12	1.50	LST			Dark grey to black, strongly calcareous LST with corroded and very broken appearance.																		
			35.12	60.32	25.20	LST			Begin to have talc alteration as FG white plates, unaligned, often associated with SIL blebs. Where intense, gives patchy appearance to LST.									SIL	w								
			43.54	43.77	0.23	LST			Intensely altered Qz/talc rich LST with orange brown OX on FX.									SIL	i								
			44.07	68.90	24.83	LST	DOL		Medium grey LST with thin darker grey stylolitic seams, locally very broken, moderate DOL altered with think DOL VT/VN and local MG hydrothermal DOL of rock over < 15 cm, forming dark rims around toothy DOL (exsolution structures). Local orange brown calcareous alteration of VT and zones < 40 cm. Local SIL and talc.					m				SIL	t								
			60.61	62.90	2.29	FLT			Very broken interval, possibly FLT																		
			68.90	120.03	51.13	LST	DOL		Dark and medium grey fair DOL LST, sBX by FG to MG DOL/Ca. Clasts irregularly shaped, subrounded of variable size, in sBX zones < 1 meter long. Unbrecciated LST has interlayers and patches of Dark grey and medium grey LST.					f														
			93.52	93.89	0.37				Dark grey to black strongly calcareous LST with tBX of FG clasts and cBX by Ca VT.																		
			93.89	96.00	2.11	LST		mBX	Strong mBX of dark grey LST by Ca VN. Clasts appear to have medium grey FG LST as "shadow" found predominantly on up-hole side of clasts.																		
			99.00	103.67	4.67	LST	sBX		Dark grey LST clasts in milky orange DOL/Ca matrix forms sBX to tBX with corroded appearance over intervals of < 1 meter. Remainder of interval medium grey LST sBX by white DOL/Ca, not corroded.					s														
			105.30	118.09	12.79	LST	OX		Orange and red brown OX and HEM alteration on FX and in thin cracks of DOL.							t										

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			111.17	112.98	1.81				mBX of LST by DOL/Ca, with red brown OX on FX and through matrix. Clasts Dark grey with medium grey layers predominantly found on uphole side of clasts.					s													
			112.98	113.79	0.81				Dark grey subangular LST clasts in medium grey LST matrix, possibly sBX of LST infilled by lime mud (speliothems)?																	
			120.03	123.88	3.85	LST			Dark to medium grey interlayered LST, with crinoids within dark grey layers. Locally weak MBL toward lCN.									MBL	w							
			124.81	126.50	1.69	LST	DOL		Dark grey LST with FG to MG DOL crystals in first 40 cm with thin black seams between them and LST layers interlayered. Cataclastic texture? Remainder of interval light grey moderate strong DOL of LST with trace Py and dark grey overprinted thin seams defining weak FO. Grades into DOL on lCN.	FO	65			ms						t						
			126.50	127.54	1.04	LST	DOL		Light grey to white FG intense DOL with thin green buff SER seams and local medium grey LST layers defining FO.	FO	60			i				SER	t						
127.54	131.15	3.61				VOL			Light green buff to dark brown VOL, strongly calcareous with Ca VT on FO and irregular blebs, and vFG Ca spots disseminated. Intense SER near CN, with BIO focused in centre of interval. Weak Py in intense SER zones, trace overall. Local intense SIL disrupting FO.	FO	70							SER	s	t						
																		BIO	w							
131.15	134.21	3.06				DOL			White to light grey FG to MG DOL/Ca with thin light brown and grey SER VOL layers and weak FG to CG Py in layers and disseminated. Very broken, locally to grit.											w						
134.21	172.23	38.02				VOL			Dark grey variably calcareous VOL with local light green SER in patches and zones. Variably magnetic, often associated with pebble conglomerate or with calcareous blebs.									SER	w				Mg	t		
			134.21	135.25	1.04	VOL	SER		Light green buff intense SER VOL with weak Py along FO and in rims of calcareous VT. First 20 cm extremely calcareous and moderate strong BIO as irregular uCN. BIO weak after uCN, on rims of Ca VT and spots. lCN ~ 10 cm rubble zone followed by gradational decrease in SER alteration and BIO spots.									SER	i	w						
																		BIO	w							
			135.25	135.99	0.74	VOL			Dark grey weakly CHL non-magnetic VOL.									CHL	w							

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			135.99	139.81	3.82	VOL			Dark grey weakly CHL magnetic VOL, increasingly soft and corroded appearing toward lCN. Small very rounded non-calcareous white clasts after 137.25m.									CHL	w				Mg	w			
			139.81	143.87	4.06	VOL	MG	CGL	Medium to dark grey and green buff magnetic VOL with elongate rounded clasts up to 7 cm wide, generally ~ 1 cm wide. Clasts darker grey or more SER than matrix. Both matrix and clasts magnetic; Magnetic Pebble Conglomerate. Small intervals and layers < 10 cm of calcite biotite replacing matrix with pebbles less altered.									SER	m				Mg	w			
																		BIO	w								
			143.87	144.71	0.84	VOL	SER		Light green buff brown intense SER, trace BIO, weak SIL VOL, with thin Qz VT. Weak Py disseminated and in VT. FO defined by alignment of platy minerals is irregular. Interval non-magnetic.									SER	i	w							
																		SIL	w								
																		BIO	t								
			144.71	145.52	0.81	VOL	MG		Dark grey magnetic VOL with calcareous elongate patches with trace BIO around rims.									BIO	t				Mg	w			
			145.52	149.41	3.89	VOL	SER		Light green grey strong SER altered, moderate strong CHL VOL, with dark brown grey BIO rims and replacement of elongate Ca blebs < 1 cm. < 0.5 cm diameter Qz blebs also elongate. Remnants from CGL? Begins to be magnetic after 146.70 m, with vFG black magnetite specs elongate on irregular FO. Last 10 cm very magnetic and calcareous.									SER	s				Mg	t			
																		CHL	ms								
																		BIO	w								
			149.41	155.30	5.89	VOL			Dark brown to blue grey, moderate to intense BIO and CHL, and intensely calcareous VOL, with trace SER and orange brown OX. Calcite in VT, and small to medium spots which locally appear clastic, but otherwise appear to be an alteration (LEP appearance).							t		BIO	ms								
																		CHL	ms								
																		SER	t								
			155.30	156.78	1.48	VOL	SER		Green to blue grey with local light brown intense SER VOL grading into moderate strong SER, intense CHL, moderate strong SIL VOL with thin weak BIO zones. Trace Py throughout interval. Significant decrease in Ca, with Ca VT and spots focused in last 20 cm before lCN, which is sharp, brecciated, and intensely CHL.	uCN	80							SER	i	t							

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
																		CHL	i								
																		SIL	m								
																		BIO	w								
			156.78	160.10	3.32	VOL	CHL		Light blue to dark grey strong CHL VOL with weak BIO surrounding and replacing elongate Ca blebs < 1 cm wide. Magnetic locally with trace Py, Po, and Mg. Py focused in replaced Ca blebs. Po and Mg FG disseminated.									CHL	s	t		t	Mg	t				
			160.10	164.36	4.26	VOL			Light green to blue grey SER and CHL VOL with strong Ca component as light grey MBL layers with interlayers of SER, CHL, and weak BIO defining FO. Irregular zones of intense deformation forming folds on core scale in intense SER zones. Trace Py through interval and locally magnetic, associated with vFG Ca spots.	FO	80							SER	s	t			Mg	t				
																		CHL	s								
																		BIO	w								
			164.36	166.20	1.84	VOL			Dark grey to black FG VOL with FG calcareous spots and irregular VT which have almost stylolitic appearance.																		
			166.20	167.03	0.83	VOL			Medium blue grey moderate CHL VOL with calcareous blebs < 2 cm being altered by BIO rimming them. Toward lCN, BIO VOL with Ca spots appears to form matrix with medium blue grey CHL clasts < 2 cm.									CHL	m									
																		BIO	f								
			167.03	170.70	3.67	VOL			Light green blue grey, intensely calcareous VOL. Locally with rounded calcareous blebs in SER VOL with BIO along rims, grading into vFG Ca spots. Trace Py and Po. Intensely magnetic, so likely vFG Mg also. Trace fuchsite.									SER	s	t		t	Mg	w	Fu	t		
																		BIO	w								
			170.70	172.23	1.53	VOL			Blue grey strong SER weak CHL VOL with SIL towards lCN. Bright yellow orange SER and trace fuchsite after 171.45 m. Weak Py with massive "splashy" Py VN at 171 for 10 cm.									SER	s	w			Fu	t				
																		CHL	w								
																		SIL	t								

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
172.23	175.24	3.01				DOL			Light grey FG to MG DOL/Ca with local strong SIL and talc alteration. Thin dark grey to brown SER VOL rich seams, variably calcareous, throughout. Fair FG to MG brassy Py disseminated throughout interval, preferentially in grey brown seam rims. uCN very broken and altered, first 15 cm intense SIL. lCN gradational into LST over ~ 5 cm.									SIL	f	f							
175.24	192.72	17.48				LST			Dark to light grey LST, increasingly DOL toward lCN, with fair disseminated Py. Locally SIL.					m				SIL	w	f							
			175.24	184.20	8.96	LST			Medium grey LST with dark grey non-calcareous layers (ARG?) as seams to interlayers. Qz/Ca VT to large VN through interval with many orientations, ~20 degrees most common. Weak FG to MG disseminated bright brassy Py.	VT	20									w								
			176.54	177.06	0.52	VN			Irregular Qz/Ca VN, unmineralized.																			
			184.20	187.20	3.00	VN	Qz		Predominantly Qz, lesser Ca VN with SIL of LST zones < 15 cm long. 20 cm zone of calcareous grit within interval. Fair FG to CG bright brassy Py disseminated and concentrated in LST areas.									SIL	ms	f								
			187.20	192.72	5.52	LST	DOL		Light to dark grey intense DOL LST with FG to MG DOL crystals separated by dark grey variably calcareous matrix grading into entirely DOL intervals with local SIL. Py FG to MG, disseminated, commonly forming on plane defining FO. Local talc alteration.	FO	65			i						f								
192.72	194.70	1.98				DOL			Light grey to white FG DOL with local intense DOL LST zones < 20 cm. Qz VN and blebs throughout. FG to MG bright brassy Py disseminated, following FO or in semi-massive zones. Local weak As and intense talc alteration.	FO	60									m	t							
			193.07	193.49	0.42				Zone with weak As												w							
194.70	199.89	5.19				LST	DOL		Dark grey to white intense DOL LST with white DOL patches and irregular layers in medium grey to dark grey DOL LST. Core very broken to predominantly rubble and has patchy appearance due to DOL crystals. Trace to weak FG to MG bright brassy disseminated Py. Light green white coating on many broken surfaces; Ca and talc.					i					w								
			198.41	199.18	0.77	VN	DOL		DOL/Ca VN, very broken, with Ca and talc on FX. Trace brassy Py disseminated and in thin layers.											t							

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
199.89	206.63	6.74				DOL			White to light grey FG to MG DOL with Ca/Qz/talc zones. Very broken, locally to rubble zones < 2 m long. Trace to semi-massive Py, generally FG but locally vCG, disseminated or following FO. Talc on FX and as FG disseminated plates associated with Ca and Qz.	FO	75									f							
206.63	212.27	5.64				LST	DOL	sBX	Dark grey to white intense DOL LST with sBX and cBX layers where dark LST and DOL form variably the matrix or clasts. Very broken interval, largely rubble. FG trace to massive Py , fair overall. Qz and Ca layers and patches common. Ca on broken surfaces.					i						f							
			206.81	208.06	1.25	MX	Py		Massive to semi-massive FG to MG brassy Py with Qz/Ca blebs. Has irregular CN with intense DOL LST.											i							
212.27	230.97	18.70				DOL			Light grey to white DOL with a large amount of Qz in layers and patches, associated with talc and calcite found disseminated, in layers, and on FX. Local light pink patches with vFG light orange and dark red sphalerite, variably calcareous. Strong FG to CG dull brassy Py disseminated and in semi-massive bands and zones < 70 cm.											s			Sp	t			
230.97	235.90	4.93				LST	DOL		Dark to medium grey intense DOL LST with FG to MG DOL forming sBX textures. DOL is cBX by dark grey seams. Ca and talc on FX and in thin layers. Dark red and light orange sphalerite in thin variable calcareous VT and in matrix of mBX. Weak FG Py in patches and layers through interval .					i						w			Sp	t			
235.90	239.41	3.51				MBL			Medium grey MBL with thin light brown SER and vFG Py layers defining FO and some patches of FG to MG bright brassy Py.	FO	65									t							
239.41	255.12	15.71				LST			Medium to Dark grey variably DOL LST with zones of MBL. Trace Py disseminated, and local trace Sp in VT.					ms					m	t			Sp	t			
			239.41	240.34	0.93	LST	DOL		Medium grey strong DOL LST with DOL VT and layers defining FO. Trace disseminated Py.	FO	55			s						t							

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			240.34	245.76	5.42	LST			Medium grey strong MBL and moderate strong DOL LST with thin dark grey and light brown VOL layers concentrated in first 1.5 m of interval. Ca and DOL VT and blebs common. Trace FG disseminated Py, increased to weak in VOL layers. Trace Sp in DOL/CA VT.					ms				MBL	s	t			Sp	t			
			245.05	245.76	0.71	FLT			tBX of LST in thin irregular undulating layers with fault gouge zones < 10 cm.																		
			245.76	255.12	9.36	LST			Dark grey moderate DOL LST, intensely veined and brecciated by Ca/DOL VT and VN. Intervals of sBX overprinted by tBX locally very broken to rubble and grit. Very calcareous. Trace Py in patches.					m						t								
									255.12: E.O.H. - The hole was ended because the targeted depth was passed.																			

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-115

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
170.00	172.23	2.23	VOL	CGL	2.10	94	I077419	82	0.03	0.51	758	16.55	
172.23	175.24	3.01	DOL		2.99	99	I077420	82	0.47	0.25	640	153.00	
175.24	178.15	2.91	LST	DOL	2.86	98	I077422	82	0.08	0.12	315	13.05	
178.15	181.15	3.00	LST	DOL	3.00	100	I077423	82	0.06	0.21	101	11.45	
181.15	184.20	3.05	LST	DOL	3.00	98	I077424	82	0.07	0.20	91	10.10	
184.20	187.20	3.00	LST	DOL	2.87	96	I077425	82	0.86	0.38	736	168.50	
187.20	190.00	2.80	LST	DOL	2.69	96	I077426	82	1.47	0.39	1580	106.50	
190.00	192.72	2.72	LST	DOL	2.60	96	I077427	82	0.65	0.25	1600	33.20	
192.72	194.70	1.98	LST	DOL	1.89	95	I077428	82	1.61	0.55	13650	144.00	
194.70	197.21	2.51	LST	DOL	2.32	92	I077430	82	0.02	0.18	135	4.71	
197.21	200.25	3.04	LST	DOL	2.75	90	I077431	82	0.02	0.54	136	14.40	
200.25	203.30	3.05	DOL		2.70	89	I077432	82	0.08	0.34	885	65.70	
203.30	206.35	3.05	DOL		2.62	86	I077433	82	0.02	0.18	313	325.00	
206.35	208.06	1.71	LST	DOL	1.50	88	I077434	82	0.35	0.32	3700	445.00	
208.06	211.00	2.94	LST	DOL	2.45	83	I077435	82	0.05	0.81	306	27.20	
211.00	212.27	1.27	LST	DOL	1.07	84	I077436	82	0.06	0.14	299	37.70	
212.27	213.25	0.98	DOL	MX	0.98	100	I077437	82	0.02	0.14	261	49.40	
213.25	215.49	2.24	DOL	MX	2.10	94	I077438	82	0.27	0.19	1220	356.00	
215.49	218.54	3.05	DOL	MX	2.50	82	I077440	82	0.61	0.20	1270	381.00	
218.54	221.59	3.05	DOL	MX	2.97	97	I077441	82	0.07	0.17	598	83.70	
221.59	224.64	3.05	DOL	MX	2.69	88	I077442	82	0.52	0.22	1080	426.00	
224.64	227.69	3.05	DOL	MX	2.85	93	I077443	83	0.03	0.12	222	53.50	
227.69	229.00	1.31	DOL	MX	1.31	100	I077444	83	0.55	0.32	2850	814.00	
229.00	230.97	1.97	DOL	MX	1.91	97	I077445	83	0.45	0.35	1915	472.00	
230.97	233.00	2.03	LST	DOL	1.95	96	I077446	83	0.07	10.55	256	22.50	
233.00	235.90	2.90	LST	DOL	2.78	96	I077447	83	0.04	3.31	203	34.30	
235.90	238.00	2.10	MBL		1.92	91	I077448	83	0.04	0.16	77	32.70	
-	-	-	-	-	-	-	I077421	82	3.34	0.22	61300	224.00	Standard RSS-7
-	-	-	-	-	-	-	I077429	82	<0.01	0.03	31	0.30	Blank (NQ)
-	-	-	-	-	-	-	I077439	82	1.85	0.31	26500	263.00	Standard RSS-6
-	-	-	-	-	-	-	I077449	83	<0.01	0.01	7	0.32	Blank (NQ)

GEOTECHNICAL LOG

HOLE: Rau-10-115

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
1.21	5.18	3.97	3.97	100	1.43	36	ms	fr		
5.18	8.23	3.05	2.75	90	1.76	58	ms	fr		
8.23	11.28	3.05	2.84	93	1.41	46	ms	fr		
11.28	14.33	3.05	2.99	98	2.04	67	ms	fr		
14.33	17.37	3.04	2.93	96	2.15	71	ms	fr		
17.37	20.42	3.05	3.02	99	1.87	61	ms	fr		
20.42	23.47	3.05	3.04	100	2.77	91	ms	fr		
23.47	26.52	3.05	2.88	94	2.75	90	ms	fr		
26.52	29.57	3.05	2.89	95	2.68	88	ms	fr		
29.57	32.61	3.04	3.02	99	2.63	87	ms	fr		
32.61	35.66	3.05	2.93	96	1.49	49	ms	fr		
35.66	38.71	3.05	3.04	100	1.90	62	ms	fr		
38.71	41.76	3.05	3.02	99	2.37	78	ms	fr		
41.76	44.81	3.05	2.80	92	1.75	57	ms	fr		
44.81	47.85	3.04	2.98	98	1.57	52	ms	fr		
47.85	50.90	3.05	2.59	85	2.11	69	ms	fr		
50.90	53.95	3.05	2.78	91	1.38	45	ms	fr		
53.95	57.00	3.05	2.95	97	2.15	70	ms	fr		
57.00	60.05	3.05	3.05	100	1.65	54	ms	fr		
60.05	63.09	3.04	2.74	90	0.18	6	ms	fr		
63.09	66.14	3.05	2.71	89	1.23	40	ms	fr		
66.14	69.19	3.05	3.05	100	1.74	57	ms	fr		
69.19	72.24	3.05	2.86	94	1.17	38	ms	fr		
72.24	75.29	3.05	2.80	92	0.10	3	ms	fr		
75.29	78.33	3.04	2.85	94	0.13	4	ms	fr		
78.33	81.38	3.05	2.82	92	0.50	16	ms	fr		
81.38	84.43	3.05	2.95	97	2.23	73	ms	fr		
84.43	87.48	3.05	2.88	94	0.68	22	ms	fr		
87.48	90.53	3.05	2.98	98	1.79	59	ms	fr		
90.53	93.57	3.04	3.05	100	2.50	82	ms	fr		
93.57	96.62	3.05	2.60	85	1.15	38	ms	fr		
96.62	99.67	3.05	2.84	93	0.68	22	ms	fr		
99.67	102.72	3.05	2.65	87	1.57	51	ms	fr		
102.72	105.77	3.05	2.35	77	0.85	28	ms	fr		
105.77	108.81	3.04	2.75	90	1.02	34	ms	fr		
108.81	111.86	3.05	3.05	100	0.13	4	ms	fr		
111.86	114.91	3.05	3.05	100	0.14	5	ms	fr		
114.91	117.96	3.05	2.62	86	0.20	7	ms	fr		
117.96	121.01	3.05	2.67	88	0.82	27	ms	fr		
121.01	124.05	3.04	2.92	96	0.79	26	ms	fr		
124.05	127.10	3.05	3.05	100	1.65	54	ms	fr		
127.10	130.15	3.05	2.92	96	0.77	25	ms	fr		
130.15	133.20	3.05	2.63	86	0.62	20	ms	fr		
133.20	136.25	3.05	2.85	93	0.71	23	ms	fr		
136.25	139.29	3.04	2.75	90	0.33	11	ms	fr		
139.29	142.34	3.05	2.95	97	0.68	22	ms	fr		
142.34	145.39	3.05	2.90	95	0.56	18	ms	fr		
145.39	148.44	3.05	2.86	94	0.41	13	ms	fr		
148.44	151.48	3.04	3.00	99	1.05	35	ms	fr		
151.48	154.53	3.05	2.98	98	0.92	30	ms	fr		
154.53	157.58	3.05	3.01	99	1.38	45	ms	fr		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
157.58	160.63	3.05	2.74	90	1.21	40	ms	fr		
160.63	163.68	3.05	3.05	100	1.15	38	ms	fr		
163.68	166.73	3.05	3.05	100	0.81	27	ms	fr		
166.73	169.77	3.04	2.61	86	1.49	49	ms	fr		
169.77	172.82	3.05	3.00	98	1.67	55	ms	fr		
172.82	175.87	3.05	3.05	100	2.09	69	ms	fr		
175.87	178.92	3.05	3.05	100	0.61	20	ms	fr		
178.92	181.97	3.05	3.03	99	2.00	66	ms	fr		
181.97	185.01	3.04	2.89	95	1.10	36	ms	fr		
185.01	188.06	3.05	2.90	95	1.37	45	ms	fr		
188.06	191.11	3.05	2.89	95	1.85	61	ms	fr		
191.11	194.16	3.05	3.00	98	1.80	59	ms	fr		
194.16	197.21	3.05	2.73	90	0.52	17	ms	fr		
197.21	200.25	3.04	2.75	90	0.22	7	ms	fr		
200.25	203.30	3.05	2.70	89	1.02	33	ms	sw		
203.30	206.35	3.05	2.62	86	0.76	25	ms	sw		
206.35	209.40	3.05	2.41	79	0.68	22	ms	sw		
209.40	212.45	3.05	2.61	86	1.17	38	ms	sw		
212.45	215.49	3.04	2.97	98	2.27	75	ms	sw		
215.49	218.54	3.05	2.50	82	0.72	24	s	sw		
218.54	221.59	3.05	2.97	97	1.75	57	s	sw		
221.59	224.64	3.05	2.69	88	1.93	63	s	sw		
224.64	227.69	3.05	2.85	93	1.50	49	s	sw		
227.69	230.74	3.05	2.98	98	2.42	79	s	sw		
230.74	233.78	3.04	2.78	91	1.12	37	s	sw		
233.78	236.83	3.05	2.83	93	1.19	39	ms	sw		
236.83	239.88	3.05	3.02	99	0.73	24	ms	sw		
239.88	242.93	3.05	2.85	93	1.00	33	ms	sw		
242.93	245.97	3.04	2.93	96	0.88	29	ms	sw		
245.97	249.02	3.05	3.00	98	0.72	24	w	sw		
249.02	252.06	3.04	2.70	89	0.38	13	w	sw		
252.06	255.12	3.06	2.68	88	0.53	17	w	sw		E.O.H.

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-115

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00				
2.00	LST	MBL	3.18	
3.00	LST	MBL	5.84	
4.00	LST	MBL	4.05	
5.00	LST	MBL	6.07	
6.00	LST	MBL	0.31	
7.00	LST	MBL	9.91	
8.00	LST	MBL	0.00	
9.00	LST	MBL	0.71	
10.00	LST	MBL	2.21	
11.00	LST	MBL	6.62	
12.00	LST	MBL	3.62	
13.00	MBL		0.49	
14.00	VOL	CHL	2.24	
15.00	VOL	CHL	9.29	
16.00	VOL	CHL	1.62	
17.00	VOL	CHL	0.00	
18.00	VOL	CHL	0.45	
19.00	VOL	CHL	4.73	
20.00	VOL	CHL	4.70	
21.00	VOL	CHL	2.70	
22.00	VOL	CHL	1.92	
23.00	VOL	CHL	0.00	
24.00	VOL	CHL	0.56	
25.00	VOL	CHL	0.45	
26.00	VOL	CHL	0.00	
27.00	VOL	CHL	0.00	
28.00	LST		0.00	
29.00	LST		0.00	
30.00	LST		0.00	
31.00	LST		0.00	
32.00	LST		0.00	
33.00	LST		0.91	
34.00	LST		3.14	
35.00	LST		0.00	
36.00	LST		0.01	
37.00	LST		3.38	
38.00	LST		0.00	
39.00	LST		0.00	
40.00	LST		0.00	
41.00	LST		2.56	
42.00	LST		1.01	
43.00	LST		0.00	
44.00	LST		0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	LST		2.10	
46.00	LST		0.00	
47.00	LST		0.00	
48.00	LST		11.10	
49.00	LST		3.73	
50.00	LST		0.67	
51.00	LST		1.70	
52.00	LST		0.00	
53.00	LST		3.23	
54.00	LST		0.00	
55.00	LST		0.00	
56.00	LST		4.00	
57.00	LST		0.41	
58.00	LST		4.09	
59.00	LST		0.95	
60.00	LST		3.84	
61.00	LST		0.00	
62.00	LST		8.52	
63.00	LST		1.07	
64.00	LST		2.90	
65.00	LST		5.59	
66.00	LST		1.57	
67.00	LST		1.83	
68.00	LST		0.38	
69.00	LST		1.55	
70.00	LST		1.04	
71.00	LST		0.86	
72.00	LST		1.04	
73.00	LST		0.18	
74.00	LST		1.07	
75.00	LST		1.04	
76.00	LST		1.06	
77.00	LST		1.93	
78.00	LST		3.01	
79.00	LST		5.16	
80.00	LST		2.59	
81.00	LST		0.00	
82.00	LST		4.94	
83.00	LST		0.16	
84.00	LST		0.00	
85.00	LST		0.43	
86.00	LST		1.35	
87.00	LST		0.69	
88.00	LST		0.98	
89.00	LST		0.98	
90.00	LST		0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	LST		0.82	
92.00	LST		0.00	
93.00	LST		1.73	
94.00	LST		0.43	
95.00	LST		0.98	
96.00	LST		0.00	
97.00	LST		1.26	
98.00	LST		1.53	
99.00	LST		0.00	
100.00	LST		0.00	
101.00	LST		0.34	
102.00	LST		0.86	
103.00	LST		3.01	
104.00	LST		0.75	
105.00	LST		0.43	
106.00	LST		1.02	
107.00	LST		1.40	
108.00	LST		1.86	
109.00	LST		0.00	
110.00	LST		5.03	
111.00	LST		1.28	
112.00	LST		2.76	
113.00	LST		0.96	
114.00	LST		0.14	
115.00	LST		1.79	
116.00	LST		2.47	
117.00	LST		0.23	
118.00	LST		0.95	
119.00	LST		0.15	
120.00	LST		2.18	
121.00	LST		0.80	
122.00	LST		4.52	
123.00	LST		2.85	
124.00	LST		1.17	
125.00	LST		4.62	
126.00	LST		0.96	
127.00	LST		1.83	
128.00	VOL	SER	0.89	
129.00	VOL	SER	6.73	
130.00	VOL	SER	0.87	
131.00	VOL	SER	0.00	
132.00	DOL		4.62	
133.00	DOL		0.16	
134.00	DOL		0.09	
135.00	VOL		0.25	
136.00	VOL		0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	VOL		128.00	
138.00	VOL		335.00	
139.00	VOL		206.00	
140.00	VOL		160.00	
141.00	VOL		328.00	
142.00	VOL		180.00	
143.00	VOL		116.00	
144.00	VOL		0.23	
145.00	VOL		100.00	
146.00	VOL		0.21	
147.00	VOL		216.00	
148.00	VOL		343.00	
149.00	VOL		256.00	
150.00	VOL		0.00	
151.00	VOL		4.06	
152.00	VOL		0.00	
153.00	VOL		0.00	
154.00	VOL		0.27	
155.00	VOL		2.69	
156.00	VOL		0.47	
157.00	VOL		15.60	
158.00	VOL		8.14	
159.00	VOL		5.47	
160.00	VOL		1.33	
161.00	VOL		0.25	
162.00	VOL		0.47	
163.00	VOL		4.28	
164.00	VOL		4.22	
165.00	VOL		1.33	
166.00	VOL		2.15	
167.00	VOL		3.14	
168.00	VOL		2.01	
169.00	VOL		5.92	
170.00	VOL		2.17	
171.00	VOL		1.44	
172.00	VOL		0.00	
173.00	DOL		1.75	
174.00	DOL		0.00	
175.00	DOL		2.72	
176.00	LST	DOL	0.27	
177.00	LST	DOL	1.26	
178.00	LST	DOL	0.26	
179.00	LST	DOL	1.77	
180.00	LST	DOL	1.40	
181.00	LST	DOL	0.64	
182.00	LST	DOL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00	LST	DOL	0.00	
184.00	LST	DOL	1.68	
185.00	LST	DOL	0.00	
186.00	LST	DOL	4.90	
187.00	LST	DOL	3.67	
188.00	LST	DOL	1.07	
189.00	LST	DOL	2.48	
190.00	LST	DOL	1.28	
191.00	LST	DOL	1.77	
192.00	LST	DOL	2.01	
193.00	LST	DOL	0.95	
194.00	LST	DOL	0.09	
195.00	LST	DOL	0.00	
196.00	LST	DOL	0.56	
197.00	LST	DOL	0.40	
198.00	LST	DOL	0.00	
199.00	LST	DOL	2.39	
200.00	DOL		1.04	
201.00	DOL		0.36	
202.00	DOL		0.00	
203.00	DOL		0.00	
204.00	DOL		0.21	
205.00	DOL		1.31	
206.00	DOL		0.21	
207.00	LST	DOL	0.93	
208.00	LST	DOL	0.50	
209.00	LST	DOL	0.29	
210.00	LST	DOL	0.20	
211.00	LST	DOL	0.47	
212.00	LST	DOL	1.46	
213.00	DOL	MX	1.42	
214.00	DOL	MX	0.00	
215.00	DOL	MX	0.18	
216.00	DOL	MX	0.00	
217.00	DOL	MX	0.00	
218.00	DOL	MX	0.00	
219.00	DOL	MX	1.51	
220.00	DOL	MX	0.00	
221.00	DOL	MX	4.94	
222.00	DOL	MX	1.73	
223.00	DOL	MX	1.40	
224.00	DOL	MX	0.00	
225.00	DOL	MX	1.31	
226.00	DOL	MX	0.20	
227.00	DOL	MX	0.38	
228.00	DOL	MX	1.28	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
229.00	DOL	MX	0.00	
230.00	DOL	MX	0.40	
231.00	LST	DOL	1.04	
232.00	LST	DOL	0.00	
233.00	LST	DOL	0.00	
234.00	LST	DOL	2.85	
235.00	LST	DOL	0.00	
236.00	MBL		0.49	
237.00	MBL		0.00	
238.00	MBL		0.00	
239.00	MBL		0.60	
240.00	LST	DOL	0.00	
241.00	LST	DOL	1.35	
242.00	LST	DOL	2.06	
243.00	LST	DOL	0.00	
244.00	LST	DOL	0.00	
245.00	LST	DOL	0.07	
246.00	LST	DOL	0.95	
247.00	LST	DOL	0.00	
248.00	LST	DOL	0.10	
249.00	LST	DOL	0.01	
250.00	LST	DOL	0.00	
251.00	LST	DOL	0.00	
252.00	LST	DOL	0.01	
253.00	LST	DOL	0.00	
254.00	LST	DOL	1.37	
255.00	LST	DOL	0.00	E.O.H.

DENSITY LOG

HOLE: Rau-10-115

Depth (m)	Unit	Modifier	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
			Py %	As %	Other	%							
202.75	DOL	MX	s					15.0	4.2	983.3	685.8	4.83	3.31
219.00	DOL	MX	ms					14.8	4.2	951.2	660.5	4.73	3.27
242.35	LST	DOL	t					14.9	4.2	846.1	552.7	4.18	2.88

BOX LOG

HOLE: Rau-10-115

BOX	FROM (m)	TO (m)
1	1.21	2.66
2	5.66	10.80
3	10.80	16.18
4	16.18	21.27
5	21.27	26.67
6	26.67	32.06
7	32.06	37.38
8	37.38	42.82
9	42.82	48.85
10	48.85	53.15
11	53.15	58.10
12	58.10	63.38
13	63.38	68.36
14	66.36	72.86
15	72.86	76.87
16	76.87	81.98
17	81.98	87.07
18	87.07	92.40
19	92.40	97.40
20	97.40	102.16
21	102.16	106.86
22	106.86	111.86
23	111.86	116.82
24	116.82	121.83
25	121.83	126.78
26	126.78	132.00
27	132.00	137.16
28	137.16	142.63
29	142.63	148.13
30	148.13	153.12
31	153.12	158.53
32	158.53	163.74
33	163.74	169.39
34	169.39	174.84
35	174.84	179.66

BOX	FROM (m)	TO (m)
36	179.66	185.15
37	185.17	190.54
38	190.54	195.53
39	195.53	199.89
40	199.89	204.14
41	204.14	209.24
42	209.24	214.09
43	214.09	219.49
44	219.49	224.88
45	224.88	230.11
46	230.11	235.10
47	235.10	240.30
48	240.30	245.72
49	245.72	250.88
50	250.88	255.12
255.12 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
10+101NE	10+275NW	528392	7119314	1362	124.36

ZONE: Oxide

SECTION: 10+275NW

HOLE: **Rau-10-116**

CLAIM:

Contractor: Superior

Drill: 2

Core size: HQ

Casing depth: 4.57 m out

Drilling dates: September 7-9, 2010

Geology logged by: J. Lane

TARGET: Oxide zone

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-60.0	compass	78.64	228	-58.5	Ranger
17.68	229	-58.8	Ranger	93.88	228	-58.9	Ranger
32.92	228	-58.5	Ranger	109.12	227	-59.3	Ranger
63.40	228	-58.4	Ranger	124.34	226	-58.7	Ranger

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	1.83	1.83	OVB	
1.83	28.50	26.67	LST	Fair OX.
28.50	57.50	29.00	LST	Moderate strong MBL and trace OX.
57.50	108.40	50.90	OX	
108.40	113.69	5.29	OX	VOL oxide with foliation.
113.69	119.62	5.93	OX	LEP oxide with foliation.
119.62	124.36	4.74	LST	Strong MBL.
124.36	E.O.H.			

SAMPLES

Numbers: I077450-I077480

Total: 31

Batch: 83, 84

Date Sent: September 15, 16 2010

Certificate: VA10136190, VA10135268

COMMENTS

The hole was ended because it has passed the target oxide horizon.

GEOLOGY LOG

HOLE: Rau-10-116

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								PHOTO
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	1.83	1.83				OVB			Overburden - no recovery																		
1.83	28.50	26.67				LST	OX		Medium to light grey, fairly fossiliferous, moderately foliated, highly fractured LST that is medium to light grey with a orange-brown stain on many fractured surfaces. Fossils include crinoids and crinoid stem fragments (including star crinoids). Gritty beige-brown layers 0.5-1.5 cm thick occur throughout the unit and are strongly deformed by the strain.							f											
									FO is moderate to strong and defined by strain textures throughout.	FO	60																
			25.30	26.82	1.52	LST	OX		Slightly yellowish taupe-brown calcareous gritty clay with subrounded rubbly LST fragments throughout.							s										
			26.82	28.22	1.40	LST			Medium to light grey moderately fractured and fragile LST with a fair foliation at 45 deg TCA.	FO	45															
			28.22	28.50	0.28	LST	OX		Medium taupe-grey gritty and rubbly calcareous clay.																	
28.50	57.50	29.00				LST	MBL		Medium to light grey, moderately to strongly marbleized, strongly foliated, intensely fractured LST with orange-brown oxide stain on many fractures. The FO is slightly variable between 70-80 deg TCA. 20% of the interval is intensely rubbly.	FO	75					t		MBL	ms								
57.50	108.40	50.90				OX			Gritty to rubbly to solid blond-yellow to yellow-brown to orange-brown, to purplish-red-brown oxide. The majority of the oxide is gritty rubble but extensive solid sideritic zones occur.																		
			57.50	73.88	16.38	OX	GRT		Medium orange gritty-rubbly oxide with the rubbly being quite sideritic in composition. 60% of the interval holds the core shape well but crumbles irregularly when it begins to dry out. The more sideritic gritty/rubbly areas are slightly more reddish-purple in colour.								m										
			73.88	88.26	14.38	OX			Medium orange-brown to slightly yellowish orange brown more fine grained gritty silty oxide.																	
			73.88	74.15	0.27	OX	CLY		Thin interval is both fine grained gritty grey clay and fine grained yellow-grey clay.																	

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			88.26	98.60	10.34	OX	SID		Red strongly sideritic gritty rubbly to solid core. In general the interval holds core shape well but crumbles easily when dried. Subrounded breccia textures are present from ~92-03.75 m. The clasts appear to be sideritic and are matrix supported and are 0.5-2 cm while the matrix is a lighter orange-brown oxide.																		x
			98.10						A vuggy area with coarse grained siderite crystals 0.7 cm in diameter.																		
			98.60	108.40	9.80	OX			Medium yellowish-brown silty gritty oxide that holds core shape well but crumbles when pressure is applied. A weak concentration of quartz fragments occurs within.														Qz	w			
108.40	113.69	5.29				OX	VOL		Light creamy yellow (blonde) silty gritty clay oxidized VOL with a faint LEP texture in part with. A weak foliation texture is present.	FO	60															
									An intensely oxidized sulphide vein cuts the oxide at 20 deg TCA.	VN	20																
			111.50	112.75	1.25	OX	VOL		Cubic 2 mm wide pits occur scattered throughout the unit. They may be the remnants of disseminated sulphides.																		
113.69	119.62	5.93				OX	LEP		Medium to light orangeish brown oxide with a fairly obvious spotted leopard texture and a FO at 50 deg TCA.	FO	50															
									The lower contact transitions into sideritic rubbly then transitions very sharply into marbleized LST at 30 deg to CA.	ICN	60																
119.62	124.36	4.74				LST	MBL		Strongly marbleized LST with a distinct foliation. The unit gradually becomes intensely marbleized to MBL at123.00 m	FO	40							MBL	s							
									The upper contact (as mentioned above) is sharp as a knife.	uCN	30	90															
									124.36 m: E.O.H - The hole was ended because it was past the oxide horizon and into the MBL.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-116

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
54.25	57.30	3.05	LST	MBL	1.74	57	I077450	83	0.05	0.23	374	1.89	
57.30	60.35	3.05	OX		2.12	70	I077451	83	0.68	1.32	3620	732.00	
60.35	63.40	3.05	OX		2.29	75	I077452	83	0.34	2.59	7430	949.00	
63.40	66.45	3.05	OX		1.42	47	I077454	83	0.79	8.24	18750	931.00	
66.45	69.49	3.04	OX		2.47	81	I077455	83	8.26	1.25	32800	626.00	
69.49	72.54	3.05	OX		2.88	94	I077456	83	1.01	2.79	28400	415.00	
72.54	74.07	1.53	OX		1.33	87	I077457	83	17.50	51.30	39800	3780.00	
74.07	75.59	1.52	OX		1.30	86	I077458	83	1.03	2.22	19100	1905.00	
75.59	78.64	3.05	OX		2.84	93	I077460	83	0.74	1.30	21000	102.50	
78.64	81.69	3.05	OX		2.77	91	I077461	83	0.31	1.16	19150	67.90	
81.69	84.73	3.04	OX		2.55	84	I077462	83	0.69	1.22	21500	63.20	
84.73	86.26	1.53	OX		1.31	86	I077463	83	1.02	0.63	19800	122.00	
86.26	87.78	1.52	OX		1.35	89	I077464	83	3.38	1.67	23500	618.00	
87.78	89.31	1.53	OX	SID	1.09	71	I077466	83	18.55	10.50	21000	612.00	
89.31	92.35	3.04	OX	SID	2.73	90	I077467	83	12.45	19.10	32600	309.00	
92.35	95.40	3.05	OX	SID	2.93	96	I077468	83	10.05	9.94	32200	195.00	
95.40	98.45	3.05	OX	SID	2.89	95	I077469	83	0.61	5.70	33900	207.00	
98.45	101.58	3.13	OX	VOL	2.84	91	I077471	83	0.49	3.35	25000	128.50	
101.50	104.55	3.05	OX	VOL	1.30	43	I077472	83	0.59	1.16	16150	66.20	
104.55	106.07	1.52	OX	VOL	1.52	100	I077473	83	0.22	1.35	10150	29.10	
106.07	108.40	2.33	OX	VOL	1.25	54	I077474	83	0.25	5.76	12050	64.60	
108.40	110.64	2.24	OX	VOL	1.03	46	I077475	83	0.11	2.09	11150	41.40	
110.64	113.69	3.05	OX	VOL	2.78	91	I077476	83	0.06	0.18	4520	6.94	
113.69	116.74	3.05	OX	LEP	2.69	88	I077477	83	0.06	0.11	19850	9.25	
116.74	119.62	2.88	OX	LEP	1.38	48	I077478	83	0.07	0.93	17900	64.50	
119.62	121.31	1.69	LST	MBL	0.99	59	I077479	84	0.01	0.01	69	0.09	
121.31	124.36	3.05	LST	MBL	2.29	75	I077480	84	<0.01	0.02	46	0.05	
60.35	63.40	3.05	OX		2.29	75	I077453	83	0.38	2.76	8240	945.00	Duplicate
-	-	-	-	-	-	-	I077459	83	1.46	0.62	102	2.54	Standard ROS-2
-	-	-	-	-	-	-	I077465	83	0.01	0.02	52	0.86	Blank (HQ)
-	-	-	-	-	-	-	I077470	83	8.96	21.30	13	1.04	Standard ROS-4

GEOTECHNICAL LOG

HOLE: Rau-10-116

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
1.83	2.44	0.61	0.18	30	0.00	0	w	sw		
2.44	3.96	1.52	0.35	23	0.00	0	w	sw		
3.96	5.49	1.53	1.01	66	0.15	10	w	sw		
5.49	7.01	1.52	0.90	59	0.11	7	w	sw		
7.01	8.53	1.52	1.10	72	0.28	18	w	sw		
8.53	10.06	1.53	0.72	47	0.00	0	w	sw		
10.06	11.58	1.52	1.25	82	0.00	0	w	sw		
11.58	13.11	1.53	0.83	54	0.11	7	w	sw		
13.11	14.63	1.52	1.18	78	0.00	0	w	sw		
14.63	16.15	1.52	0.98	64	0.14	9	w	sw		
16.15	17.68	1.53	1.31	86	0.57	37	w	sw		
17.68	19.20	1.52	1.22	80	0.55	36	w	sw		
19.20	20.73	1.53	1.27	83	0.68	44	w	sw		
20.73	22.25	1.52	1.40	92	0.42	28	w	sw		
22.25	23.77	1.52	1.16	76	0.13	9	w	sw		
23.77	25.30	1.53	0.67	44	0.00	0	w	sw		
25.30	26.82	1.52	0.35	23	0.00	0	w	sw		
26.82	28.35	1.53	1.37	90	0.14	9	w	sw		
28.35	29.87	1.52	1.05	69	0.15	10	w	sw		
29.87	31.39	1.52	1.23	81	0.15	10	w	sw		
31.39	32.92	1.53	0.86	56	0.00	0	w	sw		
32.92	34.44	1.52	1.23	81	0.00	0	w	sw		
34.44	35.97	1.53	1.12	73	0.00	0	w	sw		
35.97	37.49	1.52	0.74	49	0.00	0	w	sw		
37.49	39.01	1.52	1.07	70	0.00	0	w	sw		
39.01	40.54	1.53	1.02	67	0.00	0	w	sw		
40.54	42.06	1.52	0.99	65	0.25	16	w	sw		
42.06	43.58	1.52	0.95	63	0.00	0	w	sw		
43.58	45.11	1.53	1.28	84	0.00	0	w	sw		
45.11	46.63	1.52	0.50	33	0.00	0	w	sw		
46.63	48.16	1.53	0.72	47	0.00	0	w	sw		
48.16	49.68	1.52	1.20	79	0.10	7	w	sw		
49.68	51.21	1.53	1.03	67	0.15	10	w	sw		
51.21	52.73	1.52	0.83	55	0.32	21	w	sw		
52.73	54.25	1.52	0.93	61	0.12	8	w	sw		
54.25	55.78	1.53	0.69	45	0.00	0	ew	ew		
55.78	57.30	1.52	1.05	69	0.20	13	ew	ew	7.5YR5/6	
57.30	58.83	1.53	0.83	54	0.00	0	ew	ew	7.5YR5/6	
58.83	60.35	1.52	1.29	85	0.00	0	ew	ew	7.5YR3/4	
60.35	61.87	1.52	1.45	95	0.00	0	ew	ew	5YR4/4	
61.87	63.40	1.53	0.84	55	0.00	0	ew	ew	2.5YR3/4	
63.40	64.92	1.52	0.68	45	0.00	0	ew	ew	5YR4/6	
64.92	66.45	1.53	0.74	48	0.00	0	ew	ew	2.5YR3/4	
66.45	67.97	1.52	1.16	76	0.00	0	ew	ew	5YR3/4	
67.97	69.49	1.52	1.31	86	0.00	0	ew	ew	2.5YR3/6	
69.49	71.02	1.53	1.39	91	0.00	0	ew	ew	2.5YR3/6	
71.02	72.54	1.52	1.49	98	0.00	0	ew	ew	5YR4/6	
72.54	74.07	1.53	1.33	87	0.00	0	ew	ew	5YR4/6	
74.07	75.59	1.52	1.30	86	0.00	0	ew	ew	7.5YR4/4	
75.59	77.11	1.52	1.41	93	0.00	0	ew	ew	7.5YR4/4	
77.11	78.64	1.53	1.43	93	0.00	0	ew	ew	7.5YR4/6	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
78.64	80.16	1.52	1.35	89	0.00	0	ew	ew	7.5YR4/6	
80.16	81.69	1.53	1.42	93	0.00	0	ew	ew	7.5YR4/6	
81.69	83.21	1.52	1.36	89	0.00	0	ew	ew	7.5YR4/6	
83.21	84.73	1.52	1.18	78	0.00	0	ew	ew	2.5YR3/6	
84.73	86.26	1.53	1.31	86	0.00	0	ew	ew	5YR3/4	
86.26	87.78	1.52	1.35	89	0.00	0	ew	ew	5YR4/3	
87.78	89.31	1.53	1.09	71	0.00	0	ew	ew	10R3/4	
89.31	90.83	1.52	1.32	87	0.00	0	ew	ew	10R3/4	
90.83	92.35	1.52	1.41	93	0.00	0	ew	ew	10R3/4	
92.35	93.88	1.53	1.52	99	0.00	0	ew	ew	10R3/4	
93.88	95.40	1.52	1.41	93	0.28	18	ew	ew	10R3/4	
95.40	96.93	1.53	1.50	98	0.00	0	ew	ew	10R4/4	
96.93	98.45	1.52	1.39	91	0.00	0	ew	ew	10R3/4	
98.45	99.97	1.52	1.38	91	0.00	0	ew	ew	7.5YR4/4	
99.97	101.50	1.53	1.46	95	0.00	0	ew	ew	7.5YR4/6	
101.50	103.02	1.52	0.90	59	0.00	0	ew	ew	7.5YR4/6	
103.02	104.55	1.53	0.40	26	0.00	0	ew	ew	7.5YR4/6	
104.55	106.07	1.52	1.52	100	0.00	0	ew	ew	7.5YR4/6	
106.07	107.59	1.52	1.37	90	0.00	0	ew	ew	7.5YR4/6	
107.59	109.12	1.53	1.47	96	0.00	0	ew	ew	10YR7/4	
109.12	110.64	1.52	1.41	93	0.00	0	ew	ew	10YR7/4	
110.64	112.17	1.53	1.27	83	0.00	0	ew	ew	2.5YR7/3	
112.17	113.69	1.52	1.51	99	0.00	0	ew	ew	2.5YR7/4	
113.69	115.21	1.52	1.25	82	0.00	0	ew	ew	7.5YR7/8	
115.21	116.74	1.53	1.44	94	0.00	0	ew	ew	7.5YR4/4	
116.74	118.26	1.52	1.09	72	0.00	0	ew	ew	10YR7/8	
118.26	119.79	1.53	0.62	41	0.16	10	ms	fr	5Y4/6	
119.79	121.31	1.52	0.90	59	0.50	33	ms	fr		
121.31	122.83	1.52	0.97	64	0.25	16	ms	fr		
122.83	124.36	1.53	1.32	86	1.12	73	ms	fr		
124.36	E.O.H.									

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-116

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00				
2.00	LST	OX	0.00	
3.00	LST	OX	1.00	
4.00	LST	OX	0.10	
5.00	LST	OX	0.01	
6.00	LST	OX	0.00	
7.00	LST	OX	0.00	
8.00	LST	OX	0.36	
9.00	LST	OX	0.00	
10.00	LST	OX	0.00	
11.00	LST	OX	1.62	
12.00	LST	OX	0.16	
13.00	LST	OX	0.40	
14.00	LST	OX	0.00	
15.00	LST	OX	0.00	
16.00	LST	OX	0.82	
17.00	LST	OX	0.77	
18.00	LST	OX	0.00	
19.00	LST	OX	0.00	
20.00	LST	OX	1.14	
21.00	LST	OX	0.00	
22.00	LST	OX	0.00	
23.00	LST	OX	0.77	
24.00	LST	OX	0.28	
25.00	LST	OX	1.68	
26.00	LST	OX	6.61	
27.00	LST	OX	3.83	
28.00	LST	OX	6.68	
29.00	LST	MBL	0.00	
30.00	LST	MBL	2.60	
31.00	LST	MBL	0.00	
32.00	LST	MBL	0.00	
33.00	LST	MBL	0.00	
34.00	LST	MBL	0.00	
35.00	LST	MBL	0.00	
36.00	LST	MBL	0.00	
37.00	LST	MBL	0.00	
38.00	LST	MBL	3.19	
39.00	LST	MBL	0.00	
40.00	LST	MBL	0.87	
41.00	LST	MBL	1.81	
42.00	LST	MBL	0.00	
43.00	LST	MBL	0.00	
44.00	LST	MBL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	LST	MBL	1.46	
46.00	LST	MBL	0.00	
47.00	LST	MBL	0.00	
48.00	LST	MBL	2.62	
49.00	LST	MBL	1.93	
50.00	LST	MBL	0.00	
51.00	LST	MBL	1.60	
52.00	LST	MBL	2.60	
53.00	LST	MBL	0.47	
54.00	LST	MBL	0.00	
55.00	LST	MBL	5.46	
56.00	LST	MBL	0.00	
57.00	LST	MBL	0.00	
58.00	OX		7.56	
59.00	OX		6.77	
60.00	OX		12.20	
61.00	OX		1.37	
62.00	OX		4.46	
63.00	OX		12.80	
64.00	OX		7.56	
65.00	OX		8.58	
66.00	OX		4.62	
67.00	OX		6.41	
68.00	OX		6.48	
69.00	OX		2.63	
70.00	OX		2.80	
71.00	OX		6.83	
72.00	OX		5.00	
73.00	OX		3.96	
74.00	OX		7.91	
75.00	OX		5.02	
76.00	OX		12.80	
77.00	OX		5.30	
78.00	OX		8.31	
79.00	OX		8.19	
80.00	OX		7.94	
81.00	OX		4.18	
82.00	OX		7.25	
83.00	OX		3.12	
84.00	OX		4.41	
85.00	OX		4.97	
86.00	OX		2.58	
87.00	OX		4.30	
88.00	OX		6.36	
89.00	OX		8.95	
90.00	OX		7.96	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	OX		8.03	
92.00	OX		5.88	
93.00	OX		7.67	
94.00	OX		5.84	
95.00	OX		11.60	
96.00	OX		4.06	
97.00	OX		11.10	
98.00	OX		9.22	
99.00	OX		11.10	
100.00	OX		13.00	
101.00	OX		6.28	
102.00	OX		10.40	
103.00	OX		9.62	
104.00	OX		8.53	
105.00	OX		4.68	
106.00	OX		7.54	
107.00	OX		6.26	
108.00	OX		3.34	
109.00	OX	VOL	6.43	
110.00	OX	VOL	4.34	
111.00	OX	VOL	3.57	
112.00	OX	VOL	17.30	
113.00	OX	VOL	5.94	
114.00	OX	LEP	6.33	
115.00	OX	LEP	3.86	
116.00	OX	LEP	6.03	
117.00	OX	LEP	1.17	
118.00	OX	LEP	0.87	
119.00	OX	LEP	8.82	
120.00	LST	MBL	6.48	
121.00	LST	MBL	0.00	
122.00	LST	MBL	1.00	
123.00	LST	MBL	0.32	
124.00	LST	MBL	0.00	E.O.H.

DENSITY LOG

HOLE: Rau-10-116

Depth (m)	Unit	Modifier	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
			Py %	As %	Other	%							
68.50	OX						drill saturated	13.8	6.1	1142.9	-	2.86	
92.40	OX	SID						17.1	6.1	1534.8	-	3.10	
84.75	OX							13.7	6.1	1065.4	-	2.69	
105.25	OX	VOL						14.3	6.1	1021.9	-	2.47	
110.00	OX	VOL					blonde - possibly LEP unit	13.3	6.1	890.9	-	2.32	
60.50	OX	RBL					Rubbly grit - 0 hr	14.0	6.1	1172.3	-	2.90	
							1 hr	14.0	6.1	910.9	-	2.25	
							2 hr	14.0	6.1	863.8	-	2.13	
							3 hr	14.0	6.1	862.3	-	2.13	
							3.5 hr	14.0	6.1	859.5	-	2.12	
							4.5 hr	14.0	6.1	858.2	-	2.12	
							5 hr	14.0	6.1	856.7	-	2.12	
								14.0	6.1	855.1	-	2.11	
88.50	OX	GRT					Solidish - 0 hr	14.0	6.1	1074.3	-	2.65	
							1 hr	14.0	6.1	1025.3	-	2.53	
							2 hr	14.0	6.1	969.5	-	2.39	
							3 hr	14.0	6.1	960.8	-	2.37	
							3.5 hr	14.0	6.1	958.6	-	2.37	
							4.5 hr	14.0	6.1	957.8	-	2.37	
							5 hr	14.0	6.1	956.9	-	2.36	
								14.0	6.1	956.3	-	2.36	

HOLE: Rau-10-116

Box #	Diameter (cm)	From (m)	To (m)	Unit	Modifier	Recovery	Weight	Density	Comments
14	6.1	58.63	63.32	OX		3.63	58.5	2.53	
15	6.1	63.32	68.39	OX		2.99	58.5	3.07	
16	6.1	68.39	72.54	OX		3.81	65.5	2.70	
17	6.1	72.54	77.01	OX		4.05	63.5	2.46	
18	6.1	77.01	80.97	OX		3.54	54.5	2.41	
19	6.1	80.97	85.17	OX		3.68	58.5	2.49	
20	6.1	85.17	89.82	OX		3.74	63.5	2.66	
21	6.1	89.82	93.88	OX		3.19	70.5	3.47	
22	6.1	93.88	99.73	OX		3.67	60.5	2.59	
23	6.1	99.73	101.76	OX		3.68	61.5	2.62	
24	6.1	101.76	106.53	OX		4.93	58.5	1.86	
25	6.1	106.53	110.90	OX	VOL	4.01	58.5	2.29	
26	6.1	110.90	115.39	OX	VOL	3.83	59.5	2.44	

BOX LOG

HOLE: Rau-10-116

BOX	FROM (m)	TO (m)
1	1.83	7.01
2	7.01	11.20
3	11.20	15.08
4	15.08	19.03
5	19.03	22.63
6	22.63	28.22
7	28.22	31.93
8	31.93	35.97
9	35.97	40.54
10	40.54	44.49
11	44.49	49.40
12	49.40	53.14
13	53.14	58.63
14	58.63	63.32
15	63.32	68.39
16	68.39	72.54
17	72.54	77.01
18	77.01	80.79
19	80.97	85.17
20	85.17	89.82
21	89.82	93.88
22	93.88	97.73
23	97.73	101.76
24	101.76	106.56
25	106.56	110.90
26	110.90	115.39
27	115.39	120.50
28	120.50	124.36
124.36 m - E.O.H.		

RAU PROPERTY

	Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
ZONE: Tiger	10+071NE	09+965NW	528586	7119073	1295	178.92

SECTION: 09+965NW

HOLE: **Rau-10-117**

CLAIM:

Contractor: Superior

Drill: 3

Core size: NQ

Casing depth: 3.05 m out

Drilling dates: September 10-11, 2010

Geology logged by: K. Wynne

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-60.0	compass	133.20	231	-56.9	Ranger
11.28	228	-58.9	Ranger	148.44	232	-57.1	Ranger
41.76	234	-58.7	Ranger	163.68	231	-57.2	Ranger
102.72	230	-57.0	Ranger	178.90	234	-57.2	Ranger

TARGET: Tiger sulphide zone

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	1.87	1.87	OVB	
1.87	70.93	69.06	LST	Moderate DOL
70.93	71.85	0.92	MBL	
71.85	86.36	14.51	VOL	Variable SER, BIO, and CHL.
86.36	160.69	74.33	DOL	Moderate Py, weak As, trace Po.
160.69	161.30	0.61	MBL	
161.30	166.73	5.43	VOL	Variable SER, BIO, and CHL.
166.73	168.19	1.46	DOL	
168.19	174.12	5.93	MBL	
174.12	178.92	4.80	LEP	Fair CHL.
178.92	E.O.H.			

SAMPLES

Numbers: I077481-I077422

Total: 42

Batch: 84, 85

Date Sent: September 16, 17 2010

Certificate: VA10135268, VA10135267

COMMENTS

The hole was ended because target horizon was passed.

GEOLOGY LOG

HOLE: Rau-10-117

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	1.87	1.87				OVB			Overburden - no recovery																		
1.87	70.93	69.06				LST			Dark grey to medium grey variably brecciated and DOL LST, with zones of sBX by DOL, mBX by Ca/DOL and mBX of dark grey LST with medium grey LST matrix. Local fossils and foliation which develops down interval. Increasing MBL toward lCN. Dark red brown hematite locally on FX.					m												
			1.87	7.52	5.65	LST			Dark grey ARG rich LST fairly DOL, with cBX by dark grey seams locally becoming mBX with Ca matrix. FG to MG DOL VT to VN < 10 cm locally mBX LST. Moderately broken interval, with corroded appearance and dark red brown coating on FX and in vugs.					f		t										
			7.52	9.14	1.62	LST			Dark to medium grey and milky white LST with Ca VN which mBX LST and cut DOL VT and sBX. First ~ 30 cm massive vCG Ca																	
			9.14	17.38	8.24	LST	DOL	sBX	Intensely sBX LST with white to light grey FG to MG DOL. sBX commonly as irregular thin elongate LST clast with DOL matrix.					ms													
			23.47	42.64	19.17	LST	DOL		Dark to medium grey DOL LST. Dark grey ARG rich LST strongly mBX with medium grey more calcareous LST as matrix. Down interval, becomes more sBX in nature with local mBX. Both medium and dark grey LST locally sBX by Ca/DOL, commonly forming "shadow" with medium grey LST on uphole side of Dark grey LST clasts in sBX. DOL often found in thin rim on downhole side of dark grey layers/patches.					m												
			23.47	24.41	0.94	LST	DOL		Dark grey LST variably BX by DOL with zones < 20 cm of intense DOL as FG crystals with black bituminous FG clasts; very sugary and broken texture. Also have local light orange to dark red brown alteration in very broken DOL veined and mBX LST and on FX. Variably calcareous, with HEM and OX alteration.					ms		w		HEM	w							
			39.04						First fossil occurs in LST. Rugose, favocites, unknown coral, and crinoids present.																	
			42.64	51.46	8.82	LST	DOL		Dark grey FOS LST with overprinted honeycomb coral and crinoids. Moderate strong DOL with weak FO locally. Locally sBX by FG to MG DOL, with decreasing Doll down interval, grading into un-DOL, un-sBX LST. Trace FG Py disseminated through interval.					ms					t							

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			51.46	55.68	4.22	LST			Dark to medium grey irregular FO LST with crinoid FOS. Dark buff layers on FO, VOL rich. Associated with vFG Py and trace disseminated Py also.											t							
			55.68	70.93	15.25	LST	MBL		Very dark grey to light grey variably MBL LST with FOS preferentially MBL altered. Honeycomb corals ~ 20 cm long variably identifiable due to MBL, with very dark grey calcareous layers, irregular and as matrix between mounds. Remainder of interval FO, variably MBL, layers with thin black layers following FO. More intensely MBL zones have buff SER layers < 5 cm with FG disseminated Py. Py in small patches through rest of interval.	FO	50							MBL	m	t						
70.93	71.85	0.92				MBL			Milky white to light purple brown and buff MBL with BIO and SER layers which define FO, and CG Ca layers and patches. Gradational lCN. Trace FG Py in patches.	FO	55									t							
71.85	86.36	14.51				VOL			Light green buff to blue grey or brown, variably CHL BIO, and SER altered VOL. Largely calcareous, with local Ca VT. Locally conglomeritic, grading into variably altered layers. Variably magnetic due to trace Po and possibly due to vFG Mg.																		
			71.85	73.67	1.82	VOL			Dark brown to blue green, strong SER with patchy moderate strong BIO VOL, magnetic due to trace Po for last 1/2 of interval. Trace FG disseminated Py. Strongly calcareous in vFG disseminated spots associated wit BIO and irregular VT.									SER	s	t		t					
																		BIO	ms								
			73.67	76.32	2.65	VOL	CHL		Dark blue grey intensely calcareous moderate strong CHL VOL. Ca in vFG spots with CHL rim and in irregular VT. uCN fairly sharp, lCN very gradational into SER VOL. No mineralization.	uCN	35							CHL	ms								
			76.32	85.74	9.42	VOL	SER		Green buff to blue green grey intense SER moderate CHL VOL with bands and patches of BIO, associated with Ca spots and VT. Interval variably strongly to weakly calcareous. FO defined by platy minerals and thin Py layers. Trace fuchsite. Magnetic locally due to trace to weak Po, vFG in layers and disseminated. Toward lCN, SER has light purple buff and bright yellow colourations.	FO	45							SER	i	w		t	Fu	t			
																		CHL	m								

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
																		BIO	f								
			81.65	84.10	2.45	VOL			Grey and light brown trace BIO patches with green buff to bright yellow strong SER and trace fuchsite surrounding, locally patches have rounded edges giving clastic appearance; possibly conglomerate. Weak Py, FG to MG, bright brassy, and trace FG Po.									SER	s	w		t	Fu	t			
																		BIO	t								
			85.74	86.36	0.62	VOL			Gradational CN, Dark grey FO VOL with decreasing SER. Thin calcareous layers with FG to MG bright Py associated.	FO	55							SER	w	w							
86.36	160.69	74.33				DOL	MX		Light grey to white, FG to vCG DOL with irregular Qz VN and patches, associated with talc and calcite patches which also occur without Qz. Zones < 50 cm of intense DOL sBX LST with decreased MX, and thin< 5 cm dark grey vFG weakly calcareous layers (VOL/ARG?). Weak to strong FG to MG bright brassy Py disseminated and in layers defining weak FO. weak MG to CG dull grey silver As disseminated in patches and layers after 91.83 m. As appears to be overprinted by Py. Trace Po throughout, associated with talc tremolite patches. Talc patches typically calcareous, locally light green tremolite coloured. Trace OX increasing down interval on FX, as Py tarnish, and in VT.	FO	55					t				m	w	t	Tc	w			
			94.50	95.05	0.55	LST	DOL		Intensely DOL sBX LST, with trace Py. Gradational uCN, lCN 5 cm dark grey weakly calcareous VOL/ARG.																		
			108.65	109.66	1.01				Predominantly Qz VN and blebs in interval, at irregular orientations with talc/Ca rims and increased Talc/Ca content uphole for ~ 3 m. Qz VN in CG DOL with weak FG to CG Po disseminated and trace FG Py.											t		w	Tc	f			
			109.66	109.97	0.31	DOL			Light grey FG DOL with CHL layers. Talc alteration and FG As which has tabular form; possibly from replacing talc. Trace Po, FG disseminated.									CHL	f		t	t	Tc	w			
			109.97	110.47	0.50	LST	DOL		Intense DOL sBX and cBX LST, medium grey, with weak FG disseminated Po grading into trace Py at gradational lCN. uCN sharp, marked by CHL/DOL layers.	uCN	60									t		w					
			134.27	134.55	0.28	DOL			Broken, weakly OX on FX. Py bellow this interval weakly tarnished locally, and core OX on some FX.							w										

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			151.35	158.17	6.82	DOL	OX		Light orange to dark red brown alteration on FX, VT, and through zones of CG DOL. Weak ANK and moderate HEM and OX. Weak talc in moderate OX zones. Interval vugged and non-calcareous.						w	m		HEM	m				Tc	w			
160.69	161.30	0.61				MBL			Milky white to dark grey MBL with thin dark grey layers with strong to weak FG Py within them, weak overall. 13 cm interval of DOL within MBL, with VOL layers on CN. Dark layers altered to olive green, soft non-calcareous. uCN very irregular, with dark green alteration layers ~ 50 cm into DOL and on FX.											w							
161.30	166.73	5.43				VOL			Dark grey to black and dark brown and buff greer variable SER, BIO, and CHL VOL, locally very corroded, commonly strongly calcareous in irregular spots and layers.																		
			161.30	163.59	2.29	VOL	BIO		Dark grey to black, strong BIO VOL with uCN intense SER, gradationally decreasing until no SER after 162.20 m. Ca in vFG spots, VT, and irregular patches, rimmed by BIO. Some vFG spots DOL altered. Strong Py over 5 cm at uCN, becomes trace through rest of interval. Ca decreased down interval to almost nothing.									BIO	s	t							
																				SER	ms							
			163.59	164.97	1.38	LEP			Dark grey to black moderate strong CHL, strongly calcareous, LEP. uCN defined by sharp increase in Ca as irregular spots. From 164.70 have vFG Ca in layered VOL.									CHL	ms								
			164.97	166.73	1.76	VOL			Green buff and brown strong SER and BIO VOL, and intense Ca in irregular patch with BIO rims. First meter extremely corroded, no Ca, almost entirely BIO with fair SER and trace Qz. Trace Py increases to strong at lCN.									SER	s	t							
																				BIO	s							
166.73	168.19	1.46				DOL			Milky white to light grey CG DOL with growth spaces. Weak Py as FG disseminated and irregular layers. Light green brown alteration on FX, non-calcareous.											w							
168.19	174.12	5.93				MBL			White to light grey MBL with overprinted light to medium grey layers locally verging into zones < 50 cm long. Dark grey weak SER layers begin ~ 1 m before lCN.									SER	t							

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
174.12	178.92	4.80				LEP			Dark grey fair CHL, locally weak SER LEP, very calcareous in irregular patches and layers, locally vFG spots, typically ~ 0.5 to 1 cm wide. Layers of VOL and Ca define weak FO.	FO	60							CHL	f								x
																		SER	t							
									178.92 m- E.O.H. because it had passed favourable Tiger DOL.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-117

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch		Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
69.19	71.85	2.66	MBL		2.62	98	I077481	84	I077481	<0.01	0.07	109	0.13	
71.85	73.67	1.82	VOL		1.77	97	I077482	84	I077482	<0.01	0.13	33	1.08	
73.67	76.32	2.65	VOL		2.65	100	I077483	84	I077483	<0.01	0.12	57	0.18	
76.32	78.33	2.01	VOL		2.99	149	I077484	84	I077484	<0.01	0.16	84	1.74	
-	-	-	-	-	-	-	I077485	84	I077485	<0.01	<0.01	5	0.10	Blank NQ
78.33	81.38	3.05	VOL		2.76	90	I077486	84	I077486	0.01	0.19	281	5.20	
81.38	84.43	3.05	VOL		2.95	97	I077487	84	I077487	0.04	0.17	56	2.56	
84.43	86.36	1.93	VOL		1.93	100	I077488	84	I077488	0.03	0.10	35	3.57	
86.36	87.48	1.12	DOL	MX	1.09	97	I077489	84	I077489	0.17	0.17	7320	53.90	
87.48	90.53	3.05	DOL	MX	2.86	94	I077490	84	I077490	1.51	0.19	1200	105.50	
90.53	93.57	3.04	DOL	MX	2.92	96	I077491	84	I077491	3.29	0.24	39600	154.50	
-	-	-	-	-	-	-	I077492	84	I077492	0.45	1.65	6300	76.70	Standard RSS-5
93.57	96.62	3.05	DOL	MX	3.05	100	I077493	84	I077493	4.11	0.13	41600	247.00	
96.62	99.67	3.05	DOL	MX	2.80	92	I077494	84	I077494	7.59	0.11	53200	334.00	
99.67	102.72	3.05	DOL	MX	3.01	99	I077495	84	I077495	11.35	0.19	39300	404.00	
102.72	105.76	3.04	DOL	MX	3.00	99	I077496	84	I077496	2.06	0.17	24800	235.00	
105.76	108.81	3.05	DOL	MX	3.05	100	I077497	84	I077497	2.85	0.17	18550	374.00	
108.81	111.86	3.05	DOL	MX	3.02	99	I077498	84	I077498	1.06	0.06	25000	44.60	
111.86	114.91	3.05	DOL	MX	2.85	93	I077499	84	I077499	2.03	0.07	38900	216.00	
-	-	-	-	-	-	-	I077500	84	I077500	1.81	0.40	28100	268.00	Standard RSS-6
114.91	117.96	3.05	DOL	MX	2.95	97	I077501	84	I077501	0.76	0.07	24300	167.00	
117.96	121.01	3.05	DOL	MX	3.02	99	I077502	84	I077502	0.64	0.07	15500	122.50	
121.01	124.05	3.04	DOL	MX	3.01	99	I077503	84	I077503	0.15	0.05	8190	73.90	
-	-	-	-	-	-	-	I077504	84	I077504	<0.01	<0.01	32	0.14	Blank NQ
124.05	127.10	3.05	DOL	MX	2.90	95	I077505	84	I077505	0.63	0.08	14800	40.40	
127.10	130.15	3.05	DOL	MX	3.05	100	I077506	84	I077506	0.20	0.08	3580	141.00	
130.15	133.20	3.05	DOL	MX	3.00	98	I077507	84	I077507	0.52	0.08	9070	151.50	
130.15	133.20	3.05	DOL	MX	3.00	98	I077508	84	I077508	0.49	0.08	9780	118.50	Duplicate
133.20	136.25	3.05	DOL	MX	2.98	98	I077509	84	I077509	0.76	0.06	6300	1920.00	
136.25	139.29	3.04	DOL	MX	2.98	98	I077510	84	I077510	0.54	0.08	10750	131.50	
139.29	142.34	3.05	DOL	MX	2.96	97	I077511	84	I077511	0.34	0.07	11200	179.50	
142.34	145.39	3.05	DOL	MX	3.03	99	I077512	84	I077512	0.13	4.99	9540	162.00	
145.39	148.44	3.05	DOL	MX	3.05	100	I077513	84	I077513	0.11	0.09	4640	217.00	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch		Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
148.44	151.48	3.04	DOL	MX	3.03	100	I077514	84	I077514	0.83	0.11	4580	109.00	
151.48	154.53	3.05	DOL	MX	3.04	100	I077515	85						
154.53	157.58	3.05	DOL	MX	2.92	96	I077516	85						
157.58	160.69	3.11	DOL	MX	3.07	99	I077517	85						
-	-	-	-	-	-	-	I077518	85						Blank NQ
160.69	163.68	2.99	MBL		2.80	94	I077519	85						
163.68	166.73	3.05	VOL		2.80	92	I077520	85						
166.73	168.19	1.46	DOL		1.46	100	I077521	85						
168.19	169.77	1.58	MBL		1.56	99	I077522	85						

GEOTECHNICAL LOG

HOLE: Rau-10-117

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
1.87	5.18	3.31	3.24	98	1.24	37	ms	fr		
5.18	8.23	3.05	2.70	89	1.80	59	ms	fr		
8.23	11.28	3.05	2.73	90	1.47	48	ms	fr		
11.28	14.33	3.05	2.87	94	1.85	61	ms	fr		
14.33	17.37	3.04	2.96	97	2.35	77	ms	fr		
17.37	20.42	3.05	3.05	100	2.60	85	ms	fr		
20.42	23.47	3.05	2.90	95	1.93	63	ms	fr		
23.47	26.52	3.05	2.59	85	1.11	36	ms	fr		
26.52	29.57	3.05	2.98	98	2.40	79	ms	fr		
29.57	32.62	3.05	3.05	100	3.02	99	ms	fr		
32.62	35.66	3.04	3.04	100	2.16	71	ms	fr		
35.66	38.71	3.05	2.97	97	2.47	81	ms	fr		
38.71	41.76	3.05	3.00	98	1.42	47	ms	fr		
41.76	44.81	3.05	2.96	97	1.99	65	ms	fr		
44.81	47.85	3.04	2.88	95	0.87	29	ms	fr		
47.85	50.90	3.05	2.67	88	0.82	27	ms	fr		
50.90	53.95	3.05	3.05	100	2.98	98	ms	fr		
53.95	57.00	3.05	2.91	95	2.80	92	ms	fr		
57.00	60.05	3.05	3.05	100	3.05	100	ms	fr		
60.05	63.09	3.04	2.98	98	2.30	76	ms	fr		
63.09	66.14	3.05	2.69	88	1.22	40	ms	fr		
66.14	69.19	3.05	2.93	96	2.67	88	ms	fr		
69.19	72.24	3.05	3.00	98	2.62	86	ms	fr		
72.24	75.29	3.05	3.04	100	2.91	95	ms	fr		
75.29	78.33	3.04	3.04	100	3.04	100	ms	fr		
78.33	81.38	3.05	3.05	100	2.76	90	ms	fr		
81.38	84.43	3.05	3.05	100	2.95	97	ms	fr		
84.43	87.48	3.05	3.00	98	2.50	82	ms	fr		
87.48	90.53	3.05	3.05	100	2.86	94	ms	fr		
90.53	93.57	3.04	3.04	100	2.92	96	ms	fr		
93.57	96.62	3.05	3.05	100	3.05	100	ms	fr		
96.62	99.67	3.05	3.05	100	2.80	92	ms	fr		
99.67	102.72	3.05	3.01	99	2.91	95	ms	fr		
102.72	105.76	3.04	3.00	99	2.83	93	ms	fr		
105.76	108.81	3.05	3.05	100	2.88	94	ms	fr		
108.81	111.86	3.05	3.02	99	2.93	96	ms	fr		
111.86	114.91	3.05	2.85	93	2.61	86	ms	fr		
114.91	117.96	3.05	2.95	97	2.95	97	ms	fr		
117.96	121.01	3.05	3.02	99	3.02	99	ms	fr		
121.01	124.05	3.04	3.01	99	3.01	99	ms	fr		
124.05	127.10	3.05	2.90	95	2.60	85	ms	fr		
127.10	130.15	3.05	3.05	100	2.84	93	ms	fr		
130.15	133.20	3.05	3.00	98	2.82	92	ms	fr		
133.20	136.25	3.05	2.98	98	2.21	72	ms	fr		
136.25	139.29	3.04	2.98	98	2.44	80	ms	fr		
139.29	142.34	3.05	2.96	97	2.71	89	ms	fr		
142.34	145.39	3.05	3.03	99	2.95	97	ms	fr		
145.39	148.44	3.05	3.05	100	2.84	93	ms	sw		
148.44	151.48	3.04	3.03	100	2.40	79	ms	sw		
151.48	154.53	3.05	3.04	100	2.45	80	ms	sw		
154.53	157.58	3.05	2.92	96	2.44	80	ms	sw		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
157.58	160.63	3.05	3.02	99	2.63	86	ms	sw		
160.63	163.68	3.05	2.87	94	1.37	45	w	sw		
163.68	166.73	3.05	2.80	92	0.51	17	w	fr		
166.73	169.77	3.04	3.02	99	2.73	90	w	fr		
169.77	172.82	3.05	2.90	95	2.64	87	ms	fr		
172.82	175.87	3.05	3.05	100	2.80	92	s	fr		
175.87	178.92	3.05	3.05	100	2.71	89	s	fr		E.O.H.

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-117

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00			-	
2.00	LST		0.98	
3.00	LST		3.01	
4.00	LST		2.52	
5.00	LST		1.17	
6.00	LST		0.00	
7.00	LST		0.00	
8.00	LST		0.43	
9.00	LST		1.79	
10.00	LST		1.06	
11.00	LST		0.00	
12.00	LST		0.31	
13.00	LST		0.00	
14.00	LST		0.00	
15.00	LST		0.00	
16.00	LST		0.00	
17.00	LST		4.31	
18.00	LST		2.17	
19.00	LST		0.93	
20.00	LST		0.00	
21.00	LST		2.72	
22.00	LST		0.82	
23.00	LST		0.65	
24.00	LST		0.84	
25.00	LST		1.33	
26.00	LST		0.00	
27.00	LST		0.00	
28.00	LST		7.46	
29.00	LST		0.40	
30.00	LST		0.36	
31.00	LST		0.87	
32.00	LST		0.78	
33.00	LST		1.61	
34.00	LST		0.00	
35.00	LST		0.29	
36.00	LST		0.00	
37.00	LST		0.00	
38.00	LST		0.10	
39.00	LST		1.61	
40.00	LST		1.97	
41.00	LST		3.98	
42.00	LST		1.22	
43.00	LST		3.33	
44.00	LST		0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	LST		0.00	
46.00	LST		2.85	
47.00	LST		0.00	
48.00	LST		0.00	
49.00	LST		0.07	
50.00	LST		0.00	
51.00	LST		0.00	
52.00	LST		7.79	
53.00	LST		0.00	
54.00	LST		0.00	
55.00	LST		2.79	
56.00	LST		0.00	
57.00	LST		0.00	
58.00	LST		2.58	
59.00	LST		0.00	
60.00	LST		0.00	
61.00	LST		0.65	
62.00	LST		4.52	
63.00	LST		0.00	
64.00	LST		0.00	
65.00	LST		0.00	
66.00	LST		3.49	
67.00	LST		1.33	
68.00	LST		1.77	
69.00	LST		3.75	
70.00	LST		1.28	
71.00	MBL		2.72	
72.00	VOL		2.23	
73.00	VOL		2.30	
74.00	VOL		1.13	
75.00	VOL		3.03	
76.00	VOL		0.58	
77.00	VOL		3.95	
78.00	VOL		10.30	
79.00	VOL		6.35	
80.00	VOL		3.31	
81.00	VOL		3.62	
82.00	VOL		2.32	
83.00	VOL		16.00	
84.00	VOL		7.11	
85.00	VOL		3.23	
86.00	VOL		4.66	
87.00	DOL	MX	4.77	
88.00	DOL	MX	2.19	
89.00	DOL	MX	3.33	
90.00	DOL	MX	1.33	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	DOL	MX	1.86	
92.00	DOL	MX	1.64	
93.00	DOL	MX	6.64	
94.00	DOL	MX	0.98	
95.00	DOL	MX	3.45	
96.00	DOL	MX	0.00	
97.00	DOL	MX	1.62	
98.00	DOL	MX	3.88	
99.00	DOL	MX	4.99	
100.00	DOL	MX	7.11	
101.00	DOL	MX	15.70	
102.00	DOL	MX	2.90	
103.00	DOL	MX	8.96	
104.00	DOL	MX	1.02	
105.00	DOL	MX	3.97	
106.00	DOL	MX	4.57	
107.00	DOL	MX	2.12	
108.00	DOL	MX	2.15	
109.00	DOL	MX	1.42	
110.00	DOL	MX	9.11	
111.00	DOL	MX	0.76	
112.00	DOL	MX	6.80	
113.00	DOL	MX	0.69	
114.00	DOL	MX	8.07	
115.00	DOL	MX	1.20	
116.00	DOL	MX	0.78	
117.00	DOL	MX	2.30	
118.00	DOL	MX	3.12	
119.00	DOL	MX	2.47	
120.00	DOL	MX	0.86	
121.00	DOL	MX	10.40	
122.00	DOL	MX	1.93	
123.00	DOL	MX	2.81	
124.00	DOL	MX	1.24	
125.00	DOL	MX	2.69	
126.00	DOL	MX	1.90	
127.00	DOL	MX	1.22	
128.00	DOL	MX	1.86	
129.00	DOL	MX	2.30	
130.00	DOL	MX	0.87	
131.00	DOL	MX	2.45	
132.00	DOL	MX	3.33	
133.00	DOL	MX	0.64	
134.00	DOL	MX	0.21	
135.00	DOL	MX	0.82	
136.00	DOL	MX	1.09	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	DOL	MX	3.07	
138.00	DOL	MX	1.35	
139.00	DOL	MX	0.91	
140.00	DOL	MX	2.85	
141.00	DOL	MX	3.71	
142.00	DOL	MX	6.84	
143.00	DOL	MX	5.70	
144.00	DOL	MX	1.06	
145.00	DOL	MX	0.64	
146.00	DOL	MX	3.58	
147.00	DOL	MX	1.64	
148.00	DOL	MX	0.05	
149.00	DOL	MX	1.50	
150.00	DOL	MX	0.98	
151.00	DOL	MX	0.71	
152.00	DOL	MX	1.15	
153.00	DOL	MX	1.40	
154.00	DOL	MX	0.49	
155.00	DOL	MX	1.44	
156.00	DOL	MX	0.29	
157.00	DOL	MX	1.51	
158.00	DOL	MX	0.96	
159.00	DOL	MX	3.00	
160.00	DOL	MX	1.60	
161.00	MBL		2.50	
162.00	VOL		4.48	
163.00	VOL		7.64	
164.00	VOL		0.64	
165.00	VOL		1.46	
166.00	VOL		5.47	
167.00	DOL		3.58	
168.00	DOL		3.27	
169.00	MBL		0.00	
170.00	MBL		0.67	
171.00	MBL		0.40	
172.00	MBL		0.31	
173.00	MBL		2.32	
174.00	MBL		12.00	
175.00	LEP		0.18	
176.00	LEP		1.37	
177.00	LEP		0.00	
178.00	LEP		3.25	E.O.H.

DENSITY LOG

HOLE: Rau-10-117

Depth (m)	Unit	Modifier	Texture	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
				Py %	As %	Other	%							
17.00	LST	DOL	sBX	w					14.9	5.0	819.6	528.3	2.76	2.81
27.90	LST	DOL	MO						14.9	5.0	808.3	518.6	2.73	2.79
48.90	LST	DOL	sBX						15.5	5.0	845.8	545.1	2.74	2.81
60.20	LST		FO						15.3	5.0	824.1	525.2	2.71	2.76
74.50	VOL	CHL							15.2	5.0	848.0	548.4	2.80	2.83
79.80	VOL	SER		f					14.7	5.0	966.6	678.4	3.30	3.35
90.75	DOL	MX	FO	m				Tiger DOL	14.9	5.0	966.6	676.2	3.26	3.33
98.00	DOL	MX		f	f			Tiger DOL	14.8	5.0	1178.7	889.2	4.00	4.07
114.00	DOL	MX		ms	t	Po	t		14.9	5.0	1073.5	782.7	3.62	3.69
157.80	DOL	MX		m					15.2	5.0	925.9	625.6	3.06	3.08
176.20	LEP								14.5	5.0	825.1	541.6	2.86	2.91

BOX LOG

HOLE: Rau-10-117

BOX	FROM (m)	TO (m)
1	1.87	6.43
2	6.43	12.17
3	12.17	17.37
4	17.37	22.30
5	22.30	28.47
6	28.47	34.02
7	34.02	39.50
8	39.50	44.93
9	44.93	49.22
10	49.22	55.38
11	55.38	60.78
12	60.78	66.34
13	66.34	72.01
14	72.01	77.47
15	77.47	82.87
16	82.87	88.28
17	88.28	93.72
18	93.72	99.58
19	99.58	104.93
20	104.93	110.27
21	110.27	115.78
22	115.78	121.23
23	121.23	127.04
24	127.04	132.25
25	132.25	137.35
26	137.35	142.50
27	142.50	147.73
28	147.73	153.14
29	153.14	158.84
30	158.84	164.08
31	164.08	169.42
32	169.42	174.74
33	174.74	178.92
178.92 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
10+133NE	10+275NW	528416	7119335	1375	180.75

ZONE: Oxide

SECTION: 10+275NW

HOLE: **Rau-10-118**

CLAIM:

Contractor: Superior

Drill: 2

Core size: HQ

Casing depth: 3.66 m out

Drilling dates: September 11-13, 2010

Geology logged by: J. Lane

TARGET: Oxide zone

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-60.0	compass	150.27	227	-59.9	Ranger
104.55	228	-59.7	Ranger	165.51	226	-60.2	Ranger
119.79	226	-59.7	Ranger	180.70	226	-60.3	Ranger
135.03	228	-59.8	Ranger				

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	2.73	2.73	OVB	
2.73	32.35	29.62	LST	Fair DOL, strong sBX.
32.35	56.82	24.47	LST	With VOL interlayers
56.82	58.83	2.01	VOL	Moderate strong OX.
58.83	75.59	16.76	LST	Moderate strong MBL, foliated
75.59	177.70	102.11	OX	Local OX LST and VOL.
177.70	180.75	3.05	LST	Fair MBL, foliated.
180.75	E.O.H.			

SAMPLES

Numbers: I077528-I077552, I077592-I077620

Total: 54

Batch: 85, 86, 87

Date Sent: September 17, 20 2010

Certificate: VA10135267, VA10136196, VA10139130

COMMENTS

The hole was ended because it was passed the target oxide horizon.

GEOLOGY LOG

HOLE: Rau-10-118

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	Photo
0.00	2.73	2.73				OVB			Overburden - no recovery																		
2.73	32.35	29.62				LST	DOL	sBX	Medium grey to purplish grey, weakly to moderately dolomitized, fairly fossiliferous, strongly sBX LST. Fossils include mainly broken up favocites, well preserved halycites and crinoid stem fragments. A strong sBX texture is infilled with DOL dog tooth spar, a thin rim with trace bitumen then infilled with a varying mixture of quartz and calcite. This texture is occasionally overprinted by 0.5-1 cm Qz +/- Ca veinlets. Fossils are mainly preserved in the less intensely sBX LST.	VT	40			f													x
			19.80	32.35	12.55	LST	DOL	sBX	The dolomite clasts in the sBX now have a medium purplish-brown grey colouration (HEM-alteration?). The brecciation of this interval is in general less intense, but where present the brecciation is much 'clearer' with sharper, more defined contacts between clasts and DOL+/-Ca+/-Qz FG-CG matrix. Also the concentration of Qz in the matrix has decreased (to weak) with darker grey Ca infill.					f				HEM	f							x
									The lower contact is rubbly but has an increased intensity of sBX. The clasts are only 0.5-1 cm as opposed to up to 10 cm above. Below the lower contact the LST is no longer dolomitized.																		x
32.35	56.82	24.47				LST	VOL		Medium to dark grey, fossiliferous LST with 15% greenish-brown strongly calcareous VOL (?) interlayers that are quite irregular to patchy and define a weak-fair foliation at 80 deg TCA. A moderate concentration of 0.1-0.3 cm wide crinoid stem fragments are scattered throughout (including star crinoids). The entire interval is weakly to moderately rubbly.	FO	80																x
56.82	58.83	2.01				VOL	OX		Dark greenish-grey-black volcaniclastic with fair to intense oxidation to a yellow-orange-brown colour. 60% of the interval is intensely oxidized into gritty clay, while the other 40% is competent to rubbly, fairly to moderately oxidized VOL. A moderate FO occurs at 85 deg TCA.	FO	85				ms										

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
58.83	75.59	16.76				LST	MBL		Fine to medium grained medium to light grey, moderately to strongly marbleized LST with a strong strain defined FO. Trace yellow-orange oxidation stain occurs on some fractured surfaces. The unit is moderately to strongly fractured and rubbly. Towards the lower contact, the FO becomes less strong.	FO	60					t		MBL	ms								
75.59	177.70	102.11				OX			Dark red to black, yellow, or grey brown OX with intervals of intense OX LST and VOL recognizeable Variably calcareous.																	
			75.59	87.78	12.19	OX	SID		Dark red brown-black strongly siderite rich oxide grit and rubbly. The core in general holds its shape, but crumbles easily when pressed or dried. The entire interval is non-calcareous.								s										
			80.50	80.60	0.10				A coarse grained quartz vein is preserved within the oxide but quartz also occurs through the interval mainly in rubbly form.																	
			87.78	103.55	15.77	OX	LST		Medium greyish brown, strongly calcareous oxide with minor intervals of relict LST (15% overall). The oxide is most likely LST in origin and is gritty clay in composition. It holds core shape well but cracks and begins to crumble with time. The unit contains a fair concentration of quartz rubble. This rubble occurs in 10 cm concentrated zones throughout (as opposed to more evenly dispersed throughout). A weak foliation preserved in the non-clay altered LST occurs at 70 deg TCA.																	
			98.45	99.47	1.02	OX	SID		An interval within the unit is composed of more sideritic rubbly oxide. The zone is non-calcareous.								s									
			103.55	126.35	22.80	OX	SID		Dark red-brown-black strongly sideritic gritty rubbly oxide. The core holds its shape well but crumbles easily when dried. Some fractured surfaces show a bright orange clay rich component to some of the interval. Only trace Qz occurs within the interval. The upper and lower contacts are gradational over 10-50 cm.																	

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			126.35	142.65	16.30	OX	LST		Medium reddish-greyish brown, moderately to strongly calcareous, variably clay altered LST with rubbly moderately clay altered zones ~ 25% solid, 60% weak core to rubble, 15% fragile gritty rubbly clay. The more competent pieces show a weak concentration of fine grained oxidized sulphides (Py?). A very weak FO is present in a competent fragment.Both upper and lower contacts are gradational over 20-50 cm and are defined by mild colour variation and change in calcite content.	FO	55					ms												
			134.10	137.70	3.60	OX			Brick red-brown fragile core shaped oxide that crumbles easily. A moderate concentration of fine grained disseminated Py occurs on some fractured surfaces. Weak to fair cBX texture can be seen on some washed core surfaces.																		
			138.64	142.65	4.01	LST	OX		Light to medium pinkish-creamish clay coating on light grey moderately DOL LST (?). In general the unit is very fragile, crumbling easily in some zones, while it is solid in others. A fair FO occurs at 55 deg TCA.					m													
			142.65	148.68	6.03	OX	VOL		Medium brownish orange, strongly oxidized VOL The unit holds core shape but breaks apart into rubble very easily. The material consists of gritty rubbly/clay/silt. Moderate textures occur on some of the fragments. They reveal a banded texture at 50 deg to CA. Both upper and lower contacts are gradational over 20-30 cm.	FO	55					s											x
			148.68	158.80	10.12	OX	LEP		Medium orange-brown with dark brown-black and light crackly-yellow spots, that resemble the texture of the LEP volcaniclastic. Unit is core shaped but has a high silty/clay content and crumbles easily. A strong FO is recognised on clean core pieces at 65 deg TCA. The entire unit is non-calcareous. The interval within is a medium greenish brown colour with a faint spotted pattern (may be a VOL that is less LEP spotted).																	x
			158.80	177.70	18.90	OX	SID		Dark reddish brown black strongly sideritic, strongly rubbly to gritty oxide with minor 5-10 cm intervals of solid vuggy dense siderite. The core only barely holds core shape cracking and crumbling easily when touched or dried. No structural orientations can be obtained in this unit. The lower contact is sharp, but occurs at a block so does not contain any structural information.	ICN							s											x

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
177.70	180.75	3.05				LST	FOS		Medium grey, weakly to fairly fossiliferous, highly strained, fairly to weakly marbleized LST. Fossils include crinoid stem fragments (often broken up by strain). A strong FO is defined by strain at 60 deg TCA. Trace orange oxidation stain occurs on some fractures.							t		MBL	f									x
									180.75 m: E.O.H - The hole was ended because the target depth was passed.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-118

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
54.25	55.78	1.53	LST		1.53	100	I077528	85					
55.78	58.83	3.05	OX	VOL	2.07	68	I077529	85					
58.83	61.87	3.04	LST		2.47	81	I077530	85					
71.02	74.07	3.05	LST		2.56	84	I077531	85					
-	-	-	-	-	-	-	I077532	85					Standard ROS-1
74.07	75.59	1.52	LST		0.64	42	I077533	85					
75.59	78.64	3.05	OX	SID	2.55	84	I077534	85					
78.64	81.69	3.05	OX	SID	2.37	78	I077535	85					81.69-83.21 m: No recovery.
83.21	84.73	1.52	OX	SID	1.04	68	I077536	85					
-	-	-	-	-	-	-	I077537	85					Blank (HQ)
84.73	87.78	3.05	OX	SID	2.38	78	I077538	85					Duplicate
84.73	87.78	3.05	OX	SID	2.38	78	I077539	85					
87.78	90.83	3.05	OX	LST	2.50	82	I077540	85					
90.83	93.88	3.05	OX	LST	2.84	93	I077541	85					
93.88	96.93	3.05	OX	LST	2.28	75	I077542	85					
96.93	98.45	1.52	OX	LST	2.33	153	I077543	85					
98.45	99.97	1.52	OX	LST	1.22	80	I077544	85					
99.97	101.50	1.53	OX	LST	1.47	96	I077545	85					
-	-	-	-	-	-	-	I077546	85					Standard ROS-3
101.50	103.55	2.05	OX		1.00	49	I077547	85					
103.55	106.07	2.52	OX	SID	1.96	78	I077548	85					
106.07	109.12	3.05	OX	SID	2.69	88	I077549	85					
109.12	112.17	3.05	OX	SID	2.90	95	I077550	85					
112.17	115.21	3.04	OX	SID	2.86	94	I077551	86					Change in sequence
115.21	118.27	3.06	OX	SID	2.76	90	I077552	86					
118.27	121.31	3.04	OX	LST	2.87	94	I077592	87					
121.31	124.36	3.05	OX	LST	2.54	83	I077593	87					
124.36	125.88	1.52	OX	LST	1.46	96	I077594	87					
-	-	-	-	-	-	-	I077595	87					Blank (HQ)
125.88	127.41	1.53	OX	LST	1.39	91	I077596	87					
127.41	130.45	3.04	OX	LST	2.86	94	I077597	87					
130.45	133.50	3.05	OX	LST	2.92	96	I077598	87					

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
133.50	136.55	3.05	OX	LST	2.92	96	I077599	87					
136.55	138.07	1.52	OX	LST	1.52	100	I077600	87					
138.07	141.12	3.05	OX	VOL	2.93	96	I077601	87					
141.12	142.65	1.53	OX	VOL	1.51	99	I077602	87					
-	-	-	-	-	-	-	I077603	87					Standard ROS-2
142.65	145.69	3.04	OX	VOL	2.32	76	I077604	87					
145.69	148.74	3.05	OX	VOL	2.82	92	I077605	87					
148.74	151.79	3.05	OX	VOL	2.67	88	I077606	87					
151.79	154.84	3.05	OX	VOL	3.00	98	I077607	87					
154.84	156.36	1.52	OX	VOL	1.19	78	I077608	87					
156.36	157.89	1.53	OX	VOL	1.53	100	I077609	87					
157.89	159.41	1.52	OX	VOL	1.37	90	I077610	87					
159.41	162.46	3.05	OX	VOL	2.54	83	I077611	87					
162.45	165.51	3.06	OX	SID	2.03	66	I077612	87					
162.46	165.51	3.05	OX	SID	2.03	67	I077613	87					
-	-	-	-	-	-	-	I077614	87					Blank (HQ)
165.51	168.55	3.04	OX	SID	1.48	49	I077615	87					
168.55	171.60	3.05	OX	SID	2.34	77	I077616	87					
171.60	174.65	3.05	OX	SID	1.61	53	I077617	87					
-	-	-	-	-	-	-	I077618	87					Standard ROS-4
174.65	177.70	3.05	OX	SID	2.46	81	I077619	87					
177.70	180.75	3.05	LST	MBL	2.77	91	I077620	87					
180.75	E.O.H.												

GEOTECHNICAL LOG

HOLE: Rau-10-118

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
2.83	3.96	1.13	0.77	68	0.00	0				
3.96	5.49	1.53	1.20	78	0.12	8				
5.49	7.01	1.52	1.40	92	0.23	15				
7.01	8.53	1.52	1.21	80	0.18	12				
8.53	10.06	1.53	1.47	96	0.57	37				
10.06	11.58	1.52	1.52	100	1.00	66				
11.58	13.11	1.53	1.40	92	1.12	73				
13.11	14.63	1.52	1.52	100	1.09	72				
14.63	16.15	1.52	1.43	94	0.40	26				
16.15	17.68	1.53	1.30	85	0.45	29				
17.68	19.20	1.52	1.46	96	0.30	20				
19.20	20.73	1.53	1.48	97	0.70	46				
20.73	22.25	1.52	1.46	96	0.19	13				
22.25	23.77	1.52	1.20	79	0.63	41				
23.77	25.30	1.53	1.32	86	0.40	26				
25.30	26.82	1.52	1.18	78	0.26	17				
26.82	28.35	1.53	1.38	90	0.58	38				
28.35	29.87	1.52	0.58	38	0.12	8				
29.87	31.39	1.52	0.49	32	0.00	0				
31.39	32.92	1.53	1.38	90	0.80	52				
32.92	34.44	1.52	1.40	92	0.14	9				
34.44	35.97	1.53	1.21	79	0.17	11				
35.97	37.49	1.52	1.41	93	0.15	10				
37.49	39.01	1.52	1.39	91	0.12	8				
39.01	40.54	1.53	0.95	62	0.17	11				
40.54	42.06	1.52	1.47	97	0.13	9				
42.06	43.59	1.53	1.26	82	0.00	0				
43.59	45.11	1.52	1.27	84	0.00	0				
45.11	46.63	1.52	0.37	24	0.00	0				
46.63	48.16	1.53	0.35	23	0.00	0				
48.16	49.68	1.52	1.07	70	0.11	7				
49.68	51.21	1.53	1.25	82	0.15	10				
51.21	52.73	1.52	1.30	86	0.18	12				
52.73	54.25	1.52	1.12	74	0.35	23				
54.25	55.78	1.53	0.70	46	0.10	7				
55.78	57.30	1.52	0.81	53	0.00	0				
57.30	58.83	1.53	1.26	82	0.00	0				
58.83	60.35	1.52	1.05	69	0.00	0				
60.35	61.87	1.52	1.42	93	0.18	12				
61.87	63.40	1.53	0.90	59	0.15	10				
63.40	64.92	1.52	1.44	95	0.00	0				
64.92	66.45	1.53	1.47	96	0.00	0				
66.45	67.97	1.52	0.98	64	0.00	0				
67.97	69.49	1.52	1.52	100	0.19	13				
69.49	71.02	1.53	0.85	56	0.00	0				
71.02	72.54	1.52	1.22	80	0.29	19				
72.54	74.07	1.53	1.34	88	1.11	73				
74.07	75.59	1.52	0.64	42	0.27	18				
75.59	77.11	1.52	1.09	72	0.00	0	ew	ew	5YR3/4	
77.11	78.64	1.53	1.46	95	0.00	0	ew	ew	5YR4/3	
78.64	80.16	1.52	1.14	75	0.00	0	ew	ew	5YR4/3	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
80.16	81.69	1.53	1.23	80	0.00	0	ew	ew	5YR5/4	
81.69	83.21	1.52	0.00	0	0.00	0	ew	ew		NO RECOVERY
83.21	84.73	1.52	1.04	68	0.00	0	ew	ew	5YR4/4	
84.73	86.26	1.53	1.22	80	0.00	0	ew	ew	5YR4/4	
86.26	87.78	1.52	1.16	76	0.00	0	ew	ew	5YR4/4	
87.78	89.31	1.53	1.53	100	0.25	16	ew	ew	5YR3/4	
89.31	90.83	1.52	0.97	64	0.00	0	ew	ew	5YR5/4	
90.83	92.35	1.52	1.45	95	0.00	0	ew	ew	10YR5/3	
92.35	93.88	1.53	1.37	90	0.00	0	ew	ew	10YR5/4	
93.88	95.40	1.52	1.24	82	0.00	0	ew	ew	10YR5/4	
95.40	96.93	1.53	1.04	68	0.47	31	ew	ew		
96.93	98.45	1.52	1.11	73	0.00	0	ew	ew		
98.45	99.97	1.52	1.22	80	0.00	0	ew	ew	5YR3/5	
99.97	101.50	1.53	1.47	96	0.00	0	ew	ew	7.5YR5/3	
101.50	103.02	1.52	1.06	70	0.00	0	ew	ew	7.5YR4/6	
103.02	104.55	1.53	1.40	92	0.00	0	ew	ew	5YR4/4	
104.55	106.07	1.52	0.56	37	0.00	0	ew	ew	5YR4/2	
106.07	107.59	1.52	1.22	80	0.00	0	ew	ew	5YR4/3	
107.59	109.12	1.53	1.39	91	0.00	0	ew	ew	5YR4/3	
109.12	110.64	1.52	1.43	94	0.00	0	ew	ew	5YR4/4	
110.64	112.17	1.53	1.47	96	0.00	0	ew	ew	5YR4/4	
112.17	113.69	1.52	1.37	90	0.00	0	ew	ew	5YR3/4	
113.69	115.21	1.52	1.49	98	0.00	0	ew	ew	5YR3/4	
115.21	116.74	1.53	1.32	86	0.00	0	ew	ew	5YR3/2	
116.74	118.27	1.53	1.44	94	0.00	0	ew	ew	7.5YR3/4	
118.27	119.79	1.52	1.42	93	0.00	0	ew	ew	7.5YR4/6	
119.79	121.31	1.52	1.45	95	0.00	0	ew	ew	2.5YR4/4	
121.31	122.83	1.52	1.36	89	0.00	0	ew	ew	2.5YR4/6	
122.83	124.36	1.53	1.18	77	0.00	0	ew	ew	2.5YR4/6	
124.36	125.88	1.52	1.46	96	0.00	0	ew	ew	5YR4/6	
125.88	127.41	1.53	1.39	91	0.00	0	ew	ew	5YR4/6	
127.41	128.93	1.52	1.34	88	0.00	0	ew	ew	5YR4/4	
128.93	130.45	1.52	1.52	100	0.39	26	ew	ew	5YR4/3	
130.45	131.98	1.53	1.44	94	0.17	11	ew	ew	2.5YR4/4	
131.98	133.50	1.52	1.48	97	0.00	0	ew	ew	7.5YR5/6	
133.50	135.03	1.53	1.52	99	0.55	36	ew	ew	2.5YR3/6	
135.03	136.55	1.52	1.40	92	0.00	0	ew	ew	2.5YR3/6	
136.55	138.07	1.52	1.52	100	0.00	0	ew	ew	2.5YR4/6	
138.07	139.60	1.53	1.53	100	0.14	9	ew	ew	7.5YR7/6	
139.60	141.12	1.52	1.40	92	0.51	34	ew	ew	7.5YR6/6	
141.12	142.65	1.53	1.51	99	0.00	0	ew	ew	10YR7/6	
142.65	144.17	1.52	0.93	61	0.00	0	ew	ew	10YR6/8	
144.17	145.69	1.52	1.39	91	0.00	0	ew	ew	7.5YR5/6	
145.69	147.22	1.53	1.42	93	0.00	0	ew	ew	7.5YR5/6	
147.22	148.74	1.52	1.40	92	0.00	0	ew	ew	7.5YR6/8	
148.74	150.27	1.53	1.27	83	0.00	0	ew	ew	7.5YR5/8	
150.27	151.79	1.52	1.40	92	0.00	0	ew	ew	7.5YR5/6	
151.79	153.31	1.52	1.48	97	0.00	0	ew	ew	7.5YR6/6	
153.31	154.84	1.53	1.52	99	0.00	0	ew	ew	7.5yr6/8	
154.84	156.36	1.52	1.19	78	0.00	0	ew	ew	5YR5/3	
156.36	157.89	1.53	1.53	100	0.00	0	ew	ew	7.5YR5/6	
157.89	159.41	1.52	1.37	90	0.00	0	ew	ew	5YR5/6	
159.41	160.93	1.52	1.39	91	0.00	0	ew	ew	5YR4/6	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
160.93	162.46	1.53	1.15	75	0.00	0	ew	ew	5YR4/6	
162.46	163.98	1.52	1.12	74	0.00	0	ew	ew	5YR4/6	
163.98	165.51	1.53	0.91	59	0.00	0	ew	ew	5YR4/6	
165.51	167.03	1.52	0.95	62	0.00	0	ew	ew	5YR4/4	
167.03	168.55	1.52	0.53	35	0.00	0	ew	ew	2.5YR3/6	
168.55	170.08	1.53	1.20	78	0.00	0	ew	ew	2.5YR4/8	
170.08	171.60	1.52	1.14	75	0.00	0	ew	ew	2.5YR4/8	
171.60	173.13	1.53	0.83	54	0.16	10	ew	ew	2.5YR4/4	
173.13	174.65	1.52	0.78	51	0.00	0	ew	ew	2.5YR4/6	
174.65	176.17	1.52	1.38	91	0.00	0	ew	ew	2.5YR3/6	
176.17	177.70	1.53	1.08	71	0.00	0	ew	ew	2.5YR3/6	
177.70	179.22	1.52	1.26	83	1.09	72	ms	fr		
179.22	180.75	1.53	1.51	99	1.48	97	ms	fr		
180.75	E.O.H.									

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-118

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00				
2.00				
3.00	LST	DOL	0.00	
4.00	LST	DOL	0.00	
5.00	LST	DOL	0.00	
6.00	LST	DOL	0.00	
7.00	LST	DOL	1.04	
8.00	LST	DOL	3.29	
9.00	LST	DOL	1.34	
10.00	LST	DOL	3.36	
11.00	LST	DOL	0.45	
12.00	LST	DOL	0.18	
13.00	LST	DOL	1.10	
14.00	LST	DOL	3.98	
15.00	LST	DOL	0.72	
16.00	LST	DOL	0.75	
17.00	LST	DOL	1.71	
18.00	LST	DOL	0.30	
19.00	LST	DOL	0.16	
20.00	LST	DOL	0.65	
21.00	LST	DOL	0.00	
22.00	LST	DOL	0.00	
23.00	LST	DOL	1.68	
24.00	LST	DOL	0.00	
25.00	LST	DOL	0.00	
26.00	LST	DOL	0.00	
27.00	LST	DOL	0.00	
28.00	LST	DOL	0.00	
29.00	LST	DOL	2.90	
30.00	LST	DOL	0.00	
31.00	LST	DOL	6.33	
32.00	LST	DOL	1.47	
33.00	LST	VOL	0.90	
34.00	LST	VOL	0.00	
35.00	LST	VOL	0.00	
36.00	LST	VOL	0.00	
37.00	LST	VOL	0.00	
38.00	LST	VOL	0.89	
39.00	LST	VOL	0.00	
40.00	LST	VOL	0.00	
41.00	LST	VOL	0.00	
42.00	LST	VOL	0.00	
43.00	LST	VOL	1.94	
44.00	LST	VOL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	LST	VOL	0.21	
46.00	LST	VOL	0.80	
47.00	LST	VOL	n/a	
48.00	LST	VOL	0.11	
49.00	LST	VOL	0.00	
50.00	LST	VOL	0.18	
51.00	LST	VOL	0.00	
52.00	LST	VOL	0.00	
53.00	LST	VOL	0.18	
54.00	LST	VOL	1.07	
55.00	LST	VOL	0.00	
56.00	LST	VOL	n/a	
57.00	VOL		5.71	
58.00	VOL		5.09	
59.00	LST	MBL	2.16	
60.00	LST	MBL	0.00	
61.00	LST	MBL	0.00	
62.00	LST	MBL	0.01	
63.00	LST	MBL	0.00	
64.00	LST	MBL	0.06	
65.00	LST	MBL	1.99	
66.00	LST	MBL	0.68	
67.00	LST	MBL	0.60	
68.00	LST	MBL	6.70	
69.00	LST	MBL	0.00	
70.00	LST	MBL	0.21	
71.00	LST	MBL	0.28	
72.00	LST	MBL	0.10	
73.00	LST	MBL	3.74	
74.00	LST	MBL	6.43	
75.00	LST	MBL	0.08	
76.00	OX		10.10	
77.00	OX		7.77	
78.00	OX		3.62	
79.00	OX		8.64	
80.00	OX		1.34	
81.00	OX		3.98	
82.00	OX		n/a	
83.00	OX		n/a	
84.00	OX		3.88	
85.00	OX		3.84	
86.00	OX		7.34	
87.00	OX		6.19	
88.00	OX		7.35	
89.00	OX		5.27	
90.00	OX		0.40	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	OX		1.96	
92.00	OX		2.30	
93.00	OX		4.88	
94.00	OX		1.35	
95.00	OX		3.09	
96.00	OX		5.84	
97.00	OX		5.39	
98.00	OX		1.96	
99.00	OX		10.50	
100.00	OX		10.10	
101.00	OX		3.10	
102.00	OX		0.48	
103.00	OX		8.45	
104.00	OX		4.30	
105.00	OX		2.45	
106.00	OX		7.52	
107.00	OX		6.88	
108.00	OX		3.79	
109.00	OX		5.84	
110.00	OX		3.00	
111.00	OX		5.87	
112.00	OX		4.37	
113.00	OX		2.99	
114.00	OX		4.50	
115.00	OX		2.06	
116.00	OX		3.71	
117.00	OX		3.22	
118.00	OX		3.91	
119.00	OX		2.46	
120.00	OX		2.68	
121.00	OX		6.35	
122.00	OX		10.40	
123.00	OX		8.08	
124.00	OX		11.20	
125.00	OX		9.64	
126.00	OX		15.40	
127.00	OX		9.35	
128.00	OX		9.69	
129.00	OX		6.73	
130.00	OX		6.45	
131.00	OX		7.19	
132.00	OX		9.29	
133.00	OX		7.03	
134.00	OX		8.03	
135.00	OX		8.83	
136.00	OX		7.40	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	OX		9.07	
138.00	OX		14.20	
139.00	OX		9.42	
140.00	OX		7.22	
141.00	OX		8.11	
142.00	OX		5.39	
143.00	OX		7.94	
144.00	OX		6.43	
145.00	OX		12.70	
146.00	OX		9.22	
147.00	OX		6.51	
148.00	OX		10.50	
149.00	OX		5.46	
150.00	OX		8.18	
151.00	OX		5.86	
152.00	OX		16.90	
153.00	OX		10.20	
154.00	OX		8.34	
155.00	OX		3.74	
156.00	OX		6.35	
157.00	OX		8.33	
158.00	OX		6.93	
159.00	OX		7.76	
160.00	OX		7.35	
161.00	OX		6.55	
162.00	OX		8.46	
163.00	OX		4.33	
164.00	OX		8.71	
165.00	OX		7.22	
166.00	OX		7.13	
167.00	OX		7.00	
168.00	OX		8.82	
169.00	OX		8.63	
170.00	OX		4.65	
171.00	OX		16.20	
172.00	OX		9.15	
173.00	OX		15.60	
174.00	OX		10.30	
175.00	OX		3.00	
176.00	OX		8.19	
177.00	OX		5.42	
178.00	LST		8.00	
179.00	LST		14.00	
180.00	LST		11.40	
181.00	LST		5.96	E.O.H.

DENSITY LOG

HOLE: Rau-10-118

Depth (m)	Unit	Modifier	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
			Py %	As %	Other	%							
77.20	OX	SID					Rubbly, gritty dark brown siderite	15.3	6.1	1220.5	-	2.76	-
83.80	OX	SID					Organge-red ocide with siderite blocks and gritty clay	15.3	6.1	984.8	-	2.23	-
102.50	OX						Yellow-brown oxide	15.6	6.1	944.7	-	2.09	-
116.50	OX						Dark brown grit	14.9	6.1	899.9	-	2.09	-
100.70	OX	VOL					Pale greenish grey - 10:45 AM	14.4	6.1	1059.4	-	2.54	-
							11:50 AM	14.4	6.1	916.3	-	2.20	-
							12:45 PM	14.4	6.1	899.2	-	2.16	-
							1:50 PM	14.4	6.1	898.7	-	2.16	-
							2:30 PM	14.4	6.1	899.0	-	2.16	-
119.10	OX						Medium to dark orange brown - 10:45 AM	14.5	6.1	825.3	-	1.97	-
							11:50 AM	14.5	6.1	626.9	-	1.50	-
							12:45 PM	14.5	6.1	553.5	-	1.32	-
							1:50 PM	14.5	6.1	523.3	-	1.25	-
							2:30 PM	14.5	6.1	520.8	-	1.24	-
								14.5	6.1	518.8	-	1.24	-
153.50	OX	VOL					oxidized leopard - 2.10 PM	14.4	6.1	931.0	-	2.24	-
							3:10 PM	14.4	6.1	790.0	-	1.90	-
							4:10 PM	14.4	6.1	797.3	-	1.91	-
							5:10 PM	14.4	6.1	732.1	-	1.76	-
							7:30 PM	14.4	6.1	730.9	-	1.76	-
174.75	OX	SID					Coarse, rubbly siderite - 2.10 PM	14.3	6.1	1106.4	-	2.68	-
							3:10 PM	14.3	6.1	961.4	-	2.32	-
							4:10 PM	14.3	6.1	917.2	-	2.22	-
							5:10 PM	14.3	6.1	909.9	-	2.20	-
							7:30 PM	14.3	6.1	907.4	-	2.19	-

HOLE: Rau-10-118

Box #	Diameter (cm)	From (m)	To (m)	Unit	Modifier	Recovery	Weight	Density	Comments
19	6.1	79.01	84.73			2.90	56.5	3.06	
20	6.1	84.73	89.31			3.92	60.5	2.42	
21	6.1	89.32	93.88			3.70	58.5	2.48	
22	6.1	93.88	98.45	OX	LST	3.26	54.5	2.62	
23	6.1	98.45	102.98			3.72	55.5	2.34	
24	6.1	102.98	107.73	OX		3.44	48.5	2.21	
25	6.1	107.73	111.70	OX	SID	3.83	58.5	2.40	
28	6.1	120.16	124.62	OX		3.75	52.5	2.20	
29	6.1	124.62	128.74	OX	LST	3.58	54.5	2.39	
30	6.1	128.74	132.51	OX	LST	3.05	57.5	2.96	
31	6.1	132.51	136.55	OX	VOL	3.62	55.5	2.40	
32	6.1	136.55	140.61	OX	VOL	3.85	59.5	2.42	
33	6.1	140.16	144.76	OX	VOL	3.39	49.5	2.29	
34	6.1	144.76	148.74	OX	VOL	3.53	54.5	2.42	
35	6.1	148.74	152.78	OX	VOL	3.74	54.5	2.29	
36	6.1	152.78	165.92	OX	VOL	3.60	54.5	2.37	
37	6.1	156.92	160.93	OX	VOL	3.76	54.5	2.27	
38	6.1	160.93	165.51	OX	SID	3.13	58.5	2.93	
39	6.1	165.51	170.30	OX	SID	3.76	53.5	2.23	
40	6.1	170.30	175.09	OX	SID	3.04	58.5	3.02	

BOX LOG

HOLE: Rau-10-118

BOX	FROM (m)	TO (m)
1	2.83	6.80
2	6.80	10.63
3	10.63	14.63
4	14.63	18.60
5	18.60	22.42
6	22.42	26.82
7	26.82	32.01
8	32.01	35.95
9	35.95	39.01
10	39.01	43.28
11	43.28	49.00
12	49.00	52.73
13	52.73	57.52
14	57.52	61.87
15	61.87	65.67
16	65.67	69.49
17	69.49	74.07
18	74.07	79.01
19	79.01	84.73
20	84.73	89.31
21	89.31	93.88
22	93.88	98.45
23	98.45	102.98
24	102.98	107.73
25	107.73	111.70
26	111.70	115.69
27	115.69	120.16
28	120.16	124.62
29	124.62	128.74
30	128.74	132.51
31	132.51	136.55
32	136.55	140.61
33	140.61	144.76
34	144.76	148.74
35	148.74	152.78

BOX	FROM (m)	TO (m)
36	152.78	156.92
37	156.92	60.93
38	160.93	165.51
39	165.51	170.30
40	170.30	175.09
41	175.09	179.75
42	179.75	180.75
180.75 m - E.O.H.		

RAU PROPERTY

	Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
ZONE: Tiger	10+071NE	09+965NW	528586	7119073	1295	212.45

SECTION: 09+965NW

HOLE: **Rau-10-119**

CLAIM:

Contractor: Superior

Drill: 3

Core size: NQ

Casing depth: 3.05 m out

Drilling dates: September 11-12, 2010

Geology logged by: K. Wynne

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-73.0	compass	151.49	229	-70.7	Ranger
14.33	229	-72.0	Ranger	166.73	231	-70.8	Ranger
44.81	230	-71.9	Ranger	181.97	229	-70.9	Ranger
105.77	230	-70.6	Ranger	212.43	230	-70.7	Ranger

TARGET: Tiger sulphide zone

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	1.36	1.36	OVB	
1.36	73.60	72.24	LST	Moderate DOL.
73.60	75.54	1.94	MBL	
75.54	108.17	32.63	VOL	Strong SER, fair BIO.
108.17	118.86	10.69	LST	Strong DOL, sBX.
118.86	196.10	77.24	DOL	Moderate strong Py MX.
196.10	198.03	1.93	VOL	Strong BIO and CHL.
198.03	212.45	14.42	LEP	Strong CHL.
212.45	E.O.H.			

SAMPLES

Numbers: I077523-I077527, I077553-I077591

Total: 44

Batch: 86, 87

Date Sent: September 20 2010

Certificate: VA10136196, VA10139130

COMMENTS

The hole was ended because it had reached its target depth.

GEOLOGY LOG

HOLE: Rau-10-119

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	1.36	1.36				OVB			Overburden - no recovery																		
1.36	73.60	72.24				LST			Medium to dark grey LST, variably DOL and brecciated by FG to MG DOL and FG Ca. Locally intensely OX. sBX to mBX locally of dark grey LST with medium grey LST matrix. Toward lCN have increasing MBL, and SER VOL rich layers. FOS begins down interval.					m		w											
			1.36	10.73	9.37	LST	DOL	cBX	Medium to dark grey LST, sBX by FG to MG DOL and FG Ca, generally expressed as medium grey clasts with MG DOL rim. Overprinted by cBX by dark grey calcareous seams which form DOL clasts. Interval fair DOL, with local light grey and dark grey sBX texture.					f													
			10.73	23.67	12.94	LST	DOL	sBX	Medium grey moderate DOL, intensely sBX LST with local minor cBX. sBX FG to MG DOL, forming matrix with medium grey irregularly shaped, often elongate clasts or as thin irregular layers in LST. Interval locally OX to a dark orange brown on FX, through thin seams, and through intervals. Trace Py in patches near DOL.					m		f					t							
			13.14	14.33	1.19	LST	OX		Dark orange brown OX pervasive through interva and coating core. Strongly calcareous, locally DOL. Locally dark brown SID, mostly OX. OX in VT and FX surrounding interval.					f		s	t										
			23.67	27.87	4.20	LST			Medium grey moderate DOL LST with local thin sBX of FG DOL crystals and irregular dark grey clasts. Remainder of interval unbrecciated, with DOL and SID VT to VN at various angles, and zones < 25 cm of SID/OX, variably calcareous. Local bright orange VT may be SMI based on colour.					m		f	m										
			27.87	33.50	5.63	LST			Medium to dark grey LST, fair DOL, with moderate sBX to mBX by DOL/Ca. Dark grey LST is mBX to sBX by medium grey LST; locally the dark grey clasts are strong SIL.					f													
			33.50	40.39	6.89	LST	DOL	sBX	Medium grey LST intensely sBX by FG to MG DOL forming grey clasts in DOL matrix, or irregular DOL growths in LST. Qz often in central cavity of DOL growths. Light and dark grey sBX texture common in LST.					i													
			40.39	46.43	6.04	LST			Medium to dark grey LST with irregular layers of medium and dark LST. FOS begins with rugose and unknown corals visible. Local SIL. 25 cm Qz VN with measurable lCN. Not sBX.	VN	55															

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			46.43	48.65	2.22	LST	DOL		Medium grey LST, moderate DOL, with strong sBX by FG to CG DOL. Light orange to pink OX and HEM through DOL (ANK?) locally. LST has FG white FOS remnants within, crinoids identifiable.					m	f	w		HEM	w									
			48.65	50.00	1.35	LST	MX		Medium grey LST, fair DOL and moderate SIL, with Qz VN < 10 cm thick, irregular, with semi-massive Py. Cross-cuts foliation. Py vFG, green brassy, strong overall.	FO	55			f				SIL	m	s							
			50.00	52.43	2.43	LST	DOL		Medium to dark grey moderate DOL LST with dark grey and medium grey interlayers. Medium grey layers fossiliferous, with crinoids visible. Trace vFG Py in dark grey layers.					m						t								
			52.43	58.32	5.89	LST			Dark to medium grey LST, intensely sBX by DOL forming irregular layers and matrix. sBX of dark grey and light grey LST					s													
			58.32	62.80	4.48				Light to medium grey LST with MG Ca/DOL crystals in layers separated by vFG dark grey to light buff green VOL layers, increasingly SER altered down interval. Weak Py as vFG layers on rims of VOL rich layers. Light grey layers variably DOL. Increasing Pc down interval, vFG, with Py. Trace MG As crystals disseminated. Rugose and crinoid FOS visible.					s						w	t	t						
			62.80	73.60	10.80	LST			Medium to dark grey LST, locally intense MBL. FOS over first 2 m, with dark grey to black weakly calcareous irregular layers between MBL FOS patches. Remainder of interval has FO defined by medium grey MBL and less calcareous dark grey interlayers. Trace FG bright brassy Py disseminated. In intense MBL, weak SER of dark grey layers.	FO	45							MBL	ms	t							
73.60	75.54	1.94				MBL			Light grey to white MBL with SER and BIO in thin layers, light brown to buff green. lCN and uCN gradational on FO. Trace FG to MG bright disseminated Py.	FO	40							SER	t	t							
																		BIO	t								
75.54	108.17	32.63				VOL			Medium grey, light green and buff, and dark brown, BIO and SER VOL, variably calcareous. Locally magnetic, and with conglomeritic subintervals.									SER	s									
																		BIO	f								

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	Photo
			75.54	80.32	4.78	VOL	SER		Dark brown to buff green, strong BIO and intense SER VOL, with strong Ca VT and vFG Ca spots associated with BIO patches. After 78.20 m, interval increasingly magnetic due to FG Mg gradationally increasing toward lCN. Ca VT and BIO layers follow general FO. Trace Py, vFG in small patches and disseminated.	FO	55							SER	i	t			Mg	t			
																		BIO	s								
			80.32	83.72	3.40	VOL	Mg	CGL	Medium grey and green buff magnetic pebble conglomerate locally with calcareous matrix. Clasts light to dark grey, locally light pink, non-calcareous, very magnetic. Matrix variably SER altered VOL with < 10 cm intervals of calcareous matrix with Mg rims on clasts. Trace FG Py disseminated and in Ca VT rims.	FO	50							SER	m	t			Mg	f			
			83.72	88.85	5.13	VOL	SER		Grey to green grey intense SER magnetic VOL with Ca blebs and VT rimmed by CHL/BIO elongate on FO. < 0.5 cm subrounded medium grey and dark grey areas, likely FG CGL, decreases down interval.									SER	i				Mg	f			
																		BIO	w								
			88.85	91.94	3.09	VOL	BIO		Dark brown intensely Ca fair CHL to strong BIO VOL, with Ca was vFG spots to < 1 cm patches and VT. Trace Py in Ca VT and disseminated. Brassy and weakly OX locally. Grades from moderate to intense BIO down interval. Non-magnetic.									BIO	s	t							
																		CHL	f								
			91.94	97.13	5.19	VOL			Buff green and brown intense SER and strong BIO Vol, BIO associated with vFG Ca spots. Non-magnetic. Fair Py as FG to MG disseminations and bands < 5 cm. Brassy.	FO	50							SER	i	f							
																		BIO	s								
			97.13	100.60	3.47	VOL	SER		Buff green SER VOL with BIO layers and rounded clasts of Ca/BIO; Appears to be CGL. Clasts locally appear more like alteration layers, particularly after 99.67 m. Fair FG to MG Py disseminated and in layers, focused in BIO/Ca layers.									SER	s	f							
																		BIO	m								
			100.60	106.51	5.91	VOL	SER		Light blue green grey with light yellow and bright blue, intense SER and trace Fu. SER variably coloured, weak to strong SIL. Weak FG to CG Py in layer and patches associated with Ca.									SER	i	w			Fu	t			
																		SIL	f								

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			106.51	108.17	1.66	VOL	CGL		Medium grey FO VOL (ARG?) with weakly SER elongate clasts and Ca/DOL FG spots. Clasts irregularly shaped, matrix generally non-calcareous. Trace FG to MG bright brassy Py in patches with Ca and disseminated. Sharp uCN with intense SER VOL, gradational lCN with intense DOL LST. Possible debris flow?	FO	50							SER	t	t						
108.17	118.86	10.69				LST	DOL	sBX	Medium to light grey, strong DOL LST, with FG to MG DOL/Ca, and pervasive sBX. Locally cBX by dark grey overprinted seams. Very gradational lCN into DOL. Local fair MBL, and thin dark grey layers and clasts of weak SER VOL. Intensely calcareous zones associated with talc and Qz. FG to MG Py and Po disseminated, replace dark VOL layers, and on VT rims.					s						w		w					
118.86	196.10	77.24				DOL	MX		Light grey to white FG to vCG DOL with Qz/Ca/Tc locally intense, ad with dark grey to brown weak SER layers, locally up to 10 cm thick. Moderate strong FG to MG Py in layers defining FO and disseminated. Weak Dark silver grey As after ~ 121 m associated with and overprinted by Py. FG to CG disseminated and layered Po weak in first ~ 6 m, decreasing to trace, overprinted by Py. Trace bismuthinite at 160.59, overprinted by Py. FO changes from ~ 50 to 40 degrees down interval, with decreased Qz/Ca.	FO	45									ms	w	t	Bs	t			
			172.90	177.75	4.85	VN	Tc		~ 6 cm talc VN which cut MX with Ca rims. Variably oriented, light milky green.																	
196.10	198.03	1.93				VOL			Dark brown and dark blue grey strong BIO and CHL VOL, with FG Py defining FO with patchy layers. Intense BIO and weak SER at top of interval grades into intense CHL and fair BIO at lCN. Qz/Ca VT irregular. Sharp uCN at 30 degrees. lCN has gradational CHL increase, and sharp Ca increase on FO.	uCN	30							BIO	s	t						
										FO	50									CHL	s						
198.03	212.45	14.42				LEP			Dark blue grey strong CHL intense Ca VOL; LEP. Ca as irregular patches FG to ~ 1 cm wide, forming ~ 60% of rock locally. Layers < 25 cm of non-calcareous VOL.											CHL	s						

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									212.45 m; E.O.H. - The hole was ended because target tiger zone horizon was passed.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-119

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
13.14	14.33	1.19	LST	DOL	0.76	64	I077523	85					
23.67	26.73	3.06	LST	DOL	2.50	82	I077524	85					
46.43	48.65	2.22	LST	DOL	2.02	91	I077525	85					
48.65	50.00	1.35	LST	DOL	1.32	98	I077526	85					
50.00	53.00	3.00	LST	DOL	2.90	97	I077527	85					
101.00	104.00	3.00	VOL		3.00	100	I077553	86					
104.00	106.51	2.51	VOL		2.37	94	I077554	86					
106.51	108.00	1.49	VOL		1.54	103	I077555	86					
108.00	111.00	3.00	LST	DOL	2.76	92	I077556	86					
-	-	-	-	-	-	-	I077557	86					Standard RSS-5
111.00	114.00	3.00	LST	DOL	2.81	94	I077558	86					
114.00	116.00	2.00	LST	DOL	1.88	94	I077559	86					
116.00	118.86	2.86	LST	DOL	2.80	98	I077560	86					
118.86	121.01	2.15	DOL	MX	2.08	97	I077561	86					
121.01	124.05	3.04	DOL	MX	3.04	100	I077562	86					
121.01	124.05	3.04	DOL	MX	3.04	100	I077563	86					Duplicate
124.05	127.10	3.05	DOL	MX	3.05	100	I077564	86					
127.10	130.15	3.05	DOL	MX	3.05	100	I077565	86					
130.15	133.20	3.05	DOL	MX	3.05	100	I077566	86					
133.20	136.25	3.05	DOL	MX	2.99	98	I077567	86					
-	-	-	-	-	-	-	I077568	86					Blank NQ
136.25	139.29	3.04	DOL	MX	3.04	100	I077569	86					
139.29	142.34	3.05	DOL	MX	3.05	100	I077570	86					
142.34	145.39	3.05	DOL	MX	3.04	100	I077571	86					
145.39	148.44	3.05	DOL	MX	2.95	97	I077572	86					
148.44	151.49	3.05	DOL	MX	3.05	100	I077573	86					
151.49	154.53	3.04	DOL	MX	3.02	99	I077574	86					
154.53	157.58	3.05	DOL	MX	3.03	99	I077575	86					
157.58	160.63	3.05	DOL	MX	3.02	99	I077576	86					
160.63	163.68	3.05	DOL	MX	3.05	100	I077577	86					
-	-	-	-	-	-	-	I077578	86					Standard RSS-6
163.68	166.73	3.05	DOL	MX	2.95	97	I077579	86					

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
166.73	169.77	3.04	DOL	MX	2.98	98	I077580	86					
169.77	172.82	3.05	DOL	MX	3.05	100	I077581	86					
-	-	-	-	-	-	-	I077582	86					Blank NQ
172.82	175.87	3.05	DOL	MX	2.99	98	I077583	86					
175.87	178.92	3.05	DOL	MX	2.96	97	I077584	86					
178.92	181.97	3.05	DOL	MX	2.98	98	I077585	86					
181.97	185.01	3.04	DOL	MX	3.03	100	I077586	86					
185.01	188.06	3.05	DOL	MX	3.01	99	I077587	87					
188.06	191.11	3.05	DOL	MX	3.04	100	I077588	87					
191.11	194.16	3.05	DOL	MX	3.05	100	I077589	87					
194.16	196.10	1.94	DOL	MX	1.75	90	I077590	87					
196.10	198.03	1.93	VOL		1.93	100	I077591	87					

GEOTECHNICAL LOG

HOLE: Rau-10-119

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
1.36	5.18	3.82	3.82	100	1.32	35	ms	fr		
5.18	8.23	3.05	2.77	91	1.21		ms	fr		
8.23	11.28	3.05	2.95	97	1.58		ms	fr		
11.28	14.33	3.05	2.65	87	1.76		ms	fr		
14.33	17.37	3.04	2.91	96	2.20		ms	fr		
17.37	20.42	3.05	3.05	100	2.59		ms	fr		
20.42	23.47	3.05	2.87	94	1.83		ms	fr		
23.47	26.52	3.05	2.62	86	1.48		ms	fr		
26.52	29.57	3.05	3.05	100	2.31		ms	fr		
29.57	32.61	3.04	2.97	98	2.01		ms	fr		
32.61	35.66	3.05	3.04	100	2.71		ms	fr		
35.66	38.71	3.05	3.05	100	1.78		ms	fr		
38.71	41.76	3.05	2.95	97	2.75		ms	fr		
41.76	44.81	3.05	2.45	80	0.67		ms	fr		
44.81	47.85	3.04	2.83	93	1.87		ms	fr		
47.85	50.90	3.05	2.81	92	2.02		ms	fr		
50.90	53.95	3.05	2.97	97	1.68		ms	fr		
53.95	57.00	3.05	2.96	97	2.11		ms	fr		
57.00	60.05	3.05	3.05	100	2.40		ms	fr		
60.05	63.09	3.04	2.77	91	2.90		ms	fr		
63.09	66.14	3.05	2.72	89	2.41		ms	fr		
66.14	69.19	3.05	3.02	99	3.02		ms	fr		
69.19	72.24	3.05	2.97	97	2.52		ms	fr		
72.24	75.29	3.05	3.03	99	2.83		ms	fr		
75.29	78.33	3.04	2.96	97	2.36		ms	fr		
78.33	81.38	3.05	2.96	97	2.29		ms	fr		
81.38	84.43	3.05	2.99	98	2.34		ms	fr		
84.43	87.48	3.05	3.02	99	2.63		ms	fr		
87.48	90.53	3.05	2.98	98	2.80		ms	fr		
90.53	93.57	3.04	3.03	100	2.64		ms	fr		
93.57	96.62	3.05	3.05	100	2.30		ms	fr		
96.62	99.67	3.05	2.90	95	2.23		ms	fr		
99.67	102.72	3.05	2.94	96	2.46		ms	fr		
102.72	105.77	3.05	2.88	94	2.31		ms	fr		
105.77	108.81	3.04	2.90	95	2.72		ms	fr		
108.81	111.86	3.05	2.98	98	2.90		ms	fr		
111.86	114.91	3.05	2.92	96	2.86		ms	fr		
114.91	117.96	3.05	3.05	100	2.84		ms	fr		
117.96	121.01	3.05	2.99	98	2.90		ms	fr		
121.01	124.05	3.04	3.04	100	2.68		ms	fr		
124.05	127.10	3.05	3.05	100	2.70		ms	fr		
127.10	130.15	3.05	3.05	100	3.05		ms	fr		
130.15	133.20	3.05	3.05	100	2.91		ms	fr		
133.20	136.25	3.05	2.99	98	2.95		ms	fr		
136.25	139.29	3.04	3.04	100	2.88		ms	fr		
139.29	142.34	3.05	3.05	100	3.05		ms	fr		
142.34	145.39	3.05	3.04	100	2.96		ms	fr		
145.39	148.44	3.05	2.95	97	2.88		ms	fr		
148.44	151.49	3.05	3.05	100	3.95		ms	fr		
151.49	154.53	3.04	3.02	99	3.02		ms	fr		
154.53	157.58	3.05	3.03	99	2.88		ms	fr		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
157.58	160.63	3.05	3.02	99	2.98		ms	fr		
160.63	163.68	3.05	3.05	100	3.05		ms	fr		
163.68	166.73	3.05	1.95	64	2.77		ms	fr		
166.73	169.77	3.04	2.98	98	2.90		ms	fr		
169.77	172.82	3.05	3.05	100	3.05		ms	fr		
172.82	175.87	3.05	2.99	98	2.79		ms	fr		
175.87	178.92	3.05	2.96	97	2.90		ms	fr		
178.92	181.97	3.05	2.98	98	2.98		ms	fr		
181.97	185.01	3.04	3.03	100	2.95		ms	fr		
185.01	188.06	3.05	3.01	99	2.94		ms	fr		
188.06	191.11	3.05	3.04	100	3.04		ms	fr		
191.11	194.16	3.05	3.05	100	3.05		ms	fr		
194.16	197.21	3.05	2.88	94	2.51		ms	fr		
197.21	200.25	3.04	2.96	97	2.31		ms	fr		
200.25	203.30	3.05	2.95	97	2.47		ms	fr		
203.30	206.35	3.05	3.05	100	2.96		ms	fr		
206.35	209.40	3.05	3.00	98	2.94		ms	fr		
209.40	212.45	3.05	3.02	99	2.98		ms	fr		E.O.H.

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-119

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00			-	
2.00	LST	DOL	1.55	
3.00	LST	DOL	1.46	
4.00	LST	DOL	0.51	
5.00	LST	DOL	2.28	
6.00	LST	DOL	2.17	
7.00	LST	DOL	1.02	
8.00	LST	DOL	1.01	
9.00	LST	DOL	1.79	
10.00	LST	DOL	0.00	
11.00	LST	DOL	2.56	
12.00	LST	DOL	0.00	
13.00	LST	DOL	2.89	
14.00	LST	DOL	0.00	
15.00	LST	DOL	0.00	
16.00	LST	DOL	0.01	
17.00	LST	DOL	0.00	
18.00	LST	DOL	0.80	
19.00	LST	DOL	0.00	
20.00	LST	DOL	3.20	
21.00	LST	DOL	0.00	
22.00	LST	DOL	1.72	
23.00	LST	DOL	0.23	
24.00	LST	DOL	1.00	
25.00	LST	DOL	0.00	
26.00	LST	DOL	1.18	
27.00	LST	DOL	0.00	
28.00	LST	DOL	0.00	
29.00	LST	DOL	0.00	
30.00	LST	DOL	1.84	
31.00	LST	DOL	0.00	
32.00	LST	DOL	2.98	
33.00	LST	DOL	2.01	
34.00	LST	DOL	1.70	
35.00	LST	DOL	0.00	
36.00	LST	DOL	0.00	
37.00	LST	DOL	0.00	
38.00	LST	DOL	1.28	
39.00	LST	DOL	3.38	
40.00	LST	DOL	1.16	
41.00	LST	DOL	0.62	
42.00	LST	DOL	0.00	
43.00	LST	DOL	0.00	
44.00	LST	DOL	0.25	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	LST	DOL	0.00	
46.00	LST	DOL	0.00	
47.00	LST	DOL	1.09	
48.00	LST	DOL	2.04	
49.00	LST	DOL	5.69	
50.00	LST	DOL	0.00	
51.00	LST	DOL	3.20	
52.00	LST	DOL	0.00	
53.00	LST	DOL	0.00	
54.00	LST	DOL	0.00	
55.00	LST	DOL	1.83	
56.00	LST	DOL	7.41	
57.00	LST	DOL	0.00	
58.00	LST	DOL	1.00	
59.00	LST	DOL	1.51	
60.00	LST	DOL	15.60	
61.00	LST	DOL	7.24	
62.00	LST	DOL	5.38	
63.00	LST	DOL	0.00	
64.00	LST	DOL	8.23	
65.00	LST	DOL	6.53	
66.00	LST	DOL	3.40	
67.00	LST	DOL	1.46	
68.00	LST	DOL	2.90	
69.00	LST	DOL	3.75	
70.00	LST	DOL	9.46	
71.00	LST	DOL	3.49	
72.00	LST	DOL	0.31	
73.00	LST	DOL	2.98	
74.00	MBL		7.88	
75.00	MBL		8.16	
76.00	VOL		3.55	
77.00	VOL		1.00	
78.00	VOL		49.50	
79.00	VOL		16.00	
80.00	VOL		2.76	
81.00	VOL		89.50	
82.00	VOL		148.00	
83.00	VOL		199.00	
84.00	VOL		445.00	
85.00	VOL		360.00	
86.00	VOL		347.00	
87.00	VOL		279.00	
88.00	VOL		188.00	
89.00	VOL		20.20	
90.00	VOL		7.97	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	VOL		9.68	
92.00	VOL		0.00	
93.00	VOL		0.47	
94.00	VOL		0.67	
95.00	VOL		0.00	
96.00	VOL		1.90	
97.00	VOL		6.64	
98.00	VOL		4.88	
99.00	VOL		0.16	
100.00	VOL		1.18	
101.00	VOL		0.05	
102.00	VOL		8.32	
103.00	VOL		16.00	
104.00	VOL		0.65	
105.00	VOL		0.00	
106.00	VOL		0.84	
107.00	VOL		9.42	
108.00	VOL		18.80	
109.00	LST	DOL	0.00	
110.00	LST	DOL	0.00	
111.00	LST	DOL	25.90	
112.00	LST	DOL	23.90	
113.00	LST	DOL	2.36	
114.00	LST	DOL	3.29	
115.00	LST	DOL	16.40	
116.00	LST	DOL	1.22	
117.00	LST	DOL	0.14	
118.00	LST	DOL	13.10	
119.00	DOL	MX	12.00	
120.00	DOL	MX	2.45	
121.00	DOL	MX	5.52	
122.00	DOL	MX	11.00	
123.00	DOL	MX	9.86	
124.00	DOL	MX	9.99	
125.00	DOL	MX	7.75	
126.00	DOL	MX	4.41	
127.00	DOL	MX	1.11	
128.00	DOL	MX	9.33	
129.00	DOL	MX	8.36	
130.00	DOL	MX	2.61	
131.00	DOL	MX	12.20	
132.00	DOL	MX	3.64	
133.00	DOL	MX	6.62	
134.00	DOL	MX	4.04	
135.00	DOL	MX	16.40	
136.00	DOL	MX	1.44	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	DOL	MX	1.84	
138.00	DOL	MX	2.21	
139.00	DOL	MX	11.60	
140.00	DOL	MX	10.60	
141.00	DOL	MX	17.00	
142.00	DOL	MX	1.37	
143.00	DOL	MX	4.68	
144.00	DOL	MX	2.21	
145.00	DOL	MX	5.56	
146.00	DOL	MX	2.74	
147.00	DOL	MX	11.70	
148.00	DOL	MX	0.93	
149.00	DOL	MX	1.04	
150.00	DOL	MX	1.84	
151.00	DOL	MX	0.71	
152.00	DOL	MX	6.40	
153.00	DOL	MX	12.10	
154.00	DOL	MX	10.10	
155.00	DOL	MX	1.18	
156.00	DOL	MX	1.84	
157.00	DOL	MX	1.11	
158.00	DOL	MX	3.34	
159.00	DOL	MX	2.70	
160.00	DOL	MX	2.25	
161.00	DOL	MX	3.97	
162.00	DOL	MX	0.14	
163.00	DOL	MX	4.99	
164.00	DOL	MX	1.26	
165.00	DOL	MX	0.60	
166.00	DOL	MX	0.00	
167.00	DOL	MX	1.79	
168.00	DOL	MX	5.89	
169.00	DOL	MX	2.32	
170.00	DOL	MX	0.96	
171.00	DOL	MX	0.23	
172.00	DOL	MX	2.15	
173.00	DOL	MX	1.13	
174.00	DOL	MX	1.48	
175.00	DOL	MX	0.14	
176.00	DOL	MX	1.00	
177.00	DOL	MX	4.86	
178.00	DOL	MX	5.89	
179.00	DOL	MX	3.58	
180.00	DOL	MX	1.20	
181.00	DOL	MX	2.92	
182.00	DOL	MX	1.97	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00	DOL	MX	0.01	
184.00	DOL	MX	1.59	
185.00	DOL	MX	1.20	
186.00	DOL	MX	2.48	
187.00	DOL	MX	2.59	
188.00	DOL	MX	2.59	
189.00	DOL	MX	5.03	
190.00	DOL	MX	0.31	
191.00	DOL	MX	5.54	
192.00	DOL	MX	1.99	
193.00	DOL	MX	8.16	
194.00	DOL	MX	7.26	
195.00	DOL	MX	1.62	
196.00	DOL	MX	6.20	
197.00	VOL		0.64	
198.00	VOL		0.60	
199.00	LEP		1.04	
200.00	LEP		0.00	
201.00	LEP		1.48	
202.00	LEP		0.18	
203.00	LEP		0.00	
204.00	LEP		1.37	
205.00	LEP		0.00	
206.00	LEP		5.78	
207.00	LEP		7.66	
208.00	LEP		10.70	
209.00	LEP		3.91	
210.00	LEP		5.14	
211.00	LEP		0.00	
212.00	LEP		12.70	E.O.H.

DENSITY LOG

HOLE: Rau-10-119

Depth (m)	Unit	Modifier	Texture	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
				Py %	As %	Other	%							
43.00	DOL	MX		w		Po	t		14.8	5.0	1000.4	709.6	3.40	3.44
175.00	DOL	MX		w		Tc	f		14.7	5.0	874.4	585.1	2.99	3.02
184.00	DOL	MX		w	t				14.8	5.0	897.5	592.7	3.05	2.94
105.85	LEP								15.0	5.0	847.7	549.4	2.84	2.84

BOX LOG

HOLE: Rau-10-119

BOX	FROM (m)	TO (m)
1	1.36	6.06
2	6.06	11.43
3	11.43	16.96
4	16.96	22.40
5	22.40	28.00
6	28.00	33.41
7	33.41	38.71
8	38.71	43.99
9	43.99	49.62
10	49.62	55.00
11	55.00	60.39
12	60.39	66.14
13	66.14	71.33
14	71.33	76.81
15	76.81	82.27
16	82.27	87.48
17	87.48	92.97
18	92.97	98.16
19	98.16	103.31
20	103.31	108.81
21	108.81	114.33
22	114.33	119.77
23	119.77	125.05
24	125.05	130.22
25	130.22	135.74
26	135.74	141.18
27	141.18	146.64
28	146.64	152.15
29	152.15	157.85
30	157.85	163.48
31	163.48	169.03
32	169.03	174.62
33	174.62	180.14
34	180.14	185.74
35	185.74	191.33

BOX	FROM (m)	TO (m)
36	191.33	196.99
37	196.99	202.35
38	202.35	208.00
39	208.00	212.45
212.45 m - E.O.H.		

RAU PROPERTY

	Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
ZONE: Oxide	10+130NE	10+225NW	528448	7119296	1348	138.08

SECTION: 10+225NW

HOLE: **Rau-10-120**

CLAIM:

Contractor: Superior

Drill: 3

Core size: HQ

Casing depth: 4.57 m out

Drilling dates: September 13-17 2010

Geology logged by: K. Wynne

TARGET:

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-60.0	compass				

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	1.90	1.90	OVB	
1.90	49.53	47.63	LST	
49.53	131.23	81.70	OX	
131.23	135.34	4.11	LST	Moderate DOL and MBL
135.34	138.08	2.74	VOL	Strong SER, interlayered with DOL and MBL.
138.08	E.O.H.			

SAMPLES

Numbers: I077621-I077677, I077712-I077717

Total: 63

Batch: 87, 88, 89, 90

Date Sent: September 20, 21, 23 2010

Certificate: VA10139130, VA10139132, VA10139131, VA10139133

COMMENTS

The hole was ended because of unfavourable ground conditions. Core barrel lost.

GEOLOGY LOG

HOLE: Rau-10-120

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	1.90	1.90				OBV			Overburden - no recovery.																		
1.9	49.53	47.63				LST			Dark to light grey variably DOL and MBL LST, with DOL sBX decreasing and MBL increasing down interval. Very broken, with rubbly to clays layers. Increasingly intense OX down interval. Locally fossiliferous, FO, and SIL.					w		t			w									
			1.90	21.34	19.44	LST	DOL	RBL	Medium grey weak to moderate DOL LST, sBX by DOL/Ca, FG, forming medium grey irregular clasts, commonly elongate. Local sBX of medium and lighter grey LST, with lighter coloured LST more calcareous. Very broken green grey and light brown zones with calcareous clay to grit < 20 cm wide.					f														
			21.34	49.53	28.19	LST	MBL	RBL	Dark to light grey FOS LST with MBL increasing down interval. FO becomes more distinct and lower angle down interval. Chain coral and crinoids in trace amounts. Strong MBL layers have FG Ca spots which may be fossil fragments, but can't be identified due to MBL overprinting. Very broken interval with calcareous light brown to bright orange brown clay to grit OX zones < 30 cm long with LST fragments within.							w		MBL	m								
49.53	131.23	81.70				OX			Bright orange brown, yellow orange, and dark brown OX weakly calcareous in first 50 cm bellow uCN. Clay to solid core, predominantly clay in light VOL portions and grit in SID zones.								i									
			49.53	50.90	1.37	OX			Orange brown clay to grit, weakly calcareous in first 50 cm with dark brown SID rubble in last 50 cm.								m									
			50.90	58.05	7.15	OX	VOL		Light orange brown to yellow with light green grey sheen from remnant SER, intense OX VOL. Trace Qz in layers. Non-calcareous. Preserves FX on remnant FO. Clay to rubble, predominantly silt.	FX	55															
			58.05	60.80	2.75	OX			Orange brown clay to rubble, predominantly grit, with green grey colour over 15 cm. Qz rubble within OX and as 10 cm piece of core with SER wisps. Non-calcareous.								f									
			60.80	67.95	7.15	OX	SID		Dark brown with red orange coating, intense SID interval with sharp uCN. Non-calcareous silt to rubble, predominantly grit.								i									
			67.95	70.01	2.06	OX			Light orange brown clay to grit with weak Qz rubble in zones < 25 cm.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			70.01	75.82	5.81	OX	SID		Orange brown to dark brown clay to rubble, predominantly grit. Trace Qz in < 5 cm intervals, and mixed in grit of last 20 cm before CN.								s											
			75.82	76.81	0.99	CLY	Qz		Medium brown to blue grey, with subangular Qz rubble forming breccia clasts. Matrix blue grey clay or brown OX. ~ 40% Qz clasts < 2 cm in diameter.																			
			76.81	79.02	2.21	OX			Orange brown clay to grit, predominantly grit, with SID rubble in first 20 cm of interval. Trace Qz rubble.								w										
			79.02	79.86	0.84	Qz			Qz rubble and blue grey clay to silt with OX grit to rubble mixed into last 10 cm. Non-calcareous.																		
			79.86	81.87	2.01	OX			Orange brown with pink tint, silt to rubble, predominantly grit, with Qz rubble < 3 cm, and weakly calcareous OX.																		
			81.87	83.83	1.96	OX	LST		Green grey and orange brown intensely OX LST, strongly calcareous. Intact LST core up to 30 cm long, intensely cBX, strong DOL locally.					f		i												x
			83.83	87.16	3.33	OX			Red brown to orange brown calcareous OX with LST rubble < 3 cm, subrounded, and Qz rubble in trace amounts. Dark grey layer with OX layers within possibly ARG rich band. Trace Qz in layer < 10 cm wide.																		
			87.16	92.05	4.89	OX			Dark brown and orange brown rubble and grit with moderate Qz rubble. Non-calcareous.																		
			92.05	101.80	9.75	LST	OX		Very broken, strongly OX LST with last 3 m very poor recovery. LST medium grey, intense DOL, and sBX by DOL. Trace to weak OX MX disseminated. Qz VT at low angles < 2 cm at various orientations generally ~ 20 degrees.	VT	20			i		s												
			101.80	104.24	2.44	OX			Medium grey brown to blue grey and light yellow mottled. Dark grey clasts with platy appearance; ARG/VOL?																		
			104.24	114.65	10.41	OX			Dark pink to red and grey weakly calcareous clay tc grit, locally with relict sBX texture visible. Predominantly silt. Qz rubble in zones < 15 cm long.																		
			114.65	117.74	3.09	OX	LST		Medium brown clay to LST clasts and core < 20 cm long, which have weak OX, strong DOL sBX. OX zones weakly calcareous.					f														
			117.74	127.23	9.49	OX			Bright orange brown with dark brown SID variably intense. Clay to SID core, predominantly grit, non-calcareous.								ms										

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			127.23	131.23	4.00	OX	LST		Green grey and orange brown to light grey, intense OX clay to rubble with zones of weak OX LST which have intense sBX by DOL and cBX by thin black seams to styolites. Gradational lCN between OX and LST.					ms														
131.23	135.34	4.11				LST			Light grey LST, sBX by DOL in upper portion, gradationally becoming more MBL down interval. Very broken, locally intense OX near irregular Qz VN with FG Py disseminated on rims. Strong Py in last 50 cm associated with Qz blebs and VN on lCN. Black mineral with conchoidal FX locally appears to have cubic form, softer then iron nail.					m		f		MBL	m	f							
135.34	138.08	2.74				VOL			Light grey, buff and green buff SER VOL with interlayered MBL/DOL. uCN ~ 15 cm Qz/Ca VN with strong Py for ~ 25 cm after, decreasing down hole to weak overall. Interval ~40% MBL and FG DOL. Very broken with local moderate strong OX on FX and through core.					m		m		SER	s	w							
																		DOL	m								
									EOH at 138.08 because ground condition was unfavourable.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-120

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
44.81	47.85	3.04	LST		2.67	88	I077621	87					
47.85	49.53	1.68	LST		0.87	52	I077622	87					
49.53	50.90	1.37	OX		0.98	72	I077623	88					
50.90	52.43	1.53	OX		0.63	41	I077624	88					
52.43	53.95	1.52	OX		1.32	87	I077625	88					
53.95	55.47	1.52	OX		0.26	17	I077626	88					
55.47	58.52	3.05	OX		2.50	82	I077627	88					
58.52	60.05	1.53	OX		1.42	93	I077628	88					
-	-	-			-	-	I077629	88					Standard ROS-1
60.05	61.57	1.52	OX		0.81	53	I077630	88					
61.57	63.09	1.52	OX		0.73	48	I077631	88					
63.09	64.62	1.53	OX		0.98	64	I077632	88					
64.62	66.14	1.52	OX		0.88	58	I077633	88					
-	-	-			-	-	I077634	88					Blank HQ
66.14	67.67	1.53	OX		1.04	68	I077635	88					
67.67	69.19	1.52	OX		1.38	91	I077636	88					
69.19	70.71	1.52	OX		1.30	86	I077637	88					
70.71	72.24	1.53	OX		1.48	97	I077638	88					
72.24	73.76	1.52	OX		0.94	62	I077639	88					
73.76	75.29	1.53	OX		0.95	62	I077640	88					
75.29	76.81	1.52	OX		1.06	70	I077641	88					
-	-	-			-	-	I077642	88					Blank HQ
76.81	78.33	1.52	OX		0.61	40	I077643	88					
78.33	79.86	1.53	OX		0.73	48	I077644	88					
79.86	81.38	1.52	OX		1.23	81	I077645	88					
79.86	81.38	1.52	OX		1.23	81	I077646	88					Duplicate
81.38	82.91	1.53	OX		1.07	70	I077647	88					
82.91	84.43	1.52	OX		1.09	72	I077648	88					
84.43	85.95	1.52	OX		1.11	73	I077649	88					
85.95	87.48	1.53	OX		1.07	70	I077650	88					
87.48	89.00	1.52	OX		0.52	34	I077651	88					
89.00	90.53	1.53	OX		0.30	20	I077652	88					
90.53	92.05	1.52	OX		0.49	32	I077653	88					
92.05	93.57	1.52	LST		0.81	53	I077654	88					
93.57	95.10	1.53	LST		0.48	31	I077655	88					
95.10	96.62	1.52	LST		0.90	59	I077656	88					
96.62	98.15	1.53	LST		1.09	71	I077657	88					
101.19	102.72	1.53	OX		0.69	45	I077658	88					
-	-	-			-	-	I077659	88					Standard ROS-4
102.72	104.24	1.52	OX		0.20	13	I077660	88					
104.24	105.76	1.52	OX		0.15	10	I077661	89					
105.76	107.29	1.53	OX		0.99	65	I077662	89					
107.29	108.81	1.52	OX		1.36	89	I077663	89					
110.34	111.86	1.52	OX		0.23	15	I077664	89					
111.86	113.39	1.53	OX		1.28	84	I077665	89					
-	-	-			-	-	I077666	89					Blank HQ
113.39	114.91	1.52	OX		1.39	91	I077667	89					
114.91	116.43	1.52	OX		0.65	43	I077668	89					
116.43	117.96	1.53	OX		1.05	69	I077669	89					
117.96	119.48	1.52	OX		1.33	87	I077670	89					
119.48	121.01	1.53	OX		0.10	7	I077671	89					

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SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
121.01	122.53	1.52	OX		0.89	59	I077672	89					
122.53	124.05	1.52	OX		1.38	91	I077673	89					
-	-	-			-	-	I077674	89					Standard ROS-2
124.05	125.58	1.53	OX		1.17	76	I077675	89					
125.58	127.10	1.52	OX		1.40	92	I077676	89					
127.10	128.63	1.53	OX		1.15	75	I077677	89					
128.63	131.23	2.60	OX		2.57	99	I077712	90					
-	-	-			-	-	I077713	90					Standard ROS-3
131.23	133.20	1.97	LST		1.97	100	I077714	90					
133.20	135.34	2.14	LST		2.10	98	I077715	90					
-	-	-			-	-	I077716	90					
135.34	138.08	2.74	LST		2.70	99	I077717	90					

GEOTECHNICAL LOG

HOLE: Rau-10-120

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
1.90	3.66	1.76	1.09	62	0.00	0	w	mw		
3.66	5.18	1.52	1.25	82	0.13	9	ms	fr		
5.18	6.71	1.53	1.18	77	0.21	14	ms	fr		
6.71	8.23	1.52	1.47	97	1.08	71	ms	fr		
8.23	9.75	1.52	1.36	89	1.23	81	ms	fr		
9.75	11.28	1.53	1.27	83	0.90	59	ms	fr		
11.28	12.80	1.52	1.07	70	0.21	14	ms	fr		
12.80	14.33	1.53	1.13	74	0.39	25	ms	fr		
14.33	15.85	1.52	1.18	78	0.25	16	ms	fr		
15.85	17.37	1.52	0.88	58	0.00	0	ms	fr		
17.37	18.90	1.53	0.75	49	0.36	24	ms	fr		
18.90	20.42	1.52	1.15	76	0.24	16	ms	fr		
20.42	21.95	1.53	1.11	73	0.60	39	ms	fr		
21.95	23.47	1.52	1.34	88	0.12	8	ms	fr		
23.47	24.99	1.52	1.23	81	0.00	0	w	hw		
24.99	26.52	1.53	1.05	69	0.00	0	w	hw		
26.52	28.04	1.52	1.15	76	0.00	0	w	hw		
28.04	29.57	1.53	1.50	98	0.68	44	w	hw		
29.57	31.09	1.52	0.90	59	0.58	38	ms	fr		
31.09	32.61	1.52	1.25	82	0.11	7	ms	fr		
32.61	34.14	1.53	1.24	81	0.73	48	ms	fr		
34.14	35.66	1.52	1.39	91	0.40	26	ms	fr		
35.66	37.19	1.53	1.10	72	0.74	48	ms	fr		
37.19	38.71	1.52	1.45	95	0.00	0	w	hw		
38.71	40.23	1.52	1.17	77	0.11	7	w	hw		
40.23	41.76	1.53	1.50	98	0.00	0	w	hw		
41.76	43.28	1.52	0.77	51	0.28	18	w	hw		
43.28	44.81	1.53	1.15	75	0.14	9	w	hw		
44.81	46.33	1.52	1.44	95	0.27	18	w	hw		
46.33	47.85	1.52	1.23	81	0.11	7	w	hw		
47.85	49.38	1.53	0.77	50	0.36	24	w	hw		
49.38	50.90	1.52	1.04	68	0.00	0	w	hw		
50.90	52.43	1.53	0.63	41	0.00	0	ew	ew	10 YR 4/6	
52.43	53.95	1.52	1.32	87	0.00	0	ew	ew	10 YR 7/6	
53.95	55.47	1.52	0.26	17	0.00	0	ew	ew	2.5 Y 8/4	
55.47	57.00	1.53	1.27	83	0.00	0	ew	ew	2.5 Y 6/8	
57.00	58.52	1.52	1.23	81	0.00	0	ew	ew	2.5 Y 7/6	
58.52	60.05	1.53	1.42	93	0.00	0	ew	ew	2.5 Y 6/8	
60.05	61.57	1.52	0.81	53	0.00	0	ew	ew	10 YR 5/8	
61.57	63.09	1.52	0.73	48	0.00	0	ew	ew	10 YR 2/2	
63.09	64.62	1.53	0.98	64	0.13	8	ew	ew	10 YR 3/2	
64.62	66.14	1.52	0.88	58	0.00	0	ew	ew	10 YR 3/2	
66.14	67.67	1.53	1.04	68	0.00	0	ew	ew	10 YR 3/2	
67.67	69.19	1.52	1.38	91	0.00	0	ew	ew	7.5 YR 5/8	
69.19	70.71	1.52	1.30	86	0.00	0	ew	ew	7.5 YR 4/6	
70.71	72.24	1.53	1.48	97	0.00	0	ew	ew	7.5 YR 5/8	
72.24	73.76	1.52	0.94	62	0.00	0	ew	ew	5 YR 5/6	
73.76	75.29	1.53	0.95	62	0.00	0	ew	ew	10 YR 5/6	
75.29	76.81	1.52	1.06	70	0.00	0	ew	ew	2.5 Y 5/4	
76.81	78.33	1.52	0.61	40	0.00	0	ew	ew	7.5 YR 5/8	
78.33	79.86	1.53	0.73	48	0.00	0	ew	ew	GLEY 1 5/N	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
79.86	81.38	1.52	1.23	81	0.00	0	ew	ew	7.5 YR 5/8	
81.38	82.91	1.53	1.07	70	0.39	25	ew	ew	2.5 YR 4/4	
82.91	84.43	1.52	1.09	72	0.00	0	ew	ew	2.5 YR 4/3	
84.43	85.95	1.52	1.11	73	0.00	0	ew	ew	5 YR 4/6	
85.95	87.48	1.53	1.07	70	0.00	0	ew	ew	5 YR 4/6	
87.48	89.00	1.52	0.52	34	0.00	0	ew	ew	5 YR 3/4	
89.00	90.53	1.53	0.30	20	0.00	0	ew	ew	5 YR 3/2	
90.53	92.05	1.52	0.49	32	0.00	0	ew	ew	5 YR 3/4	
92.05	93.57	1.52	0.81	53	0.81	53	w	hw		
93.57	95.10	1.53	0.48	31	0.48	31	w	hw		
95.10	96.62	1.52	0.90	59	0.90	59	w	hw		
96.62	98.15	1.53	1.09	71	1.09	71	w	hw		
98.15	99.67	1.52	0.06	4	0.06	4	w	hw		
99.67	101.19	1.52	0.00	0	0.00	0	ew	ew		
101.19	102.72	1.53	0.69	45	0.00	0	ew	ew	10Y-5GY 6/2	
102.72	104.24	1.52	0.20	13	0.00	0	ew	ew	2.5 Y 8/8	
104.24	105.76	1.52	0.15	10	0.00	0	ew	ew	7.5 YR 5/8	
105.76	107.29	1.53	0.99	65	0.00	0	ew	ew	2.5 YR 4/4	
107.29	108.81	1.52	1.36	89	0.00	0	ew	ew	2.5 YR 4/6	
108.81	110.34	1.53	0.03	2	0.00	0	ew	ew	2.5 YR 3/6	
110.34	111.86	1.52	0.23	15	0.00	0	ew	ew	2.5 YR 4/3	
111.86	113.39	1.53	1.28	84	0.00	0	ew	ew	2.5 YR 4/4	
113.39	114.91	1.52	1.39	91	0.00	0	ew	ew	2.5 YR 5/3	
114.91	116.43	1.52	0.65	43	0.00	0	ew	ew	5 YR 4/2	
116.43	117.96	1.53	1.05	69	0.00	0	ew	ew	5 YR 4/6	
117.96	119.48	1.52	1.33	87	0.00	0	ew	ew	5 YR 5/6	
119.48	121.01	1.53	0.10	7	0.00	0	ew	ew	5 YR 5/6	
121.01	122.53	1.52	0.89	59	0.00	0	ew	ew	5 YR 4/6	
122.53	124.05	1.52	1.38	91	0.00	0	ew	ew	5 YR 5/8	
124.05	125.28	1.23	1.17	95	0.00	0	ew	ew	5 YR 5/8	
125.28	127.10	1.82	1.40	77	0.91	50	ew	ew	5 YR 5/8	
127.10	128.63	1.53	1.15	75	0.00	0	ew	ew	5 YR 5/8	
128.63	130.15	1.52	1.47	97	0.45	30	ew	ew	5 YR 5/8	
130.15	131.67	1.52	1.52	100	0.18	12	w	hw		
131.67	133.20	1.53	1.41	92	0.85	56	w	hw		
133.20	134.72	1.52	1.48	97	0.43	28	w	hw		
134.72	136.25	1.53	1.53	100	0.58	38	w	hw		
136.25	137.77	1.52	1.45	95	0.87	57	w	hw		
137.77	138.08	0.31	0.30	97	0.00	0	w	hw		E.O.H.

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-120

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00			-	
2.00			-	
3.00	LST		0.00	
4.00	LST		0.10	
5.00	LST		0.20	
6.00	LST		0.00	
7.00	LST		0.00	
8.00	LST		0.55	
9.00	LST		1.20	
10.00	LST		6.21	
11.00	LST		1.52	
12.00	LST		0.00	
13.00	LST		0.13	
14.00	LST		0.52	
15.00	LST		0.00	
16.00	LST		1.20	
17.00	LST		0.15	
18.00	LST		0.10	
19.00	LST		0.00	
20.00	LST		0.30	
21.00	LST		1.32	
22.00	LST		1.24	
23.00	LST		0.00	
24.00	LST		6.43	
25.00	LST		3.29	
26.00	LST		5.54	
27.00	LST		0.00	
28.00	LST		0.00	
29.00	LST		0.57	
30.00	LST		0.92	
31.00	LST		5.93	
32.00	LST		4.53	
33.00	LST		1.81	
34.00	LST		0.82	
35.00	LST		3.67	
36.00	LST		4.18	
37.00	LST		4.08	
38.00	LST		2.18	
39.00	LST		7.14	
40.00	LST		5.76	
41.00	LST		2.57	
42.00	LST		0.06	
43.00	LST		8.98	
44.00	LST		2.68	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	LST		6.88	
46.00	LST		0.08	
47.00	LST		2.26	
48.00	LST		1.07	
49.00	LST		4.50	
50.00	OX		2.03	
51.00	OX		0.73	
52.00	OX		4.01	
53.00	OX		2.10	
54.00	OX		3.99	
55.00	OX		3.10	
56.00	OX		3.86	
57.00	OX		1.91	
58.00	OX		5.34	
59.00	OX		1.98	
60.00	OX		4.97	
61.00	OX		3.24	
62.00	OX		3.20	
63.00	OX		2.63	
64.00	OX		3.20	
65.00	OX		3.29	
66.00	OX		3.84	
67.00	OX		4.33	
68.00	OX		8.48	
69.00	OX		1.74	
70.00	OX		2.06	
71.00	OX		3.67	
72.00	OX		5.44	
73.00	OX		3.25	
74.00	OX		3.07	
75.00	OX		4.38	
76.00	OX		3.39	
77.00	OX		7.78	
78.00	OX		2.10	
79.00	OX		3.74	
80.00	OX		2.78	
81.00	OX		1.88	
82.00	OX		7.77	
83.00	OX		2.58	
84.00	OX		0.00	
85.00	OX		3.05	
86.00	OX		6.31	
87.00	OX		13.00	
88.00	OX		7.14	
89.00	OX		5.61	
90.00	OX		9.20	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	OX		6.53	
92.00	OX		4.55	
93.00	OX		3.59	
94.00	OX		7.67	
95.00	OX		0.00	
96.00	OX		3.29	
97.00	OX		3.06	
98.00	OX		5.24	
99.00	OX		-	
100.00	OX		-	
101.00	OX		-	
102.00	OX		7.92	
103.00	OX		6.01	
104.00	OX		2.08	
105.00	OX		5.57	
106.00	OX		5.10	
107.00	OX		4.90	
108.00	OX		8.29	
109.00	OX		3.81	
110.00	OX		-	
111.00	OX		5.42	
112.00	OX		6.48	
113.00	OX		3.19	
114.00	OX		4.28	
115.00	OX		2.61	
116.00	OX		3.76	
117.00	OX		3.62	
118.00	OX		3.56	
119.00	OX		3.64	
120.00	OX		6.31	
121.00	OX		3.44	
122.00	OX		9.52	
123.00	OX		7.00	
124.00	OX		6.38	
125.00	OX		3.91	
126.00	OX		3.62	
127.00	OX		3.54	
128.00	OX		6.41	
129.00	OX		4.87	
130.00	OX		1.09	
131.00	OX		2.99	
132.00	LST		1.59	
133.00	LST		4.63	
134.00	LST		10.30	
135.00	LST		9.12	
136.00	VOL		1.12	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	VOL		1.04	
138.00	VOL		6.55	E.O.H.

DENSITY LOG

HOLE: Rau-10-120

Depth (m)	Unit	Modifier	Texture	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	TIME	Density	Specific Gravity
				Py %	As %	Other	%							
59.00	OX	VOL						dried in toaster oven	14.5	6.1	1100.7	11:15	2.62	1.00
									14.5	6.1	976.8	12:00	2.33	1.00
									14.5	6.1	908.7	01:30	2.17	1.00
									14.5	6.1	907.9	02:43	2.17	1.00
108.10	OX	CLY						Brick red purple brown gritty clay oxide	14.5	6.1	939.9	08:05	2.24	1.00
									14.5	6.1	834.2	09:05	1.99	1.00
									14.5	6.1	817.9	10:00	1.95	1.00
									14.5	6.1	817.6	11:00	1.95	1.00
									14.5	6.1	817.5	11:55	1.95	1.00
									14.5	6.1	817.2	01:15	1.95	1.00
									14.5	6.1	817.1	02:00	1.95	1.00
118.15	OX	CLY						Orange brown gritty clay oxide	14.1	6.1	904.1	08:05	2.22	1.00
									14.1	6.1	743.7	09:05	1.82	1.00
									14.1	6.1	681.4	10:00	1.67	1.00
									14.1	6.1	672.2	11:00	1.65	1.00
									14.1	6.1	669.6	11:55	1.64	1.00
									14.1	6.1	667.2	01:15	1.64	1.00
									14.1	6.1	666.4	02:00	1.63	1.00

HOLE: Rau-10-120

Box #	Diameter (cm)	From (m)	To (m)	Unit	Modifier	Recovery	Weight	Density	Comments
16	6.1	66.59	70.90	OX		2.96	51.5	2.73	
17	6.1	70.90	75.43	OX		3.26	44.5	2.14	
18	6.1	75.43	80.70	OX		3.31	44.5	2.11	
19	6.1	80.70	85.15	OX		3.37	44.5	2.07	~ 1/3 solid core
20	6.1	85.15	107.89	OX		3.01	38.5	2.01	
23	6.1	107.89	114.55	OX		3.51	45.5	2.03	
24	6.1	114.55	119.48	OX		3.08	39.5	2.01	
25	6.1	119.48	125.45	OX		3.44	40.5	1.85	

BOX LOG

HOLE: Rau-10-120

BOX	FROM (m)	TO (m)
1	1.90	6.21
2	6.21	10.24
3	10.24	13.98
4	13.98	18.54
5	18.54	22.56
6	22.56	26.14
7	26.14	29.79
8	29.79	33.98
9	33.98	38.40
10	38.40	41.45
11	41.45	46.20
12	46.20	50.90
13	50.90	57.00
14	57.00	61.80
15	61.80	66.59
16	66.59	70.90
17	70.90	75.43
18	75.43	80.70
19	80.70	85.15
20	85.15	92.05
21	92.05	97.94
22	97.94	107.89
23	107.89	114.55
24	114.55	119.48
25	119.48	125.45
26	125.45	129.93
27	129.93	133.60
28	133.60	137.39
29	137.39	138.08
138.08 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
10+100NE	10+225NW	528425	7119276	1335	131.37

ZONE: Oxide

SECTION: 10+225NW

HOLE: **Rau-10-121**

CLAIM:

Contractor: Superior

Drill: 2

Core size: PQ/HQ

Casing depth: 1.52 m out

Drilling dates: September 14-18, 2010

Geology logged by: J Lane, K. Wynne

TARGET: Ozide zone

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-60.0	compass	131.07	227	-59.3	Ranger
85.65	228	-58.7	Ranger				
100.89	228	-58.8	Ranger				
116.13	227	-59.0	Ranger				

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	0.91	0.91	OVB	
0.91	26.82	25.91	LST	Weak HEM.
26.82	119.90	93.08	OX	
119.90	120.03	0.13	MBL	
120.03	131.37	11.34	DOL	Fair ANK, trace Py.
131.37	E.O.H.			

SAMPLES

Numbers: I077678-I077711, I077718-I077742

Total: 59

Batch: 89, 90, 91

Date Sent: September 23, 24 2010

Certificate: VA10139131, VA10139133, VA10139134

COMMENTS

Hole reduced to HQ at 233 ft due to ground conditions.
Hole ended because target zone was passed.

GEOLOGY LOG

HOLE: Rau-10-121

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	Photo
0.00	0.91	0.91				OVB			Overburden - no recovery																		
0.91	26.82	25.91				LST	FOS	sBX	Medium grey weakly to fairly fossiliferous LST with zones that are weakly FO and zones that have a moderate sBX with associated reddish purple HEM alteration.									HEM	w								
			0.91	7.01	6.10	LST	RBL		Strongly rubbly medium grey LST. The fragments are too broken up to determine a structural orientation.																		
			7.01	10.98	3.97	LST	HEM	sBX	Fairly rubbly medium grey and medium purplish red grey HEM FOS LST with moderate sBX textures. Fossils are disrupted and overprinted by sBX and HEM, but appear to be mainly favocites. The sBX is narrow and infilled by dogtooth DOL spar. A moderate patchy hematite alteration occurs throughout.	FO	80							HEM	m								
			10.98	20.00	9.02	LST	FOS		Medium grey LST with 1-3 mm crinoid stem fragments scattered throughout. A weak FO is present at 80 degrees TCA. The interval is weakly to fairly fractured with minor rubbly sections. Many fractures are coated in a taupe brown iron carbonate stain.							t										
			20.00	26.82	6.82	LST	OX		Begin to get 1 -15 cm intervals of medium yellow orange brown weakly to moderately calcareous silty clay rich OX, with LST fragments within. Overall 15% OX, 85% LST. The LST is moderate MBL and has a weak FO at 60 degrees TCA.							m		MBL	m								
26.82	119.90	93.08				OX			Orange brown to dark brown OX, clay to core. Non-calcareous, with rare fragments of non-oxidized LST to MBL fragments within. Variably Qz and SID rich.																		
			26.82	31.39	4.57				Medium to dark brown grit to silt, non-calcareous, with non-oxidized LST fragments which are weakly MBL. A sharp CN with one of these fragments occurs at 40 degrees TCA. The LST has a FO angle of ~ 70 degrees TCA, very faint and disrupted.	CN	40																
			31.39	33.36	1.97	OX			Chocolate brown gritty to silty non-calcareous OX.																		x
			33.36	35.57	2.21	OX			Medium slightly greenish brown OX with 50% very fragile dark grey non-calcareous fragments within; VOL?																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			37.49	39.01	1.52	OX			Medium to dark brown gritty oxide with 50% subangular quartz fragments up to 1 cm in diameter.																		
			40.54	42.06	1.52	OX			Bright orange brown slightly gritty silty OX with 5% < 1 cm subangular Qz fragments throughout.																		
			42.06	48.16	6.10	OX			Medium orange red brown gritty silty oxide with rubbly zones containing 2-3 cm round (ground) Qz and SID fragments. The rubble occurs in zones with fines likely washed away. ~ 10% rubble.																		
			48.16	49.68	1.52	OX			Bright light yellow and medium grey sandy OX. The yellow colour occurs in patches within the grey gritty silt. Interval has poor recovery, looks similar to grey high grade zones in other holes.																		
			49.68	55.78	6.10	OX			Medium slightly orangeish brown slightly gritty silty OX with Qz rubble zones containing < 1 cm fragments of subangular white Qz. Rarer dark grey FG DOL LST subangular fragments also occur within the unit.																		
			55.78	58.83	3.05	OX	LST		Medium brown OX and medium grey fragments of LST, the zones of LST are very fragile and held together by the weakly calcareous clay.																		
			58.83	61.87	3.04	OX			Very poorly recovered interval that is half medium brown silty clay OX with Qz rubble throughout, and half dark red brownish black SID rubble with a few Qz fragments intact within.								s									
			61.87	68.88	7.01	OX			Medium brown OX with fragments of non-calcareous to weakly calcareous DOL LST within. The interval is poorly recovered, but of what was recovered ~ 35% is rubbly LST. 50 cm interval within zone from 65.0 to 65.5 m is bright creamy yellow gritty silty OX; possibly VOL.																		
			68.80	71.74	2.94				No recovery due to reduction to HQ from PQ.																		
			71.74	72.00	0.26	MBL			Light grey MBL rubble with very poor recovery (~ 20 cm). Rubbly lCN with OX																		
			72.00	93.80	21.80	OX	LST		Dark purple brown to bright orange brown clay to rubble, predominantly grit, with light grey brown intense OX LST intervals, very broken, locally with intense DOL and weak OX MX still visible, and cBX by dark brown seams. Increasingly DOL down interval. OX zones variably SID, with intense SID over short < 25 cm intervals, moderate strong overall. Small zones of intense OX are non-calcareous, but generally OX is calcareous. Trace Qz through unit in zones < 25 cm.							i	ms										

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			81.80	82.04	0.24	OX	Qz		Qz rich interval of bright orange brown non calcareous OX. ~ 15% of interval < 2 cm in diameter Qz.																		
			93.80	110.64	16.84	OX			Bright orange to orange brown, non-calcareous sil to easily broken core, predominantly altered core. Relic FO still locally visible, and preferential FX angle apparently follows FO. FX surface commonly black or dark red brown SID. Locally have light green platy mineral with sheen (SER). Possibly altered LEP or LST/VOL mix.	FO	55															
			110.64	112.73	2.09	OX			Orange brown and blue grey foliated, very broken, clay to core, predominantly core. Gradational contacts over ~ 50 cm. Blue grey portions platy, non calcareous, with SID on FX; possibly ARG?	FO	50															
			112.73	119.15	6.42	OX	SID		Orange brown and black t o dark brown intense SID and OX interval of clay to solid SID core, predominantly rubble. Non-calcareous with trace Qz in layers and patched.								i									
			119.15	119.90	0.75	OX			Light orange brown clay to grit, predominantly silt, non calcareous, non SID.																		
119.90	120.03	0.13				MBL			White MBL, with OX on lCN with MBL rubble, OX non-calcareous (fall in?).																		
120.03	131.37	11.34				DOL			Light grey to light orange MG DOL/ANK locally medium grey intense DOL sBX LST over < 50 cm. Trace FG light silvery brassy Py, disseminated and in thin layers, locally pink HEM colouration to DOL. Trace Qz as patches with Ca associated. Voids from DOL growth. Thin SER VOL layers present after 128.70, become less SER down interval. Local SIL over < 10 cm.					f			HEM	w	t							
																		SIL	w								
									EOH at 131.37 because target oxide zone passed.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-121

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
19.20	20.73	1.53	LST		1.19	78	I077678	89					
20.73	22.25	1.52	LST		1.05	69	I077679	89					interval changed from 22.23
22.25	23.77	1.52	LST		1.07	70	I077680	89					
23.77	25.30	1.53	LST		1.10	72	I077681	89					
-	-	-	-	-	-	-	I077682	89					Standard ROS-3
25.30	26.82	1.52	LST		0.75	49	I077683	89					interval changed from 26.32
26.82	28.35	1.53	OX		1.38	90	I077684	89					
28.35	29.87	1.52	OX		1.50	99	I077685	89					
28.35	29.87	1.52	OX		1.50	99	I077686	89					Duplicate
29.87	31.39	1.52	OX		1.46	96	I077687	89					
31.39	32.92	1.53	OX		1.13	74	I077688	89					
-	-	-	-	-	-	-	I077689	89					Blank HQ
32.92	34.44	1.52	OX		1.28	84	I077690	89					
34.44	36.00	1.56	OX		1.45	93	I077691	89					
36.00	37.49	1.49	OX		1.44	97	I077692	89					
37.49	39.01	1.52	OX		0.75	49	I077693	89					
39.01	40.54	1.53	OX		0.15	10	I077694	89					
40.54	42.06	1.52	OX		1.23	81	I077695	89					
42.06	43.59	1.53	OX		0.64	42	I077696	90					
43.59	45.11	1.52	OX		0.32	21	I077697	90					
45.11	46.63	1.52	OX		1.14	75	I077698	90					
46.63	48.16	1.53	OX		1.07	70	I077699	90					
48.16	49.68	1.52	OX		0.30	20	I077700	90					
51.21	52.73	1.52	OX		1.07	70	I077701	90					
52.73	54.25	1.52	OX		0.35	23	I077702	90					
54.25	57.30	3.05	OX		0.92	30	I077703	90					
57.30	58.83	1.53	OX		1.13	74	I077704	90					
58.83	60.35	1.52	OX		0.57	37	I077705	90					
61.87	63.40	1.53	OX		0.52	34	I077706	90					
63.40	64.92	1.52	OX		0.50	33	I077707	90					
-	-	-	-	-	-	-	I077708	90					Blank HQ
64.92	66.45	1.53	OX		1.05	69	I077709	90					

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
66.45	67.97	1.52	OX		1.32	87	I077710	90					
67.97	68.88	0.91	OX		0.57	63	I077711	90					
71.74	72.54	0.80	OX		0.79	99	I077718	90					
72.54	75.59	3.05	OX		2.66	87	I077719	90					
75.59	78.64	3.05	OX		1.69	55	I077720	90					
78.64	81.69	3.05	OX		2.49	82	I077721	90					
81.69	84.73	3.04	OX		2.71	89	I077722	90					
84.73	86.26	1.53	OX		1.27	83	I077723	90					
84.73	86.26	1.53	OX		2.27	148	I077724	90					Duplicate
86.26	87.78	1.52	OX		0.84	55	I077725	90					
87.78	89.31	1.53	OX		1.26	82	I077726	90					
89.31	92.35	3.04	OX		2.92	96	I077727	90					
92.35	95.40	3.05	OX		2.89	95	I077728	90					
-	-	-	-	-	-	-	I077729	90					Standard ROS-1
95.40	98.45	3.05	OX		2.80	92	I077730	90					
98.45	101.50	3.05	OX		2.87	94	I077731	90					
101.50	104.55	3.05	OX		2.81	92	I077732	91					
104.55	107.59	3.04	OX		3.04	100	I077733	91					
107.59	110.64	3.05	OX		2.83	93	I077734	91					
-	-	-	-	-	-	-	I077735	91					Standard ROS-4
110.64	113.69	3.05	OX		2.77	91	I077736	91					
113.69	116.74	3.05	OX		2.97	97	I077737	91					
116.74	119.79	3.05	OX		2.76	90	I077738	91					
-	-	-	-	-	-	-	I077739	91					Blank HQ
119.79	121.31	1.52	DOL		0.68	45	I077740	91					
121.31	124.36	3.05	DOL		2.76	90	I077741	91					
124.36	127.41	3.05	DOL		3.05	100	I077742	91					

GEOTECHNICAL LOG

HOLE: Rau-10-121

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
0.91	2.44	1.53	0.27	18	0.00	0	ew	ew		
2.44	3.96	1.52	0.19	13	0.00	0	ew	ew		
3.96	5.49	1.53	0.23	15	0.00	0	ew	ew		
5.49	7.01	1.52	0.37	24	0.00	0	ew	ew		
7.01	8.53	1.52	0.58	38	0.00	0	ew	ew		
8.53	10.06	1.53	1.12	73	0.00	0	ew	ew		
10.06	11.58	1.52	1.22	80	0.49	32	ew	ew		
11.58	13.11	1.53	1.33	87	0.52	34	ew	ew		
13.11	14.63	1.52	1.08	71	0.23	15	ew	ew		
14.63	16.15	1.52	1.12	74	0.00	0	ew	ew		
16.15	17.68	1.53	1.23	80	0.50	33	ew	ew		
17.68	19.20	1.52	1.34	88	0.12	8	ew	ew		
19.20	20.73	1.53	1.19	78	0.15	10	ew	ew		
20.73	22.25	1.52	1.05	69	0.29	19	ew	ew		
22.25	23.77	1.52	1.07	70	0.14	9	ew	ew		
23.77	25.30	1.53	1.10	72	0.68	44	ew	ew		
25.30	26.82	1.52	0.75	49	0.10	7	ew	ew		
26.82	28.35	1.53	1.38	90	0.00	0	ew	ew	2.5 YR 4/3	
28.35	29.87	1.52	1.50	99	0.00	0	ew	ew	2.5 YR 4/3	
29.87	31.39	1.52	1.46	96	0.00	0	ew	ew	5 YR 4/4	
31.39	32.92	1.53	1.13	74	0.00	0	ew	ew	5 YR 4/4	
32.92	34.44	1.52	1.28	84	0.00	0	ew	ew	7.5 YR 4/4	
34.44	36.00	1.56	1.45	93	0.00	0	ew	ew	7.5 YR 5/8	
36.00	37.49	1.49	1.44	97	0.00	0	ew	ew	7.5 YR 4/4	
37.49	39.01	1.52	0.75	49	0.00	0	ew	ew	5 YR 3/3	
39.01	40.54	1.53	0.15	10	0.00	0	ew	ew		
40.54	42.06	1.52	1.23	81	0.00	0	ew	ew	7.5 YR 6/8	
42.06	43.59	1.53	0.64	42	0.00	0	ew	ew	7.5 YR 3/3	
43.59	45.11	1.52	0.32	21	0.00	0	ew	ew	7.5 YR 2.5/1	
45.11	46.63	1.52	1.14	75	0.00	0	ew	ew	2.5 YR 4/4	
46.63	48.16	1.53	1.07	70	0.00	0	ew	ew	2.5 YR 4/4	
48.16	49.68	1.52	0.30	20	0.00	0	ew	ew	10 YR 6/6	
49.68	51.21	1.53	0.00	0	0.00	0	ew	ew		
51.21	52.73	1.52	1.07	70	0.00	0	ew	ew	10 YR 4/6	
52.73	54.25	1.52	0.35	23	0.00	0	ew	ew	7.5 YR 4/6	
54.25	55.78	1.53	0.34	22	0.00	0	ew	ew	7.5 YR 3/3	
55.78	57.30	1.52	0.58	38	0.00	0	ew	ew	7.5 YR 4/6	
57.30	58.83	1.53	1.13	74	0.00	0	ew	ew	7.5 YR 4/6	
58.83	60.35	1.52	0.57	37	0.00	0	ew	ew	5 YR 2.5/1	
60.35	61.87	1.52	0.11	7	0.00	0	ew	ew		
61.87	63.40	1.53	0.52	34	0.00	0	ew	ew	5 YR 4/6	
63.40	64.92	1.52	0.50	33	0.00	0	ew	ew	7.5 YR 4/3	
64.92	66.45	1.53	1.05	69	0.00	0	ew	ew	7.5 YR 4/3	
66.45	67.97	1.52	1.32	87	0.00	0	ew	ew	7.5 YR 3/4	
67.97	68.88	0.91	0.57	63	0.00	0	ew	ew		
68.88	71.74	2.86	-	-	-	-	-	-	-	Lost core due to reduction to HQ
71.74	72.54	0.80	0.79	99	0.00	0	ew	ew	7.5 YR 4/6	
72.54	74.07	1.53	1.42	93	0.17	11	ew	ew	7.5 YR 4/6	
74.07	75.59	1.52	1.24	82	0.00	0	ew	ew	7.5 YR 4/6	
75.59	77.11	1.52	1.35	89	0.00	0	ew	ew	5 YR 4/6	
77.11	78.64	1.53	1.34	88	0.11	7	ew	ew	7.5 YR 6/6	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
78.64	80.16	1.52	1.39	91	0.00	0	ew	ew	2.5 YR 4/6	
80.16	81.69	1.53	1.10	72	0.00	0	ew	ew	2.5 YR 4/6	
81.69	83.21	1.52	1.26	83	0.00	0	ew	ew	7.5 YR 5/8	
83.21	84.73	1.52	1.45	95	0.00	0	ew	ew	7.5 YR 5/6	
84.73	86.26	1.53	1.27	83	0.00	0	ew	ew	2.5 YR 4/6	
86.26	87.78	1.52	0.84	55	0.00	0	ew	ew	2.5 YR 4/8	
87.78	89.31	1.53	1.26	82	0.00	0	ew	ew	5 YR 4/6	
89.31	90.83	1.52	1.49	98	0.33	22	ew	ew	5 YR 4/6	
90.83	92.35	1.52	1.43	94	0.65	43	ew	ew	7.5 YR 5/8	
92.35	93.88	1.53	1.37	90	0.73	48	ew	ew	7.5 YR 6/6	
93.88	95.40	1.52	1.52	100	0.00	0	ew	ew	10 YR 6/8	
95.40	96.93	1.53	1.50	98	0.00	0	ew	ew	10 YR 6/8	
96.93	98.45	1.52	1.30	86	0.00	0	ew	ew	10 YR 6/8	
98.45	99.97	1.52	1.39	91	0.00	0	ew	ew	10 YR 5/8	
99.97	101.50	1.53	1.48	97	0.00	0	ew	ew	10 YR 5/8	
101.50	103.02	1.52	1.50	99	0.00	0	ew	ew	10 YR 6/8	
103.02	104.55	1.53	1.31	86	0.00	0	ew	ew	10 YR 6/8	
104.55	106.07	1.52	1.52	100	0.00	0	ew	ew	10 YR 6/8	
106.07	107.59	1.52	1.52	100	0.00	0	ew	ew	10 YR 6/8	
107.59	109.12	1.53	1.44	94	0.00	0	ew	ew	10 YR 6/8	
109.12	110.64	1.52	1.39	91	0.00	0	ew	ew	10 YR 6/8	
110.64	112.17	1.53	1.43	93	0.30	20	ew	ew	2.5 Y 5/4	
112.17	113.69	1.52	1.34	88	0.00	0	ew	ew	10 YR 5/8	
113.69	115.21	1.52	1.44	95	0.00	0	ew	ew	7.5 YR 5/8	
115.21	116.74	1.53	1.53	100	0.00	0	ew	ew	7.5 YR 5/8	
116.74	118.26	1.52	1.47	97	0.00	0	ew	ew	7.5 YR 4/6	
118.26	119.79	1.53	1.29	84	0.00	0	ew	ew	2.5 YR 4/6	
119.79	121.31	1.52	0.68	45	0.35	23	ms	hw	7.5 YR 6/8	
121.31	122.83	1.52	1.35	89	1.26	83	s	sw		
122.83	124.36	1.53	1.41	92	1.25	82	s	sw		
124.36	125.88	1.52	1.52	100	1.22	80	s	sw		
125.88	127.41	1.53	1.50	98	1.41	92	s	sw		
127.41	128.93	1.52	1.36	89	1.25	82	s	sw		
128.93	130.45	1.52	1.40	92	0.63	41	ms	sw		
130.45	131.37	0.92	0.65	71	0.36	39	ms	sw		E.O.H.

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-121

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00			-	
2.00			-	
3.00			-	
4.00			-	
5.00	LST		0.53	
6.00	LST		4.27	
7.00	LST		3.18	
8.00	LST		0.76	
9.00	LST		4.30	
10.00	LST		2.07	
11.00	LST		2.72	
12.00	LST		4.20	
13.00	LST		2.67	
14.00	LST		3.00	
15.00	LST		6.94	
16.00	LST		8.93	
17.00	LST		0.00	
18.00	LST		2.57	
19.00	LST		14.40	
20.00	LST		7.19	
21.00	LST		3.83	
22.00	LST		9.14	
23.00	LST		7.56	
24.00	LST		10.40	
25.00	LST		23.00	
26.00	LST		2.63	
27.00	OX		7.07	
28.00	OX		7.44	
29.00	OX		6.60	
30.00	OX		6.24	
31.00	OX		15.60	
32.00	OX		4.83	
33.00	OX		10.90	
34.00	OX		0.62	
35.00	OX		9.29	
36.00	OX		7.10	
37.00	OX		3.80	
38.00	OX		7.39	
39.00	OX		10.50	
40.00	OX		4.79	
41.00	OX		8.37	
42.00	OX		6.49	
43.00	OX		14.40	
44.00	OX		6.20	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	OX		15.90	
46.00	OX		15.10	
47.00	OX		7.50	
48.00	OX		5.89	
49.00	OX		9.04	
50.00	OX		-	
51.00	OX		-	
52.00	OX		11.80	
53.00	OX		2.63	
54.00	OX		1.85	
55.00	OX		4.82	
56.00	OX		4.98	
57.00	OX		10.40	
58.00	OX		12.60	
59.00	OX		4.98	
60.00	OX		6.18	
61.00	OX		9.38	
62.00	OX		7.12	
63.00	OX		5.68	
64.00	OX		8.55	
65.00	OX		8.67	
66.00	OX		6.30	
67.00	OX		8.12	
68.00	OX		7.25	
69.00	OX		6.32	
70.00	OX		7.13	
71.00	OX		11.21	
72.00	OX		1.46	
73.00	OX		3.80	
74.00	OX		8.71	
75.00	OX		1.63	
76.00	OX		3.29	
77.00	OX		2.81	
78.00	OX		8.74	
79.00	OX		4.11	
80.00	OX		1.19	
81.00	OX		1.32	
82.00	OX		3.20	
83.00	OX		0.87	
84.00	OX		0.67	
85.00	OX		5.32	
86.00	OX		1.98	
87.00	OX		1.62	
88.00	OX		0.37	
89.00	OX		5.47	
90.00	OX		8.21	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	OX		7.65	
92.00	OX		1.42	
93.00	OX		0.80	
94.00	OX		7.77	
95.00	OX		4.05	
96.00	OX		1.90	
97.00	OX		9.50	
98.00	OX		0.67	
99.00	OX		5.49	
100.00	OX		7.95	
101.00	OX		4.71	
102.00	OX		1.49	
103.00	OX		0.52	
104.00	OX		2.07	
105.00	OX		4.33	
106.00	OX		2.58	
107.00	OX		5.82	
108.00	OX		1.59	
109.00	OX		2.53	
110.00	OX		1.62	
111.00	OX		3.17	
112.00	OX		14.32	
113.00	OX		10.09	
114.00	OX		6.11	
115.00	OX		7.42	
116.00	OX		1.11	
117.00	OX		5.93	
118.00	OX		1.07	
119.00	OX		4.33	
120.00	MBL		7.82	
121.00	DOL		0.00	
122.00	DOL		0.43	
123.00	DOL		1.78	
124.00	DOL		0.28	
125.00	DOL		0.58	
126.00	DOL		2.88	
127.00	DOL		1.51	
128.00	DOL		3.57	
129.00	DOL		3.41	
130.00	DOL		1.89	
131.00	DOL		2.35	E.O.H.

DENSITY LOG

HOLE: Rau-10-121

Depth (m)	Unit	Modifier	Texture	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Time	Density	Specific Gravity
				Py %	As %	Other	%							
96.50	OX	CLY						bright orange brown gritty cla	15.7	6.1	1044.9		2.30	1.00
118.30	OX	GRT						medium dark red brown oxide gri	14.9	6.1	1096.5		2.54	1.00
102.20	OX								16.5	6.1	1008.3	07:45	2.11	1.00
									16.5	6.1	840.3	09:00	1.76	1.00
									16.5	6.1	821.2	10:00	1.72	1.00
									16.5	6.1	817.6	11:00	1.71	1.00
									16.5	6.1	817.6	12:00	1.71	1.00
									16.5	6.1	817.5	01:00	1.71	1.00
119.30	OX								15.7	6.1	992.4	07:45	2.19	1.00
									15.7	6.1	774.0	09:00	1.70	1.00
									15.7	6.1	726.3	10:00	1.60	1.00
									15.7	6.1	719.0	11:00	1.58	1.00
									15.7	6.1	718.0	12:00	1.58	1.00
									15.7	6.1	717.9	01:00	1.58	1.00

HOLE: Rau-10-121

Box #	Diameter (cm)	From (m)	To (m)	Unit	Modifier	Recovery	Weight	Density	Comments
21	6.1	75.82	80.10	OX		3.77	50.5	2.10	
22	6.1	80.10	84.51	OX		3.78	46.5	1.93	
23	6.1	84.51	89.31	OX		3.49	44.5	2.00	
24	6.1	89.31	93.70	OX		4.04	54.5	2.12	
25	6.1	93.70	97.54	OX		3.86	52.5	2.13	
26	6.1	97.54	101.89	OX		4.02	55.5	2.17	
27	6.1	101.89	106.07	OX		3.37	52.5	2.44	
28	6.1	106.07	110.09	OX		3.84	55.5	2.27	
29	6.1	110.09	113.98	OX		3.44	51.5	2.35	
30	6.1	113.98	117.71	OX		3.58	50.5	2.21	

BOX LOG

HOLE: Rau-10-121

BOX	FROM (m)	TO (m)
1	0.91	8.06
2	8.06	10.61
3	10.61	13.07
4	13.07	15.27
5	15.27	18.24
6	18.24	20.90
7	20.90	23.77
8	23.77	26.82
9	26.82	29.87
10	29.87	32.92
11	32.92	35.81
12	35.81	39.01
13	39.01	44.10
14	44.10	47.90
15	47.90	52.13
16	52.13	57.63
17	57.63	63.30
18	63.30	66.94
19	66.94	71.74
20	71.74	75.82
21	75.82	80.10
22	80.10	84.51
23	84.51	89.31
24	89.31	93.70
25	93.70	97.54
26	97.54	101.89
27	101.89	106.07
28	106.07	110.09
29	110.09	113.98
30	113.98	117.71
31	117.71	122.46
32	122.46	126.23
33	126.23	130.32
34	130.32	131.37
131.37 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
10+103NE	10+325NW	528359	7119352	1382	103.02

ZONE: Oxide

SECTION: 10+325NW

HOLE: **Rau-10-122**

CLAIM:

Contractor: Superior

Drill: 2

Core size: PQ

Casing depth: 6.10 m out

Drilling dates: September 19-22, 2010

Geology logged by: K. Wynne

TARGET: Oxide Zone

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-60.0	compass				

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	6.70	6.70	OVB	
6.70	12.00	5.30	LST	Moderate MBL.
12.00	14.45	2.45	OX	Remnant SER from VOL.
14.45	53.00	38.55	LST	Moderate strong MBL.
53.00	94.24	41.24	OX	
94.24	103.02	8.78	LST	Strong DOL, moderate strong OX.
103.02	E.O.H.			

SAMPLES

Numbers: I077767-I077778, I077794-I077819

Total: 38

Batch: 91, 92, 93

Date Sent: September 24, 27, 28

Certificate: VA10139134, VA10143564, VA10143565

COMMENTS

The hole was ended because it was passed the target oxide horizon.

GEOLOGY LOG

HOLE: Rau-10-122

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	6.70	6.70				OVB			Overburden - no recovery																		
6.70	12.00	5.30				LST	MBL		Medium to light grey FO LST, very broken, with OX in thin layers following FO, on FX, and through zones < 5 cm wide. OX medium brown. LST variably intense to weakly MBL, moderate overall.	FO	60					f		MBL	m							
12.00	14.45	2.45				OX	VOL		Light green grey and light yellow to dark green brown or orange brown, intense OX interval with relic FO, which is followed by FX. Light green grey SER locally; OX VOL. Very broken, non-calcareous.	FX	60							SER	w							
14.45	53.00	38.55				LST	MBL		Medium to light grey FG LST, very broken, with rubble zones ~1 m long variably MBL. Moderate strong MBL overall. OX on FX, in thin layers following FO, and through zones < 20 cm. OX orange brown to very light brown, increasing toward lCN.	FO	60					f		MBL	ms							
53.00	94.24	41.24				OX			Orange brown to dark brown clay to grit with local LST core which is moderate OX.								s										
			53.00	64.13	11.13	OX			Orange brown clay to grit, non-calcareous . uCN light brown calcareous for first 30 cm with LST rubble.																		
			64.13	67.40	3.27	OX			Light orange brown to brown calcareous clay to LST rubble, locally with dark grey seams forming cBX visible. Irregular CN between LST and OX. LST moderately OX. ~ 35% LST.																		
			67.40	69.49	2.09	OX			Orange brown clay to SID grit, non-calcareous, predominantly silt.								f									
			69.49	74.51	5.02	OX	SID		Red orange brown with dark brown and orange brown mottle in centre. Clay to grit, predominantly silt. Non-calcareous.								s									
			74.51	78.64	4.13	OX			Orange brown clay to grit, predominantly silt, non calcareous.								w									
			78.64	82.35	3.71	OX			Orange brown to very dark green brown SID rubble to silt, with SID crystals locally FG to MG.								i									
			82.35	83.15	0.80	OX			Light orange brown with light grey patches, clay to grit, predominantly grit. Non-calcareous.																		
			83.15	94.24	11.09	OX			Red brown OX and SID clay to rubble, with SID rubble zones and FG to MG SID crystals. Non-calcareous until last 10 cm gradational lCN.								i									

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
94.24	103.02	8.78				LST	DOL		Light grey strong DOL LST, cBX by thin medium grey seams and thin SID VT. Locally have medium grey non-calcareous sBX clasts forming irregular layers. Intense OX near uCN, gradationally becoming weak OX, mostly on FX. SID VT commonly have same orientation with 25 to 40 degree orientation TCA.	VT	30			s		ms	w											
			94.24	95.90	1.66	LST	OX		Light brown calcareous silt to rubble with LST rubble through interval. OX and SID on broken surfaces.																		
									103.02 m: E.O.H. - Hole ended because target oxide horizon was passed.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-122

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
49.68	51.21	1.53	LST	MBL	1.10	72	I077767	91					
51.21	52.73	1.52	LST	MBK	1.42	93	I077768	92					
52.73	54.25	1.52	OX		1.51	99	I077769	92					
54.25	55.78	1.53	OX		1.48	97	I077770	92					
55.78	57.30	1.52	OX		1.52	100	I077771	92					
-	-	-	-	-	-	-	I077772	92					Standard ROS-1
57.30	58.83	1.53	OX		0.23	15	I077773	92					
58.83	60.35	1.52	OX		1.52	100	I077774	92					
60.35	61.87	1.52	OX		1.51	99	I077775	92					
61.87	63.40	1.53	OX		1.53	100	I077776	92					
63.40	64.92	1.52	OX		1.50	99	I077777	92					
-	-	-	-	-	-	-	I077778	92					Blank HQ
64.92	66.45	1.53	OX		0.63	41	I077794	92					
66.45	67.97	1.52	OX		1.52	100	I077795	92					
67.97	69.49	1.52	OX		1.41	93	I077796	92					
69.49	71.02	1.53	OX		1.52	99	I077797	92					
-	-	-	-	-	-	-	I077798	92					Duplicate
71.02	72.54	1.52	OX		1.32	87	I077799	92					
72.54	74.07	1.53	OX		1.41	92	I077800	92					
74.07	75.59	1.52	OX		1.45	95	I077801	92					
75.59	77.11	1.52	OX		1.37	90	I077802	92					
77.11	78.64	1.53	OX		1.52	99	I077803	92					
78.64	80.16	1.52	OX		0.64	42	I077804	93					
80.16	81.69	1.53	OX		1.22	80	I077805	93					
81.69	83.21	1.52	OX		1.46	96	I077806	93					
83.21	84.73	1.52	OX		1.36	89	I077807	93					
84.73	86.26	1.53	OX		1.33	87	I077808	93					
-	-	-	-	-	-	-	I077809	93					Standard ROS-3
86.26	87.78	1.52	OX		1.52	100	I077810	93					
87.78	89.31	1.53	OX		1.29	84	I077811	93					
89.31	90.83	1.52	OX		1.44	95	I077812	93					
90.83	92.35	1.52	OX		1.26	83	I077813	93					

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
92.35	93.88	1.53	OX		0.55	36	I077814	93					
-	-	-	-	-	-	-	I077815	93					Blank HQ
93.88	95.40	1.52	OX		1.33	87	I077816	93					
95.40	96.93	1.53	LST	DOL	1.25	82	I077817	93					
96.93	98.45	1.52	LST	DOL	1.50	99	I077818	93					
98.45	99.97	1.52	LST	DOL	1.52	100	I077819	93					

GEOTECHNICAL LOG

HOLE: Rau-10-122

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
0.00	7.01	7.01	0.30	4	0.00	0	V/W	H/W		
7.01	8.53	1.52	0.17	11	0.00	0	V/W	H/W		
8.53	10.06	1.53	0.65	42	0.00	0	V/W	H/W		
10.06	11.58	1.52	1.00	66	0.21	14	V/W	H/W		
11.58	13.11	1.53	1.21	79	0.00	0	V/W	H/W	2.5y5/4	
13.11	14.63	1.52	1.10	72	0.00	0	V/W	H/W	2.5y5/2	
14.63	16.15	1.52	1.42	93	0.32	21	V/W	H/W		
16.15	17.69	1.54	1.15	75	0.00	0	V/W	H/W		
17.69	19.21	1.52	1.25	82	0.17	11	V/W	H/W		
19.21	20.73	1.52	1.40	92	0.60	39	V/W	H/W		
20.73	22.25	1.52	1.50	99	0.25	16	V/W	H/W		
22.25	23.77	1.52	1.30	86	0.10	7	V/W	H/W		
23.77	25.30	1.53	1.36	89	0.10	7	V/W	H/W		
25.30	26.82	1.52	1.42	93	0.00	0	V/W	H/W		
26.82	28.35	1.53	1.46	95	0.59	39	V/W	H/W		
28.35	29.87	1.52	1.52	100	0.36	24	V/W	H/W		
29.87	31.39	1.52	1.20	79	0.30	20	V/W	H/W		
31.39	32.92	1.53	1.45	95	0.50	33	V/W	H/W		
32.92	34.44	1.52	1.42	93	0.00	0	V/W	H/W		
34.44	35.97	1.53	1.29	84	0.00	0	V/W	H/W		
35.97	37.49	1.52	1.35	89	0.39	26	V/W	H/W		
37.49	39.01	1.52	1.45	95	0.22	14	V/W	H/W		
39.01	40.54	1.53	1.41	92	0.25	16	V/W	H/W		
40.54	42.06	1.52	1.45	95	0.00	0	V/W	H/W		
42.06	43.59	1.53	1.09	71	0.00	0	V/W	H/W		
43.59	45.11	1.52	1.52	100	0.00	0	V/W	H/W		
45.11	46.63	1.52	1.39	91	0.16	11	V/W	H/W		
46.63	48.16	1.53	1.37	90	0.00	0	V/W	H/W		
48.16	49.68	1.52	1.52	100	0.34	22	V/W	H/W		
49.68	51.21	1.53	1.10	72	0.22	14	V/W	H/W		
51.21	52.73	1.52	1.42	93	0.00	0	V/W	H/W		
52.73	54.25	1.52	1.51	99	0.00	0	V/W	H/W	2.5yr4/6	
54.25	55.78	1.53	1.48	97	0.00	0	V/W	H/W	2.5yr3/6	
55.78	57.30	1.52	1.52	100	0.00	0	V/W	H/W	7.5yr4/6	
57.30	58.83	1.53	1.23	80	0.00	0	V/W	H/W	7.5yr4/6	
58.83	60.35	1.52	1.52	100	0.00	0	V/W	H/W	5yr4/6	
60.35	61.87	1.52	1.51	99	0.00	0	V/W	H/W	5yr4/6	
61.87	63.40	1.53	1.53	100	0.00	0	V/W	H/W	7.5yr4/6	
63.40	64.92	1.52	1.50	99	0.00	0	V/W	H/W	7.5yr4/4	
64.92	66.45	1.53	0.63	41	0.00	0	V/W	H/W		
66.45	67.97	1.52	1.52	100	0.00	0	V/W	H/W	7.5yr5/8	
67.97	69.49	1.52	1.41	93	0.00	0	V/W	H/W	10yr5/8	
69.49	71.02	1.53	1.52	99	0.00	0	V/W	H/W	5yr4/6	
71.02	72.54	1.52	1.32	87	0.00	0	V/W	H/W	2.5yr2.5/3	
72.54	74.07	1.53	1.41	92	0.00	0	V/W	H/W	2.5yr2.5/3	
74.07	75.59	1.52	1.45	95	0.00	0	V/W	H/W	2.5yr 3/6	
75.59	77.11	1.52	1.37	90	0.00	0	V/W	H/W	5yr4/6	
77.11	78.64	1.53	1.52	99	0.00	0	V/W	H/W	5yr4/6	
78.64	80.16	1.52	0.64	42	0.00	0	V/W	H/W	5yr3/4	
80.16	81.69	1.53	1.22	80	0.00	0	V/W	H/W	5yr4/6	
81.69	83.21	1.52	1.46	96	0.00	0	V/W	H/W	7.5yr6/8	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
83.21	84.73	1.52	1.36	89	0.00	0	V/W	H/W	7.5yr2.5/3	
84.73	86.26	1.53	1.33	87	0.00	0	V/W	H/W	5yr4/6	
86.26	87.78	1.52	1.52	100	0.00	0	V/W	H/W	2.5yr3/6	
87.78	89.31	1.53	1.29	84	0.00	0	V/W	H/W	5yr2.5/2	
89.31	90.83	1.52	1.44	95	0.00	0	V/W	H/W	5yr3/4	
90.83	92.35	1.52	1.26	83	0.00	0	V/W	H/W	7.5yr4/6	
92.35	93.88	1.53	0.55	36	0.00	0	V/W	H/W	7.5yr4/4	
93.88	95.40	1.52	1.33	87	0.00	0	V/W	H/W	7.5yr4/4	
95.40	96.93	1.53	1.25	82	0.93	61	V/W	H/W	7.5yr2.5/3	
96.93	98.45	1.52	1.50	99	0.39	26	MS	H/W		
98.45	99.97	1.52	1.52	100	0.97	64	W	H/W		
99.97	101.49	1.52	1.40	92	1.16	76	MS	H/W		
101.49	103.02	1.53	1.52	99	1.11	73	MS	H/W		E.O.H.

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-122

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00				
2.00				
3.00				
4.00				
5.00				
6.00				
7.00	LST	MBL	0.16	
8.00	LST	MBL	0.22	
9.00	LST	MBL	1.67	
10.00	LST	MBL	0.91	
11.00	LST	MBL	7.75	
12.00	LST	MBL	4.04	
13.00	OX		1.67	
14.00	OX		2.64	
15.00	LST	MBL	4.88	
16.00	LST	MBL	3.86	
17.00	LST	MBL	0	
18.00	LST	MBL	0	
19.00	LST	MBL	2.22	
20.00	LST	MBL	2.1	
21.00	LST	MBL	3.52	
22.00	LST	MBL	0	
23.00	LST	MBL	1.04	
24.00	LST	MBL	7.08	
25.00	LST	MBL	0.22	
26.00	LST	MBL	3.21	
27.00	LST	MBL	0.56	
28.00	LST	MBL	0.78	
29.00	LST	MBL	3.72	
30.00	LST	MBL	3.67	
31.00	LST	MBL	1.02	
32.00	LST	MBL	7.69	
33.00	LST	MBL	2.22	
34.00	LST	MBL	0.00	
35.00	LST	MBL	1.90	
36.00	LST	MBL	0.63	
37.00	LST	MBL	0.42	
38.00	LST	MBL	1.89	
39.00	LST	MBL	0.29	
40.00	LST	MBL	0.79	
41.00	LST	MBL	3.78	
42.00	LST	MBL	1.68	
43.00	LST	MBL	4.02	
44.00	LST	MBL	3.09	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	LST	MBL	1.37	
46.00	LST	MBL	0.39	
47.00	LST	MBL	0.47	
48.00	LST	MBL	0.00	
49.00	LST	MBL	0.13	
50.00	LST	MBL	3.41	
51.00	LST	MBL	1.33	
52.00	LST	MBL	0.00	
53.00	OX		6.15	
54.00	OX		3.15	
55.00	OX		3.53	
56.00	OX		3.99	
57.00	OX		5.15	
58.00	OX		6.03	
59.00	OX		3.99	
60.00	OX		2.82	
61.00	OX		10.50	
62.00	OX		9.50	
63.00	OX		8.49	
64.00	OX		11.00	
65.00	OX		6.89	
66.00	OX		9.22	
67.00	OX		6.52	
68.00	OX		10.40	
69.00	OX		7.65	
70.00	OX		11.00	
71.00	OX		5.18	
72.00	OX		5.63	
73.00	OX		3.36	
74.00	OX		6.15	
75.00	OX		5.50	
76.00	OX		6.76	
77.00	OX		4.27	
78.00	OX		4.98	
79.00	OX		3.18	
80.00	OX		5.22	
81.00	OX		3.06	
82.00	OX		4.52	
83.00	OX		3.33	
84.00	OX		7.45	
85.00	OX		2.84	
86.00	OX		4.15	
87.00	OX		0.00	
88.00	OX		2.72	
89.00	OX		7.68	
90.00	OX		5.83	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	OX		3.25	
92.00	OX		5.56	
93.00	OX		6.42	
94.00	OX		4.63	
95.00	LST	DOL	3.31	
96.00	LST	DOL	7.04	
97.00	LST	DOL	6.33	
98.00	LST	DOL	5.38	
99.00	LST	DOL	6.63	
100.00	LST	DOL	4.52	
101.00	LST	DOL	9.36	
102.00	LST	DOL	12.03	
103.00	LST	DOL	2.61	E.O.H.

DENSITY LOG

HOLE: Rau-10-122

Depth (m)	Unit	Modifier	Texture	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	TIME	Density
				Py %	As %	Other	%						
59.00	OX							Crumbly orange brown	13.5	8.5	1515.6	10:00	2.00
									13.5	8.5	1305.2	11:00	1.72
									13.5	8.5	1131.4	12:00	1.49
									13.5	8.5	1045.1	01:10	1.38
									13.5	8.5	1000.9	02:10	1.32
									13.5	8.5	964.5	03:40	1.27
									13.5	8.5	950.3	04:40	1.25
									13.5	8.5	943.3	05:40	1.24
61.00	OX							yellowy clay rich; compact.	15.4	8.5	1848.9	10:00	2.14
									15.4	8.5	1641.9	11:00	1.90
									15.4	8.5	1477.4	12:00	1.71
									15.4	8.5	1403.1	01:10	1.62
									15.4	8.5	1379.6	02:10	1.59
									15.4	8.5	1372.2	03:40	1.58
									15.4	8.5	1369.0	04:40	1.58
									15.4	8.5	1367.1	05:40	1.58
70.00	OX								14.8	8.5	1891.3	08:30	2.27
									14.8	8.5	1713.2	09:30	2.06
									14.8	8.5	1562.0	10:30	1.88
									14.8	8.5	1471.9	11:50	1.77
									14.8	8.5	1417.3	01:10	1.70
									14.8	8.5	1388.8	02:40	1.67
									14.8	8.5	1379.0	03:40	1.66
									14.8	8.5	1371.7	04:50	1.65
									14.8	8.5	1368.8	05:25	1.64
77.50	OX								14.3	8.5	1834.1	08:30	2.28
									14.3	8.5	1684.2	09:30	2.09
									14.3	8.5	1532.6	10:30	1.91

DENSITY LOG

									14.3	8.5	1431.9	11:50	1.78
									14.3	8.5	1374.8	01:10	1.71
									14.3	8.5	1350.1	02:40	1.68
									14.3	8.5	1342.6	03:40	1.67
									14.3	8.5	1337.6	04:50	1.66
									14.3	8.5	1335.6	05:25	1.66

BOX LOG

HOLE: Rau-10-122

BOX	FROM (m)	TO (m)
1	0.00	10.20
2	10.20	13.11
3	13.11	16.09
4	16.09	18.45
5	18.45	21.15
6	21.15	23.62
7	23.62	25.90
8	25.90	28.55
9	28.55	31.39
10	31.39	34.23
11	34.23	36.22
12	36.22	39.78
13	39.78	41.38
14	41.38	44.03
15	44.03	46.63
16	46.63	49.38
17	49.38	51.98
18	51.98	54.60
19	54.60	57.30
20	57.30	60.12
21	60.12	62.66
22	62.66	65.14
23	65.14	68.72
24	68.72	71.45
25	71.45	74.51
26	74.51	77.46
27	77.46	80.83
28	80.83	83.46
29	83.46	85.95
30	85.95	88.34
31	88.34	91.19
32	91.19	95.20
33	95.20	97.80
34	97.80	100.55
35	100.55	103.02
103.02 m - E.O.H.		

RAU PROPERTY

	Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
ZONE: Tiger	10+087NE	10+085NW	528505	7119162	1270	

SECTION: 10+085NW

HOLE: **Rau-10-123**

CLAIM:

Contractor: Superior

Drill: 3

Core size: HQ

Casing depth: 3.05 m out

Drilling dates: September 19-20, 2010

Geology logged by: K. Wynne

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-60.0	compass				

TARGET: Tiger sulphide zone

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	1.69	1.69	OVB	
1.69	12.26	10.57	LST	Intense DOL sBX.
12.26	26.59	14.33	VOL	Variably SER, BIO, and CHL altered.
26.59	42.02	15.43	LST	Intense DOL sBX.
42.02	89.16	47.14	DOL	With Py, As, and Po MX.
89.16	128.93	39.77	LEP	
128.93	E.O.H.			

SAMPLES

Numbers: I077743-I077766, I077779-I077793

Total: 39

Batch: 91, 92

Date Sent: September 24, 27 2010

Certificate: VA10139134, VA10143564

COMMENTS

The hole was ended because the target depth had been passed.

GEOLOGY LOG

HOLE: Rau-10-123

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	1.69	1.69				OVB																					
1.69	12.26	10.57				LST	DOL		Medium to dark grey DOL LST, with zones of intense MG to CG DOL/ANK crystals forming irregular VN. DOL crystals separated by thin grey seam ("cataclastic"). lCN gradational. Trace disseminated Py in CG DOL, and trace OX MX, likely Py. Thin black stylolitic seams within DOL, on CN of DOL and LST, and through LST. Weak OX on FX and through zones < 10 cm. Gradational lCN.					i		w			t							
12.26	26.59	14.33				VOL			Green buff to dark blue grey VOL, variably SER, CHL, BIO, with local Ca and locally magnetic.	FO	60															
			12.26	16.10	3.84	VOL	SER		Light green buff SER VOL, with Ca/DOL VT on FO and vFG to FG bright brassy weak Py disseminated in layers on FO. Increasing DOL/Qz within VOL toward lCN, as irregular interlayers disruption FO. lCN gradational, with increasing BIO and vFG Ca.									SER	i	w						
			16.10	19.60	3.50	VOL			Dark blue grey to black, strong BIO, moderate strong CHL, with vFG Ca spots disseminated throughout and Ca VT on FO. Unmineralized.									BIO	s							
																		CHL	ms								
			19.60	22.25	2.65	VOL	Mg		Medium blue grey moderate strong CHL with moderate BIO, grades into green buff intense SER VOL, then back to CHL over intervals ~ 1 m long. Magnetic due to trace Po locally and FG Mg. Last meter has strong BIO and SER, with local trace Py and Ca patches.									CHL	ms	t		t	Mg	t			
																		SER	ms								
																		BIO	m								
			22.25	24.92	2.67	VOL	CGL		Green buff SER VOL with elongate rounded clasts of BIO/Ca up to 1 cm wide. Clasts grade to blue grey non-calcareous clasts down interval, with intermediate clasts visible. Trace Py throughout, locally up to intense.									SER	i	w						
			23.85	24.04	0.19				Zone of intense FG to MG brassy Py											i							
			24.92	26.59	1.67	VOL	SER		Bright green buff to green grey intense SER interval with FG Py on FO and MG brassy Py in Ca/DOL blebs elongate on FO. Very gradational lCN into LST, increasingly calcareous after 26 m.									SER	i	w						

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
26.59	42.02	15.43				LST	DOL		Dark to light grey intense DOL LST, locally strong SIL. sBX by GF to CG DOL. OX on FX and local OX of Py. Py FG to MG disseminated in weak amounts.					i				SIL	w	w								
			26.59	28.93	2.34	LST			Dark to medium grey LST with moderate DOL. Medium grey LST more calcareous than dark grey, have weak sBX. DOL increases down interval. Trace FG Py disseminated. Thin black to green grey seams ~ 0.5 cm apart though first meter. Gradational uCN with VOL? Trace talc in DOL VT with Ca associated.					m						t				Tc	t				
			28.93	34.28	5.35	LST	DOL		Light grey intense DOL, sBX LST, locally strong SIL, with trace talc as FG unoriented flakes disseminated, on FX, and associated with Ca. Black elongate FG mineral disseminated in trace amounts. FG Py disseminated in thin layers and zones, locally intense Po. OX on FX, and of Py locally. Light grey colour due to SIL?					i				SIL	f	w		t		Tc	t				
			34.28	42.02	7.74	LST	DOL		Dark to medium grey LST, intense DOL and sBX by FG to MG DOL, locally mBX. Weak FG to MG Py increasing toward lCN. Trace vCG As in DOL, Trace Po associated with talc patches and layers, and with trace Qz blebs and VN. Gradational lCN into DOL.					i						w	t	t		Tc	f				
42.02	89.16	47.14				DOL			Light grey FG to vCG DOL, Qz and talc rich, with trace scheelite in patches within DOL. Local intense DOL LST zones and < 5 cm dark grey soft layer undolomitized. Fair bright brassy Py, locally intense, FG to MG, disseminated in zones and thin layers defining FO. Trace MG to CG dull grey As, and trace FG to MG Po associated with Py. As commonly in Tc zones. Scheelite is peachy coloured, blebs < 3 cm in DOL. Trace Bs at 64 m.	FO	60									f	t	t	Sh	t	Tc	f				
									Qz/Talc VT to VN cross-cut Py layers defining FO at various orientations, usually ~ 20 to 35 degrees TCA, and 190 to 280 degrees TFA.	VN	30	280																		
			44.45	45.44	0.99	LST	DOL		intense DOL sBX LST, dark grey with white DOL . Talc alteration and trace MG Py and Po. Thin black seams in last 15 cm. Gradational CN.					i						t		t		Tc	w				
			52.46	52.50	0.04				Dark grey brown non-calcareous soft layer in DOL, with Py on rims. "Speliothems" or VOL interlayer?																				

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								PHOTO
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			65.05	69.13	4.08	LST	DOL		Intense DOL sBX LST, dark grey with FG to vCG DOL and DOL interzones. Py predominantly in DOL zones as FG to MG layers and disseminated throughout. Trace CG As in DOL					i						w	t						
			69.13	70.42	1.29				vCG DOL, Qz, and semi-massive CG bright brassy Py.											i							
			81.08	83.79	2.71				Interval of vCG DOL, Qz, and talc, with MG to vCG bright brassy Py disseminated locally. Qz as rounded blebs with talc as matrix forming thin zones between Qz.											w			Tc	i			x
89.16	128.93	39.77				LEP			Dark blue grey to brown with intense Ca patches and VT, CHL and lesser BIO LEP with thin SER and CHL patches without Ca. uCN BIO LEP with SER alteration patches and trace FG Py in Ca VT rims. Grades very slowly into weak CHL dark grey LEP with blue grey strong CHL layers, non-calcareous. Last meter has moderate SER to light green blue grey or dark blue grey LEP.									CHL	ms								
																		BIO	f								
									128.93 m: E.O.H - Hole ended because target depth was passed.																			

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-123

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
1.69	3.96	2.27	LST	DOL	1.93	85	I077743	91					
3.96	7.01	3.05	LST	DOL	2.95	97	I077744	91					
7.01	10.06	3.05	LST	DOL	2.84	93	I077745	91					
10.06	12.26	2.20	LST	DOL	2.15	98	I077746	91					
12.26	14.63	2.37	VOL		2.26	95	I077747	91					
14.63	17.68	3.05	VOL		3.05	100	I077748	91					
17.68	20.73	3.05	VOL		2.85	93	I077749	91					
20.73	23.77	3.04	VOL		2.72	89	I077750	91					
-	-	-	-	-	-	-	I077751	91					Blank HQ
23.77	26.59	2.82	VOL		2.45	87	I077752	91					
26.59	28.93	2.34	LST	DOL	2.33	100	I077753	91					
28.93	31.39	2.46	LST	DOL	2.27	92	I077754	91					
-	-	-	-	-	-	-	I077755	91					Standard RSS-7
31.39	34.28	2.89	LST	DOL	2.85	99	I077756	91					
34.28	35.97	1.69	LST	DOL	1.60	95	I077757	91					
35.97	39.01	3.04	LST	DOL	2.91	96	I077758	91					
39.01	42.02	3.01	LST	DOL	2.95	98	I077759	91					
42.02	44.40	2.38	DOL		2.38	100	I077760	91					
44.40	45.44	1.04	DOL		1.04	100	I077761	91					
45.44	48.16	2.72	DOL		2.48	91	I077762	91					
48.16	51.21	3.05	DOL		3.00	98	I077763	91					
48.16	51.21	3.05	DOL		3.00	98	I077764	91					Duplicate
51.21	54.25	3.04	DOL		3.04	100	I077765	91					
54.25	57.30	3.05	DOL		3.04	100	I077766	91					
57.30	58.82	1.52	DOL		1.52	100	I077779	92					
58.82	61.87	3.05	DOL		3.03	99	I077780	92					
61.87	64.92	3.05	DOL		2.90	95	I077781	92					
64.92	67.97	3.05	DOL		3.04	100	I077782	92					
67.97	71.02	3.05	DOL		2.96	97	I077783	92					
71.02	74.06	3.04	DOL		2.97	98	I077784	92					
74.06	77.11	3.05	DOL		2.99	98	I077785	92					
-	-	-	-	-	-	-	I077786	92					Standard RSS-6

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
77.11	80.16	3.05	DOL		2.87	94	I077787	92					
80.16	83.21	3.05	DOL		2.04	67	I077788	92					
83.21	86.26	3.05	DOL		2.95	97	I077789	92					
-	-	-	-	-	-	-	I077790	92					Blank HQ
86.26	89.16	2.90	DOL		2.84	98	I077791	92					
89.16	90.83	1.67	LEP		1.44	86	I077792	92					
90.83	93.88	3.05	LEP		2.99	98	I077793	92					

GEOTECHNICAL LOG

HOLE: Rau-10-123

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
0.00	3.96	3.96	1.93	49	1.00	25	ms	sw		
3.96	5.49	1.53	1.53	100	1.23	80	ms	fr		
5.49	7.01	1.52	1.42	93	0.87	57	ms	fr		
7.01	8.53	1.52	1.46	96	1.18	78	ms	fr		
8.53	10.06	1.53	1.38	90	1.38	90	ms	fr		
10.06	11.58	1.52	1.52	100	1.30	86	ms	fr		
11.58	13.11	1.53	1.53	100	1.22	80	ms	fr		
13.11	14.63	1.52	1.45	95	0.68	45	ms	fr		
14.63	16.15	1.52	1.52	100	1.00	66	ms	fr		
16.15	17.68	1.53	1.53	100	1.23	80	ms	fr		
17.68	19.20	1.52	1.47	97	0.87	57	ms	fr		
19.20	20.73	1.53	1.38	90	0.30	20	ms	fr		
20.73	22.25	1.52	1.37	90	0.86	57	ms	fr		
22.25	23.77	1.52	1.35	89	0.00	0	ms	fr		
23.77	25.30	1.53	1.50	98	0.00	0	ms	fr		
25.30	26.82	1.52	1.52	100	1.00	66	ms	fr		
26.82	28.35	1.53	1.53	100	1.53	100	ms	fr		
28.35	29.87	1.52	1.42	93	0.72	47	ms	fr		
29.87	31.39	1.52	1.52	100	1.12	74	ms	fr		
31.39	32.92	1.53	1.52	99	1.33	87	ms	fr		
32.92	34.44	1.52	1.51	99	1.51	99	ms	fr		
34.44	35.97	1.53	1.52	99	1.30	85	ms	fr		
35.97	37.49	1.52	1.42	93	1.23	81	ms	fr		
37.49	39.01	1.52	1.52	100	1.52	100	ms	fr		
39.01	40.54	1.53	1.48	97	1.31	86	ms	fr		
40.54	42.06	1.52	1.52	100	1.48	97	ms	fr		
42.06	43.59	1.53	1.53	100	1.53	100	ms	fr		
43.59	45.11	1.52	1.52	100	1.45	95	ms	fr		
45.11	46.63	1.52	1.52	100	1.45	95	ms	fr		
46.63	48.16	1.53	1.30	85	1.30	85	ms	fr		
48.16	49.68	1.52	1.52	100	1.48	97	ms	fr		
49.68	51.21	1.53	1.52	99	1.52	99	ms	fr		
51.21	52.73	1.52	1.52	100	1.52	100	ms	fr		
52.73	54.25	1.52	1.52	100	1.52	100	ms	fr		
54.25	55.78	1.53	1.52	99	1.52	99	ms	fr		
55.78	57.30	1.52	1.52	100	1.48	97	ms	fr		
57.30	58.82	1.52	1.52	100	1.37	90	ms	fr		
58.82	60.35	1.53	1.51	99	1.35	88	ms	fr		
60.35	61.87	1.52	1.52	100	1.28	84	ms	fr		
61.87	63.40	1.53	1.38	90	1.10	72	ms	fr		
63.40	64.92	1.52	1.52	100	1.05	69	ms	fr		
64.92	66.45	1.53	1.52	99	1.30	85	ms	fr		
66.45	67.97	1.52	1.52	100	0.56	37	ms	fr		
67.97	69.49	1.52	1.52	100	1.04	68	ms	fr		
69.49	71.02	1.53	1.44	94	1.21	79	ms	fr		
71.02	72.54	1.52	1.52	100	1.45	95	ms	fr		
72.54	74.06	1.52	1.45	95	0.92	61	ms	fr		
74.06	75.59	1.53	1.53	100	0.51	33	ms	fr		
75.59	77.11	1.52	1.47	97	1.22	80	ms	fr		
77.11	78.64	1.53	1.53	100	0.90	59	ms	fr		
78.64	80.16	1.52	1.35	89	0.77	51	ms	fr		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
80.16	81.69	1.53	1.52	99	1.12	73	ms	fr		
81.69	83.21	1.52	1.52	100	0.46	30	ms	fr		
83.21	84.73	1.52	1.45	95	1.08	71	ms	fr		
84.73	86.26	1.53	1.50	98	1.20	78	ms	fr		
86.26	87.78	1.52	1.46	96	0.83	55	ms	fr		
87.78	89.31	1.53	1.52	99	0.84	55	ms	fr		
89.31	90.83	1.52	1.52	100	0.15	10	ms	fr		
90.83	92.35	1.52	1.52	100	1.19	78	ms	fr		
92.35	93.88	1.53	1.47	96	1.11	73	ms	fr		
93.88	95.40	1.52	1.52	100	1.25	82	ms	fr		
95.40	96.92	1.52	1.43	94	1.11	73	ms	fr		
96.92	98.45	1.53	1.52	99	0.81	53	ms	fr		
98.45	99.97	1.52	1.48	97	1.07	70	ms	fr		
99.97	101.50	1.53	1.53	100	1.18	77	ms	fr		
101.50	103.02	1.52	1.53	101	1.30	86	ms	fr		
103.02	104.55	1.53	1.41	92	1.11	73	ms	fr		
104.55	106.07	1.52	1.42	93	1.28	84	ms	fr		
106.07	107.59	1.52	1.52	100	1.41	93	ms	fr		
107.59	109.12	1.53	1.47	96	1.14	75	ms	fr		
109.12	110.64	1.52	1.52	100	1.18	78	ms	fr		
110.64	112.17	1.53	1.52	99	1.29	84	ms	fr		
112.17	113.69	1.52	1.52	100	1.32	87	ms	fr		
113.69	115.21	1.52	1.52	100	1.36	89	ms	fr		
115.21	116.74	1.53	1.52	99	1.39	91	ms	fr		
116.74	118.26	1.52	1.50	99	1.35	89	ms	fr		
118.26	119.79	1.53	1.52	99	1.15	75	s	fr		
119.79	121.31	1.52	1.50	99	1.43	94	ms	fr		
121.31	122.83	1.52	1.52	100	1.26	83	ms	fr		
122.83	124.36	1.53	1.52	99	1.38	90	s	fr		
124.36	125.88	1.52	1.51	99	1.30	86	s	fr		
125.88	127.41	1.53	1.49	97	1.19	78	s	fr		
127.41	128.93	1.52	1.52	100	0.94	62	ms	fr		E.O.H.

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-123

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00			-	
2.00			-	
3.00	LST	DOL	8.71	
4.00	LST	DOL	1.86	
5.00	LST	DOL	0.25	
6.00	LST	DOL	0.80	
7.00	LST	DOL	1.44	
8.00	LST	DOL	0.31	
9.00	LST	DOL	0.87	
10.00	LST	DOL	1.20	
11.00	LST	DOL	4.62	
12.00	LST	DOL	3.52	
13.00	VOL		7.02	
14.00	VOL		2.28	
15.00	VOL		0.08	
16.00	VOL		1.42	
17.00	VOL		0.73	
18.00	VOL		3.69	
19.00	VOL		2.57	
20.00	VOL		2.92	
21.00	VOL		3.05	
22.00	VOL		3.12	
23.00	VOL		0.28	
24.00	VOL		1.64	
25.00	VOL		3.56	
26.00	VOL		1.46	
27.00	LST	DOL	2.58	
28.00	LST	DOL	1.17	
29.00	LST	DOL	0.31	
30.00	LST	DOL	2.35	
31.00	LST	DOL	2.11	
32.00	LST	DOL	2.75	
33.00	LST	DOL	3.44	
34.00	LST	DOL	5.86	
35.00	LST	DOL	2.82	
36.00	LST	DOL	5.42	
37.00	LST	DOL	0.75	
38.00	LST	DOL	2.65	
39.00	LST	DOL	0.53	
40.00	LST	DOL	4.70	
41.00	LST	DOL	2.38	
42.00	LST	DOL	3.36	
43.00	DOL		1.10	
44.00	DOL		2.82	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	DOL		2.82	
46.00	DOL		2.67	
47.00	DOL		2.72	
48.00	DOL		4.87	
49.00	DOL		3.96	
50.00	DOL		8.76	
51.00	DOL		9.76	
52.00	DOL		1.81	
53.00	DOL		2.48	
54.00	DOL		1.62	
55.00	DOL		2.58	
56.00	DOL		0.94	
57.00	DOL		2.18	
58.00	DOL		1.19	
59.00	DOL		6.50	
60.00	DOL		8.26	
61.00	DOL		3.36	
62.00	DOL		9.81	
63.00	DOL		9.32	
64.00	DOL		4.28	
65.00	DOL		9.47	
66.00	DOL		14.20	
67.00	DOL		4.38	
68.00	DOL		1.79	
69.00	DOL		22.60	
70.00	DOL		5.39	
71.00	DOL		14.30	
72.00	DOL		5.77	
73.00	DOL		0.00	
74.00	DOL		10.30	
75.00	DOL		7.86	
76.00	DOL		5.81	
77.00	DOL		15.50	
78.00	DOL		11.00	
79.00	DOL		14.10	
80.00	DOL		3.67	
81.00	DOL		13.30	
82.00	DOL		3.76	
83.00	DOL		9.67	
84.00	DOL		9.91	
85.00	DOL		5.20	
86.00	DOL		6.38	
87.00	DOL		7.79	
88.00	DOL		1.56	
89.00	DOL		6.33	
90.00	LEP		6.87	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	LEP		5.66	
92.00	LEP		3.62	
93.00	LEP		2.40	
94.00	LEP		5.20	
95.00	LEP		5.81	
96.00	LEP		7.10	
97.00	LEP		4.70	
98.00	LEP		1.34	
99.00	LEP		3.51	
100.00	LEP		6.33	
101.00	LEP		8.68	
102.00	LEP		9.47	
103.00	LEP		1.68	
104.00	LEP		2.70	
105.00	LEP		12.70	
106.00	LEP		7.68	
107.00	LEP		7.66	
108.00	LEP		4.51	
109.00	LEP		2.08	
110.00	LEP		6.63	
111.00	LEP		5.76	
112.00	LEP		6.90	
113.00	LEP		5.25	
114.00	LEP		2.33	
115.00	LEP		4.18	
116.00	LEP		6.82	
117.00	LEP		2.50	
118.00	LEP		0.00	
119.00	LEP		6.50	
120.00	LEP		11.10	
121.00	LEP		6.55	
122.00	LEP		6.95	
123.00	LEP		3.71	
124.00	LEP		3.76	
125.00	LEP		1.99	
126.00	LEP		2.36	
127.00	LEP		5.91	
128.00	LEP		2.30	E.O.H.

BOX LOG

HOLE: Rau-10-123

BOX	FROM (m)	TO (m)
1	0.00	5.55
2	5.55	9.82
3	9.82	13.88
4	13.88	18.03
5	18.03	21.85
6	21.85	25.51
7	25.51	29.69
8	29.69	33.48
9	33.48	37.62
10	37.62	41.77
11	41.77	45.85
12	45.85	50.08
13	50.08	54.25
14	54.25	58.19
15	58.19	62.14
16	62.14	66.37
17	66.37	70.31
18	70.31	74.50
19	74.50	78.64
20	78.64	82.52
21	82.52	86.76
22	86.76	90.50
23	90.50	94.77
24	94.77	98.86
25	98.86	103.02
26	103.02	107.39
27	107.39	111.62
28	111.62	115.72
29	115.72	120.00
30	120.00	123.91
31	123.91	128.24
32	128.24	128.93
128.93 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
10+012NE	09+950NW	528536	7119010	1260	93.88

ZONE: Oxide

SECTION: 09+950NW

HOLE: **Rau-10-124**

CLAIM:

Contractor: Superior

Drill: 3

Core size: HQ

Casing depth: 0 m out

Drilling dates: September 21-23, 2010

Geology logged by: K. Wynne

TARGET: Oxide zone

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-62.0	compass				
64.92	228	-62.2	Ranger				
80.16	228	-62.5	Ranger				

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	7.01	7.01	LST	Moderate DOL
7.01	17.80	10.79	OX	Strong SID.
17.80	32.41	14.61	DOL	Fair ANK.
32.41	55.78	23.37	OX	
55.78	91.85	36.07	DOL	Fair ANK.
91.85	93.88	2.03	MBL	
93.88	E.O.H.			

SAMPLES

Numbers: 1077820-1077864

Total: 45

Batch: 93, 94

Date Sent: September 28 2010

Certificate: VA10143565, VA10143566

COMMENTS

The hole was ended because target horizon was passed.
Core barrel lost.

GEOLOGY LOG

HOLE: Rau-10-124

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	7.01	7.01				LST	DOL	sBX	Dark grey moderate DOL sBX LST, very broken with dark grey grit on FX. First 50 cm and small intervals within LST are orange brown clay to rubble OX, variably calcareous. Trace talc.					m		w							Tc	t			
7.01	17.80	10.79				OX			Orange brown to dark brown OX and SID clay to rubble, predominantly grit, non-calcareous. Trace LST rubble at uCN.								s										
			13.00	13.14	0.14				Light green white clay to grit, non-calcareous, with FG Qz rubble; talc interval?																		
			16.15	17.00	0.85	OX			Light blue grey platy intense SER core for 12 cm, followed by Qz rubble.																		
17.80	32.41	14.61				DOL			Gradational uCN and lCN from OX DOL/ANK to unoxidized DOL, and back. FG to CG DOL with Qz VN , thin dark grey to brown layers, and light grey < 20 cm zones with sharp CN with DOL; Speliothems? Fair FG to MG dull brassy Py, locally OX, form layers defining FO and disseminated on rims of dark grey speliothems. Trace MG to CG As in layers on FO. Talc layers associated with Qz. As increases down interval.	FO	60				f					f	t		Tc	w			
			29.90	32.41	2.51	DOL	ANK		Light to medium orange and pink DOL and ANK with HEM alteration. Increasingly OX down interval, and grading into OX DOL. FG dull brassy Py in layers defining FO and semi-massive over < 25 cm. Dull As MG to CG, disseminated and in layers.	FO	60				m	w		HEM	f	ms	w						
32.41	55.78	23.37				OX			Orange brown, red brown, and brown OX, strong SID, non-calcareous clay to SID core.								s										
			32.41	34.98	2.57	OX			Light orange brown to red brown silt to predominantly OX core, non-calcareous. Local Py within intense OX rock and Qz blebs, and local MG SID crystals.								s			t							
			34.98	35.15	0.17	OX			Bright orange-brown with blue grey platy rock, non calcareous. ARG or VOL?																		
			35.15	54.75	19.60	OX			Orange brown to red brown with dark brown to black centre, clay to SID core, predominantly grit, with local light yellow patches associated with trace Qz. Piece of Qz rich DOL at 42.06, < 10 cm long.								s										
			54.75	55.78	1.03	OX			Grey brown non-calcareous silt to rubble, predominantly grit, gradation lCN to DOL.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
55.78	91.85	36.07				DOL			Light to dark grey DOL , locally grading into intense DOL LST. FG to MG DOL with ANK and HEM zones. Weak dull FG Py in layers weakly defining FO and in irregular patches. Trace dull MG As disseminated in layers. Zones of intense OX through interval. Local irregular black seams < 3 cm wide, with Py/As on rims.						f	w		HEM	f	w	t							
			55.78	59.79	4.01	DOL	OX		Light orange and Pink MG to CG DOL/ANK with HEM staining and OX on FX. Fair Py, trace As and Po in layers, disseminated, and on rims of dark grey seams, gradational decrease in OX/ANK.						f	w		HEM	f	f	t	t					
			62.14	67.26	5.12	LST	DOL		Dark grey to light pink and yellow white intense DOL sBX LST with local intense cBX of DOL. DOL locally HEM/ANK, with non-calcareous orange brown OX on FX and coating rubble. Interval has DOL interzones, but is predominantly LST. Weak FG disseminated Py, and Trace As.					i	w	w		HEM	w	w	t						
			77.70	91.85	14.15	DOL	OX		Light to medium orange and pink DOL and ANK with HEM. Intense OX on FX and through broken intervals. Py FG to MG in layers defining FO and disseminated. Last obvious As at uCN. lCN has 20 cm of intense OX clay to grit, weakly calcareous.						m	ms		HEM	f	w								
91.85	93.88	2.03				MBL			White MBL with light grey layers, and overprinted light grey zones.																		
									93.88 m: E.O.H. - Hole ended because mineralized zone was passed.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-124

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
0.00	3.96	3.96	LST	DOL	0.70	18	1077820	93					
3.96	7.01	3.05	LST	DOL	2.49	82	1077821	93					
7.01	8.53	1.52	OX		0.50	33	1077822	93					
8.53	10.06	1.53	OX		0.85	56	1077823	93					
10.06	11.58	1.52	OX		0.85	56	1077824	93					
11.58	13.11	1.53	OX		0.25	16	1077825	93					
13.11	14.63	1.52	OX		1.30	86	1077826	93					
-	-	-	-	-	-	-	1077827	93					Blank HQ
14.63	16.15	1.52	OX		0.55	36	1077828	93					
16.15	17.80	1.65	OX		0.75	45	1077829	93					
17.80	20.73	2.93	DOL		2.39	82	1077830	93					
20.73	23.77	3.04	DOL		2.66	88	1077831	93					
23.77	26.82	3.05	DOL		2.98	98	1077832	93					
-	-	-	-	-	-	-	1077833	93					Duplicate
26.82	29.87	3.05	DOL		2.90	95	1077834	93					
29.87	31.39	1.52	DOL		1.52	100	1077835	93					
31.39	32.92	1.53	OX		1.22	80	1077836	93					
-	-	-	-	-	-	-	1077837	93					Standard RSS-5
32.92	34.44	1.52	OX		1.03	68	1077838	93					
34.44	35.96	1.52	OX		1.41	93	1077839	93					
35.96	37.49	1.53	OX		1.27	83	1077840	94					
37.49	39.01	1.52	OX		0.54	36	1077841	94					
39.01	42.06	3.05	OX		2.84	93	1077842	94					
42.06	45.11	3.05	OX		2.55	84	1077843	94					
45.11	48.16	3.05	OX		2.50	82	1077844	94					
-	-	-	-	-	-	-	1077845	94					Standard ROS-4
48.16	51.21	3.05	OX		2.80	92	1077846	94					
51.21	54.25	3.04	OX		2.70	89	1077847	94					
-	-	-	-	-	-	-	1077848	94					Blank HQ
54.25	55.78	1.53	OX		0.35	23	1077849	94					
55.78	58.83	3.05	DOL		2.78	91	1077850	94					
58.83	61.87	3.04	DOL		2.96	97	1077851	94					

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
61.87	64.92	3.05	DOL		3.01	99	1077852	94					
64.92	67.97	3.05	DOL		2.88	94	1077853	94					
67.97	71.02	3.05	DOL		3.03	99	1077854	94					
67.97	71.02	3.05	DOL		3.03	99	1077855	94					Duplicate
71.02	74.06	3.04	DOL		3.03	100	1077856	94					
74.06	77.11	3.05	DOL		3.01	99	1077857	94					
77.11	80.16	3.05	DOL		2.97	97	1077858	94					
80.16	83.21	3.05	DOL		2.95	97	1077859	94					
83.21	86.26	3.05	DOL		3.03	99	1077860	94					
86.26	89.31	3.05	DOL		2.87	94	1077861	94					
89.31	91.85	2.54	DOL		2.45	96	1077862	94					
-	-	-	-	-	-	-	1077863	94					Blank HQ
91.85	93.88	2.03	MBL		1.84	91	1077864	94					

GEOTECHNICAL LOG

HOLE: Rau-10-124

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
0.00	3.96	3.96	1.70	43	0.00	0	VW	HW		
3.96	5.49	1.53	1.53	100	0.00	0	VW	HW	5yr3/2	
5.49	7.01	1.52	0.89	59	0.00	0	VW	HW	7.5yr2.5/1	
7.01	8.53	1.52	0.50	33	0.00	0	VW	HW	5yr4/6	
8.53	10.06	1.53	0.85	56	0.00	0	VW	HW	5yr3/4	
10.06	11.58	1.52	0.85	56	0.00	0	VW	HW	7.54/6	
11.58	13.11	1.53	0.25	16	0.00	0	VW	HW	gley1 8/5g	
13.11	14.63	1.52	1.30	86	0.00	0	VW	HW	10yr6/8	
14.63	16.15	1.52	0.55	36	0.00	0	VW	HW	7.5yr2.5/2	
16.15	17.67	1.52	0.35	23	0.00	0	VW	HW	2.5yr4/6	
17.67	19.20	1.53	1.06	69	0.29	19	VW	HW	2.5yr4/6	
19.20	20.73	1.53	1.53	100	1.17	76	MS	MW		
20.73	22.25	1.52	1.37	90	0.40	26	MS	MW		
22.25	23.77	1.52	1.29	85	0.28	18	MS	MW		
23.77	25.30	1.53	1.53	100	1.20	78	MS	MW		
25.30	26.82	1.52	1.43	94	0.85	56	MS	MW		
26.82	28.35	1.53	1.48	97	1.10	72	MS	MW		
28.35	29.87	1.52	1.42	93	1.06	70	MS	MW		
29.87	31.39	1.52	1.52	100	1.13	74	MS	MW		
31.39	32.92	1.53	1.22	80	0.27	18	VW	HW		
32.92	34.44	1.52	1.03	68	0.00	0	VW	HW		
34.44	35.96	1.52	1.41	93	0.00	0	VW	HW		
35.96	37.49	1.53	1.27	83	0.00	0	VW	HW		
37.49	39.01	1.52	0.54	36	0.00	0	VW	HW		
39.01	40.54	1.53	1.35	88	0.00	0	VW	HW		
40.54	42.06	1.52	1.49	98	0.00	0	VW	HW		
42.06	43.59	1.53	1.26	82	0.00	0	VW	HW		
43.59	45.11	1.52	1.29	85	0.00	0	VW	HW		
45.11	46.63	1.52	1.20	79	0.00	0	VW	HW		
46.63	48.16	1.53	1.30	85	0.00	0	VW	HW		
48.16	49.68	1.52	1.18	78	0.00	0	VW	HW		
49.68	51.21	1.53	1.53	100	0.00	0	VW	HW		
51.21	52.73	1.52	1.42	93	0.00	0	VW	HW		
52.73	54.25	1.52	1.28	84	0.00	0	VW	MW	5yr 3/4	
54.25	55.78	1.53	0.35	23	0.00	0	VW	MW	5yr 3/2	
55.78	57.30	1.52	1.35	89	0.73	48	MS	MW		
57.30	58.83	1.53	1.43	93	1.04	68	MS	MW		
58.83	60.35	1.52	1.52	100	1.32	87	MS	MW		
60.35	61.87	1.52	1.44	95	0.93	61	MS	MW		
61.87	63.39	1.52	1.52	100	0.71	47	MS	MW		
63.39	64.92	1.53	1.49	97	0.93	61	MS	MW		
64.92	66.45	1.53	1.53	100	0.40	26	MS	HW		
66.45	67.97	1.52	1.35	89	1.21	80	MS	MW		
67.97	69.49	1.52	1.52	100	1.17	77	MS	MW		
69.49	71.02	1.53	1.51	99	1.40	92	MS	MW		
71.02	72.54	1.52	1.52	100	0.72	47	MS	MW		
72.54	74.06	1.52	1.51	99	1.31	86	MS	MW		
74.06	75.59	1.53	1.53	100	1.16	76	MS	MW		
75.59	77.11	1.52	1.48	97	1.06	70	MS	MW		
77.11	78.64	1.53	1.47	96	0.91	59	W	MW		
78.64	80.16	1.52	1.50	99	0.83	55	MS	MW		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
80.16	81.69	1.53	1.53	100	0.70	46	MS	MW		
81.69	83.21	1.52	1.42	93	0.80	53	MS	MW		
83.21	84.73	1.52	1.52	100	1.21	80	MS	MW		
84.73	86.26	1.53	1.51	99	1.23	80	MS	MW		
86.26	87.78	1.52	1.42	94	0.97	64	MS	MW		
87.78	89.31	1.53	1.45	95	0.62	41	W	HW		
89.31	90.83	1.52	1.52	100	0.58	38	W	HW		
90.83	92.35	1.52	1.39	91	0.65	43	W	HW		
92.35	93.88	1.53	1.50	98	1.33	87	MS	MS		E.O.H.

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-124

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	LST	DOL	2.70	
2.00	LST	DOL	2.38	
3.00	LST	DOL	2.38	
4.00	LST	DOL	2.38	
5.00	LST	DOL	1.20	
6.00	LST	DOL	2.28	
7.00	LST	DOL	4.01	
8.00	OX		1.68	
9.00	OX		3.36	
10.00	OX		1.32	
11.00	OX		3.71	
12.00	OX		5.17	
13.00	OX		1.73	
14.00	OX		4.41	
15.00	OX		2.72	
16.00	OX			
17.00	OX		2.88	
18.00	DOL		0.58	
19.00	DOL		2.50	
20.00	DOL		9.13	
21.00	DOL		1.02	
22.00	DOL		5.46	
23.00	DOL		2.52	
24.00	DOL		6.01	
25.00	DOL		7.56	
26.00	DOL		9.44	
27.00	DOL		6.31	
28.00	DOL		3.46	
29.00	DOL		3.51	
30.00	DOL		5.47	
31.00	DOL		5.20	
32.00	DOL		2.08	
33.00	OX		1.37	
34.00	OX		0.00	
35.00	OX		0.25	
36.00	OX		4.56	
37.00	OX		3.78	
38.00	OX		3.89	
39.00	OX		6.65	
40.00	OX		5.17	
41.00	OX		5.76	
42.00	OX		7.72	
43.00	OX		3.42	
44.00	OX		5.42	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	OX		1.36	
46.00	OX		6.65	
47.00	OX		2.01	
48.00	OX		7.20	
49.00	OX		6.14	
50.00	OX		1.96	
51.00	OX		3.10	
52.00	OX		9.62	
53.00	OX		5.67	
54.00	OX		3.19	
55.00	OX		5.02	
56.00	DOL		4.97	
57.00	DOL		5.22	
58.00	DOL		6.01	
59.00	DOL		8.11	
60.00	DOL		3.29	
61.00	DOL		7.59	
62.00	DOL		6.68	
63.00	DOL		6.61	
64.00	DOL		4.81	
65.00	DOL		5.81	
66.00	DOL		3.17	
67.00	DOL		7.62	
68.00	DOL		9.08	
69.00	DOL		7.39	
70.00	DOL		4.88	
71.00	DOL		4.97	
72.00	DOL		2.90	
73.00	DOL		0.89	
74.00	DOL		1.32	
75.00	DOL		6.72	
76.00	DOL		2.58	
77.00	DOL		0.00	
78.00	DOL		2.25	
79.00	DOL		2.68	
80.00	DOL		4.70	
81.00	DOL		12.90	
82.00	DOL		7.00	
83.00	DOL		0.38	
84.00	DOL		5.61	
85.00	DOL		5.72	
86.00	DOL		11.90	
87.00	DOL		14.90	
88.00	DOL		0.00	
89.00	DOL		3.52	
90.00	DOL		0.18	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	DOL		1.73	
92.00	MBL		0.51	
93.00	MBL		0.48	E.O.H.

DENSITY LOG

HOLE: Rau-10-124

Depth (m)	Unit	Modifier	Texture	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	TIME	Density
				Py %	As %	Other	%						
41.80	OX								14.4	6.1	903.1	08:20	2.17
									14.4	6.1	731.6	09:30	1.76
									14.4	6.1	644.1	11:10	1.55
									14.4	6.1	638.7	11:50	1.53
									14.4	6.1	633.1	12:50	1.52
									14.4	6.1	629.6	02:00	1.51
									14.4	6.1	627.6	03:10	1.51
									14.4	6.1	626.2	04:10	1.50

BOX LOG

HOLE: Rau-10-124

BOX	FROM (m)	TO (m)
1	0.00	5.75
2	5.75	13.39
3	13.39	19.85
4	19.85	24.01
5	24.01	28.28
6	28.28	32.38
7	32.38	36.65
8	36.65	41.35
9	41.35	45.37
10	45.37	50.03
11	50.03	54.25
12	54.25	59.37
13	59.37	63.39
14	63.39	37.30
15	37.30	71.51
16	71.51	75.59
17	75.59	79.61
18	79.61	83.58
19	83.58	87.78
20	87.78	91.55
21	91.55	93.88
93.88 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
10+067NE	10+275NW	528368	7119292	1346	117.35

ZONE: Oxide

SECTION: 10+275NW

HOLE: **Rau-10-125**

CLAIM:

Contractor: Superior

Drill: 2

Core size: PQ/HQ

Casing depth: 3.05 m out

Drilling dates: September 22-25, 2010

Geology logged by: K. Wynne

TARGET: Oxide zone

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-60.0	compass				
102.11	228	-57.8	Ranger				
117.30	228	-57.8	Ranger				

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	1.52	1.52	OVB	
1.52	58.20	56.68	LST	Moderate MBL, fair OX.
58.20	62.48	4.28	MBL	
62.48	101.10	38.62	OX	Locally Qz or SID rich.
101.10	102.45	1.35	LST	Foliated and fossiliferous.
102.45	108.17	5.72	MBL	
108.17	109.09	0.92	OX	
109.09	117.35	8.26	LST	Strong DOL.
117.35	E.O.H.			

SAMPLES

Numbers: I077865-I077902

Total: 38

Batch: 94, 95

Date Sent: September 28, 29 2010

Certificate: VA10143566, VA10143567

COMMENTS

Reduced to HQ at 185 ft, hole ended because rods began to stick.

GEOLOGY LOG

HOLE: Rau-10-125

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	1.52	1.52				OVB			Overburden - no recovery																		
1.52	58.20	56.68				LST	MBL		Light to medium grey LST, intense MBL at top of interval decreasing locally to weak MBL down hole. Very broken with OX on FX, and through intervals < 20 cm long of solid OX LST to rubble and grit. OX light brown to medium orange brown, locally more intense. FO defined by MBL and OX layers. Locally have overprinted Ca clasts, possibly fossiliferous.	FO	60					f		MBL	m								
			27.58	43.90	16.32	LST	OX		Light grey, light orange-brown, and dark brown strong OX LST, very broken, with OX in zones < 20 cm long, on FX, and following FO. LST variably intense to weak MBL, with local Qz rubble zones < 20 cm long. Weak SID on FX of core. OX strongly calcareous.							s		MBL	m								
			55.40	56.39	0.99	LST			Light beige clay to grit with LST/MBL rubble within, intensely calcareous.									MBL	s								
58.20	62.48	4.28				MBL			Light buff to white MBL rubble to core < 15 cm long, with OX LST rubble and core intermixed. Orange brown OX coating on FX and rubble.							m											
62.48	101.10	38.62				OX			Variably light to dark orange brown to red brown, with local light yellow and grey colour. Clay to SID core, predominantly grit. Non-calcareous.								ms										
			62.48	64.01	1.53	OX			Bright red brown clay to grit, predominantly silt, non-calcareous. Sharp uCN and lCN.																		
			64.01	64.50	0.49	OX	Qz		Light orange brown to blue grey, gradational, with light orange brown surficial coating and as patches in core grading to pure blue grey clay to grit, predominantly Qz grit. Non-calcareous, similar to high grade zones in previous holes.																		
			64.50	65.48	0.98	OX			Light yellow beige core to grit with < 1 cm white soft clasts in beige matrix; talc? Has tBX appearance. Sharp contacts.																		
			65.48	68.58	3.10	OX			Medium orange brown clay to solid SID core, predominantly grit; non-calcareous. uCN pinkish red for ~ 25 cm as gradational uCN, with light yellow patches. lCN very gradational into intense SID core.								s										
			68.58	81.00	12.42	OX	SID		Medium red brown to black intense SID clay to core, predominantly grit. Non-calcareous. Trace light orange brown patches within core.								i										

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			81.00	82.90	1.90	OX			Bright red brown to pink beige clay to silt, with intense SID rubble locally. Non-calcareous. Gradational lCN.								ms										
			82.90	90.05	7.15	OX	SID		Medium brown to orange brown coating with dark red brown to black centre of intense SID. Rubble to silt. Non-calcareous. Local bright red/pink colour.								i										
			90.05	97.54	7.49	OX	DOL		Dark brown to black intense SID OX with sections of DOL core < 50 cm long, intensely SID on FX and through core. DOL MG with thin overprinted seams between crystals. Calcareous SID/OX.								i										
			97.54	101.10	3.56	OX			Medium to light orange brown clay to rubble, moderate strong SID, calcareous. Sharp lCN with LST.								ms										
101.10	102.45	1.35				LST			Medium grey FOS LST with brachiopod and unidentifiable FG clasts. Ca VT and FOS clasts define FO. Weak OX on FX and in thin layers on FO. Weakly MBL toward lCN.	FO	30					w		MBL	t								
102.45	108.17	5.72				MBL			White to light grey and pink buff MBL, with intense OX orange brown clay to grit through intervals < 50 cm and in thin layer in MBL and on FX.							f										
108.17	109.09	0.92				OX			Light to dark brown clay to core, predominantly core calcareous. Sharp lCN with LST. Unaltered rock is white cBX DOL.																		
109.09	117.35	8.26				LST	DOL		Medium to light brown increasingly DOL down interval LST, with light grey to white overprinted DOL/Ca VT and light brown to dark purple brown variably calcareous OX and SID VT, with local light green yellow soft calcareous alteration, and talc on some FX. OX/SID VT on same orientation ~ 30 degrees TCA. Last ~ 50 cm of interval is MG DOL.	VT	30			s		t	t										
									117.35 m: E.O.H.- Hole ended because rods began to stick.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-125

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
54.86	56.39	1.53	LST		1.05	69	I077865	94					
56.39	59.44	3.05	MBL		0.39	13	I077866	94					
59.44	62.48	3.04	OX		0.52	17	I077867	94					
62.48	64.01	1.53	OX		0.58	38	I077868	94					
64.01	65.53	1.52	OX		1.31	86	I077869	94					
-	-	-	-		-	-	I077870	94					Standard ROS-1
65.53	68.58	3.05	OX		2.94	96	I077871	94					
68.58	71.63	3.05	OX		2.41	79	I077872	94					
71.63	74.68	3.05	OX		2.21	72	I077873	94					
74.68	76.20	1.52	OX		1.52	100	I077874	94					
76.20	77.72	1.52	OX		0.97	64	I077875	94					
77.72	79.25	1.53	OX		0.89	58	I077876	95					
79.25	80.77	1.52	OX		1.11	73	I077877	95					
80.77	82.29	1.52	OX		1.06	70	I077878	95					
-	-	-	-		-	-	I077879	95					Blank HQ
82.29	83.82	1.53	OX		1.12	73	I077880	95					
83.82	85.34	1.52	OX		1.15	76	I077881	95					
85.34	86.87	1.53	OX		0.60	39	I077882	95					
86.87	88.39	1.52	OX		1.06	70	I077883	95					
88.39	89.92	1.53	OX		0.50	33	I077884	95					
88.39	89.92	1.53	OX		0.50	33	I077885	95					Duplicate
89.92	91.44	1.52	OX		0.90	59	I077886	95					
91.44	92.96	1.52	OX		0.77	51	I077887	95					
92.96	94.49	1.53	OX		0.27	18	I077888	95					
94.49	96.01	1.52	OX		1.00	66	I077889	95					
96.01	97.54	1.53	OX		0.30	20	I077890	95					
97.54	99.06	1.52	OX		0.24	16	I077891	95					
99.06	100.58	1.52	OX		0.70	46	I077892	95					
-	-	-	-		-	-	I077893	95					Standard ROS-3
100.58	101.10	0.52	OX		0.39	75	I077894	95					
101.10	102.45	1.35	LST		1.20	89	I077895	95					
102.45	105.16	2.71	MBL		1.77	65	I077896	95					

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
105.16	108.17	3.01	MBL		2.70	90	I077897	95					
108.17	109.09	0.92	OX		0.89	97	I077898	95					
-	-	-			-	-	I077899	95					Blank HQ
109.09	111.25	2.16	LST	DOL	2.03	94	I077900	95					
111.25	114.30	3.05	LST	DOL	2.57	84	I077901	95					
114.30	117.35	3.05	LST	DOL	2.27	74	I077902	95					

GEOTECHNICAL LOG

HOLE: Rau-10-125

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
1.52	3.05	1.53	0.24	16	0.00	0	VW	HW		
3.05	4.57	1.52	0.32	21	0.00	0	VW	HW		
4.57	6.09	1.52	0.10	7	0.00	0	VW	HW		
6.09	7.62	1.53	0.48	31	0.00	0	VW	HW		
7.62	9.14	1.52	0.32	21	0.00	0	VW	HW		
9.14	10.67	1.53	0.77	50	0.00	0	VW	HW		
10.67	12.19	1.52	1.30	86	0.27	18	VW	HW		
12.19	13.71	1.52	1.04	68	0.00	0	VW	HW		
13.71	15.24	1.53	0.85	56	0.21	14	VW	HW		
15.24	16.76	1.52	1.19	78	0.35	23	VW	HW		
16.76	18.29	1.53	1.36	89	0.16	10	VW	HW		
18.29	19.81	1.52	1.05	69	0.00	0	VW	HW		
19.81	21.34	1.53	0.85	56	0.00	0	VW	HW		
21.34	22.86	1.52	1.17	77	0.25	16	VW	HW		
22.86	24.38	1.52	0.92	61	0.00	0	VW	HW		
24.38	25.91	1.53	0.97	63	0.00	0	VW	HW		
25.91	27.43	1.52	0.75	49	0.00	0	VW	HW		
27.43	28.95	1.52	0.80	53	0.00	0	VW	HW		
28.95	30.48	1.53	1.20	78	0.20	13	VW	HW		
30.48	32.00	1.52	1.15	76	0.31	20	VW	HW		
32.00	33.53	1.53	1.38	90	0.27	18	VW	HW		
33.53	35.05	1.52	1.48	97	0.49	32	VW	HW		
35.05	36.58	1.53	0.98	64	0.00	0	VW	HW		
36.58	38.10	1.52	0.97	64	0.13	9	VW	HW		
38.10	39.62	1.52	1.05	69	0.00	0	VW	HW		
39.62	41.15	1.53	0.34	22	0.00	0	VW	HW		
41.15	42.67	1.52	0.33	22	0.00	0	VW	HW		
42.67	44.19	1.52	0.94	62	0.00	0	VW	HW		
44.19	45.72	1.53	0.54	35	0.00	0	VW	HW		
45.72	47.24	1.52	0.25	16	0.00	0	VW	HW		
47.24	48.77	1.53	0.62	41	0.00	0	VW	HW		
48.77	50.29	1.52	0.65	43	0.00	0	VW	HW		
50.29	51.81	1.52	0.30	20	0.00	0	EW	HW		
51.81	53.34	1.53	0.54	35	0.00	0	EW	HW		
53.34	54.86	1.52	0.23	15	0.00	0	EW	HW		
54.86	56.39	1.53	1.05	69	0.00	0	EW	HW		
56.39	57.91	1.52	0.16	11	0.00	0	EW	HW		
57.91	59.44	1.53	0.25	16	0.00	0	EW	HW		
59.44	60.96	1.52	0.42	28	0.00	0	EW	HW		
60.96	62.48	1.52	0.10	7	0.00	0	EW	HW		
62.48	64.00	1.52	0.58	38	0.00	0	EW	EW	5yr 4/6	
64.00	65.53	1.53	1.31	86	0.00	0	EW	EW	2.5y6/4+2.5y 5/1	
65.53	67.06	1.53	1.52	99	0.00	0	EW	EW	2.5yr3/6	
67.06	68.58	1.52	1.42	93	0.00	0	EW	EW	7.5yr4/6	
68.58	70.10	1.52	1.18	78	0.00	0	EW	EW	5yr3/3	
70.10	71.63	1.53	1.23	80	0.00	0	EW	EW	5yr3/3	
71.63	73.15	1.52	1.12	74	0.00	0	EW	EW	5yr3/6	
73.15	74.68	1.53	1.09	71	0.00	0	EW	EW	10yr4/2	
74.68	76.20	1.52	1.52	100	0.00	0	EW	EW	5yr4/4	
76.20	77.72	1.52	0.97	64	0.00	0	EW	EW	5yr3/4	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
77.72	79.25	1.53	0.89	58	0.00	0	EW	EW	5yr3/4	
79.25	80.77	1.52	1.11	73	0.00	0	EW	EW	5yr4/4	
80.77	82.29	1.52	1.06	70	0.00	0	EW	EW	5yr6/6	
82.29	83.82	1.53	1.12	73	0.00	0	EW	EW	5yr5/6	
83.82	85.34	1.52	1.15	76	0.00	0	EW	EW	5yr5/8	
85.34	86.87	1.53	0.60	39	0.00	0	EW	EW	5yr5/8	
86.87	88.39	1.52	1.06	70	0.00	0	EW	EW	5yr5/6	
88.39	89.92	1.53	0.50	33	0.00	0	EW	EW	5yr4/4	
89.92	91.44	1.52	0.90	59	0.30	20	EW	EW	5yr3/1	
91.44	92.96	1.52	0.77	51	0.00	0	EW	EW	5yr3/3	
92.96	94.49	1.53	0.27	18	0.00	0	EW	EW	5yr3/3	
94.49	96.01	1.52	1.00	66	0.22	14	EW	EW	5yr3/2	
96.01	97.54	1.53	0.30	20	0.00	0	EW	EW	5yr4/3	
97.54	99.06	1.52	0.24	16	0.00	0	EW	EW	7.5yr4/6	
99.06	100.58	1.52	0.70	46	0.00	0	EW	EW	10yr6/6	
100.58	102.11	1.53	1.20	78	0.53	35	EW	EW	10yr5/4	
102.11	103.63	1.52	1.44	95	0.35	23	W	HW		
103.63	105.16	1.53	0.80	52	0.13	8	MS	MW		
105.16	106.68	1.52	1.34	88	0.28	19	MS	MW		
106.68	108.20	1.52	1.40	92	0.51	34	MS	MW		
108.20	109.73	1.53	1.38	90	0.57	37	MS	MW		
109.73	111.25	1.52	1.50	99	1.18	78	MS	MW		
111.25	112.78	1.53	1.49	97	0.96	63	MS	MW		
112.78	114.30	1.52	1.08	71	0.30	20	MS	MW		
114.30	115.82	1.52	1.15	76	0.61	40	MS	MW		
115.82	117.35	1.53	1.13	74	0.62	41	MS	MW		E.O.H.

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-125

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00			-	
2.00			-	
3.00	LST	MBL	7.26	
4.00	LST	MBL	13.30	
5.00	LST	MBL	-	
6.00	LST	MBL	-	
7.00	LST	MBL	-	
8.00	LST	MBL	-	
9.00	LST	MBL	0.00	
10.00	LST	MBL	0.00	
11.00	LST	MBL	0.00	
12.00	LST	MBL	5.94	
13.00	LST	MBL	0.00	
14.00	LST	MBL	1.99	
15.00	LST	MBL	0.00	
16.00	LST	MBL	0.00	
17.00	LST	MBL	4.83	
18.00	LST	MBL	0.00	
19.00	LST	MBL	1.43	
20.00	LST	MBL	1.39	
21.00	LST	MBL	3.72	
22.00	LST	MBL	0.25	
23.00	LST	MBL	0.00	
24.00	LST	MBL	0.00	
25.00	LST	MBL	0.00	
26.00	LST	MBL	3.59	
27.00	LST	MBL	2.16	
28.00	LST	MBL	3.06	
29.00	LST	MBL	4.51	
30.00	LST	MBL	8.53	
31.00	LST	MBL	5.63	
32.00	LST	MBL	3.38	
33.00	LST	MBL	5.59	
34.00	LST	MBL	6.68	
35.00	LST	MBL	2.56	
36.00	LST	MBL	3.22	
37.00	LST	MBL	2.67	
38.00	LST	MBL	4.70	
39.00	LST	MBL	6.30	
40.00	LST	MBL	0.00	
41.00	LST	MBL	7.34	
42.00	LST	MBL	10.10	
43.00	LST	MBL	1.96	
44.00	LST	MBL	0.32	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	LST	MBL	6.48	
46.00	LST	MBL	2.29	
47.00	LST	MBL	-	
48.00	LST	MBL	1.65	
49.00	LST	MBL	0.05	
50.00	LST	MBL	0.00	
51.00	LST	MBL	0.05	
52.00	LST	MBL	0.50	
53.00	LST	MBL	4.33	
54.00	LST	MBL	3.07	
55.00	LST	MBL	0.39	
56.00	LST	MBL	2.81	
57.00	LST	MBL	4.83	
58.00	LST	MBL	0.04	
59.00	MBL		3.44	
60.00	MBL		1.58	
61.00	MBL		1.31	
62.00	MBL		0.90	
63.00	OX		4.66	
64.00	OX		7.29	
65.00	OX		4.26	
66.00	OX		4.23	
67.00	OX		2.97	
68.00	OX		3.09	
69.00	OX		4.31	
70.00	OX		5.10	
71.00	OX		3.81	
72.00	OX		6.14	
73.00	OX		4.23	
74.00	OX		7.19	
75.00	OX		6.04	
76.00	OX		8.11	
77.00	OX		5.71	
78.00	OX		9.25	
79.00	OX		3.39	
80.00	OX		3.61	
81.00	OX		7.61	
82.00	OX		4.82	
83.00	OX		4.93	
84.00	OX		5.05	
85.00	OX		0.57	
86.00	OX		0.99	
87.00	OX		4.63	
88.00	OX		7.74	
89.00	OX		5.54	
90.00	OX		4.51	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	OX		36.85	
92.00	OX		4.16	
93.00	OX		4.51	
94.00	OX		6.30	
95.00	OX		3.09	
96.00	OX		4.56	
97.00	OX		4.98	
98.00	OX		2.83	
99.00	OX		4.13	
100.00	OX		7.61	
101.00	OX		3.56	
102.00	LST		4.82	
103.00	MBL		3.14	
104.00	MBL		2.73	
105.00	MBL		4.98	
106.00	MBL		1.59	
107.00	MBL		3.81	
108.00	MBL		0.00	
109.00	OX		1.59	
110.00	LST	DOL	0.00	
111.00	LST	DOL	0.00	
112.00	LST	DOL	1.72	
113.00	LST	DOL	0.00	
114.00	LST	DOL	3.41	
115.00	LST	DOL	0.00	
116.00	LST	DOL	0.52	
117.00	LST	DOL	3.21	E.O.H.

BOX LOG

HOLE: Rau-10-125

BOX	FROM (m)	TO (m)
1	1.52	8.10
2	8.10	11.20
3	11.20	13.53
4	13.53	15.80
5	15.80	18.29
6	18.29	21.34
7	21.34	24.10
8	24.10	27.37
9	27.37	30.18
10	30.18	33.05
11	33.05	36.06
12	36.06	38.68
13	38.68	43.32
14	43.32	48.30
15	48.30	52.10
16	52.10	56.39
17	56.39	65.75
18	65.75	70.10
19	70.10	75.06
20	75.06	79.88
21	79.88	84.80
22	84.80	91.90
23	91.90	100.69
24	100.69	105.80
25	105.80	109.85
26	109.85	114.30
27	114.30	117.35
117.35 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
09+976NE	09+911NW	528535	7118958	1262	84.74

ZONE: Oxide

SECTION: 09+911NW

HOLE: **Rau-10-126**

CLAIM:

Contractor: Superior

Drill: 3

Core size: HQ

Casing depth: 0 m out

Drilling dates: September 23-26 2010

Geology logged by: K. Wynne

TARGET: Oxide Zone

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-82.0	compass				
54.26	227	-81.5	Ranger				
69.50	228	-81.4	Ranger				
84.70	227	-81.3	Ranger				

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	3.04	3.04	LST	
3.04	48.73	45.69	OX	Locally intense SID or Qz
48.73	55.62	6.89	LST	Intense DOL and OX
55.62	63.40	7.78	OX	
63.40	78.53	15.13	DOL	Intense OX with weak Py
78.53	82.31	3.78	OX	
82.31	84.74	2.43	MBL	DOL subintervals
84.74	E.O.H.			

SAMPLES

Numbers: I077903-I077944

Total: 42

Batch: 95, 96

Date Sent: September 29, 30 2010

Certificate: VA10143567, VA10143568

COMMENTS

The hole was ended because it was passed the target Oxide zone.

GEOLOGY LOG

HOLE: Rau-10-126

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	3.04	3.04				LST	DOL	RBL	Medium grey LST rubble with DOL sBX.																		
3.04	48.73	45.69				OX			Dark brown to orange brown, locally blue grey and Qz rich, intense OX, strong to intense SID. Subintervals up to 50 cm long of DOL LST to DOL common. Clay to core, predominantly grit. Variably calcareous. LST rubble has dark blue grey alteration on broken surfaces.								s											
			3.04	15.62	12.58	OX	LST		Dark brown to orange brown or red brown clay to rubble, predominantly grit. LST rubble to core through zones < 50 cm, dark grey with DOL VT cBX to sBX. OX variably calcareous. LST ~ 25% of interval.																			
			15.62	20.73	5.11	OX			Medium brown to orange brown clay to rubble, predominantly silt, with intense OX DOL LST pieces < 20 cm locally. OX is non-calcareous.																			
			20.73	26.82	6.09	OX	Qz		Bright orange brown to blue grey OX, Qz rich, with blue grey sections of intense Qz (near 100%) < 3 cm wide, mainly grit sized. Non-calcareous. OX is clay to grit, predominantly silt.																			
			25.70	26.46	0.76	Qz	OX		Intense Qz OX ~ 50% blue grey in colour and 50% orange brown OX.																			
			26.82	43.94	17.12	OX	LST		Orange brown to dark brown clay to LST core, predominantly silt, locally Qz rich over intervals < 50 cm.								s										
			43.94	48.73	4.79	OX	SID		Intense SID OX, silt to rubble, orange brown to dark brown, predominantly rubble. Non-calcareous.							s	i										
48.73	55.62	6.89				LST	OX		Medium to light grey DOL LST, intense sBX by light grey to light pink DOL/ANK with HEM. DOL cBX by thin grey to orange brown seams. Interval intensely OX on FX, in seams, and through zones < 75 cm long. OX weakly calcareous, dark orange brown to brown moderate strong SID. Trace OX Py.						i	f	i	ms	HEM	w	t							
			50.10	50.70	0.60	OX			Orange brown to black strong SID weakly calcareous interval. Silt to rubble, predominantly rubble.								s										
			54.00	54.75	0.75	OX			Orange brown to brown very weakly calcareous OX, silt to rubble, predominantly rubble.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
55.62	63.40	7.78				OX			Orange brown to dark red brown clay to LST rubble, predominantly silt and SID rubble. Strong SID. < 25 cm LST rubble zones. LST very altered and easily broken. OX non-calcareous. Trace Py in OX rubble.								s			t							
63.40	78.53	15.13				DOL	OX		Light yellow and pink DOL/ANK with intense HEM and intense OX. DOL FG to MG with weak to fair Py FG to MG, disseminated, in thin layers defining FO, and in thicker irregular layers. Py light and silvery, commonly altered to dark grey powder, often remains in intense OX sections where surrounding DOL is entirely OX. OX zones orange brown to dark red brown, silt to predominantly intensely altered core.							i	i		HEM	i	w						
78.53	82.31	3.78				OX			Orange brown to black silt to intensely OX core, locally intense SID, strong overall. Variably calcareous. Sharp ICN with MBL.								s									
			80.36	82.31	1.95	OX			Orange brown and black, calcareous OX with local intense SID non-calcareous. Local soft white calcareous patches.								s									
82.31	84.74	2.43				MBL	DOL		Light grey to light pink MBL with DOL subinterval.																	
			83.46	84.24	0.78	DOL			MG light pink DOL interval with gradational CN with MBL. Trace MG to CG Py disseminated within.										t							
									84.74 m: E.O.H. - The hole ended because target oxide zone was passed.																	

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-126

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
0.00	3.96	3.96	LST		0.70	18	I077903	95					
3.96	5.49	1.53	OX		0.75	49	I077904	95					
5.49	7.01	1.52	OX		0.67	44	I077905	95					
7.01	8.53	1.52	OX		1.05	69	I077906	95					
8.53	11.58	3.05	OX		2.50	82	I077907	95					
11.58	14.63	3.05	OX		2.34	77	I077908	95					
-	-	-	-	-	-	-	I077909	95					Standard ROS-1
14.63	17.68	3.05	OX		2.94	96	I077910	95					
17.68	20.73	3.05	OX		2.43	80	I077911	95					
20.73	23.77	3.04	OX		1.26	41	I077912	96					
23.77	25.30	1.53	OX		1.21	79	I077913	96					
25.30	26.82	1.52	OX		1.52	100	I077914	96					
-	-	-	-	-	-	-	I077915	96					Blank HQ
26.82	28.35	1.53	OX		1.23	80	I077916	96					
28.35	29.87	1.52	OX		1.24	82	I077917	96					
29.87	32.92	3.05	OX		2.79	91	I077918	96					
32.92	35.97	3.05	OX		2.01	66	I077919	96					
35.97	39.01	3.04	OX		2.74	90	I077920	96					
-	-	-	-	-	-	-	I077921	96					Standard ROS-3
39.01	42.06	3.05	OX		2.54	83	I077922	96					
42.06	43.59	1.53	OX		0.95	62	I077923	96					
43.59	46.63	3.04	OX		2.59	85	I077924	96					
46.63	48.73	2.10	OX		1.92	91	I077925	96					
48.73	51.21	2.48	LST	OX	2.17	87	I077926	96					
51.21	54.00	2.79	LST	OX	2.51	90	I077927	96					
51.21	54.00	2.79	LST	OX	2.51	90	I077928	96					Duplicate
54.00	55.62	1.62	LST	OX	1.26	78	I077929	96					
55.62	57.30	1.68	OX		0.37	22	I077930	96					
57.30	58.83	1.53	OX		0.14	9	I077931	96					
58.83	60.35	1.52	OX		0.70	46	I077932	96					
60.35	61.87	1.52	OX		0.80	53	I077933	96					
61.87	63.40	1.53	OX		0.56	37	I077934	96					

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
-	-	-	-	-	-	-	I077935	96					Standard ROS-4
63.40	66.45	3.05	DOL	OX	2.79	91	I077936	96					
66.45	69.49	3.04	DOL	OX	3.04	100	I077937	96					
69.49	72.54	3.05	DOL	OX	2.87	94	I077938	96					
72.54	75.59	3.05	DOL	OX	2.94	96	I077939	96					
-	-	-	-	-	-	-	I077940	96					Blank HQ
75.59	78.53	2.94	DOL	OX	2.82	96	I077941	96					
78.53	80.16	1.63	OX		1.54	94	I077942	96					
80.16	82.31	2.15	OX		1.53	71	I077943	96					
82.31	84.74	2.43	MBL		2.33	96	I077944	96					

GEOTECHNICAL LOG

HOLE: Rau-10-126

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
0.00	3.96	3.96	0.70	18	0.00	0	vw	hw	7.5yr3/2	
3.96	5.49	1.53	0.75	49	0.00	0	vw	hw	7.5yr3/2	
5.49	7.01	1.52	0.67	44	0.00	0	vw	hw	7.5yr3/2	
7.01	8.53	1.52	1.05	69	0.00	0	vw	hw	7.5yr3/1	
8.53	10.06	1.53	1.30	85	0.00	0	vw	hw	7.5yr3/1	
10.06	11.58	1.52	1.20	79	0.00	0	vw	hw	7.5yr3/1	
11.58	13.11	1.53	1.10	72	0.00	0	vw	hw	7.5yr4/4	
13.11	14.63	1.52	1.24	82	0.13	9	vw	hw	7.5yr4/4	
14.63	16.15	1.52	1.52	100	0.19	13	vw	hw	7.5yr3/2	
16.15	17.68	1.53	1.42	93	0.00	0	vw	hw	10yr3/2	
17.68	19.20	1.52	1.10	72	0.00	0	vw	hw	5yr4/4	
19.20	20.73	1.53	1.33	87	0.14	9	vw	hw	10yr4/4	
20.73	22.25	1.52	1.26	83	0.00	0	vw	hw	5yr4/4	
22.25	23.77	1.52	0.00	0	0.00	0	vw	hw	7.5yr4/6	
23.77	25.30	1.53	1.21	79	0.00	0	vw	hw	2.5y3/2	
25.30	26.82	1.52	1.52	100	0.00	0	vw	hw	gley1 3/N	
26.82	28.35	1.53	1.23	80	0.00	0	vw	hw	7.5yr4/4	
28.35	29.87	1.52	1.24	82	0.00	0	vw	hw	7.5yr4/4	
29.87	31.39	1.52	1.44	95	0.00	0	vw	hw	7.5yr4/4	
31.39	32.92	1.53	1.35	88	0.00	0	vw	hw	7.5yr3/3	
32.92	34.44	1.52	1.13	74	0.00	0	vw	hw	7.5yr4/6	
34.44	35.97	1.53	0.88	58	0.00	0	vw	hw	10yr4/4	
35.97	37.49	1.52	1.30	86	0.00	0	vw	hw	10yr4/6	
37.49	39.01	1.52	1.44	95	0.00	0	vw	hw	5yr3/4	
39.01	40.54	1.53	1.33	87	0.00	0	vw	hw	7.5yr5/6	
40.54	42.06	1.52	1.21	80	0.00	0	vw	hw	7.5yr5/6	
42.06	43.59	1.53	0.95	62	0.00	0	vw	hw	7.5yr5/6	
43.59	45.11	1.52	1.25	82	0.00	0	vw	hw	7.5yr3/2	
45.11	46.63	1.52	1.34	88	0.00	0	vw	hw	7.5yr3/2	
46.63	48.16	1.53	1.44	94	0.00	0	vw	hw	7.5yr3/2	
48.16	49.68	1.52	1.23	81	0.00	0	vw	hw	7.5yr2.5/1	
49.68	51.21	1.53	1.26	82	0.22	14	vw	hw	-	
51.21	52.73	1.52	1.41	93	0.30	20	w	mw	-	
52.73	54.25	1.52	1.30	86	0.28	18	vw	hw	-	
54.25	55.78	1.53	1.05	69	0.20	13	w	hw	5yr3/4	
55.78	57.30	1.52	0.16	11	0.00	0	w	mw	5yr3/4	
57.30	58.83	1.53	0.14	9	0.00	0	w	mw	7.5yr4/6	
58.83	60.35	1.52	0.70	46	0.00	0	w	mw	5yr3/4	
60.35	61.87	1.52	0.80	53	0.00	0	ew	hw	5yr3/2	
61.87	63.40	1.53	0.56	37	0.00	0	ew	hw	5yr3/4	
63.40	64.92	1.52	1.39	91	0.99	65	ms	sw	5yr3/4	
64.92	66.45	1.53	1.40	92	1.18	77	ms	sw	5yr3/4	
66.45	67.97	1.52	1.52	100	0.98	64	w	mw	5yr3/3	
67.97	69.49	1.52	1.52	100	0.68	45	w	mw	5yr3/3	
69.49	71.02	1.53	1.35	88	0.89	58	ms	hw	5yr5/6	
71.02	72.54	1.52	1.52	100	1.14	75	ms	sw	5yr5/6	
72.54	74.07	1.53	1.42	93	1.14	75	w	sw	5yr5/6	
74.07	75.59	1.52	1.52	100	0.71	47	w	mw	5yr5/6	
75.59	77.11	1.52	1.48	97	0.19	13	w	hw	5yr5/6	
77.11	78.64	1.53	1.43	93	0.49	32	w	hw	10yr3/4	
78.64	80.16	1.52	1.44	95	0.60	39	vw	hw	5yr3/4	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
80.16	81.69	1.53	0.86	56	0.36	24	vw	hw	5yr4/6	
81.69	83.21	1.52	1.43	94	0.37	24	ms	fr	7.5yr3/1	
83.21	84.74	1.53	1.46	95	1.23	80	ms	fr	7.5yr3/1	E.O.H.

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-126

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	LST		-	
2.00	LST		-	
3.00	LST		-	
4.00	OX		-	
5.00	OX		2.87	
6.00	OX		0.33	
7.00	OX		1.94	
8.00	OX		-	
9.00	OX		1.23	
10.00	OX		2.38	
11.00	OX		2.26	
12.00	OX		3.99	
13.00	OX		3.52	
14.00	OX		3.56	
15.00	OX		3.16	
16.00	OX		2.20	
17.00	OX		8.76	
18.00	OX		5.98	
19.00	OX		6.03	
20.00	OX		7.49	
21.00	OX		6.38	
22.00	OX		5.20	
23.00	OX		-	
24.00	OX		7.69	
25.00	OX		8.38	
26.00	OX		4.70	
27.00	OX		0.40	
28.00	OX		8.60	
29.00	OX		5.79	
30.00	OX		4.83	
31.00	OX		3.64	
32.00	OX		5.59	
33.00	OX		1.37	
34.00	OX		5.30	
35.00	OX		7.03	
36.00	OX		9.52	
37.00	OX		5.14	
38.00	OX		4.03	
39.00	OX		3.79	
40.00	OX		4.73	
41.00	OX		4.78	
42.00	OX		3.79	
43.00	OX		7.37	
44.00	OX		4.23	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	OX		8.92	
46.00	OX		7.56	
47.00	OX		6.85	
48.00	OX		9.31	
49.00	LST	DOL	0.00	
50.00	LST	DOL	8.53	
51.00	LST	DOL	3.36	
52.00	LST	DOL	0.00	
53.00	LST	DOL	0.00	
54.00	LST	DOL	4.72	
55.00	LST	DOL	2.43	
56.00	OX		7.92	
57.00	OX		4.50	
58.00	OX		2.75	
59.00	OX		3.04	
60.00	OX		3.22	
61.00	OX		2.40	
62.00	OX		1.54	
63.00	OX		2.48	
64.00	DOL		6.58	
65.00	DOL		4.77	
66.00	DOL		2.68	
67.00	DOL		0.30	
68.00	DOL		4.87	
69.00	DOL		5.00	
70.00	DOL		7.86	
71.00	DOL		1.99	
72.00	DOL		7.20	
73.00	DOL		6.66	
74.00	DOL		4.06	
75.00	DOL		0.94	
76.00	DOL		6.68	
77.00	DOL		6.56	
78.00	DOL		6.55	
79.00	OX		11.80	
80.00	OX		9.17	
81.00	OX		5.82	
82.00	OX		3.20	
83.00	MBL		0.20	
84.00	MBL		1.42	E.O.H.

BOX LOG

HOLE: Rau-10-126

BOX	FROM (m)	TO (m)
1	0.00	8.08
2	8.08	12.24
3	12.24	16.15
4	16.15	20.73
5	20.73	26.71
6	26.71	31.12
7	31.12	35.66
8	35.66	39.50
9	39.50	44.18
10	44.18	48.16
11	48.16	52.24
12	52.24	57.30
13	57.30	64.70
14	64.70	68.48
15	68.48	72.54
16	72.54	76.65
17	76.65	81.20
18	81.20	84.74
84.74 - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
10+059NE	10+200NW	528409	7119230	1311	92.97

ZONE: Oxide

SECTION: 10+200NW

HOLE: **Rau-10-127**

CLAIM:

Contractor: Superior

Drill: 2

Core size: PQ

Casing depth: 4.57 m out

Drilling dates: September 26-28, 2010

Geology logged by: K. Wynne

TARGET: Oxide zone

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-60.0	compass				

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	5.15	5.15	LST	Moderate MBL, foliated
5.15	60.90	55.75	OX	Locally Qz or SID rich
60.90	63.72	2.82	LST	Intense MBL
63.72	65.33	1.61	DOL	Moderate strong OX
65.33	72.76	7.43	OX	
72.76	80.10	7.34	DOL	ANK and strong OX
80.10	82.27	2.17	LST	Moderate strong OX
82.27	92.97	10.70	DOL	ANK and strong OX
92.97	E.O.H.			

SAMPLES

Numbers: I077945-I078009

Total: 65

Batch: 96, 97, 98

Date Sent: September 30, October 3 2010

Certificate: VA10143568, VA10143569, VA10144150

COMMENTS

The hole was ended because the drill rods became stuck.

GEOLOGY LOG

HOLE: Rau-10-127

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	5.15	5.15				LST	MBL		Medium grey FO LST with MBL layers defining FO, moderate MBL overall. Very broken with brown OX on broken surfaces, increasing down interval. Gradational lCN to OX.	FO	60					w		MBL	m								
5.15	60.90	55.75				OX			Variably orange brown , brown, light yellow, or blue grey OX with local unaltered core. OX variably calcareous, generally non-calcareous clay to rubble, predominantly Grit.																		
			5.15	9.14	3.99	OX	LST		Brown to red brown clay to grit, with LST rubble to core within, moderately MBL. OX variably calcareous with local Qz rubble.																		
			9.14	13.72	4.58	OX	VOL		Light yellow with blue grey less altered section, grades into brown OX with dark grey play unoxidized pieces, with sBX appearance. OX VOL with SER in upper portion, grading to un-sericitized (or possibly ARG?). Non-calcareous. Qz rubble in first 10 cm after uCN.									SER	t								
			13.72	30.48	16.76				Orange brown clay to grit, rich in Qz rubble, locally > 90% Qz, ~ 10% overall. Weak to fair SID. Trace FG talc on surfaces.								f									
			30.48	43.70	13.22	OX			Orange brown to yellow brown clay to rubble with medium to light grey rubble and zones of core, non-calcareous, soft, < 20 cm long. Yellow brown layers have less altered platy blue grey rubble with SER sheen; VOL? Qz rubble through interval locally intense, weak overall.									SER	t								
			43.70	45.95	2.25	OX	Qz		Orange brown coating over blue grey centre with very gradational uCN, becoming increasingly Qz rich over ~ 1 m. Interval blue grey, Qz rich, non-calcareous. ~ 25% Qz rubble, with blue grey silt. lCN becoming more red brown SID grit with less blue grey silt.																		
			45.95	56.42	10.47	OX	SID		Orange brown coating on dark brown to black SID with sheen, minor silt, predominantly rubble and core. First 10 cm following uCN are bright orange silt to slightly platy rubble.								i									
			56.42	59.44	3.02	OX			Orange brown, green brown, and dark red brown OX, calcareous locally with non-calcareous platy green grey and dark grey core, very broken, with HEM/SID on FX. VOL/ARG?								t									
			57.10	57.47	0.37	OX			Green brown calcareous clay to silt with trace Qz.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			59.44	60.90	1.46	OX			Orange brown clay to grit with Qz rubble and dark grey non-calcareous rubble. OX non-calcareous.								f										
60.90	63.72	2.82				LST	MBL		Medium grey to white intense MBL LST, grading into MBL at uCN and lCN. LST has erratic layers of medium grey LST in light grey MBL LST, with light orange brown alteration of medium grey layers. uCN has OX on FX and broken core. lCN sharp. MBL locally altered to very calcareous white silt.							t		MBL	i								
63.72	65.33	1.61				DOL	OX		Grey to white DOL, MG, locally intense OX to dark red brown and orange brown, locally calcareous. Increasingly OX toward lCN.							ms											
65.33	72.76	7.43				OX			Orange brown to very dark red brown clay to OX/SID core, predominantly rubble. Increasingly solid core toward lCN. Locally weakly calcareous.								m										
72.76	80.10	7.34				DOL			CG to FG light pink to yellow DOL/ANK with HEM, strong OX locally becoming intense. Weak FG to MG dull Py disseminated and in irregular layers. Light grey FG non-calcareous zones of less altered DOL.						f	s		HEM	f	w							
			76.00	76.12	0.12	VN	Qz		Qz VN with CG Qz	VN	35																
80.10	82.27	2.17				LST	DOL		Medium grey intense DOL sBX LST, cBX by dark grey seams, locally stylolitic. Locally intense OX, moderate strong overall, with weak Py associated with OZ zones, trace overall.					i		ms				t							
82.27	92.97	10.70				DOL	OX		Light pink to yellow or light grey DOL/ANK,CG to FG, with HEM and intense OX to strong OX. Weak Py, locally strong, in layers and disseminated, FG to CG, light silvery brassy, often altered dark grey. Qz VN < 15 cm found irregularly within interval.						w	s		HEM	w	w							
									92.97 m: E.O.H. - The hole ended because drill rods became stuck.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-127

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
0.00	3.05	3.05	LST		0.65	21	I077945	96					
3.05	4.57	1.52	LST		0.56	37	I077946	96					
4.57	6.10	1.53	OX		0.64	42	I077947	96					
6.10	7.62	1.52	OX		0.27	18	I077948	97					
7.62	9.14	1.52	OX		0.76	50	I077949	97					
9.14	10.67	1.53	OX		0.20	13	I077950	97					
10.67	12.19	1.52	OX		1.06	70	I077951	97					
-	-	-	-	-	-	-	I077952	97					Blank HQ
12.19	13.72	1.53	OX		0.88	58	I077953	97					
13.72	15.24	1.52	OX		0.11	7	I077954	97					
15.24	18.29	3.05	OX		2.77	91	I077955	97					
18.29	21.34	3.05	OX		2.53	83	I077956	97					
21.34	22.86	1.52	OX		1.03	68	I077957	97					
21.34	22.86	1.52	OX		1.03	68	I077958	97					Duplicate
22.86	24.38	1.52	OX		0.86	57	I077959	97					
24.38	27.43	3.05	OX		2.81	92	I077960	97					
27.43	28.96	1.53	OX		0.98	64	I077961	97					
28.96	30.48	1.52	OX		1.07	70	I077962	97					
30.48	32.00	1.52	OX		0.91	60	I077963	97					
-	-	-	-	-	-	-	I077964	97					Standard ROS-3
32.00	33.53	1.53	OX		1.32	86	I077965	97					
33.53	35.05	1.52	OX		0.74	49	I077966	97					
35.05	38.10	3.05	OX		2.53	83	I077967	97					
38.10	39.62	1.52	OX		1.24	82	I077968	97					
39.62	41.15	1.53	OX		0.65	42	I077969	97					
-	-	-	-	-	-	-	I077970	97					Standard ROS-2
41.15	42.67	1.52	OX		1.33	87	I077971	97					
42.67	44.19	1.52	OX		0.84	55	I077972	97					
44.19	45.72	1.53	OX		1.25	82	I077973	97					
-	-	-	-	-	-	-	I077974	97					Blank HQ
45.72	47.24	1.52	OX		1.14	75	I077975	97					
47.24	48.77	1.53	OX		1.15	75	I077976	97					

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
48.77	50.29	1.52	OX		0.94	62	I077977	97					
50.29	51.82	1.53	OX		0.52	34	I077978	97					
51.82	53.34	1.52	OX		1.12	74	I077979	97					
53.34	54.86	1.52	OX		0.83	55	I077980	97					
54.86	56.39	1.53	OX		0.60	39	I077981	97					
56.39	59.44	3.05	OX		2.72	89	I077982	97					
59.44	60.90	1.46	LST	MBL	0.63	43	I077983	97					
60.90	62.48	1.58	LST	MBL	1.33	84	I077984	98					
62.48	63.72	1.24	LST	MBL	1.20	97	I077985	98					
63.72	65.33	1.61	DOL	OX	1.05	65	I077986	98					
65.33	67.06	1.73	OX		0.91	53	I077987	98					
67.06	68.58	1.52	OX		0.58	38	I077988	98					
-	-	-	-	-	-	-	I077989	98					Blank HQ
68.58	70.10	1.52	OX		1.10	72	I077990	98					
70.10	71.63	1.53	OX		0.81	53	I077991	98					
71.63	72.76	1.13	OX		1.13	100	I077992	98					
72.76	74.68	1.92	DOL	OX	1.23	64	I077993	98					
74.68	76.20	1.52	DOL	OX	1.35	89	I077994	98					
74.68	76.20	1.52	DOL	OX	1.35	89	I077995	98					Duplicate
76.20	77.72	1.52	DOL	OX	1.40	92	I077996	98					
77.72	79.25	1.53	DOL	OX	1.39	91	I077997	98					
79.25	80.10	0.85	DOL	OX	0.85	100	I077998	98					
80.10	82.27	2.17	LST	OX	2.09	96	I077999	98					
82.27	83.82	1.55	DOL	OX	1.42	92	I078000	98					
83.82	85.34	1.52	DOL	OX	1.10	72	I078001	98					
85.34	86.87	1.53	DOL	OX	1.34	88	I078002	98					
-	-	-	-	-	-	-	I078003	98					Standard ROS-3
86.87	88.39	1.52	DOL	OX	1.46	96	I078004	98					
88.39	89.92	1.53	DOL	OX	1.18	77	I078005	98					
89.92	91.44	1.52	DOL	OX	1.11	73	I078006	98					
91.44	92.96	1.52	DOL	OX	1.25	82	I078007	98					
59.44	60.90	1.46	LST	MBL	0.63	43	I078008	98					Duplicate of I077983
65.33	67.06	1.73	OX		0.91	53	I078009	98					Duplicate of I077987

GEOTECHNICAL LOG

HOLE: Rau-10-127

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
0.00	1.52	1.52	0.15	10	0.00	0	ms	mw	-	
1.52	3.05	1.53	0.50	33	0.00	0	ms	mw	-	
3.05	4.57	1.52	0.56	37	0.31	20	vw	mw	-	
4.57	6.10	1.53	0.64	42	0.00	0	ew	hw	10yr4/6	
6.10	7.62	1.52	0.27	18	0.00	0	ew	hw		
7.62	9.14	1.52	0.76	50	0.10	7	ew	hw		
9.14	10.67	1.53	0.20	13	0.00	0	ew	hw		
10.67	12.19	1.52	1.06	70	0.00	0	ew	hw		
12.19	13.72	1.53	0.88	58	0.00	0	ew	hw		
13.72	15.24	1.52	0.11	7	0.00	0	ew	hw		
15.24	16.76	1.52	1.24	82	0.00	0	ew	hw		
16.76	18.29	1.53	1.53	100	0.00	0	ew	hw		
18.29	19.81	1.52	1.42	93	0.00	0	ew	hw		
19.81	21.34	1.53	1.01	66	0.00	0	ew	hw		
21.34	22.86	1.52	1.03	68	0.00	0	ew	hw		
22.86	24.38	1.52	0.86	57	0.00	0	ew	hw		
24.38	25.91	1.53	1.40	92	0.00	0	ew	hw		
25.91	27.43	1.52	1.41	93	0.00	0	ew	hw		
27.43	28.96	1.53	0.98	64	0.00	0	ew	hw		
28.96	30.48	1.52	1.07	70	0.00	0	ew	hw		
30.48	32.00	1.52	0.91	60	0.00	0	ew	hw		
32.00	33.53	1.53	1.32	86	0.00	0	ew	hw		
33.53	35.05	1.52	0.74	49	0.00	0	ew	hw		
35.05	36.58	1.53	1.21	79	0.00	0	ew	hw		
36.58	38.10	1.52	1.32	87	0.00	0	ew	hw		
38.10	39.62	1.52	1.24	82	0.00	0	ew	hw		
39.62	41.15	1.53	0.65	42	0.00	0	ew	hw		
41.15	42.67	1.52	1.33	87	0.00	0	ew	hw		
42.67	44.19	1.52	0.84	55	0.00	0	ew	hw		
44.19	45.72	1.53	1.25	82	0.00	0	ew	hw		
45.72	47.24	1.52	1.14	75	0.00	0	ew	hw		
47.24	48.77	1.53	1.15	75	0.00	0	ew	hw		
48.77	50.29	1.52	0.94	62	0.00	0	w	hw		
50.29	51.82	1.53	1.52	99	0.00	0	w	hw		
51.82	53.34	1.52	1.12	74	0.00	0	w	hw		
53.34	54.86	1.52	0.83	55	0.00	0	vw	hw		
54.86	56.39	1.53	0.60	39	0.00	0	vw	hw		
56.39	57.91	1.52	1.32	87	0.00	0	vw	hw		
57.91	59.44	1.53	1.40	92	0.00	0	vw	hw		
59.44	60.96	1.52	0.68	45	0.00	0	vw	hw		
60.96	62.48	1.52	1.30	86	0.70	46	ms	mw		
62.48	64.00	1.52	1.22	80	0.59	39	ms	mw		
64.00	65.53	1.53	0.90	59	0.42	27	ms	mw		
65.53	67.06	1.53	0.72	47	0.00	0	vw	hw		
67.06	68.58	1.52	0.58	38	0.00	0	vw	hw		
68.58	70.10	1.52	1.10	72	0.00	0	vw	hw		
70.10	71.63	1.53	0.81	53	0.00	0	vw	hw		
71.63	73.15	1.52	1.41	93	0.29	19	vw	hw		
73.15	74.68	1.53	1.23	80	0.81	53	ms	mw		
74.68	76.20	1.52	1.35	89	0.62	41	ms	mw		
76.20	77.72	1.52	1.40	92	0.74	49	ms	mw		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
77.72	79.25	1.53	1.39	91	0.80	52	ms	mw		
79.25	80.77	1.52	1.52	100	0.90	59	w	mw		
80.77	82.30	1.53	1.32	86	0.42	27	w	mw		
82.30	83.82	1.52	1.40	92	0.61	40	w	mw		
83.82	85.34	1.52	1.10	72	0.11	7	w	mw		
85.34	86.87	1.53	1.34	88	0.62	41	w	mw		
86.87	88.39	1.52	1.46	96	0.79	52	w	hw		
88.39	89.92	1.53	1.18	77	0.12	8	vw	hw		
89.92	91.44	1.52	1.11	73	0.23	15	vw	hw		
91.44	92.97	1.53	1.25	82	0.20	13	vw	hw		E.O.H.

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-127

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	LST	MBL	0.23	
2.00	LST	MBL	0.88	
3.00	LST	MBL	2.14	
4.00	LST	MBL	0.41	
5.00	LST	MBL	0.44	
6.00	OX		0.38	
7.00	OX		3.44	
8.00	OX		1.09	
9.00	OX		0.13	
10.00	OX		3.21	
11.00	OX		2.96	
12.00	OX		0.09	
13.00	OX		2.33	
14.00	OX		4.08	
15.00	OX		-	
16.00	OX		5.87	
17.00	OX		4.08	
18.00	OX		5.78	
19.00	OX		3.19	
20.00	OX		4.04	
21.00	OX		0.79	
22.00	OX		2.90	
23.00	OX		2.81	
24.00	OX		3.37	
25.00	OX		3.27	
26.00	OX		2.76	
27.00	OX		7.10	
28.00	OX		2.88	
29.00	OX		4.88	
30.00	OX		4.20	
31.00	OX		5.93	
32.00	OX		9.22	
33.00	OX		5.87	
34.00	OX		3.35	
35.00	OX		6.88	
36.00	OX		5.63	
37.00	OX		5.49	
38.00	OX		3.52	
39.00	OX		7.74	
40.00	OX		6.00	
41.00	OX		6.48	
42.00	OX		3.95	
43.00	OX		1.57	
44.00	OX		2.29	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	OX		0.94	
46.00	OX		5.68	
47.00	OX		3.98	
48.00	OX		4.79	
49.00	OX		7.19	
50.00	OX		7.75	
51.00	OX		5.68	
52.00	OX		0.90	
53.00	OX		4.82	
54.00	OX		0.77	
55.00	OX		0.00	
56.00	OX		0.57	
57.00	OX		13.30	
58.00	OX		10.10	
59.00	OX		5.89	
60.00	OX		6.55	
61.00	LST	MBL	5.12	
62.00	LST	MBL	6.63	
63.00	LST	MBL	4.55	
64.00	DOL		7.42	
65.00	DOL		3.44	
66.00	OX		6.94	
67.00	OX		3.27	
68.00	OX		4.94	
69.00	OX		4.35	
70.00	OX		5.34	
71.00	OX		4.02	
72.00	OX		4.05	
73.00	DOL	ANK	2.08	
74.00	DOL	ANK	5.60	
75.00	DOL	ANK	2.78	
76.00	DOL	ANK	5.68	
77.00	DOL	ANK	5.01	
78.00	DOL	ANK	3.96	
79.00	DOL	ANK	4.32	
80.00	DOL	ANK	6.15	
81.00	LST	OX	1.08	
82.00	LST	OX	0.00	
83.00	DOL	ANK	7.79	
84.00	DOL	ANK	3.22	
85.00	DOL	ANK	3.61	
86.00	DOL	ANK	1.86	
87.00	DOL	ANK	5.55	
88.00	DOL	ANK	6.60	
89.00	DOL	ANK	0.72	
90.00	DOL	ANK	2.04	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	DOL	ANK	4.88	
92.00	DOL	ANK	2.98	E.O.H.

BOX LOG

HOLE: Rau-10-127

BOX	FROM (m)	TO (m)
1	0.00	6.00
2	6.00	11.29
3	11.29	15.85
4	15.85	18.29
5	18.29	21.50
6	21.50	24.74
7	24.74	27.43
8	27.43	31.06
9	31.06	34.60
10	34.60	37.78
11	37.78	41.58
12	41.58	44.85
13	44.85	47.51
14	47.51	50.29
15	50.29	53.62
16	53.62	56.90
17	56.90	59.44
18	59.44	62.90
19	62.90	66.69
20	66.69	69.35
21	69.35	72.86
22	72.86	75.23
23	75.23	77.72
24	77.72	80.15
25	80.15	82.71
26	82.71	85.34
27	85.34	87.87
28	87.87	90.30
29	90.30	92.97
92.97 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
10+071NE	10+325NW	528337	7119333	1371	101.50

ZONE: Oxide

SECTION: 10+325NW

HOLE: **Rau-10-128**

CLAIM:

Contractor: Superior

Drill: 3

Core size: HQ

Casing depth: 3.05 m out

Drilling dates: September 27-30, 2010

Geology logged by: K. Wynne

TARGET: Oxide zone

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-60.0	compass	55.78	230	-59.5	Ranger
10.06	230	-58.6	Ranger	71.02	230	-59.7	Ranger
25.30	229	-59.0	Ranger	86.26	230	-60.0	Ranger
40.54	229	-59.2	Ranger	101.45	230	-60.3	Ranger

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	39.86	39.86	LST	Very Broken, fair OX on fractures
39.86	95.60	55.74	OX	LST rubble locally within
95.60	101.50	5.90	LST	Strong DOL sBX and moderate OX

SAMPLES

Numbers: I078025-I078055

Total: 31

Batch: 99

Date Sent: October 3 2010

Certificate: VA10144151

COMMENTS

The hole was ended because it has passed the targeted horizon. Hole lined with PVC.

GEOLOGY LOG

HOLE: Rau-10-128

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	39.86	39.86				LST	OX		Medium to light grey LST, altered light brown to black locally, with zones < 10 cm of orange brown calcareous clay to grit OX. LST very broken, locally sBX by DOL VT or MBL and locally FO. OX on FX.					f		f		MBL	m								
			0.00	8.20	8.20	LST	MBL		Light to medium grey strong MBL LST, with MBL forming variable FO. Very broken, with OX on FX.							w		MBL	s								
			8.20	15.59	7.39	LST	MBL	FO	Medium grey moderate strong MBL LST, FO, very broken, with FX on FO. OX on FX and in layers < 5 cm following FO.	FO	65					f		MBL	ms								
			15.59	39.86	24.27	LST	OX		Medium grey and light brown to black variably DOL LST, moderate OX with local intense OX and SID. FX are dark brown, strongly calcareous. Locally DOL sBX, and cBX by SID seams. Gradational lCN to OX. Qz VN < 10 cm occasional.					m		m	w										
39.86	95.60	55.74				OX			Orange brown to red brown and black clay to SID rubble. Non-calcareous after uCN with LST as gradational CN, and trace local LST pieces. Qz in trace amounts.								m										
			39.86	42.06	2.20	OX	LST		Orange brown to brown calcareous clay to rubble with LST rubble and core which has been moderately OX.																		
			44.97	45.05	0.08	OX			Light yellow layer within orange brown OX. Clay to silt, non-calcareous.																		
			51.60	52.00	0.40	OX	LST		Light grey LST rubble to core, with Qz rubble and orange brown clay to grit. Calcareous.																		
			60.75	62.15	1.40	OX	SID		Orange brown coating on black SID centred silt to rubble, predominantly grit. Intensely SID zone.							s	i									
			70.85	72.20	1.35	OX	SID		Orange brown and black silt to rubble, predominantly grit. Intense SID.							s	i									
			75.65	75.90	0.25	OX	Qz		Orange brown silt to rubble with Qz rubble <2 cm ~ 10% of interval.																	
			90.54	91.00	0.46	OX			Light orange brown to yellow brown calcareous silt to OX core, predominantly core.																		
95.60	101.50	5.90				LST	DOL		Medium to light grey DOL LST with DOL sBX. DOL locally CG, sharp uCN with OX, followed by decreasing OX of LST down interval on FX and through core, variably calcareous. Trace FG OX MX through interval.					s		m											
									101.50 m E.O.H - Hole ended because OX interval passed.																		

SAMPLE LOG

HOLE: Rau-10-128

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
29.87	31.39	1.52	LST	OX	0.67	44	I078025	99					
31.39	34.44	3.05	LST	OX	2.56	84	I078026	99					
34.44	37.49	3.05	LST	OX	2.67	88	I078027	99					
34.44	37.49	3.05	LST	OX	2.67	88	I078028	99					Duplicate
37.49	39.86	2.37	LST	OX	1.23	52	I078029	99					
39.86	42.06	2.20	OX		1.73	79	I078030	99					
42.06	43.59	1.53	OX		0.77	50	I078031	99					
-	-	-	-		-	-	I078032	99					Standard ROS-1
43.59	45.11	1.52	OX		1.52	100	I078033	99					
45.11	48.16	3.05	OX		2.77	91	I078034	99					
48.16	51.21	3.05	OX		2.68	88	I078035	99					
51.21	52.73	1.52	OX		0.80	53	I078036	99					
52.73	55.78	3.05	OX		2.92	96	I078037	99					
-	-	-	-		-	-	I078038	99					Blank HQ
55.78	58.83	3.05	OX		3.04	100	I078039	99					
58.83	61.87	3.04	OX		3.04	100	I078040	99					
61.87	64.92	3.05	OX		2.89	95	I078041	99					
64.92	67.97	3.05	OX		2.99	98	I078042	99					
67.97	71.02	3.05	OX		2.95	97	I078043	99					
71.02	74.07	3.05	OX		2.73	90	I078044	99					
74.07	77.11	3.04	OX		2.94	97	I078045	99					
-	-	-	-		-	-	I078046	99					Standard ROS-3
77.11	80.16	3.05	OX		2.69	88	I078047	99					
81.69	84.73	3.04	OX		2.52	83	I078048	99					
84.73	87.78	3.05	OX		2.74	90	I078049	99					
87.78	90.83	3.05	OX		2.85	93	I078050	99					
-	-	-	-		-	-	I078051	99					Blank HQ
90.83	93.88	3.05	OX		2.76	90	I078052	99					
93.88	95.60	1.72	OX		1.38	80	I078053	99					
95.60	98.45	2.85	LST	DOL	2.52	88	I078054	99					
98.45	101.50	3.05	LST	DOL	2.79	91	I078055	99					

GEOTECHNICAL LOG

HOLE: Rau-10-128

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
0.00	3.96	3.96	0.42	11	0.00	0	vw	hw	n/a	
3.96	5.49	1.53	0.27	18	0.00	0	vw	hw	n/a	
5.49	7.01	1.52	0.83	55	0.00	0	vw	hw	n/a	
7.01	8.53	1.52	1.28	84	0.44	29	vw	hw	n/a	
8.53	10.06	1.53	0.91	59	0.00	0	vw	hw	n/a	
10.06	11.58	1.52	1.10	72	0.00	0	vw	hw	n/a	
11.58	13.11	1.53	1.09	71	0.00	0	vw	hw	n/a	
13.11	14.63	1.52	0.82	54	0.00	0	vw	hw	n/a	
14.63	16.15	1.52	1.05	69	0.20	13	vw	hw	n/a	
16.15	17.68	1.53	0.60	39	0.00	0	vw	hw	n/a	
17.68	19.20	1.52	0.74	49	0.22	14	vw	hw	n/a	
19.20	20.73	1.53	1.50	98	0.92	60	vw	hw	n/a	
20.73	22.25	1.52	1.21	80	0.00	0	vw	hw	n/a	
22.25	23.77	1.52	1.26	83	0.10	7	vw	hw	n/a	
23.77	25.30	1.53	1.10	72	0.32	21	vw	hw	n/a	
25.30	26.82	1.52	1.19	78	0.21	14	vw	hw	n/a	
26.82	28.35	1.53	1.32	86	0.31	20	vw	hw	n/a	
28.35	29.87	1.52	1.38	91	0.46	30	vw	hw	n/a	
29.87	31.39	1.52	0.67	44	0.00	0	vw	hw	n/a	
31.39	32.92	1.53	1.36	89	0.28	18	vw	hw	n/a	
32.92	34.44	1.52	1.20	79	0.67	44	vw	hw	n/a	
34.44	35.97	1.53	1.42	93	1.03	67	w	hw	n/a	
35.97	37.49	1.52	1.15	76	0.53	35	ms	mw	n/a	
37.49	39.01	1.52	0.72	47	0.00	0	w	mw	n/a	
39.01	40.54	1.53	1.24	81	0.00	0	vw	hw	7.5yr5/6	
40.54	42.06	1.52	1.14	75	0.34	22	ew	hw	7.5yr5/6	
42.06	43.59	1.53	0.77	50	0.00	0	ew	hw	5yr4/4	
43.59	45.11	1.52	1.52	100	0.00	0	ew	hw	2.5yr4/6	
45.11	46.63	1.52	1.25	82	0.00	0	ew	hw	2.5yr4/6	
46.63	48.16	1.53	1.52	99	0.00	0	ew	hw	2.5yr4/6	
48.16	49.68	1.52	1.43	94	0.00	0	ew	hw	2.5yr4/6	
49.68	51.21	1.53	1.25	82	0.00	0	ew	hw	5yr5/6	
51.21	52.73	1.52	0.80	53	0.00	0	ew	hw	5yr5/6	
52.73	54.25	1.52	1.40	92	0.00	0	ew	hw	5yr3/4	
54.25	55.78	1.53	1.52	99	0.00	0	ew	hw	2.5yr4/6	
55.78	57.30	1.52	1.52	100	0.00	0	ew	hw	2.5yr4/6	
57.30	58.83	1.53	1.52	99	0.00	0	ew	hw	2.5yr4/6	
58.83	60.35	1.52	1.52	100	0.00	0	ew	hw	2.5yr4/6	
60.35	61.87	1.52	1.52	100	0.00	0	ew	hw	7.5yr5/6	
61.87	63.40	1.53	1.37	90	0.00	0	ew	hw	7.5yr4/4	
63.40	64.92	1.52	1.52	100	0.00	0	ew	hw	7.5yr4/4	
64.92	66.45	1.53	1.52	99	0.00	0	ew	hw	2.5yr4/4	
66.45	67.97	1.52	1.47	97	0.00	0	ew	hw	2.5yr4/4	
67.97	69.49	1.52	1.43	94	0.00	0	ew	hw	7.5yr5/6	
69.49	71.02	1.53	1.52	99	0.00	0	ew	hw	5yr3/4	
71.02	72.54	1.52	1.21	80	0.00	0	ew	hw	5yr3/4	
72.54	74.07	1.53	1.52	99	0.00	0	ew	hw	7.5yr4/4	
74.07	75.59	1.52	1.52	100	0.00	0	ew	hw	7.5yr3/3	
75.59	77.11	1.52	1.42	93	0.00	0	ew	hw	7.5yr4/3	
77.11	78.64	1.53	1.23	80	0.00	0	ew	hw	7.5yr4/6	
78.64	80.16	1.52	1.46	96	0.00	0	ew	hw	7.5yr5/6	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
80.16	81.69	1.53	0.00	0	0.00	0	ew	hw	n/a	
81.69	83.21	1.52	1.03	68	0.00	0	ew	hw	7.5yr4/6	
83.21	84.73	1.52	1.49	98	0.00	0	ew	hw	7.5yr3/2	
84.73	86.26	1.53	1.43	93	0.00	0	ew	hw	7.5yr4/6	
86.26	87.78	1.52	1.31	86	0.00	0	ew	hw	7.5yr3/2	
87.78	89.31	1.53	1.34	88	0.00	0	ew	hw	7.5yr4/6	
89.31	90.83	1.52	1.51	99	0.00	0	ew	hw	7.5yr5/6	
90.83	92.35	1.52	1.33	88	0.00	0	ew	hw	7.5yr5/6	
92.35	93.88	1.53	1.43	93	0.00	0	ew	hw	10yr4/4	
93.88	95.40	1.52	1.21	80	0.00	0	ew	hw	7.5yr5/6	
95.40	96.93	1.53	1.24	81	0.22	14	vw	hw	n/a	
96.93	98.45	1.52	1.47	97	0.75	49	w	mw	n/a	
98.45	99.97	1.52	1.43	94	0.40	26	w	mw	n/a	
99.97	101.50	1.53	1.36	89	0.42	27	w	mw	n/a	E.O.H.

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-128

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	LST		n/a	
2.00	LST		n/a	
3.00	LST		n/a	
4.00	LST		0.48	
5.00	LST		1.71	
6.00	LST		0.00	
7.00	LST		0.60	
8.00	LST		0.05	
9.00	LST		2.65	
10.00	LST		n/a	
11.00	LST		2.01	
12.00	LST		3.39	
13.00	LST		5.02	
14.00	LST		n/a	
15.00	LST		2.97	
16.00	LST		3.34	
17.00	LST		4.04	
18.00	LST		0.00	
19.00	LST		4.40	
20.00	LST		6.85	
21.00	LST		1.51	
22.00	LST		2.40	
23.00	LST		2.20	
24.00	LST		5.74	
25.00	LST		1.26	
26.00	LST		2.48	
27.00	LST		0.20	
28.00	LST		3.94	
29.00	LST		0.73	
30.00	LST		0.00	
31.00	LST		5.69	
32.00	LST		9.24	
33.00	LST		0.00	
34.00	LST		3.44	
35.00	LST		6.45	
36.00	LST		0.58	
37.00	LST		2.58	
38.00	LST		3.14	
39.00	LST		6.23	
40.00	OX		6.88	
41.00	OX		3.56	
42.00	OX		6.53	
43.00	OX		1.47	
44.00	OX		5.64	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	OX		0.00	
46.00	OX		5.86	
47.00	OX		5.14	
48.00	OX		2.21	
49.00	OX		9.25	
50.00	OX		1.69	
51.00	OX		0.82	
52.00	OX		1.99	
53.00	OX		7.50	
54.00	OX		5.44	
55.00	OX		3.29	
56.00	OX		0.00	
57.00	OX		0.94	
58.00	OX		0.00	
59.00	OX		0.10	
60.00	OX		0.20	
61.00	OX		0.48	
62.00	OX		4.60	
63.00	OX		2.62	
64.00	OX		0.97	
65.00	OX		3.12	
66.00	OX		1.54	
67.00	OX		2.13	
68.00	OX		2.20	
69.00	OX		7.67	
70.00	OX		0.28	
71.00	OX		6.18	
72.00	OX		2.38	
73.00	OX		5.98	
74.00	OX		4.75	
75.00	OX		3.79	
76.00	OX		3.74	
77.00	OX		5.15	
78.00	OX		5.52	
79.00	OX		5.32	
80.00	OX		4.18	
81.00	OX		n/a	
82.00	OX		5.25	
83.00	OX		4.77	
84.00	OX		8.98	
85.00	OX		5.54	
86.00	OX		5.66	
87.00	OX		3.83	
88.00	OX		6.35	
89.00	OX		3.20	
90.00	OX		3.91	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	OX		4.55	
92.00	OX		3.67	
93.00	OX		8.66	
94.00	OX		5.17	
95.00	OX		8.03	
96.00	LST	DOL	6.70	
97.00	LST	DOL	3.32	
98.00	LST	DOL	5.24	
99.00	LST	DOL	3.12	
100.00	LST	DOL	4.80	
101.00	LST	DOL	1.79	E.O.H.

BOX LOG

HOLE: Rau-10-128

BOX	FROM (m)	TO (m)
1	0.00	8.38
2	8.38	12.50
3	12.50	17.48
4	17.48	21.79
5	21.79	25.42
6	25.42	29.26
7	29.26	33.37
8	33.37	37.49
9	37.49	42.26
10	42.26	46.74
11	46.74	51.21
12	51.21	55.78
13	55.78	59.88
14	59.88	63.86
15	63.86	67.97
16	67.97	71.88
17	71.88	75.48
18	75.48	79.30
19	79.30	84.92
20	84.92	88.55
21	88.55	92.35
22	92.35	96.48
23	96.48	100.31
24	100.31	101.50
101.50 m - E.O.H.		

RAU PROPERTY

	Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
ZONE: Oxide	10+069NE	10+225NW	528402	7119257	1325	103.72

SECTION: 10+225NW

HOLE: **Rau-10-129**

CLAIM:

Contractor: Superior

Drill: 2

Core size: PQ

Casing depth: 1.52 m out

Drilling dates: September 29 - October 1, 2010

Geology logged by: K. Wynne

TARGET: Oxide zone

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-60.0	compass				

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	17.50	17.50	LST	Intense MBL and strong OX
17.50	21.34	3.84	OX	
21.34	25.07	3.73	LST	Moderate strong MBL and OX
25.07	76.90	51.83	OX	Locally blue grey and Qz rich.
76.90	77.42	0.52	LST	Strong MBL and weak OX
77.42	103.72	26.30	DOL	Intense OX with fair Py.
103.72	E.O.H.			

SAMPLES

Numbers: I078010-I078024, I078056-I078115

Total: 75

Batch: 98, 99, 100, 101

Date Sent: October 3, 4 2010

Certificate: VA10144150, VA10144151, VA10148570

VA10148571

COMMENTS

Hole ended because drill head broke.

GEOLOGY LOG

HOLE: Rau-10-129

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	17.50	17.50				LST	OX		Light grey intense MBL LST, locally MBL over < 1 m, FO defined by MBL and LST layers, moderate strong brown to orange brown clay to grit OX on broken surfaces, and through zones < 15 cm with LST rubble locally within. OX calcareous.	FO	60					ms		MBL	i								
17.50	21.34	3.84				OX			Orange brown to brown OX, locally calcareous with LST pieces. Generally clay to grit.																	
			17.50	18.60	1.10	OX			Medium brown and red brown clay to grit, calcareous, with LST rubble and core < 10 cm as gradational uCN with LST.																	
			18.60	21.34	2.74	OX			orange brown clay to grit with Qz rubble locally. Increasingly light brown down interval. Sharp lCN with LST with OX in irregular zones.																	
21.34	25.07	3.73				LST	OX		medium grey moderate strong MBL LST, with dark grey to orange brown OX zones < 25 cm with LST rubble within, with irregular CN with LST. Moderate Strong OX. LST locally cBX, with irregular sBX clasts of MBL.							ms		MBL	ms								
25.07	76.90	51.83				OX			orange brown to brown, locally red brown clay to rubble, variably calcareous with LST rubble and zones of intense OX LST. Locally blue grey and Qz rich.																	
			25.07	29.60	4.53	OX	LST		Orange brown clay to rubble with LST rubble to core, variably calcareous. LST medium grey. LST is trace beyond this interval.																	
			32.00	32.27	0.27	OX	Qz		Orange brown clay to grit, non-calcareous, with Qz rubble throughout ~ 15 % of interval.																	
			33.04	33.43	0.39	OX	LST		Medium brown to orange brown clay to rubble with LST rubble to intense OX core, calcareous.																	
			36.20	36.58	0.38	OX	Qz		Medium red brown to orange brown clay to rubble with Qz rubble ~ 25 % of interval.																	
			36.58	40.10	3.52	OX	SID		Red brown silt to SID rubble locally black. Non calcareous, with local MG SID crystals visible. Increasingly clay/silt toward lCN.								i										
			40.10	42.67	2.57	OX	Qz		Green grey to light orange brown and red brown clay to rubble with Qz rubble variably intense to absent over ~ 25 cm. Strong overall.																	
			42.67	44.00	1.33	OX			Blue grey and dull orange brown clay to silt, non calcareous, grading into light bright orange brown clay to rubble down interval.																	

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			44.00	46.07	2.07	OX			Light orange brown to brown, and blue grey, non calcareous clay to rubble, very gradation on contacts. Rubble locally has platy shape, light blue grey to dark blue grey; VOL/ARG? Locally has FG disseminated talc, platy with shine.																		
			46.07	48.30	2.23	OX			Blue grey mottled with minor light yellow clay to grit, predominantly silt. Non-calcareous, with no Qz.																		
			48.30	51.42	3.12	OX			Blue grey to dark red brown clay to grit with intense Qz rubble ~ 35 % of interval, < 2 cm in diameter. Sharp lCN with OX rubble.																		
			51.42	52.17	0.75	OX			Light yellow coated red brown centred OX core, with small patches of blue grey with Qz in core. Last 5 cm an orange brown clay to silt with FG Qz rubble within.																		
			52.17	76.90	24.73	OX	SID		Bright orange brown to red brown, locally black intense SID clay to core, predominantly rubble. Sharp lCN with MBL LST.								i										
76.90	77.42	0.52				LST	MBL		Light to medium grey strong MBL LST, locally intense MBL with dark grey irregular layers. Thin dark grey seams at ~ 40 degrees TCA; FX set? lCN with DOL irregular, strongly calcareous ~ 10 cm into DOL. LST weakly OX after first 5 cm of intense OX.																		
77.42	103.72	26.30				DOL	OX		FG to CG light grey to beige DOL locally with FG seams between crystals, variably weak to intense OX on FX and through core in zones < 50 cm long of silt to intense OX core. Trace FG to CG Py, light brassy, disseminated, locally OX.							m			t								
			94.83	99.71	4.88	OX			Orange brown to black locally strong SID OX clay to intense OX core, predominantly grit. Weakly calcareous. Gradational contacts with intense OX DOL.								m										
			102.65	103.04	0.39	DOL	OX		orange brown to black intense OX DOL with fair FG disseminated Py.							i			f							
									103.72 m: E.O.H. - Hole ended because drill head broke.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-129

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
7.62	9.14	1.52	LST	OX	1.10	72	I078010	98					
9.14	10.67	1.53	LST	OX	0.76	50	I078011	98					
10.67	12.19	1.52	LST	OX	0.90	59	I078012	98					
-	-	-	-	-	-	-	I078013	98					Blank HQ
12.19	13.72	1.53	LST	OX	0.94	61	I078014	98					
13.72	15.24	1.52	LST	OX	1.08	71	I078015	98					
15.24	17.50	2.26	LST	OX	1.15	51	I078016	98					
17.50	18.29	0.79	OX		0.32	41	I078017	98					
18.29	19.81	1.52	OX		1.20	79	I078018	98					
-	-	-	-	-	-	-	I078019	98					Standard ROS-2
19.81	21.34	1.53	OX		1.30	85	I078020	99					
21.34	22.86	1.52	LST	OX	1.52	100	I078021	99					
22.86	24.38	1.52	LST	OX	1.48	97	I078022	99					
24.38	25.91	1.53	LST	OX	1.27	83	I078023	99					
25.91	27.43	1.52	OX		1.43	94	I078024	99					
27.43	28.96	1.53	OX		1.49	97	I078056	100					
28.96	30.48	1.52	OX		1.10	72	I078057	100					
30.48	32.00	1.52	OX		1.40	92	I078058	100					
32.00	33.53	1.53	OX		1.44	94	I078059	100					
33.53	35.05	1.52	OX		1.09	72	I078060	100					
-	-	-	-	-	-	-	I078061	100					Standard ROS-2
35.05	36.58	1.53	OX		1.28	84	I078062	100					
36.58	38.10	1.52	OX		1.10	72	I078063	100					
38.10	39.62	1.52	OX		1.23	81	I078064	100					
39.62	41.15	1.53	OX		1.43	93	I078065	100					
39.62	41.15	1.53	OX		1.43	93	I078066	100					Duplicate
41.15	42.67	1.52	OX		0.68	45	I078067	100					
42.67	44.20	1.53	OX		1.02	67	I078068	100					
44.20	45.73	1.53	OX		1.05	69	I078069	100					
45.73	47.24	1.51	OX		1.21	80	I078070	100					
-	-	-	-	-	-	-	I078071	100					Blank HQ
47.24	48.77	1.53	OX		0.58	38	I078072	100					

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
48.77	50.29	1.52	OX		0.25	16	I078073	100					
50.29	51.82	1.53	OX		1.31	86	I078074	100					
51.82	53.34	1.52	OX		1.45	95	I078075	100					
53.34	54.86	1.52	OX		0.80	53	I078076	100					
-	-	-	-	-	-	-	I078077	100					Standard ROS-4
54.86	56.39	1.53	OX		1.46	95	I078078	100					
56.39	57.91	1.52	OX		1.33	88	I078079	100					
57.91	59.44	1.53	OX		1.53	100	I078080	100					
59.44	60.96	1.52	OX		1.35	89	I078081	100					
60.96	62.48	1.52	OX		1.32	87	I078082	100					
62.48	64.00	1.52	OX		0.52	34	I078083	100					
64.00	65.53	1.53	OX		1.47	96	I078084	100					
65.53	67.06	1.53	OX		1.33	87	I078085	100					
-	-	-	-	-	-	-	I078086	100					Blank HQ
67.06	68.58	1.52	OX		1.39	91	I078087	100					
68.58	70.10	1.52	OX		1.34	88	I078088	100					
70.10	71.63	1.53	OX		1.36	89	I078089	100					
71.63	73.15	1.52	OX		1.39	91	I078090	100					
73.15	74.68	1.53	OX		1.10	72	I078091	100					
74.68	76.20	1.52	OX		1.40	92	I078092	101					
76.20	76.90	0.70	OX		0.46	66	I078093	101					
76.90	77.72	0.82	LST	MBL	0.82	100	I078094	101					
77.72	79.25	1.53	DOL	OX	1.42	93	I078095	101					
-	-	-	-	-	-	-	I078096	101					Standard ROS-1
79.25	80.77	1.52	DOL	OX	1.40	92	I078097	101					
80.77	82.30	1.53	DOL	OX	1.46	95	I078098	101					
82.30	83.82	1.52	DOL	OX	1.35	89	I078099	101					
83.82	85.34	1.52	DOL	OX	1.41	93	I078100	101					
83.82	85.34	1.52	DOL	OX	1.41	93	I078101	101					Duplicate
85.34	86.87	1.53	DOL	OX	1.28	84	I078102	101					
86.87	88.39	1.52	DOL	OX	1.35	89	I078103	101					
-	-	-	-	-	-	-	I078104	101					Blank HQ
88.39	89.91	1.52	DOL	OX	1.38	91	I078105	101					

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
89.91	91.44	1.53	DOL	OX	1.50	98	I078106	101					
91.44	92.96	1.52	DOL	OX	1.3	86	I078107	101					
92.96	94.83	1.87	DOL	OX	1.73	93	I078108	101					
94.83	96.01	1.18	DOL	OX	0.82	69	I078109	101					
96.01	97.54	1.53	DOL	OX	0.65	42	I078110	101					
97.54	99.06	1.52	DOL	OX	0.82	54	I078111	101					
99.06	100.58	1.52	DOL	OX	1.09	72	I078112	101					
-	-	-	-	-	-	-	I078113	101					Standard ROS-3
100.58	102.11	1.53	DOL	OX	1.45	95	I078114	101					
102.11	103.72	1.61	DOL		1.16	72	I078115	101					

GEOTECHNICAL LOG

HOLE: Rau-10-129

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
0.00	1.52	1.52	0.25	16	0.15	10	w	hw	n/a	
1.52	3.05	1.53	0.55	36	0.00	0	w	hw	n/a	
3.05	4.57	1.52	0.35	23	0.13	9	w	hw	n/a	
4.57	6.10	1.53	0.57	37	0.00	0	w	hw	n/a	
6.10	7.62	1.52	1.00	66	0.26	17	w	hw	n/a	
7.62	9.14	1.52	1.10	72	0.25	16	w	hw	n/a	
9.14	10.67	1.53	0.76	50	0.14	9	w	hw	n/a	
10.67	12.19	1.52	0.90	59	0.00	0	w	hw	n/a	
12.19	13.72	1.53	0.94	61	0.41	27	w	hw	n/a	
13.72	15.24	1.52	1.08	71	0.25	16	w	hw	n/a	
15.24	16.76	1.52	0.60	39	0.24	16	w	hw	n/a	
16.76	18.29	1.53	0.49	32	0.00	0	ew	ew	7.5yr 4/6	
18.29	19.81	1.52	1.20	79	0.00	0	ew	ew	5yr5/6	
19.81	21.34	1.53	1.30	85	0.00	0	ew	ew	5yr5/6	
21.34	22.86	1.52	1.52	100	0.15	10	ew	ew	5yr5/6	
22.86	24.38	1.52	1.48	97	0.56	37	ew	ew	7.5yr6/6	
24.38	25.91	1.53	1.27	83	0.00	0	ew	ew	5yr5/6	
25.91	27.43	1.52	1.43	94	0.00	0	ew	ew	5yr5/8	
27.43	28.96	1.53	1.49	97	0.00	0	ew	ew	7.5yr4/4	
28.96	30.48	1.52	1.10	72	0.21	14	ew	ew	7.5yr4/4	
30.48	32.00	1.52	1.40	92	0.00	0	ew	ew	5yr4/6	
32.00	33.53	1.53	1.44	94	0.00	0	ew	ew	5yr5/6	
33.53	35.05	1.52	1.09	72	0.00	0	ew	ew	7.5yr4/6	
35.05	36.58	1.53	1.28	84	0.00	0	ew	ew	5yr5/6	
36.58	38.10	1.52	1.10	72	0.00	0	ew	ew	5yr4/6	
38.10	39.62	1.52	1.23	81	0.00	0	ew	ew	5yr4/4	
39.62	41.15	1.53	1.43	93	0.00	0	ew	ew	5yr3/4 10yr5/4	
41.15	42.67	1.52	0.68	45	0.00	0	ew	ew	2.5y4/3	
42.67	44.20	1.53	1.02	67	0.00	0	ew	ew	2.5y4/3 10yr6/8	
44.20	45.72	1.52	1.05	69	0.00	0	ew	ew	2.5y4/4	
45.72	47.24	1.52	1.21	80	0.00	0	ew	ew	gley1 3/n	
47.24	48.77	1.53	0.58	38	0.00	0	ew	ew	gley1 3/n 5y5/2	
48.77	50.29	1.52	0.25	16	0.00	0	ew	ew	gley 3/n	
50.29	51.82	1.53	1.31	86	0.00	0	ew	ew	5y3/1	
51.82	53.34	1.52	1.45	95	0.00	0	ew	ew	5yr4/4	
53.34	54.86	1.52	0.80	53	0.00	0	ew	ew	5yr4/4	
54.86	56.39	1.53	1.46	95	0.00	0	ew	ew	5yr4/4	
56.39	57.91	1.52	1.33	88	0.00	0	ew	ew	5yr3/4	
57.91	59.44	1.53	1.53	100	0.00	0	ew	ew	5yr4/4	
59.44	60.96	1.52	1.35	89	0.00	0	ew	ew	5yr5/6	
60.96	62.48	1.52	1.32	87	0.00	0	ew	ew	5yr4/6	
62.48	64.00	1.52	0.52	34	0.00	0	ew	ew	7.5yr4/6	
64.00	65.53	1.53	1.47	96	0.00	0	ew	ew	7.5yr3/3	
65.53	67.06	1.53	1.33	87	0.00	0	ew	ew	7.5yr5/6	
67.06	68.58	1.52	1.39	91	0.00	0	ew	ew	5yr4/4	
68.58	70.10	1.52	1.34	88	0.00	0	ew	ew	7.5yr5/8	
70.10	71.63	1.53	1.36	89	0.00	0	ew	ew	5yr4/6	
71.63	73.15	1.52	1.39	91	0.00	0	ew	ew	5yr4/6	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
73.15	74.68	1.53	1.10	72	0.00	0	ew	hw	5yr4/6	
74.68	76.20	1.52	1.40	92	0.00	0	ew	hw	5yr4/4	
76.20	77.72	1.52	1.38	91	0.20	13	ew	hw	7.5yr5/6	
77.72	79.25	1.53	1.42	93	0.90	59	ms	hw	n/a	
79.25	80.77	1.52	1.40	92	0.81	53	ms	hw	n/a	
80.77	82.30	1.53	1.46	95	0.92	60	ms	hw	n/a	
82.30	83.82	1.52	1.35	89	0.60	39	w	hw	n/a	
83.82	85.34	1.52	1.41	93	1.11	73	w	hw	n/a	
85.34	86.87	1.53	1.28	84	0.43	28	w	hw	n/a	
86.87	88.39	1.52	1.35	89	0.90	59	w	hw	n/a	
88.39	89.91	1.52	1.38	91	0.79	52	w	hw	7.5yr4/4	
89.91	91.44	1.53	1.50	98	0.00	0	w	hw	7.5yr4/4	
91.44	92.96	1.52	1.30	86	0.55	36	w	hw	n/a	
92.96	94.49	1.53	1.20	78	0.58	38	w	hw	n/a	
94.49	96.01	1.52	1.07	70	0.26	17	vw	hw	7.5yr4/4	
96.01	97.54	1.53	0.65	42	0.00	0	ew	hw	7.5yr4/4	
97.54	99.06	1.52	0.82	54	0.00	0	ew	ew	5yr4/6	
99.06	100.58	1.52	1.09	72	0.31	20	ew	ew	7.5yr5/6	
100.58	102.11	1.53	1.45	95	1.33	87	ms	hw	n/a	
102.11	103.63	1.52	1.52	100	1.24	82	ms	hw	n/a	
103.63	103.72	0.09	0.09	100	0.00	0	ms	hw	n/a	E.O.H.

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-129

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00			n/a	
2.00			n/a	
3.00	LST	MBL	0.37	
4.00	LST	MBL	0.78	
5.00	LST	MBL	0.41	
6.00	LST	MBL	0.28	
7.00	LST	MBL	0.69	
8.00	LST	MBL	0.00	
9.00	LST	MBL	1.30	
10.00	LST	MBL	0.57	
11.00	LST	MBL	0.76	
12.00	LST	MBL	1.11	
13.00	LST	MBL	0.66	
14.00	LST	MBL	0.23	
15.00	LST	MBL	2.63	
16.00	LST	MBL	0.35	
17.00	LST	MBL	1.31	
18.00	OX		2.11	
19.00	OX		3.01	
20.00	OX		4.07	
21.00	OX		3.56	
22.00	LST	MBL	2.59	
23.00	LST	MBL	6.15	
24.00	LST	MBL	1.92	
25.00	LST	MBL	0.00	
26.00	OX		4.98	
27.00	OX		5.53	
28.00	OX		6.88	
29.00	OX		n/a	
30.00	OX		6.30	
31.00	OX		11.30	
32.00	OX		4.89	
33.00	OX		10.10	
34.00	OX		11.40	
35.00	OX		12.28	
36.00	OX		12.80	
37.00	OX		5.97	
38.00	OX		6.57	
39.00	OX		0.91	
40.00	OX		8.77	
41.00	OX		2.32	
42.00	OX		10.30	
43.00	OX		4.20	
44.00	OX		4.42	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	OX		7.19	
46.00	OX		8.71	
47.00	OX		5.03	
48.00	OX		10.20	
49.00	OX		n/a	
50.00	OX		n/a	
51.00	OX		6.98	
52.00	OX		10.60	
53.00	OX		2.66	
54.00	OX		6.43	
55.00	OX		1.85	
56.00	OX		8.12	
57.00	OX		7.79	
58.00	OX		13.40	
59.00	OX		6.91	
60.00	OX		2.72	
61.00	OX		6.64	
62.00	OX		7.47	
63.00	OX		5.69	
64.00	OX		1.96	
65.00	OX		6.14	
66.00	OX		4.42	
67.00	OX		2.88	
68.00	OX		15.60	
69.00	OX		9.56	
70.00	OX		4.55	
71.00	OX		7.26	
72.00	OX		11.20	
73.00	OX		7.28	
74.00	OX		5.86	
75.00	OX		6.11	
76.00	OX		8.56	
77.00	LST		4.29	
78.00	DOL	OX	9.78	
79.00	DOL	OX	9.53	
80.00	DOL	OX	8.18	
81.00	DOL	OX	5.38	
82.00	DOL	OX	5.77	
83.00	DOL	OX	4.97	
84.00	DOL	OX	4.17	
85.00	DOL	OX	6.91	
86.00	DOL	OX	2.78	
87.00	DOL	OX	6.33	
88.00	DOL	OX	10.10	
89.00	DOL	OX	3.72	
90.00	DOL	OX	9.23	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	DOL	OX	11.40	
92.00	DOL	OX	6.31	
93.00	DOL	OX	4.36	
94.00	DOL	OX	1.34	
95.00	DOL	OX	5.06	
96.00	DOL	OX	8.48	
97.00	DOL	OX	n/a	
98.00	DOL	OX	6.24	
99.00	DOL	OX	5.44	
100.00	DOL	OX	7.23	
101.00	DOL	OX	11.30	
102.00	DOL	OX	3.07	
103.00	DOL	OX	1.71	E.O.H.

BOX LOG

HOLE: Rau-10-129

BOX	FROM (m)	TO (m)
1	0.00	6.10
2	6.10	9.14
3	9.14	11.96
4	11.96	14.56
5	14.56	18.53
6	18.53	21.67
7	21.67	23.51
8	23.51	25.91
9	25.91	28.57
10	28.57	30.76
11	30.76	34.45
12	34.45	37.64
13	37.64	40.22
14	40.22	44.20
15	44.20	47.24
16	47.24	51.82
17	51.82	55.01
18	55.01	57.65
19	57.65	60.27
20	60.27	63.00
21	63.00	66.50
22	66.50	69.39
23	69.39	72.11
24	72.11	74.02
25	74.02	77.72
26	77.72	80.46
27	80.46	83.30
28	83.30	85.63
29	85.63	88.39
30	88.39	91.29
31	91.29	94.09
32	94.09	96.53
33	96.53	100.82
34	100.82	103.35
35	103.35	103.72
103.72 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
10+039NE	10+325NW	528311	7119312	1358	87.78

ZONE: Oxide

SECTION: 10+325NW

HOLE: **Rau-10-130**

CLAIM:

Contractor: Superior

Drill: 3

Core size: HQ

Casing depth: 3.05 m out

Drilling dates: October 1-3 2010

Geology logged by: K. Wynne

TARGET: Oxide zone

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-60.0	compass	57.30	229	-59.0	Ranger
11.58	228	-58.1	Ranger	72.54	229	-59.1	Ranger
26.82	229	-58.6	Ranger	87.75	230	-59.2	Ranger
42.06	228	-58.5	Ranger				

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	3.78	3.78	LST	Foliated with moderate MBL
3.78	37.24	33.46	OX	Local OX LST
37.24	52.73	15.49	LST	Intense OX, variable DOL
52.73	71.22	18.49	OX	
71.22	76.02	4.80	LST	Intense DOL, strong OX.
76.02	87.78	11.76	DOL	Strong OX
87.78	E.O.H.			

SAMPLES

Numbers: I078116-I078164

Total: 49

Batch: 101, 102, 103

Date Sent: October 4, 6, 8 2010

Certificate: VA10148571, VA10148572, VA10148573

COMMENTS

Hole ended because target oxide horizon was passed.
Hole lined with PVC.

GEOLOGY LOG

HOLE: Rau-10-130

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	3.78	3.78				LST			Light grey FO LST with moderated MBL defining FO. Very broken to rubble and grit locally. Weakly OX. Particularly toward lCN.							w		MBL	m								
3.78	37.24	33.46				OX	LST		Red brown to orange brown clay to rubble, with intervals of fair to intense OX LST, variably DOL sBX, with SID/OX VN. Qz rubble common in patches and zones.																		
			8.35	10.06	1.71	OX	Qz		orange brown clay to grit with Qz rubble < 4 cm as ~ 30% of interval (very poor recovery, OX likely washed away).																		
			10.06	13.11	3.05	OX	LST		Intense OX and SID LST core. Very poor recovery.								i									
			13.11	17.15	4.04	OX			Orange brown clay to grit with local Qz rubble, locally calcareous.																		
			17.15	20.69	3.54	LST	OX		medium grey to light buff LST, sBX by FG to MG DOL with SID cBX seams locally and SID VT at ~ 35-40 degrees. Intense OX on rubble surfaces, FX, and through zones < 20 cm of clay to LST rubble.	VT	35						m										
			20.69	27.00	6.31	OX	LST		Orange brown clay to rubble, predominantly silt with local Qz rubble and LST clasts toward lCN, where OX also becomes calcareous.																		
			27.00	30.50	3.50	OX	LST		Medium grey to orange brown intense OX LST rubble and core with OX zones of clay to grit, OX generally calcareous. Qz rubble locally through interval, and 7 cm Qz VN in OX toward lCN. Gradational contacts.																		
			30.50	34.44	3.94	Qz	OX		White Qz as rubble to core < 15 cm long with light orange staining on FX and red brown Ox as ~ 15 % of interval. Non-calcareous.																		
			34.44	37.24	2.80	OX			Orange brown to red brown clay to grit, non calcareous except near intense OX LST rubble at uCN. Local Qz rubble.																		
37.24	52.73	15.49				LST	OX		Light grey and light to medium brown intense OX, variably DOL LST. Strongly calcareous core to silt. LST locally cBX by thin dark grey seams. Generally too OX to see LST structures. Local Qz in patches and zones. Local intense OX/SID clay to rubble.					ms		i	ms										
			41.89	42.90	1.01	Qz	OX		White Qz with medium brown calcareous silt to rubble.																		
			46.43	48.16	1.73	OX			Orange brown to black intense SID and OX zone. Non-calcareous after uCN, silt to rubble.								i										

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								PHOTO
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
52.73	71.22	18.49				OX			Light buff to black, generally orange brown clay to rubble, intense OX and local intense SID, locally calcareous.								s										
			52.73	54.90	2.17	OX			Orange brown locally light buff clay to rubble, decreasingly calcareous down interval. Predominantly silt. Gradational lCN.																		
			54.90	57.30	2.40	OX	SID		Orange brown to black silt to SID core, predominantly rubble, non-calcareous.								i										
			57.30	62.38	5.08	OX			Orange brown to red brown clay to SID core, predominantly grit. Moderate strong SID, non-calcareous.								ms										
			62.38	71.22	8.84	OX	LST		Light orange brown to red brown variably calcareous intense to strong OX LST, locally intense SID. Very gradational between OX LST and OX. Clay to core, predominantly rubble. Gradational lCN into LST.								ms										
71.22	76.02	4.80				LST	OX		Light to medium grey intense DOL LST, sBX by DOL with moderate to intense OX on FX and through intervals.					i		s										
76.02	87.78	11.76				DOL			FG to MG DOL, locally moderate to intense OX and SID, silt to OX core, and local trace Qz. FG to MG Py disseminated in trace amounts.							s	ms			t							
									87.78 m: E.O.H. - Hole ended because target zone passed.																			

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-130

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
0.00	3.96	3.96	LST		0.84	21	I078116	101					
3.96	5.49	1.53	OX		0.35	23	I078117	101					
5.49	7.01	1.52	OX		0.18	12	I078118	101					
7.01	8.53	1.52	OX		0.33	22	I078119	101					
8.53	10.06	1.53	OX		0.19	12	I078120	101					
11.58	13.11	1.53	OX		0.16	10	I078121	101					
13.11	14.63	1.52	OX		0.29	19	I078122	101					
14.63	17.15	2.52	OX		2.35	93	I078123	101					
17.15	19.20	2.05	OX		1.67	81	I078124	101					
-	-	-	-	-	-	-	I078125	101					Blank HQ
19.20	20.73	1.53	OX		0.88	58	I078126	101					
20.73	22.25	1.52	OX		1.50	99	I078127	101					
22.25	23.77	1.52	OX		0.64	42	I078128	102					
23.77	25.30	1.53	OX		1.22	80	I078129	102					
25.30	26.82	1.52	OX		1.18	78	I078130	102					
26.82	28.35	1.53	OX		1.33	87	I078131	102					
28.35	29.87	1.52	OX		0.90	59	I078132	102					
29.87	31.39	1.52	OX		1.40	92	I078133	102					
-	-	-	-	-	-	-	I078134	102					Blank HQ
31.39	32.92	1.53	OX		0.95	62	I078135	102					
32.92	34.44	1.52	OX		0.13	9	I078136	102					
34.44	35.97	1.53	OX		0.75	49	I078137	102					
35.97	39.01	3.04	OX		2.74	90	I078138	102					
35.97	39.01	3.04	OX		2.74	90	I078139	102					Duplicate
39.01	40.54	1.53	LST	OX	1.37	90	I078140	102					
40.54	42.06	1.52	LST	OX	0.89	59	I078141	102					
42.06	43.59	1.53	LST	OX	0.90	59	I078142	102					
43.59	45.11	1.52	LST	OX	1.45	95	I078143	102					
45.11	46.63	1.52	LST	OX	0.92	61	I078144	102					
-	-	-	-	-	-	-	I078145	102					Standard ROS-3
46.63	48.16	1.53	LST	OX	0.75	49	I078146	102					
48.16	51.21	3.05	LST	OX	2.39	78	I078147	102					

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
51.21	54.25	3.04	LST	OX	2.35	77	I078148	102					
54.25	57.30	3.05	OX		2.66	87	I078149	102					
57.30	58.80	1.50	OX		0.88	59	I078150	102					
58.80	60.35	1.55	OX		1.13	73	I078151	102					
-	-	-	-	-	-	-	I078152	102					Blank HQ
60.35	61.87	1.52	OX		0.83	55	I078153	102					
61.87	64.92	3.05	OX		2.73	90	I078154	102					
64.92	67.97	3.05	OX		2.71	89	I078155	102					
67.97	69.49	1.52	OX		1.31	86	I078156	102					
69.49	71.22	1.73	OX		1.73	100	I078157	102					
-	-	-	-	-	-	-	I078158	102					Standard ROS-2
71.22	74.07	2.85	LST	DOL	2.58	91	I078159	102					
74.07	77.11	3.04	LST	DOL	2.87	94	I078160	102					
77.11	80.16	3.05	DOL	OX	2.71	89	I078161	102					
80.16	83.21	3.05	DOL	OX	2.88	94	I078162	102					
83.21	86.26	3.05	DOL	OX	2.95	97	I078163	102					
86.26	87.78	1.52	DOL	OX	1.52	100	I078164	103					

GEOTECHNICAL LOG

HOLE: Rau-10-130

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
0.00	3.96	3.96	0.84	21	0.00	0	vw	hw	n/a	
3.96	5.49	1.53	0.35	23	0.00	0	vw	hw	n/a	
5.49	7.01	1.52	0.18	12	0.00	0	vw	hw	n/a	
7.01	8.53	1.52	0.33	22	0.00	0	vw	hw	n/a	
8.53	10.06	1.53	0.19	12	0.00	0	vw	hw	n/a	
10.06	11.58	1.52	0.00	0	0.00	0	vw	hw	n/a	
11.58	13.11	1.53	0.16	10	0.12	8	vw	hw	n/a	
13.11	14.63	1.52	0.29	19	0.00	0	ew	hw	7.5yr4/6	
14.63	16.15	1.52	1.40	92	0.00	0	ew	hw	7.5yr4/6	
16.15	17.68	1.53	1.38	90	0.00	0	ew	hw	7.5yr4/6	
17.68	19.20	1.52	1.20	79	0.00	0	w	w	n/a	
19.20	20.73	1.53	0.88	58	0.00	0	ew	ew	n/a	
20.73	22.25	1.52	1.50	99	0.00	0	ew	ew	7.5yr4/6	
22.25	23.77	1.52	0.64	42	0.00	0	ew	ew	5yr3/3	
23.77	25.30	1.53	1.22	80	0.00	0	ew	ew	7.5yr4/6	
25.30	26.82	1.52	1.18	78	0.00	0	ew	ew	7.5yr5/6	
26.82	28.35	1.53	1.33	87	0.00	0	vw	vw	7.5yr4/6	
28.35	29.87	1.52	0.90	59	0.00	0	vw	vw	7.5yr4/6	
29.87	31.39	1.52	1.40	92	0.00	0	vw	vw	7.5yr5/6	
31.39	32.92	1.53	0.95	62	0.23	15	w	w	n/a	
32.92	34.44	1.52	0.13	9	0.00	0	ew	ew	7.5yr4/6	
34.44	35.97	1.53	0.75	49	0.00	0	ew	ew	7.5yr5/6	
35.97	37.49	1.52	1.38	91	0.13	9	ew	ew	7.5yr4/6	
37.49	39.01	1.52	1.36	89	0.41	27	vw	ew	7.5yr4/4	
39.01	40.54	1.53	1.37	90	0.38	25	vw	ew	7.5yr4/6	
40.54	42.06	1.52	0.89	59	0.22	14	vw	ew	7.5yr4/6	
42.06	43.59	1.53	0.90	59	0.22	14	vw	ew	n/a	
43.59	45.11	1.52	1.45	95	0.62	41	vw	ew	10yr4/4	
45.11	46.63	1.52	0.92	61	0.24	16	ew	ew	7.5yr5/4	
46.63	48.16	1.53	0.75	49	0.00	0	ew	ew	7.5yr3/3	
48.16	49.68	1.52	1.16	76	0.00	0	ew	ew	2.5yr6/4	
49.68	51.21	1.53	1.23	80	0.27	18	ew	ew	7.5yr4/6	
51.21	52.73	1.52	1.14	75	0.19	13	ew	hw	7.5yr5/6	
52.73	54.25	1.52	1.21	80	0.00	0	ew	hw	10yr4/6	
54.25	55.78	1.53	1.53	100	0.00	0	ew	hw	7.5yr3/2	
55.78	57.30	1.52	1.13	74	0.00	0	ew	hw	7.5yr3/2	
57.30	58.83	1.53	0.88	58	0.00	0	ew	hw	7.5yr4/6	
58.83	60.35	1.52	1.13	74	0.00	0	ew	hw	7.5yr5/6	
60.35	61.87	1.52	0.83	55	0.00	0	ew	hw	7.5yr4/6	
61.87	63.40	1.53	1.46	95	0.00	0	ew	hw	2.5yr4/3	
63.40	64.92	1.52	1.27	84	0.00	0	ew	hw	7.5yr4/6	
64.92	66.45	1.53	1.43	93	0.00	0	vw	hw	5yr4/3	
66.45	67.97	1.52	1.28	84	0.00	0	vw	hw	7.5yr4/3	
67.97	69.49	1.52	1.31	86	0.00	0	vw	hw	5yr3/4	
69.49	71.02	1.53	1.53	100	0.00	0	vw	hw	7.5yr5/8	
71.02	72.54	1.52	1.38	91	0.00	0	vw	hw	n/a	
72.54	74.07	1.53	1.41	92	0.58	38	ms	sw	n/a	
74.07	75.59	1.52	1.46	96	0.82	54	w	hw	n/a	
75.59	77.11	1.52	1.41	93	0.91	60	ms	sw	n/a	
77.11	78.64	1.53	1.53	100	0.60	39	w	hw	n/a	
78.64	80.16	1.52	1.18	78	0.00	0	vw	hw	7.5yr2.5/2	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
80.16	81.69	1.53	1.53	100	1.35	88	ms	sw	n/a	
81.69	83.21	1.52	1.35	89	1.07	70	ms	sw	n/a	
83.21	84.73	1.52	1.48	97	0.66	43	ms	sw	n/a	
84.73	86.26	1.53	1.47	96	1.04	68	ms	sw	n/a	
86.26	87.78	1.52	1.52	100	0.79	52	w	hw	n/a	E.O.H.

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-130

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	LST		n/a	
2.00	LST		3.34	
3.00	LST		3.12	
4.00	OX		0.89	
5.00	OX		3.15	
6.00	OX		0.00	
7.00	OX		n/a	
8.00	OX		5.42	
9.00	OX		0.00	
10.00	OX		1.27	
11.00	OX		n/a	
12.00	OX		n/a	
13.00	OX		n/a	
14.00	OX		n/a	
15.00	OX		2.60	
16.00	OX		2.16	
17.00	OX		3.93	
18.00	OX		4.73	
19.00	OX		2.53	
20.00	OX		3.56	
21.00	OX		7.19	
22.00	OX		1.47	
23.00	OX		3.42	
24.00	OX		0.00	
25.00	OX		2.40	
26.00	OX		2.28	
27.00	OX		2.30	
28.00	OX		4.63	
29.00	OX		1.26	
30.00	OX		7.49	
31.00	OX		1.68	
32.00	OX		8.95	
33.00	OX		n/a	
34.00	OX		n/a	
35.00	OX		6.73	
36.00	OX		1.94	
37.00	OX		6.13	
38.00	LST	OX	2.45	
39.00	LST	OX	5.49	
40.00	LST	OX	8.93	
41.00	LST	OX	2.25	
42.00	LST	OX	1.26	
43.00	LST	OX	0.00	
44.00	LST	OX	3.56	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	LST	OX	2.52	
46.00	LST	OX	5.44	
47.00	LST	OX	1.99	
48.00	LST	OX	0.00	
49.00	LST	OX	5.02	
50.00	LST	OX	2.01	
51.00	LST	OX	10.30	
52.00	LST	OX	11.10	
53.00	OX		3.64	
54.00	OX		6.98	
55.00	OX		4.53	
56.00	OX		6.13	
57.00	OX		0.00	
58.00	OX		13.60	
59.00	OX		7.94	
60.00	OX		12.50	
61.00	OX		3.29	
62.00	OX		9.52	
63.00	OX		5.81	
64.00	OX		4.73	
65.00	OX		3.19	
66.00	OX		5.05	
67.00	OX		2.63	
68.00	OX		9.72	
69.00	OX		5.61	
70.00	OX		3.19	
71.00	OX		15.60	
72.00	LST	DOL	0.31	
73.00	LST	DOL	2.70	
74.00	LST	DOL	0.00	
75.00	LST	DOL	4.18	
76.00	LST	DOL	2.85	
77.00	DOL		1.78	
78.00	DOL		2.48	
79.00	DOL		5.56	
80.00	DOL		7.49	
81.00	DOL		5.61	
82.00	DOL		0.87	
83.00	DOL		3.89	
84.00	DOL		1.71	
85.00	DOL		3.99	
86.00	DOL		1.22	
87.00	DOL		3.41	E.O.H.

BOX LOG

HOLE: Rau-10-130

BOX	FROM (m)	TO (m)
1	0.00	14.00
2	14.00	18.80
3	18.80	24.15
4	24.15	28.81
5	28.81	34.00
6	34.00	38.87
7	38.87	43.14
8	43.14	47.26
9	47.26	51.95
10	51.95	56.92
11	56.92	62.00
12	62.00	62.58
13	62.58	69.40
14	69.40	72.75
15	72.75	76.61
16	76.61	80.65
17	80.65	84.73
18	84.73	87.78
87.78 - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
10+035NE	10+275NW	528343	7119272	1334	103.63

ZONE: Oxide

SECTION: 10+275NW

HOLE: **Rau-10-131**

CLAIM:

Contractor: Superior

Drill: 2

Core size: HQ

Casing depth: 0 m out

Drilling dates: October 2 - 4, 2010

Geology logged by: K. Wynne

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-60.0	compass	88.39	228	-60.2	
42.67	230	-59.3		103.60	228	-60.3	
57.91	229	-59.6					
73.15	228	-59.9					

TARGET: Oxide zone

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	12.19	12.19	LST	Foliated, with moderate strong MBL and fair OX
12.19	13.69	1.50	MBL	
13.69	21.39	7.70	LST	Strong MBL and fair DOL. cBX
21.39	40.60	19.21	OX	
40.60	59.44	18.84	DOL	with ANK and intense OX
59.44	66.04	6.60	LST	Intense DOL
66.04	101.02	34.98	DOL	with ANK and weak OX. Weak Py locally intense
101.02	103.63	2.61	LST	Intense DOL sBX, local strong Py
103.63	E.O.H.			

SAMPLES

Numbers: I078165-I078205

Total: 41

Batch: 103, 104

Date Sent: October 8, 2010

Certificate: VA10148573, VA10148574

COMMENTS

The hole was ended because it was passed the target horizon.

GEOLOGY LOG

HOLE: Rau-10-131

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	12.19	12.19				LST	MBL		Medium grey, weak to intense MBL LST, foliated, with crinoid fossils. Very broken with light brown to light orange brown OX on FX, coating rubble, as patches of clay, and through core. Gradational lCN.							f		MBL	ms								
12.19	13.69	1.50				MBL			White to orange brown MBL with orange brown stained colour following FO and in irregular patches.																		
13.69	21.39	7.70				LST	MBL	cBX	Medium to light grey and light beige strong MBL LST with corroded appearance and intense cBX by dark grey seams. Locally oxidized light to dark brown. Locally less calcareous due to DOL.					f		w		MBL	s								
21.39	40.60	19.21				OX			Orange brown and red brown to black, OX and SID clay to core, predominantly grit. Local LST < 10 cm long, with rest of OX interval non-calcareous.								s									
			21.39	22.66	1.27	OX			Bright orange brown clay to silt, non-calcareous, with LST fragment with irregular contacts.																	
			22.66	40.60	17.94	OX	SID		Orange brown to red brown and black intense to strong SID and intense OX. Clay to core, predominantly grit.								i									
			27.38	27.49	0.11	OX			Blue grey clay to grit with Qz rubble ~ 5% of interval.																	
			39.34	40.60	1.26	OX			Light red brown clay to rubble with dark red brown to black SID rubble locally, grit overall. Non-calcareous.								s									
40.60	59.44	18.84				DOL	OX		FG to MG light buff to light grey DOL/ANK with intense OX on FX and through intervals of core. Trace to weak OX cubic MX (Py), MG to FG, disseminated and in layers. uCN very gradational with OX sections throughout. OX variably calcareous.							s				t							
			54.25	55.80	1.55	OX			Orange brown clay to core, predominantly core, variably calcareous, gradational on CN into OX DOL.																	
59.44	66.04	6.60				LST	DOL		Medium to light grey intense DOL sBX LST with grey thin seams cBX DOL. Local intense OX on FX and though core for < 25 cm, and local alteration to dark blue grey in broken interval.					i		ms											

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			60.35	62.64	2.29	LST	OX		Broken interval of LST, starts as red brown and brown intense OX, becoming more dark blue grey down interval. Weakly calcareous.							m										
66.04	101.02	34.98				DOL			FG to CG light grey to orange buff DOL/ANK, with ANK and OX decreasing down interval. Weak OX and fresh Py, FG to CG, locally semi-massive.						w	w				w							
			66.04	78.55	12.51	DOL	OX		Light grey to orange buff DOL/ANK, FG to CG, with local intense OX on FX and through core over < 30 cm. Trace FG to MG Py, locally OX, in irregular layers, disseminated, and commonly associated with intense OX in DOL. uCN with DOL LST very gradational.						w	m				t							
			78.55	97.54	18.99	DOL			Light grey FG to CG DOL, with bright orange alteration on FX and in seams. FG to CG Py in trace to intense amounts, disseminated and in layers, dull brassy. Trace Dull silver grey As.							t				w	t						
			90.80	93.04	2.24	DOL	MX		Two distinct zones < 1 m wide of semi-massive FG to CG brassy Py in light grey DOL.											i							
			97.54	101.02	3.48	DOL	OX		Light grey to orange buff DOL/ANK, FG to CG, with local intense OX on FX and through core <5 cm long. Local intense Py, semi-massive, dies out to weak; moderate over all.						w	f				m							
			97.65	98.40	0.75	MX			semi-massive Py zone with small DOL patches. Weak OX. FG to MG.											i							
101.02	103.63	2.61				LST	DOL		Intense DOL LST, medium grey with DOL sBX and zone of DOL < 1 m with strong FG to MG Py.					i						f							
									103.63 m: E.O.H.- Hole ended because target zone was passed.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-131

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
18.82	21.39	2.57	LST		1.20	47	I078165	103					
21.39	22.86	1.47	OX		1.29	88	I078166	103					
22.86	24.38	1.52	OX		0.80	53	I078167	103					
24.38	27.43	3.05	OX		2.41	79	I078168	103					
27.43	28.95	1.52	OX		1.50	99	I078169	103					
-	-	-	-	-	-	-	I078170	103					Blank HQ
28.95	30.48	1.53	OX		0.85	56	I078171	103					
30.48	32.00	1.52	OX		1.30	86	I078172	103					
32.00	33.53	1.53	OX		1.04	68	I078173	103					
33.53	36.58	3.05	OX		3.04	100	I078174	103					
36.58	38.00	1.42	OX		0.50	35	I078175	103					
-	-	-	-	-	-	-	I078176	103					Standard ROS-1
38.00	40.60	2.60	OX		2.37	91	I078177	103					
40.60	42.67	2.07	DOL	OX	1.89	91	I078178	103					
42.67	45.72	3.05	DOL	OX	2.91	95	I078179	103					
45.72	48.77	3.05	DOL	OX	3.01	99	I078180	103					
-	-	-	-	-	-	-	I078181	103					Blank HQ
48.77	51.82	3.05	DOL	OX	2.68	88	I078182	103					
51.82	54.86	3.04	DOL	OX	2.01	66	I078183	103					
54.86	57.91	3.05	DOL	OX	2.96	97	I078184	103					
57.91	59.44	1.53	DOL	OX	1.43	93	I078185	103					
-	-	-	-	-	-	-	I078186	103					Standard ROS-4
59.44	62.48	3.04	LST	DOL	2.35	77	I078187	103					
62.48	65.53	3.05	LST	DOL	2.89	95	I078188	103					
65.53	66.04	0.51	LST	DOL	0.45	88	I078189	103					
66.04	68.58	2.54	DOL		2.55	100	I078190	103					
66.04	68.58	2.54	DOL		2.55	100	I078191	103					Duplicate
68.58	71.63	3.05	DOL		2.92	96	I078192	103					
71.63	74.68	3.05	DOL		2.74	90	I078193	103					
74.68	77.72	3.04	DOL		3.00	99	I078194	103					
77.72	80.77	3.05	DOL		2.98	98	I078195	103					
80.77	83.82	3.05	DOL		2.99	98	I078196	103					

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
83.82	86.87	3.05	DOL		2.78	91	I078197	103					
86.87	89.92	3.05	DOL		3.01	99	I078198	103					
89.92	92.96	3.04	DOL		2.98	98	I078199	103					
92.96	94.49	1.53	DOL		1.53	100	I078200	104					
94.49	97.54	3.05	DOL		2.97	97	I078201	104					
97.54	99.06	1.52	DOL		1.52	100	I078202	104					
99.06	102.11	3.05	LST	DOL	2.98	98	I078203	104					
-	-	-	-	-	-	-	I078204	104					Blank HQ
102.11	103.63	1.52	LST	DOL	1.52	100	I078205	104					

GEOTECHNICAL LOG

HOLE: Rau-10-131

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
0.00	1.52	1.52	0.37	24	0.00	0	vw	hw		
1.52	3.05	1.53	0.34	22	0.00	0	vw	hw		
3.05	4.57	1.52	0.65	43	0.00	0	vw	hw		
4.57	6.10	1.53	0.85	56	0.22	14	vw	hw		
6.10	7.62	1.52	0.75	49	0.31	20	vw	hw		
7.62	9.14	1.52	0.44	29	0.00	0	vw	hw		
9.14	10.67	1.53	0.14	9	0.00	0	vw	hw		
10.67	12.19	1.52	0.64	42	0.14	9	vw	hw		
12.19	13.72	1.53	1.01	66	0.23	15	vw	hw		
13.72	15.24	1.52	0.19	13	0.00	0	vw	hw		
15.24	16.76	1.52	0.32	21	0.00	0	vw	hw		
16.76	18.29	1.53	1.03	67	0.32	21	vw	hw		
18.29	19.81	1.52	0.68	45	0.29	19	ew	hw		
19.81	21.34	1.53	1.01	66	0.32	21	ew	hw		
21.34	22.86	1.52	1.50	99	0.00	0	ew	hw	7.5yr4/6	
22.86	24.38	1.52	0.80	53	0.00	0	ew	hw	5yr4/4	
24.38	25.91	1.53	1.06	69	0.00	0	ew	hw	5yr3/4	
25.91	27.43	1.52	1.35	89	0.00	0	ew	hw	5yr5/8	
27.43	28.95	1.52	1.50	99	0.00	0	ew	hw	5yr4/3	
28.95	30.48	1.53	0.85	56	0.00	0	ew	hw	5yr3/3	
30.48	32.00	1.52	1.30	86	0.00	0	ew	hw	7.5yr5/6	
32.00	33.53	1.53	1.04	68	0.00	0	ew	hw	7.5yr5/6	
33.53	35.05	1.52	1.52	100	0.00	0	ew	hw	5yr3/4	
35.05	36.58	1.53	1.52	99	0.00	0	ew	hw	5yr4/6	
36.58	38.10	1.52	0.50	33	0.00	0	ew	hw	5yr4/4	
38.10	39.62	1.52	1.52	100	0.00	0	ew	hw	7.5yr4/4	
39.62	41.15	1.53	1.37	90	0.00	0	ew	hw	5yr4/4	
41.15	42.67	1.52	1.47	97	0.94	62	ms	hw	n/a	
42.67	44.20	1.53	1.47	96	1.12	73	ms	mw	n/a	
44.20	45.72	1.52	1.44	95	0.85	56	w	mw	7.5yr4/4	
45.72	47.24	1.52	1.49	98	0.92	61	w	mw	n/a	
47.24	48.77	1.53	1.52	99	0.70	46	w	mw	n/a	
48.77	50.29	1.52	1.31	86	0.97	64	m.s	mw		
50.29	51.82	1.53	1.37	90	1.17	76	ms	mw		
51.82	53.34	1.52	0.70	46	0.40	26	ms	mw		
53.34	54.86	1.52	1.31	86	0.20	13	w	hw		
54.86	56.39	1.53	1.44	94	0.29	19	w	hw		
56.39	57.91	1.52	1.52	100	0.91	60	w	hw		
57.91	59.44	1.53	1.43	93	1.08	71	w	hw		
59.44	60.96	1.52	1.52	100	1.04	68	w	hw		
60.96	62.48	1.52	0.85	56	0.25	16	w	hw		
62.48	64.00	1.52	1.39	91	0.90	59	ms	sw		
64.00	65.53	1.53	1.50	98	0.92	60	ms	sw		
65.53	67.06	1.53	1.47	96	0.70	46	ms	w		
67.06	68.58	1.52	1.42	93	0.86	57	ms	w		
68.58	70.10	1.52	1.52	100	0.62	41	w	sw		
70.10	71.63	1.53	1.40	92	0.46	30	w	sw		
71.63	73.15	1.52	1.42	93	0.85	56	w	w		
73.15	74.68	1.53	1.32	86	0.85	56	w	hw		
74.68	76.20	1.52	1.52	100	0.59	39	w	hw		
76.20	77.72	1.52	1.48	97	1.02	67	ms	sw		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
77.72	79.25	1.53	1.46	95	1.10	72	ms	sw		
79.25	80.77	1.52	1.52	100	1.03	68	w	sw		
80.77	82.30	1.53	1.47	96	0.98	64	ms	fr		
82.30	83.82	1.52	1.52	100	1.15	76	ms	fr		
83.82	85.34	1.52	1.52	100	0.53	35	w	sw		
85.34	86.87	1.53	1.46	95	0.61	40	ms	fr		
86.87	88.39	1.52	1.52	100	1.20	79	ms	fr		
88.39	89.92	1.53	1.49	97	0.01	1	ms	fr		
89.92	91.44	1.52	1.52	100	1.38	91	ms	fr		
91.44	92.96	1.52	1.46	96	1.28	84	ms	fr		
92.96	94.49	1.53	1.53	100	0.96	63	ms	fr		
94.49	96.01	1.52	1.50	99	0.96	63	ms	sw		
96.01	97.54	1.53	1.47	96	1.29	84	ms	sw		
97.54	99.06	1.52	1.52	100	1.03	68	ms	sw		
99.06	100.58	1.52	1.50	99	1.13	74	ms	sw		
100.58	102.11	1.53	1.48	97	1.15	75	ms	sw		
102.11	103.63	1.52	1.52	100	1.18	78	ms	sw		E.O.H.

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-131

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	LST	MBL	1.44	
2.00	LST	MBL	0.00	
3.00	LST	MBL	3.29	
4.00	LST	MBL	0.28	
5.00	LST	MBL	0.00	
6.00	LST	MBL	1.34	
7.00	LST	MBL	0.00	
8.00	LST	MBL	0.00	
9.00	LST	MBL	na	
10.00	LST	MBL	na	
11.00	LST	MBL	0.00	
12.00	LST	MBL	1.42	
13.00	MBL		0.00	
14.00	LST	MBL	na	
15.00	LST	MBL	na	
16.00	LST	MBL	1.10	
17.00	LST	MBL	2.97	
18.00	LST	MBL	1.62	
19.00	LST	MBL	0.42	
20.00	LST	MBL	10.90	
21.00	LST	MBL	5.46	
22.00	OX		9.32	
23.00	OX		2.73	
24.00	OX		3.19	
25.00	OX		5.10	
26.00	OX		3.42	
27.00	OX		4.78	
28.00	OX		2.62	
29.00	OX		3.88	
30.00	OX		7.05	
31.00	OX		2.95	
32.00	OX		1.81	
33.00	OX		3.56	
34.00	OX		3.25	
35.00	OX		4.60	
36.00	OX		6.06	
37.00	OX		10.05	
38.00	OX		na	
39.00	OX		4.62	
40.00	OX		2.35	
41.00	DOL		12.20	
42.00	DOL		7.03	
43.00	DOL		1.56	
44.00	DOL		2.45	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	DOL		2.03	
46.00	DOL		9.52	
47.00	DOL		8.90	
48.00	DOL		2.77	
49.00	DOL		9.71	
50.00	DOL		4.28	
51.00	DOL		4.43	
52.00	DOL		3.51	
53.00	DOL		0.00	
54.00	DOL		2.62	
55.00	DOL		3.81	
56.00	DOL		0.00	
57.00	DOL		4.03	
58.00	DOL		1.61	
59.00	DOL		3.99	
60.00	LST	DOL	3.12	
61.00	LST	DOL	1.32	
62.00	LST	DOL	7.12	
63.00	LST	DOL	0.00	
64.00	LST	DOL	0.18	
65.00	LST	DOL	4.67	
66.00	LST	DOL	7.20	
67.00	DOL		1.81	
68.00	DOL		11.30	
69.00	DOL		8.01	
70.00	DOL		8.24	
71.00	DOL		4.67	
72.00	DOL		2.48	
73.00	DOL		4.95	
74.00	DOL		4.65	
75.00	DOL		3.09	
76.00	DOL		6.82	
77.00	DOL		7.99	
78.00	DOL		3.25	
79.00	DOL		2.90	
80.00	DOL		0.20	
81.00	DOL		2.20	
82.00	DOL		6.11	
83.00	DOL		1.10	
84.00	DOL		6.55	
85.00	DOL		3.47	
86.00	DOL		7.42	
87.00	DOL		0.01	
88.00	DOL		6.48	
89.00	DOL		8.68	
90.00	DOL		7.62	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	DOL		1.41	
92.00	DOL		4.21	
93.00	DOL		7.78	
94.00	DOL		3.14	
95.00	DOL		3.04	
96.00	DOL		2.40	
97.00	DOL		4.04	
98.00	DOL		1.17	
99.00	DOL		4.08	
100.00	DOL		9.29	
101.00	DOL		4.73	
102.00	LST	DOL	0.00	
103.00	LST	DOL	4.26	E.O.H.

BOX LOG

HOLE: Rau-10-131

BOX	FROM (m)	TO (m)
1	0.00	6.56
2	6.56	12.88
3	12.88	18.82
4	18.82	24.79
5	24.79	29.45
6	29.45	34.63
7	34.63	39.30
8	39.30	43.35
9	43.35	47.37
10	47.37	51.82
11	51.82	56.84
12	56.84	60.81
13	60.81	65.53
14	65.53	69.78
15	69.78	73.65
16	73.65	77.72
17	77.72	82.10
18	82.10	86.00
19	86.00	90.18
20	90.18	94.49
21	94.49	98.57
22	98.57	102.77
23	102.77	103.63
103.63 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
10+046NE	10+250NW	528367	7119259	1326	118.26

ZONE: Oxide

SECTION: 10+250NW

HOLE: **Rau-10-132**

CLAIM:

Contractor: Superior

Drill: 3

Core size: HQ

Casing depth: 0 m out

Drilling dates: October 4-6 2010

Geology logged by: K. Wynne

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-60.0	compass	72.54	229	-59.4	Ranger
11.58	228	-58.6	Ranger	87.78	228	-59.5	Ranger
26.82	228	-58.9	Ranger	103.02	228	-59.7	Ranger
42.06	228	-58.9	Ranger	118.25	228	-60.0	Ranger

TARGET: Oxide Zone

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	11.58	11.58	LST	Foliated with intense MBL, weak OX.
11.58	14.95	3.37	MBL	Local intense OX zones.
14.95	25.85	10.90	LST	Moderate strong OX and DOL sBX.
25.85	62.51	36.66	OX	
62.51	72.04	9.53	LST	Intense OX and DOL.
72.04	114.15	42.11	DOL	with ANK and moderate OX, weak Py, trace Bs
114.15	118.26	4.11	LST	Strong SIL
118.26	E.O.H.			

SAMPLES

Numbers: I078206-I078253

Total: 48

Batch: 104, 105

Date Sent: October 8 2010

Certificate: VA10148574, VA10148575

COMMENTS

The hole was ended because the target horizon had been passed. Hole was lined with PVC

GEOLOGY LOG

HOLE: Rau-10-132

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	11.58	11.58				LST	MBL		Light grey to light orange intense MBL LST, becoming increasingly OX toward lCN. Very broken, with FO defined by MBL layers. Local trace MG OX MX, cubic and disseminated. OX as clay to rubble on FX and orange staining through core.	FO	70					w		MBL	i								
11.58	14.95	3.37				MBL	OX		White to light orange MBL with medium to dark grey layers. Locally intense OX grit, light orange, toward lCN.							f											
14.95	25.85	10.90				LST	OX		Medium grey to light brown OX LST, locally intense OX, moderate strong overall. OX light to medium brown, clay to OX core, predominantly rubble. Un-oxidized sections intense cBX by grey seams and moderate strong sBX by DOL. OX is calcareous.					m		ms												
			24.00	25.85	1.85	LST	OX		Intense OX lCN to LST. Predominantly solid intense OX LST core, calcareous.							i											
25.85	62.51	36.66				OX			Orange brown to red brown clay to OX core, predominantly rubble generally non-calcareous.																		
			25.85	30.60	4.75	OX			Orange brown to red brown clay to rubble, predominantly silt. Non-calcareous.																		
			30.60	32.65	2.05	OX	SID		Red brown SID silt to core, predominantly rubble. Non-calcareous.								i										
			32.65	34.44	1.79	OX			Light orange to yellow core to rubble as upper anc lower contacts to blue grey Qz rich zone. Irregular contacts.																		
			32.97	34.07	1.10	CLY	Qz		Blue grey clay to core, predominantly clay, with FG Qz rubble within as ~ 30% of interval. Solid blue grey core piece within is less Qz rich.																		
			34.44	43.59	9.15	OX	SID		Orange brown and red brown clay to core, predominantly rubble. Non-calcareous and variably SID.								s										
			43.59	46.86	3.27	OX			Orange brown clay to rubble, predominantly silt. Non-calcareous. Local SID rubble.								t										
			46.86	59.15	12.29	OX	SID		Orange brown coating on dark red brown to black SID core, silt to core, predominantly rubble. Non-calcareous.								i										
			59.15	62.51	3.36	OX	LST		Brown to orange and red brown clay to OX core, predominantly core, calcareous, with no visible LST textures due to OX.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
62.51	72.04	9.53				LST	OX		Light grey to dark orange brown intense OX and intense DOL LST. DOL locally FG to MG through intervals < 1 m. OX on FX and pervasive through core, orange/red brown to dark brown, clay to core, predominantly core. Trace brassy to OX Py, disseminated.					i		i				t							
72.04	114.15	42.11				DOL			Orange to light grey DOL, decreasing in OX/ANK down interval with local DOL LST and thin VOL seams. Py bright brassy FG to CG in layers and disseminated. Trace to intense Py, weak overall. Trace Bismuthinite locally.						f	m				w			Bs	t			
			72.04	84.22	12.18	DOL	OX		Light orange and pink DOL/ANK with HEM, and OX on FX and through zones < 1 m long of clay to rubble. lCN very gradational, and marks last OX clay to rubble interval. Trace FG Py, locally OX, bright brassy otherwise, disseminated. DOL locally cBX by SID VT.						m	s	t			t							
			73.00	73.98	0.98	OX	DOL		Orange brown OX zone, weakly calcareous silt to core, generally OX core. Gradational CN.																		
			82.00	82.50	0.50	OX	DOL		Orange brown clay to grit, weakly calcareous.																		
			84.22	111.83	27.61	DOL			Light orange/pink to light grey DOL with local ANK interzones, FG to CG. OX on FX and intense HEM through <5 cm. Locally intense Py, fair overall, FG to CG, in irregular layers and zones, and disseminated. Trace Bs locally. Zones of DOL LST < 25 cm long.						f	f		HEM	w	f			Bs	t			
			110.04	110.76	0.72	DOL	MX		Bright greenish brass FG to MG Py in semi-massive irregular zones within DOL. ~ 35% of interval is Py. Trace Bs within interval.											i			Bs	t			
			110.93						Start of thin dark grey and beige VOL layers, variably SER. Soft, < 5 cm wide.																		
			111.83	114.15	2.32	DOL	SIL		Light grey moderate SIL DOL, FG to CG, with DOL crystals locally visibly zoned with white and light grey layers. Local intense Py over < 25 cm, FG to CG, Py moderate strong overall.									SIL	m	ms								
114.15	118.26	4.11				LST	SIL		Medium grey LST, sBX by strong DOL and intense to moderate strong SIL. Dark grey, soft, irregular layers through first 1.5 m (VOL/ARG?). DOL LST cBX by dark grey seams. SIL decreases down interval.					s				SIL	s								
									118.26 m: E.O.H. - Hole ended because target zone was passed.																		

SAMPLE LOG

HOLE: Rau-10-132

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
13.11	14.95	1.84	MBL		1.50	82	I078206	104					
14.95	17.68	2.73	LST	OX	1.24	45	I078207	104					
17.68	20.73	3.05	LST	OX	2.09	69	I078208	104					
17.68	20.73	3.05	LST	OX	2.09	69	I078209	104					Duplicate
20.73	23.77	3.04	LST	OX	1.65	54	I078210	104					
23.77	25.85	2.08	LST	OX	1.67	80	I078211	104					
25.85	28.35	2.50	OX		2.14	86	I078212	104					
28.35	29.87	1.52	OX		1.20	79	I078213	104					
29.87	32.92	3.05	OX		1.45	48	I078214	104					
-	-	-	-	-	-	-	I078215	104					Standard ROS-3
32.92	34.44	1.52	OX		1.30	86	I078216	104					
34.44	37.49	3.05	OX		2.79	91	I078217	104					
-	-	-	-	-	-	-	I078218	104					Blank HQ
37.49	40.54	3.05	OX		2.64	87	I078219	104					
40.54	43.59	3.05	OX		2.20	72	I078220	104					
43.59	46.63	3.04	OX		2.87	94	I078221	104					
46.63	49.68	3.05	OX		2.58	85	I078222	104					
49.68	52.73	3.05	OX		2.95	97	I078223	104					
52.73	55.78	3.05	OX		2.86	94	I078224	104					
55.78	58.83	3.05	OX		3.05	100	I078225	104					
-	-	-	-	-	-	-	I078226	104					Standard ROS-4
58.83	61.87	3.04	OX		2.67	88	I078227	104					
61.87	62.51	0.64	OX		0.63	98	I078228	104					
62.51	64.92	2.41	LST	OX	2.12	88	I078229	104					
64.92	67.97	3.05	LST	OX	2.97	97	I078230	104					
67.97	69.49	1.52	LST	OX	1.42	93	I078231	104					
69.49	72.04	2.55	LST	OX	2.55	100	I078232	104					
72.04	74.07	2.03	DOL		2.02	100	I078233	104					
74.07	77.11	3.04	DOL		2.80	92	I078234	104					
77.11	80.16	3.05	DOL		2.88	94	I078235	104					
80.16	83.21	3.05	DOL		2.95	97	I078236	105					
83.21	86.26	3.05	DOL		2.82	92	I078237	105					

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
86.26	89.31	3.05	DOL		2.98	98	I078238	105					
86.26	89.31	3.05	DOL		2.98	98	I078239	105					Duplicate
89.31	92.35	3.04	DOL		3.00	99	I078240	105					
92.35	95.40	3.05	DOL		2.89	95	I078241	105					
95.40	98.45	3.05	DOL		2.89	95	I078242	105					
-	-	-	-	-	-	-	I078243	105					Standard ROS-3
98.45	101.50	3.05	DOL		2.88	94	I078244	105					
101.50	104.55	3.05	DOL		2.93	96	I078245	105					
104.55	107.59	3.04	DOL		2.97	98	I078246	105					
107.59	110.04	2.45	DOL		2.34	96	I078247	105					
110.04	110.76	0.72	DOL	MX	0.72	100	I078248	105					
-	-	-	-	-	-	-	I078249	105					Blank HQ
110.76	111.83	1.07	DOL		1.01	94	I078250	105					
111.83	114.15	2.32	DOL		2.11	91	I078251	105					
114.15	116.74	2.59	LST		2.44	94	I078252	105					
116.74	118.26	1.52	LST		1.45	95	I078253	105					

GEOTECHNICAL LOG

HOLE: Rau-10-132

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
0.00	3.96	3.96	0.77	19	0.00	0	vw	hw	n/a	
3.96	5.49	1.53	0.47	31	0.00	0	vw	hw	n/a	
5.49	7.01	1.52	0.35	23	0.00	0	vw	hw	n/a	
7.01	8.53	1.52	0.51	34	0.00	0	vw	hw	n/a	
8.53	10.06	1.53	0.85	56	0.31	20	vw	hw	n/a	
10.06	11.58	1.52	0.58	38	0.00	0	vw	hw	n/a	
11.58	13.11	1.53	0.46	30	0.22	14	vw	hw	n/a	
13.11	14.63	1.52	1.21	80	0.57	38	vw	hw	n/a	
14.63	16.15	1.52	0.55	36	0.00	0	vw	mw	n/a	
16.15	17.68	1.53	0.79	52	0.13	8	vw	hw	n/a	
17.68	19.20	1.52	1.39	91	0.00	0	vw	hw	n/a	
19.20	20.73	1.53	0.70	46	0.00	0	vw	hw	n/a	
20.73	22.25	1.52	0.85	56	0.00	0	vw	hw	n/a	
22.25	23.77	1.52	0.80	53	0.28	18	vw	hw	n/a	
23.77	25.30	1.53	1.24	81	0.11	7	vw	hw	10yr4/6	
25.30	26.82	1.52	1.39	91	0.29	19	vw	hw	10yr3/2	
26.82	28.35	1.53	1.36	89	0.00	0	ew	hw	5yr4/6	
28.35	29.87	1.52	1.20	79	0.00	0	ew	hw	7.5yr4/6	
29.87	31.39	1.52	1.17	77	0.00	0	ew	hw	5yr4/4	
31.39	32.92	1.53	1.28	84	0.17	11	ew	hw	5yr3/4	
32.92	34.44	1.52	1.30	86	0.00	0	ew	hw	gley1 2.5/n 2.5y6/4	
34.44	35.97	1.53	1.41	92	0.00	0	ew	hw	5yr3/4	
35.97	37.49	1.52	1.38	91	0.00	0	ew	hw	5yr4/4	
37.49	39.01	1.52	1.15	76	0.00	0	ew	hw	5yr4/4	
39.01	40.54	1.53	1.49	97	0.00	0	ew	hw	7.5yr5/6	
40.54	42.06	1.52	1.10	72	0.00	0	ew	hw	5yr4/3	
42.06	43.59	1.53	1.10	72	0.00	0	ew	hw	5yr4/4	
43.59	45.11	1.52	1.52	100	0.00	0	ew	hw	7.5yr5/8	
45.11	46.63	1.52	1.35	89	0.00	0	ew	hw	5yr4/6	
46.63	48.16	1.53	1.53	100	0.00	0	ew	hw	5yr4/6	
48.16	49.68	1.52	1.05	69	0.00	0	ew	hw	7.5yr4/6	
49.68	51.21	1.53	1.43	93	0.00	0	ew	hw	7.5yr5/6	
51.21	52.73	1.52	1.52	100	0.00	0	ew	hw	7.5yr5/6	
52.73	54.25	1.52	1.36	89	0.00	0	ew	hw	5yr4/4	
54.25	55.78	1.53	1.50	98	0.00	0	ew	hw	5yr4/4	
55.78	57.30	1.52	1.52	100	0.00	0	ew	hw	5yr4/4	
57.30	58.83	1.53	1.53	100	0.00	0	ew	hw	5yr4/4	
58.83	60.35	1.52	1.15	76	0.00	0	ew	hw	7.5yr5/6	
60.35	61.87	1.52	1.52	100	0.00	0	ew	hw	5yr3/2	
61.87	63.40	1.53	1.52	99	0.48	31	vw	hw	2.5yr4/6	
63.40	64.92	1.52	1.40	92	0.55	36	vw	hw	n/a	
64.92	66.45	1.53	1.45	95	0.75	49	vw	hw	n/a	
66.45	67.97	1.52	1.52	100	0.65	43	w	mw	n/a	
67.97	69.49	1.52	1.42	93	0.52	34	w	hw	7.5yr4/6	
69.49	71.02	1.53	1.40	92	0.64	42	w	hw	n/a	
71.02	72.54	1.52	1.38	91	0.32	21	w	mw	7.5yr3/4	
72.54	74.07	1.53	1.45	95	1.22	80	vw	hw	7.5yr5/6	
74.07	75.59	1.52	1.34	88	0.42	28	w	mw	7.5yr4/6	
75.59	77.11	1.52	1.46	96	0.94	62	w	mw	n/a	
77.11	78.64	1.53	1.45	95	0.64	42	w	mw	n/a	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
78.64	80.16	1.52	1.43	94	1.05	69	w	mw	7.5yr3/2	
80.16	81.69	1.53	1.43	93	0.84	55	vw	hw	7.5yr5/8	
81.69	83.21	1.52	1.52	100	0.84	55	vw	hw	7.5yr5/6	
83.21	84.73	1.52	1.46	96	0.85	56	w	hw	7.5yr6/4	
84.73	86.26	1.53	1.36	89	0.74	48	w	mw	n/a	
86.26	87.78	1.52	1.48	97	1.24	82	ms	sw	n/a	
87.78	89.31	1.53	1.50	98	1.12	73	ms	sw	n/a	
89.31	90.83	1.52	1.48	97	1.18	78	ms	sw	n/a	
90.83	92.35	1.52	1.52	100	1.00	66	ms	sw	n/a	
92.35	93.88	1.53	1.37	90	0.95	62	w	mw	n/a	
93.88	95.40	1.52	1.52	100	1.19	78	w	mw	n/a	
95.40	96.93	1.53	1.37	90	0.99	65	ms	mw	n/a	
96.93	98.45	1.52	1.52	100	1.34	88	ms	mw	n/a	
98.45	99.97	1.52	1.52	100	0.86	57	ms	mw	n/a	
99.97	101.50	1.53	1.36	89	1.23	80	ms	mw	n/a	
101.50	103.02	1.52	1.52	100	1.25	82	ms	sw	n/a	
103.02	104.55	1.53	1.41	92	1.22	80	ms	sw	n/a	
104.55	106.07	1.52	1.50	99	0.91	60	ms	sw	n/a	
106.07	107.59	1.52	1.47	97	1.05	69	ms	sw	n/a	
107.59	109.12	1.53	1.46	95	0.55	36	w	sw	n/a	
109.12	110.64	1.52	1.52	100	1.18	78	ms	sw	n/a	
110.64	112.17	1.53	1.52	99	1.30	85	ms	sw	n/a	
112.17	113.69	1.52	1.40	92	1.33	88	ms	sw	n/a	
113.69	115.21	1.52	1.49	98	1.03	68	ms	sw	n/a	
115.21	116.74	1.53	1.44	94	1.15	75	ms	fr	n/a	
116.74	118.26	1.52	1.45	95	0.57	37	ms	sw	n/a	E.O.H.

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-132

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00			n/a	
2.00			n/a	
3.00	LST	MBL	1.14	
4.00	LST	MBL	0.15	
5.00	LST	MBL	1.69	
6.00	LST	MBL	0.16	
7.00	LST	MBL	0.68	
8.00	LST	MBL	2.08	
9.00	LST	MBL	3.32	
10.00	LST	MBL	2.03	
11.00	LST	MBL	2.82	
12.00	MBL		3.57	
13.00	MBL		1.46	
14.00	MBL		0.40	
15.00	LST	OX	1.52	
16.00	LST	OX	2.16	
17.00	LST	OX	5.20	
18.00	LST	OX	2.97	
19.00	LST	OX	2.35	
20.00	LST	OX	2.53	
21.00	LST	OX	0.00	
22.00	LST	OX	1.34	
23.00	LST	OX	0.21	
24.00	LST	OX	n/a	
25.00	LST	OX	4.01	
26.00	OX		3.15	
27.00	OX		2.60	
28.00	OX		1.79	
29.00	OX		3.42	
30.00	OX		5.72	
31.00	OX		3.25	
32.00	OX		3.19	
33.00	OX		2.45	
34.00	OX		7.30	
35.00	OX		2.82	
36.00	OX		7.50	
37.00	OX		7.32	
38.00	OX		2.99	
39.00	OX		1.96	
40.00	OX		3.04	
41.00	OX		2.75	
42.00	OX		5.64	
43.00	OX		1.61	
44.00	OX		1.88	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	OX		4.06	
46.00	OX		5.00	
47.00	OX		6.90	
48.00	OX		4.65	
49.00	OX		3.62	
50.00	OX		1.69	
51.00	OX		4.20	
52.00	OX		3.12	
53.00	OX		7.62	
54.00	OX		1.41	
55.00	OX		2.90	
56.00	OX		5.61	
57.00	OX		3.62	
58.00	OX		4.63	
59.00	OX		5.74	
60.00	OX		1.10	
61.00	OX		2.95	
62.00	OX		0.36	
63.00	LST	OX	3.51	
64.00	LST	OX	6.35	
65.00	LST	OX	6.51	
66.00	LST	OX	8.95	
67.00	LST	OX	4.40	
68.00	LST	OX	0.50	
69.00	LST	OX	1.96	
70.00	LST	OX	1.93	
71.00	LST	OX	1.51	
72.00	LST	OX	2.68	
73.00	DOL		8.55	
74.00	DOL		7.37	
75.00	DOL		1.76	
76.00	DOL		1.14	
77.00	DOL		2.58	
78.00	DOL		0.00	
79.00	DOL		2.55	
80.00	DOL		5.42	
81.00	DOL		5.74	
82.00	DOL		2.33	
83.00	DOL		6.88	
84.00	DOL		0.72	
85.00	DOL		2.63	
86.00	DOL		5.02	
87.00	DOL		0.63	
88.00	DOL		2.82	
89.00	DOL		7.42	
90.00	DOL		2.30	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	DOL		6.80	
92.00	DOL		6.68	
93.00	DOL		4.25	
94.00	DOL		5.30	
95.00	DOL		0.31	
96.00	DOL		5.89	
97.00	DOL		4.75	
98.00	DOL		1.73	
99.00	DOL		1.81	
100.00	DOL		5.42	
101.00	DOL		5.98	
102.00	DOL		3.47	
103.00	DOL		4.45	
104.00	DOL		1.69	
105.00	DOL		6.21	
106.00	DOL		6.41	
107.00	DOL		5.74	
108.00	DOL		0.43	
109.00	DOL		4.43	
110.00	DOL		0.57	
111.00	DOL		2.30	
112.00	DOL		0.08	
113.00	DOL		3.00	
114.00	DOL		3.15	
115.00	LST	SIL	0.85	
116.00	LST	SIL	3.17	
117.00	LST	SIL	0.97	
118.00	LST	SIL	1.37	E.O.H.

BOX LOG

HOLE: Rau-10-132

BOX	FROM (m)	TO (m)
1	0.00	7.95
2	7.95	13.80
3	13.80	19.00
4	19.00	24.10
5	24.10	28.35
6	28.35	32.48
7	32.48	36.52
8	36.52	40.45
9	40.45	44.52
10	44.52	48.00
11	48.00	52.20
12	52.20	55.20
13	55.20	58.59
14	58.59	62.26
15	62.26	66.40
16	66.40	70.51
17	70.51	74.21
18	74.21	78.36
19	78.36	82.45
20	82.45	86.26
21	86.26	90.40
22	90.40	94.46
23	94.46	98.45
24	98.45	102.58
25	102.58	106.63
26	106.63	110.64
27	110.64	114.57
28	114.57	118.26
118.26 m - E.O.H.		

RAU PROPERTY

	Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
ZONE: Tiger	10+350 NW	10+193 NE	528408	7119435	1428	260.60

SECTION: 10+350NW

HOLE: **Rau-10-72**

CLAIM: Rau 98f

Contractor: Superior

Drill: 2

Core size: HQ

Casing depth: 1.52 m out

Drilling dates: May 25 - June 1, 2010

Geology logged by: K.Unger

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	0	-60.0	compass	177.4	233	-61.6	ranger
131.68	233	-61.5	ranger	192.64	232	-60.7	ranger
146.92	233	-61.7	ranger				
162.16	232	-61.6	ranger				

TARGET: Oxide zone and possibly into the lower East Zone.

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	1.35	1.35	OVB	
1.35	107.29	105.94	LST	
107.29	129.03	21.74	VOL	
129.03	178.92	49.89	LST	Marbleized
178.92	187.81	8.89	OX	
187.71	197.52	9.81	LEP	
197.52	216.05	18.53	OX	
216.05	221.28	5.23	VOL	
221.28	234.72	13.44	LEP	
234.72	235.05	0.33	SHL	
235.05	260.60	25.55	LST	Dolomitized
226.60	E.O.H.			

SAMPLES

Numbers: I074557-I074569; I074608; I074684-I074698
I074714-I074734

Total: 50

Batch: 2,6,7

Date Sent: June 7, 13, 2010

Certificate: VA10073649, VA10078948, VA10078949

COMMENTS

The rods were reduced from HQ to NQ at 144.72 m. The hole was ended because the drill rods seperated past 600 feet and cound not be reattached.

GEOLOGY LOG

HOLE: Rau-10-72

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	Photo
0.00	1.35	1.35				OVB			Overburden - no recovery.																		
1.35	107.29	105.94				LST	FOS		Medium to dark grey LST exhibiting a weak foliation, variably brecciated. Foliation is undulose, dissolution like dark bands exhibiting a stress fabric. Variably "camo" limestone in appearance. Coral fossils at 16.20 m.																		
									Wavy dark "dissolution" bands dictate FO ~50 degrees TCA.	FO	50																
									Calcite veins of variable orientations and widths from 2 mm to 12 cm.	VN	45	70	6														
			13.00	31.98	18.98	LST	FOS		"Camo" mottled LST, sometimes weakly brecciated with calcite veins sub-parallel to oblique TCA.	FO	30																
									Veins hosting calcite crystals as large as 6 cm in size crosscut but appear to locally deform the weak foliation in LST.	VN	20	n/a														
			31.98	38.40	6.42	LST		cBX	Medium grey LST with dark grey crackle breccia matrix.																		x
									Weak foliation present in breccia 30 degrees TCA.	FO	30																
									Fine grained calcite veinlets ~30 degrees TCA, sub-parallel to parallel with breccia fabric, sometimes propagating through brecciation fractures.	VN	30																
									Wider veinlets crosscut breccia, 1 cm wide, 45 degrees TCA.	VN	45																
			38.40	44.35	5.95	LST		fBX	Light to very dark grey LST clasts of various roundness's and sizes <1 cm between larger dark grey clasts. Light grey, fine grained calcite veins cross-cut brecciation with no preferential orientation, linear and angular in appearance.																		
			47.75	51.96	4.21	LST		MO	"Camo" LST with large, 2-9 cm mottled light grey and dark grey patches oriented at 50 degrees TCA defining weak FO.	FO	50																
									Calcite veinlets cross-cutting mottles at 45 degrees TCA, <1 cm in appearance hosting dark grey inclusions, likely LST.	VN	45		5														
			60.65	63.49	2.84	LST		MO	Light grey LST with elongate, dark grey "camo" patches oriented elongate to 80 degrees TCA defining weak FO.	FO	80																
			67.65	107.35	39.70	LST	FLT		LST, variably faulted with blocky LST fragments, exhibiting shear strain fabric throughout, increasingly sinestral with depth oriented 45-60 degrees TCA.	SH	50				w												X

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
107.29	129.03	21.74				VOL			Green FG VOL, strongly foliated at 50-69 degrees TCA. Variably hosting narrow faults <1 m in width. Fractures prevalent along foliation planes. Fracture surfaces appear slightly oxidized, some feel greasy with talc. Sericite alteration variable throughout, increasing with depth. Unit appears moderately sheared at bottom contact, with lower mottled unit extremely oxidized.	FO	55					w	f											
									Narrow <1 cm calcite veinlets propagating along foliation planes.	VN	55	0	8														
129.03	178.92	49.89				LST	FOS		Variably marbleized, strongly foliated LST. Weak oxi alteration on fracture surfaces which follow foliation, oxidation alteration increasing with depth in interval. Rock variably exhibits weak to moderate strain textures. Carbonaceous augens present ~1 cm in size with pinch/swell fabric. , small, carbonaceous blebs appear strained along foliation, are very soft (SER-ALT?). FO angle decreases with depth. Weak Hem(?) alt/staining on fracture surfaces in LST at 141.45 m.							w												X
								SH	Rock appearing moderately strained from 129.03 m to 142.50 m with a weak sinestral shear indication a 131.03 m.																	
									Strong FO in dark, wavy bands in LST, 55 degrees TCA, <2.5 cm in width.	FO	55																
									Qz-Ca veinlet, 8 mm wide at 131.33 m parallel with FO, but deformed locally appearing sheared.	VN	55	0														
									NOTE: REDUCED FROM HQ to NQ at 134.72.																		
			142.33	145.80	3.47	LST	MBL		Moderately marbleized LST, light grey with medium grey bands, moderately bleached in appearance. Crinoid fossils at 143.92m.																		
							FOS		FO 70 degrees TCA from grey bands in marble	FO	70																
			145.80	148.78	2.98	LST	FLT		Dark grey with white calcareous 1 mm blebs. Blebs are very soft and fizz with 10% HCl. Weak to moderate oxi-alteration on fracture surfaces. Vesicles of dissolved minerals (Ca?) present in moderately oxidized patches in interval. Core is blocky, fracturing irregularly and along FO at 30 deg to CA.	FO	30														

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			156.20	159.54	3.34	LST	FLT		Blocky, marbleized faulted LST, light grey with dark grey nebulous blebs <1.2 cm and narrow bands <2 mm wide, bleached in appearance. Oxide alteration on fracture surfaces, weak to moderate. Recovery very poor between 157.29 and 159.41 m.							m										
							MBL																				
			159.54	171.06	11.52	LST			Dirty brown LST with Ca veins and trace Py oriented 60 degrees TCA. Trace rusty Py sometimes locally weathered out or plucked, soft where remaining, scratches rusty red (Hem alt?). Voids and rusty mineralization appear pyritic in crystal habit, <3 mm. Variably debris flow-like, clasts up to 1.5 cm, sub angular in a matrix of <2 mm grains.											t							
			167.78	167.99	0.21	LST			FO in brown LST 50 degrees TCA present from 167.78 to 167.99 m.	FO	50															
									3 mm, sinuous Ca-Qz veinlet oriented at 30 degrees TCA and 185 degrees to earlier vein.	VN	25															
									Outside of FO zone, a 5-6 mm wide Ca veinlet at 25 degrees TCA is cross cut and offset by a 3 mm, sinuous Ca-Qz veinlet.	VN	30	185														
									A wide Ca vein 168.00 to 168.63 m, 70 degrees TCA, moderate MBL alteration within, coarse grained white CA with dark, narrow bands within.	VN	60						MBL	m								
			171.06	178.92	7.86	LST	OX		LST with strong FO, appearing rusty red to dark grey, variably oxidized throughout. Poor recovery (driller's "void") from 173 to 175 m. Foliation angle lowers with depth with small <1 mm, soft white blebs fizzing, oriented with FO. Qz lens (?) at 175.90 m.							s											
									Strong FO at 25 degrees TCA, lowering with depth, exhibiting a wavy strain fabric.	FO	25															
			173.00	174.00	1.00	LST	OX		Intensely oxidized LST from 173.04 to 174.00 m							i										
									1.4 cm wide vein, 30 degrees TCA, 20 degrees to FO.	VN	30	20														
			175.90	175.92	0.02				Quartz lens(?) in rock, orientation unavailable	VN																
									FO 40 degrees TCA below Qz.	FO	40															
									Narrow 1 mm wide Ca veinlet 20 degrees TCA, 175 degrees to FO.	VN	20	175														
178.92	187.81	8.89				OX			Oxide, rusty red where clay-like in texture to rusty brown-rusty orange where rubbly. Extremely oxidized throughout with relic fabrics of previous LEP rock texture seen variably through OX unit, hosting variable SER alteration.							i											
									White Qz veinlet (lens?) at 180.02 m, 2 cm wide.	VN																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							PHOTO
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			178.92	181.55	2.63	OX	CLY		Very soft, rusty red clay oxide. 2 cm Qz lens at 180.02 m.							i											
			181.55	183.00	1.45	OX	RBL		Rusty brown OX rubble from 181.55 to 181.87 m, becoming rubbly rusty orange to 183.00 m.							i											
			183.00	184.55	1.55	LEP	OX		Oxidized LEP, Rock fizzes with 10% HCl from 184.70 to 184.55 m.							i											
									FO at 35-40 degrees TCA and wavy	FO	40																
			184.55	186.70	2.15	OX	RBL		Rubbly red OX.							i											
			186.70	187.15	0.45	OX	GRT		Rusty red, gritty OX, very soft.																		
									Cryptic FO remaining at 40 degrees TCA	FO	40																
			187.15	187.71	0.56	OX			Extremely oxidized moderate-strong LEP																		
187.81	197.52	9.71				LEP			Weakly to extremely oxidized LEP, strong FO 40-50 degrees TCA, variably SER altered throughout from moderate to very strong. Rock oxidized strongly to intense near upper contact and proximal to broken, blocky areas (faulting?)																			
			187.71	189.45		LEP	FLT		Very strongly sericitized LEP, intensely oxidized.							i		SER	ms								
									FO 40 degrees TCA.	FO	40																
			190.55	191.70	1.15	LEP	OX		Strongly oxidized LEP, fault rubble from 190.80 to 191.00 m, which is the centre of the oxidized zone (maybe iron staining?). Rusty yellow overprinting LEP.																			
							FLT																				
			193.05	197.52	4.47	LEP			LEP, blocky, moderately to moderately-strong oxidized, fractures along FO planes and along core axis most prevalent. Small, 1 mm wide lenses (Ca? Ser?) elongate with FO throughout.							ms		SER	m								X
									55 degrees TCA. Small blebs and fractures dictating FO.	FO	55																
197.52	216.05	18.53				OX			OX, yellow green in colour to red to dark brown in colour, variable LEP in texture throughout, variably very soft to rubbly to moderately strong rock throughout. Rock is variably altered by oxidation and sideritization throughout. FO at 60 degrees TCA, fractures follow foliation planes. Relict FO visible in intensely oxidized LEP. Siderite OX appearing from rubbly to component core. Component siderite vuggy, weathered out coarse grained crystals (Ca? Py?) giving it a rotted log appearance. Oxide core appearing rubbly to very soft clay in texture. Poor to very poor recovery throughout.							75	i											
			197.52	201.22		LEP	OX		Intensely oxidized LEP, soft, fissile along FO							i										x

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									Strong FO, 60 degrees TCA, rock fissile along FO.	FO	60																
			201.22	205.00		OX	RBL		Rubbly orange-brown Ox, <3.5 cm, earthy clasts, some blocky LEP present, extremely oxidized.							i										
			205.00	208.18	3.18	OX	RBL		Yellow, rubbly to competent, intensely oxidized LEP and OX rubble.							i										X
						LEP	OX																				
									Relic FO at 65 degrees TCA, overprinted by intense oxidation.	FO	65																
			208.18	209.01	0.83	OX	RBL		Rubbly brown siderite. <4 cm clasts, weathered crystals present.							i										
			209.01	210.79	1.78	OX	CLY		Red clay OX. Very soft, not soupy, core maintains cylindrical shape.							i										X
			210.79	216.05	5.26	OX	RBL		Rubbly siderite to large <20 cm competent core, brown in colour, weathered out crystals give a rotted log appearance, regular size and shape of crystals suggest Ca or Py weathering out.																		X
216.05	221.28	5.23				VOL			Green, variably magnetic FG VOL with <2 mm magnetite crystals disseminated variably throughout Rock is variably oxidized and sericitized throughout.							w									Mg	m	X
									FO in banded VOL 50-60 degrees TCA	FO	55																
									Narrow, white, soft 1 mm veinlets 25 degrees TCA and 180 degrees to FO between 218.00 and 219.00 m.	VN	25	180	2														
			216.05	216.71	0.66	VOL	OX		Magnetic, extremely oxi VOL, some red (Hem?) staining on irregular fracture surfaces.							i										
			216.71	217.78	1.07				Yellowy green Ser/oxi alteration on fracture surfaces/planes, less magnetic than rest of unit.							m		SER	f						Mg	t	
									MS foliation 60 degrees TCA, banding seen in VOL unit.	FO	60																
			217.78	221.00	3.22	VOL			Green VOL, magnetite present, 5-7%, disseminated throughout, Mg crystals occasionally plucked from core, <2 mm in crystal size. Weak oxi on some fracture surfaces.							w										m	
									Weak FO 50 degrees TCA.	FO	50																
			221.00	221.28	0.28	VOL			Magnetic VOL, brown in colour above contact with LEP below. Blocky, fracturing along FO planes.							m									Mg	m	
									Strong FO at 55 degrees TCA, controlling fracturing of interval.	FO	55																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
221.28	234.72	13.44				LEP			LEP, weakly foliated, variably volcaniclastic in appearance with small intervals of clastic, matrix supported rock. Trace pyrrhotite present, brassy, magnetic, <1mm in size. SER bands intermittent, <2.2 cm in width, sub-parallel to core axis. Rock becomes oxidized with depth until bottom contact. Fe/Oxi staining LEP along fracture selvages, <8 cm in width.						w					t						X
									FO is weak, 60 degrees TCA.	FO	60															
									NOTE: Sluffing of above OX in core from 222.98 to 223.15 m.																	
									Ca veinlets 60 degrees TCA	VN	60		1													
									Qz-Ca veinlet 70 degrees TCA, 1.4 cm wide, SER and dark, FG banded selvage on either side of Qz-Ca veinlet	VN	70	n/a	1													
			232.78	234.72	1.94	LEP	OX		Oxidized LEP, soft core, light grey clasts in orange matrix. Dark, soft, 2.5 cm blebs elongate in a preferred orientation. Dark blebs scratch red (Hem alt?)															He	t	x
									LEP weakly foliated at 55 degrees TCA	FO	55															
									Dark blebs, soft, up to 2.5 cm in size elongate with a very weak foliation at 40 degrees TCA, 340 degrees to earlier FO.	FO	40	340														
234.72	235.05	0.33				SHL			Black shale, FO 70 degrees TCA, soft, does not fizz Ca-Qz lens, coarse grained at 234.84 m. Rusty orange <1 mm bands (iron-Ser?) dictate Fo.																	
									FO 70 degrees TCA seen in narrow sub-millimetre bands (iron sericite?)	FO	70															
235.05	260.60	25.55				LST	DOL		Grey to light grey extremely dolomitized LST, variably cBX throughout, fizzes only slightly after being scratched. Appears strained (shear?) below contact with above narrow SHL unit. LST alternates from grey clasts with white matrix to lighter coloured clasts with dark matrix.					i													
							cBX																					
			235.05	241.31	6.26	LST	DOL	cBx	Grey DOL alt. LST, grey clasts with white matrix.					i													X
			241.31	242.68	1.37	LST	DOL	cBx	Light grey DOL-LST with dark matrix, cob.					i													
			242.68	243.81	1.13	LST	DOL	cBx	Grey DOL-LST with white matrix.					i													
			243.81	245.97	2.16	LST	DOL	cBx	White with dark grey matrix, DOL-LST.					i													
			245.97	249.35	3.38	LST	DOL	cBx	Grey with white matrix.					i													
			249.35	260.60	11.25	LST	DOL	cBx	Light grey to white with dark grey matrix.					i													
									Dirty brown, sugary dolomitized LST with drusy Ca on fracture 15 degrees TCA at 250.62 m.																	

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									260.60 m: E.O.H. - The hole was ended because of lost rod string.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-72

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
101.19	104.24	3.05	LST		2.90	95	I074557	2	0.01	0.03	6	0.03	
104.24	107.29	3.05	LST		2.30	75	I074558	2	<0.01	0.01	<5	0.01	
107.29	110.34	3.05	VOL		1.57	51	I074559	2	<0.01	0.23	3	0.06	
110.34	113.39	3.05	VOL		2.44	80	I074561	2	<0.01	0.12	4	0.60	
113.39	115.82	2.43	VOL		2.12	87	I074562	2	<0.01	0.19	10	0.22	
115.82	117.04	1.22	VOL		1.05	86	I074563	2	0.01	0.17	4	0.02	
117.04	118.57	1.53	VOL		0.75	49	I074564	2	<0.01	0.28	83	2.29	
118.57	121.01	2.44	VOL		1.83	75	I074566	2	0.01	0.31	14	0.08	
121.01	124.61	3.50	VOL		2.05	59	I074567	2	<0.01	0.26	4	0.04	
124.61	127.71	3.10	VOL		1.73	56	I074568	2	<0.01	0.26	2	0.02	
127.71	129.03	1.68	VOL		0.38	23	I074569	2	<0.01	0.23	61	0.61	BREAK IN SEQUENCE
129.03	132.08	3.05	LST	MBL	2.15	70	I074608	2	<0.01	0.04	32	0.07	BREAK IN SEQUENCE
162.00	165.00	3.00	LST	MBL	2.51	84	I074684	6	0.04	0.13	84	1.10	BREAK IN SEQUENCE
165.00	168.00	3.00	LST	MBL	2.90	97	I074685	6	0.06	0.10	169	3.59	
168.00	171.06	3.06	LST	MBL	2.02	66	I074686	6	0.06	0.24	257	1.69	
171.06	172.82	1.76	LST	MBL	1.69	96	I074687	6	0.09	1.08	1000	4.49	
172.82	175.87	3.05	LST	MBL	1.34	44	I074688	6	0.09	0.40	790	1.75	
175.87	178.92	3.05	LST	MBL	1.27	42	I074690	6	0.12	0.70	1020	4.13	
178.92	181.97	3.05	OX		1.64	54	I074691	6	0.83	46.90	5190	60.70	
181.97	185.01	3.04	OX		1.71	56	I074693	6	0.06	0.96	812	31.10	
185.01	187.81	2.80	OX		1.59	57	I074694	6	0.31	0.47	1645	53.40	
187.81	189.45	2.64	LEP		1.76	67	I074696	6	0.02	0.41	751	0.22	
189.45	191.11	1.66	LEP		1.60	96	I074697	6	0.01	0.31	694	0.12	
191.11	194.16	3.04	LEP		2.04	67	I074698	6	0.02	0.47	735	16.65	
194.16	197.21	3.05	LEP		1.99	65	I074714	6	0.03	0.57	667	11.90	BREAK IN SEQUENCE
197.21	200.25	3.04	OX		1.03	34	I074715	6	0.05	0.58	894	0.15	
200.25	204.00	2.75	OX		1.05	38	I074716	6	0.05	0.93	3740	0.25	
204.00	207.05	3.05	OX		0.89	29	I074717	7	0.06	0.57	2920	1.64	
207.05	209.00	1.95	OX		0.31	16	I074718	7	0.04	11.30	>10000	8.55	
209.00	210.79	1.79	OX		0.82	46	I074719	7	0.02	1.86	5740	4.98	
210.79	213.33	2.54	OX		0.75	30	I074720	7	0.18	9.35	>10000	13.10	
213.33	216.05	2.72	OX		1.14	42	I074721	7	0.06	6.35	>10000	5.58	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
216.05	218.25	2.20	VOL		1.40	64	I074723	7	<0.01	0.66	943	0.62	
218.25	221.28	3.03	VOL		2.04	67	I074724	7	<0.01	0.24	115	0.07	
221.28	224.00	2.72	LEP		2.60	96	I074726	7	<0.01	0.14	55	0.08	
224.00	227.00	3.00	LEP		2.45	82	I074727	7	<0.01	0.11	22	0.03	
227.00	230.00	3.00	LEP		2.90	97	I074728	7	<0.01	0.09	43	0.05	
230.00	232.89	2.89	LEP		2.02	70	I074729	7	<0.01	<0.01	64	0.14	
232.89	234.72	1.83	LEP		1.25	68	I074730	7	0.01	0.21	390	0.88	
234.72	236.83	2.11	SHL		1.42	67	I074731	7	0.01	0.20	60	1.82	
236.83	239.88	3.05	LST	DOL	2.68	88	I074733	7	<0.01	0.06	17	0.08	
239.88	242.93	3.05	LST	DOL	3.04	100	I074734	7	<0.01	0.04	22	0.08	
-	-	-	-	-	-	-	I074560	2	0.46	1.54	6430	61.30	Standard RSS-1
-	-	-	-	-	-	-	I074565	2	<0.01	0.01	<5	0.02	Blank
-	-	-	-	-	-	-	I074689	6	0.38	6.41	2	1.12	Standard ROS-1
178.92	181.97	3.05	OX		1.64	54	I074692	6	0.93	>100	5410	58.80	Duplicate
-	-	-	-	-	-	-	I074695	6	<0.01	0.07	14	0.18	Blank
-	-	-	-	-	-	-	I074722	7	<0.01	0.03	30	0.05	Blank
-	-	-	-	-	-	-	I074725	7	1.38	0.65	70	1.35	Standard ROS-2
234.72	236.83	2.11	SHL		1.42	67	I074732	7	0.01	0.28	62	1.84	Duplicate

GEOTECHNICAL LOG

HOLE: Rau-10-72

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
1.35	3.66	2.31	2.27	98	1	39	ms	fr		
3.66	5.18	1.52	1.05	69	0.45	30	ms	fr		
5.18	6.71	1.53	0.97	63	0.00	0	s	fr		
6.71	8.23	1.52	1.24	82	0.33	22	s	fr		
8.23	9.75	1.52	0.91	60	0.27	18	ms	fr		
9.75	11.28	1.53	0.80	52	0.22	14	ms	fr		
11.28	12.80	1.52	1.27	84	0.49	32	s	sw		
12.80	14.33	1.53	1.49	97	0.80	52	ms	fr		
14.33	15.85	1.52	1.30	86	0.82	54	ms	fr		
15.85	17.37	1.52	1.52	100	1.20	79	ms	fr		
17.37	18.90	1.53	1.43	93	0.99	65	ms	fr		
18.90	20.42	1.52	1.46	96	1.40	92	ms	fr		
20.42	21.95	1.53	1.31	86	0.90	59	ms	fr		
21.95	23.47	1.52	1.37	90	0.72	47	ms	fr		
23.47	24.99	1.52	1.17	77	0.48	32	s	fr		
24.99	26.52	1.53	1.22	80	0.64	42	ms	fr		
26.52	28.04	1.52	1.17	77	0.73	48	ms	fr		
28.04	29.57	1.53	1.06	69	0.32	21	s	sw		
29.57	31.09	1.52	1.02	67	0.59	39	ms	sw		
31.09	32.61	1.52	0.91	60	0.30	20	s	sw		
32.61	34.14	1.53	1.34	88	0.93	61	ms	fr		
34.14	35.66	1.52	1.29	85	0.87	57	ms	fr		
35.66	37.19	1.53	1.27	83	0.39	25	ms	fr		
37.19	38.71	1.52	1.50	99	0.68	45	ms	sw		
38.71	40.23	1.52	1.28	84	0.42	28	ms	mw		
40.23	41.76	1.53	1.20	78	0.22	14	s	sw		
41.76	43.28	1.52	1.25	82	0.43	28	ms	fr		
43.28	44.81	1.53	0.98	64	0.32	21	w	fr		
44.81	46.33	1.52	1.27	84	0.46	30	s	fr		
46.33	47.85	1.52	1.18	78	0.35	23	ms	fr		
47.85	49.38	1.53	1.17	76	0.25	16	ms	sw		
49.38	50.90	1.52	1.46	96	0.78	51	ms	fr		
50.90	52.43	1.53	1.01	66	0.42	27	ms	fr		
52.43	53.95	1.52	1.52	100	0.74	49	ms	sw		
53.95	55.47	1.52	0.83	55	0.14	9	ms	fr		
55.47	57.00	1.53	1.07	70	0.49	32	ms	sw		
57.00	58.52	1.52	1.52	100	0.80	53	ms	fr		
58.52	60.05	1.53	1.05	69	0.50	33	ms	sw		
60.05	61.57	1.52	1.42	93	0.78	51	ms	fr		
61.57	63.09	1.52	1.21	80	0.35	23	s	sw		
63.09	64.62	1.53	0.94	61	0.18	12	ms	fr		
64.62	66.14	1.52	0.93	61	0.21	14	ms	sw		
66.14	67.67	1.53	0.78	51	0.10	7	ms	fr		
67.67	69.19	1.52	0.81	53	0.14	9	ms	mw		
69.19	70.71	1.52	1.10	72	0.22	14	ms	fr		
70.71	72.24	1.53	0.92	60	0.11	7	ms	fr		
72.24	73.76	1.52	0.48	32	0.00	0	ms	sw		
73.76	75.29	1.53	0.47	31	0.00	0	ms	sw		
75.29	76.81	1.52	0.57	38	0.22	14	ms	ew		
76.81	78.33	1.52	1.52	100	0.49	32	ms	mw		
78.33	79.86	1.53	1.21	79	0.58	38	ms	fr		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
79.86	81.38	1.52	0.48	32	0.11	7	ms	mw		
81.38	82.91	1.53	0.96	63	0.39	25	ms	mw		
82.91	84.43	1.52	1.09	72	0.35	23	ms	mw		
84.43	85.95	1.52	0.77	51	0.00	0	ms	mw		
85.95	87.48	1.53	0.69	45	0.00	0	ms	sw		
87.48	89.00	1.52	0.92	61	0.00	0	ms	sw		
89.00	90.53	1.53	0.89	58	0.20	13	ms	sw		
90.53	92.05	1.52	0.79	52	0.00	0	ms	sw		
92.05	93.57	1.52	0.97	64	0.00	0	ms	fr		
93.57	95.10	1.53	0.59	39	0.12	8	s	sw		
95.10	96.62	1.52	1.19	78	0.00	0	ms	mw		
96.62	98.15	1.53	0.88	58	0.24	16	ms	sw		
98.15	99.67	1.52	1.03	68	0.00	0	s	sw		
99.67	101.19	1.52	1.40	92	0.55	36	s	fr		
101.19	102.72	1.53	0.98	64	0.10	7	ms	fr		
102.72	104.24	1.52	0.93	61	0.12	8	ms	sw		
104.24	105.77	1.53	1.12	73	0.40	26	w	sw		
105.77	107.29	1.52	1.46	96	0.17	11	ms	sw		
107.29	108.81	1.52	0.63	41	0.00	0	ms	sw		
108.81	110.34	1.53	0.79	52	0.00	0	w	mw		
110.34	111.86	1.52	0.89	59	0.11	7	ms	mw		
111.86	113.39	1.53	1.42	93	0.70	46	ms	sw		
113.39	114.91	1.52	1.22	80	0.39	26	ms	sw		
114.91	115.82	0.91	0.79	87	0.32	35	ms	fr		
115.82	117.04	1.22	0.99	81	0.27	22	ms	mw		
117.04	118.57	1.53	0.70	46	0.00	0	w	mw		
118.57	119.79	1.22	0.60	49	0.00	0	ms	sw		
119.79	121.01	1.22	1.22	100	0.00	0	ms	sw		
121.01	123.14	2.13	1.19	56	0.10	5		mw		
123.14	124.66	1.52	0.93	61	0.14	9		mw		
124.66	127.71	3.05	1.69	55	0.68	22		mw		
127.71	129.24	1.53	0.40	26	0.20	13		sw		
129.24	130.76	1.52	1.00	66	0.22	14	ms	sw		
130.76	131.98	1.22	0.93	76	0.50	41	s	sw		
131.98	133.20	1.22	1.06	87	0.45	37	ms	sw		
133.20	134.72	1.52	1.07	70	0.27	18	ms	sw		Reduced from HQ to NQ
134.72	136.25	1.53	1.27	83	0.18	12	ms	sw		
136.25	137.62	1.37	1.07	78	0.27	20	ms	sw		
137.62	139.45	1.83	1.70	93	1.15	63	ms	sw		
139.45	140.97	1.52	1.15	76	0.37	24	ms	sw		
140.97	141.73	0.76	0.32	42	0.00	0	ms	sw		
141.73	143.56	1.83	1.07	58	0.00	0	ms	sw		
143.56	145.08	1.52	1.09	72	0.38	25	ms	sw		
145.08	146.61	1.53	1.18	77	0.14	9	s	sw		
146.61	148.44	1.83	1.26	69	0.37	20	ms	sw		
148.44	151.49	3.05	2.90	95	0.68	22	ms	sw		
151.49	154.53	3.04	2.13	70	0.56	18	ms	sw		
154.53	157.28	2.75	1.98	72	0.63	23	ms	sw		
157.28	159.41	2.13	0.40	19	0.00	0	ms	sw		
159.41	160.63	1.22	0.33	27	0.00	0	ms	sw		
160.63	163.68	3.05	2.02	66	0.42	14	ms	sw		
163.68	166.73	3.05	2.73	90	1.83	60	ms	sw		
166.73	169.77	3.04	2.13	70	1.26	41	ms	sw		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
169.77	172.82	3.05	2.18	71	0.85	28	ms	mw		
172.82	175.87	3.05	1.20	39	0.89	29	ms	mw		
175.87	178.92	3.05	1.29	42	0.84	28	ms	sw		
178.92	181.97	3.05	1.31	43	0.00	0	ew	ew		
181.97	185.01	3.04	1.61	53	0.14	5	ew	ew		
185.01	188.06	3.05	1.63	53	0.23	8	ew	ew		
188.06	191.11	3.05	2.77	91	0.64	21	ms	mw		
191.11	194.16	3.05	1.88	62	0.80	26	ms	mw		
194.16	195.68	1.52	0.69	45	0.00	0	w	hw		
195.68	197.40	1.72	1.30	76	1.07	62	ms	sw		
197.40	200.25	2.85	1.06	37	0.40	14	ms	hw		
200.25	201.78	1.53	0.40	26	0.00	0	w	ew		
201.78	203.30	1.52	0.41	27	0.00	0	ew	ew		
203.30	204.52	1.22	0.41	34	0.00	0	ew	ew		
204.52	206.35	1.83	0.35	19	0.00	0	ew	ew		
206.35	208.18	1.83	0.29	16	0.00	0	ew	ew		
208.18	209.40	1.22	0.40	33	0.00	0	ew	ew		
209.40	211.23	1.83	0.91	50	0.29	16	ew	ew		
211.23	212.45	1.22	0.29	24	0.00	0	ew	ew		
212.45	214.27	1.82	0.68	37	0.19	10	w	hw		
214.27	215.19	0.92	0.36	39	0.00	0	w	ew		
215.19	216.71	1.52	0.56	37	0.36	24	w	hw		
216.71	217.63	0.92	0.70	76	0.22	24	ms	sw		
217.63	220.07	2.44	2.10	86	1.08	44	ms	sw		
220.07	221.28	1.21	0.50	41	0.22	18	w	sw		
221.28	223.11	1.83	1.61	88	0.58	32	ms	sw		
223.11	224.64	1.53	1.66	108	1.11	73	ms	sw		
224.64	227.67	3.03	2.56	84	1.74	57	ms	sw		
227.67	230.73	3.06	3.01	98	2.77	91	ms	fr		
230.73	233.78	3.05	2.30	75	1.15	38	ms	mw		
233.78	236.83	3.05	2.06	68	0.52	17	ms	mw		
236.83	239.88	3.05	2.73	90	1.94	64	ms	sw		
239.88	242.93	3.05	3.05	100	2.60	85	ms	sw		
242.93	245.97	3.04	2.80	92	2.57	85	ms	sw		
245.97	249.02	3.05	3.00	98	2.66	87	ms	fr		
249.02	252.07	3.05	2.97	97	2.61	86	ms	fr		
252.07	255.12	3.05	2.81	92	2.30	75	ms	fr		
255.12	260.60	5.48	2.25	41	1.31	24	ms	fr		
260.60	E.O.H.									

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-72

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	LST		n/a	n/a, box starts at1.35m
2.00	LST		0.24	
3.00	LST		0.79	
4.00	LST		0.75	
5.00	LST		0.18	
6.00	LST		1.00	
7.00	LST		0.34	
8.00	LST		0.59	
9.00	LST		0.75	
10.00	LST		0.53	
11.00	LST		0.73	
12.00	LST		1.08	
13.00	LST	FOS	0.41	
14.00	LST	FOS	0.22	
15.00	LST	FOS	0.00	
16.00	LST	FOS	1.51	
17.00	LST	FOS	0.00	
18.00	LST	FOS	1.94	
19.00	LST	FOS	0.82	
20.00	LST	FOS	1.70	
21.00	LST	FOS	1.08	
22.00	LST	FOS	0.00	
23.00	LST	FOS	1.14	
24.00	LST	FOS	1.68	
25.00	LST	FOS	0.96	
26.00	LST	FOS	0.00	
27.00	LST	FOS	0.71	
28.00	LST	FOS	0.00	
29.00	LST	FOS	1.00	
30.00	LST	FOS	0.16	
31.00	LST	FOS	1.68	
32.00	LST	cBX	0.69	
33.00	LST	cBX	1.35	
34.00	LST	cBX	0.16	
35.00	LST	cBX	0.53	
36.00	LST	cBX	1.08	
37.00	LST	cBX	1.53	
38.00	LST	cBX	2.37	
39.00	LST	fBX	1.70	
40.00	LST	fBX	0.00	
41.00	LST	fBX	0.22	
42.00	LST	fBX	1.06	
43.00	LST	fBX	0.00	
44.00	LST	fBX	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	LST		0.00	
46.00	LST		0.00	
47.00	LST	MO	1.06	
48.00	LST	MO	0.12	
49.00	LST	MO	0.43	
50.00	LST	MO	0.00	
51.00	LST	MO	0.00	
52.00	LST	MO	0.00	
53.00	LST	MO	0.00	
54.00	LST	MO	0.00	
55.00	LST	MO	1.39	
56.00	LST	MO	1.25	
57.00	LST	MO	0.84	
58.00	LST	MO	0.00	
59.00	LST	MO	1.37	
60.00	LST	MO	0.00	
61.00	LST	MO	2.25	
62.00	LST	MO	0.00	
63.00	LST	MO	0.00	
64.00	LST	MO	0.00	
65.00	LST	MO	0.00	
66.00	LST	MO	0.06	
67.00	LST	MO	0.00	
68.00	LST	FLT	2.62	
69.00	LST	FLT	0.00	
70.00	LST	FLT	0.10	
71.00	LST	FLT	0.00	
72.00	LST	FLT	0.00	
73.00	LST	FLT	0.82	
74.00	LST	FLT	0.82	
75.00	LST	FLT	0.00	
76.00	LST	FLT	0.16	
77.00	LST	FLT	0.18	
78.00	LST	FLT	0.26	
79.00	LST	FLT	0.61	
80.00	LST	FLT	0.43	
81.00	LST	FLT	0.84	
82.00	LST	FLT	1.49	
83.00	LST	FLT	0.00	
84.00	LST	FLT	0.00	
85.00	LST	FLT	0.12	
86.00	LST	FLT	0.00	
87.00	LST	FLT	0.08	
88.00	LST	FLT	0.00	
89.00	LST	FLT	0.26	
90.00	LST	FLT	6.88	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	LST	FLT	0.43	
92.00	LST	FLT	1.14	
93.00	LST	FLT	0.06	
94.00	LST	FLT	1.37	
95.00	LST	FLT	0.82	
96.00	LST	FLT	0.32	
97.00	LST	FLT	0.41	
98.00	LST	FLT	0.00	
99.00	LST	FLT	0.38	
100.00	LST	FLT	0.71	
101.00	LST	FLT	0.75	
102.00	LST	FLT	0.34	
103.00	LST	FLT	0.00	
104.00	LST	FLT	1.29	
105.00	LST	FLT	0.00	
106.00	LST	FLT	0.22	
107.00	LST	FLT	2.62	
108.00	VOL		56.00	volcanic
109.00	VOL		61.80	volcanic
110.00	VOL		9.69	volcanic
111.00	VOL		2.07	
112.00	VOL		1.90	
113.00	VOL		9.63	
114.00	VOL		2.89	
115.00	VOL		67.90	volcanic
116.00	VOL		1.33	
117.00	VOL		1.53	
118.00	VOL		1.78	
119.00	VOL		129.00	volcanic
120.00	VOL		3.21	
121.00	VOL		44.80	volcanic
122.00	VOL		1.04	
123.00	VOL		39.60	volcanic
124.00	VOL		88.30	volcanic
125.00	VOL		66.60	volcanic
126.00	VOL		42.90	volcanic
127.00	VOL		159.00	volcanic
128.00	VOL		1.14	
129.00	VOL		0.69	
130.00	LST	MBL	0.14	
131.00	LST	MBL	0.61	
132.00	LST	MBL	0.00	
133.00	LST	MBL	0.43	
134.00	LST	MBL	0.00	End of HQ
135.00	LST	MBL	0.98	Beginning of NQ
136.00	LST	MBL	0.61	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	LST	MBL	0.00	
138.00	LST	MBL	0.53	
139.00	LST	MBL	0.82	
140.00	LST	MBL	0.30	
141.00	LST	MBL	1.37	
142.00	LST	MBL	0.30	
143.00	LST	MBL	0.00	
144.00	LST	MBL	1.64	
145.00	LST	MBL	1.10	
146.00	LST	FLT	0.65	
147.00	LST	FLT	2.89	
148.00	LST	FLT	1.39	
149.00	LST	FLT	0.82	
150.00	LST	FLT	0.61	
151.00	LST	FLT	1.66	
152.00	LST	FLT	1.74	
153.00	LST	FLT	0.41	
154.00	LST	FLT	1.12	
155.00	LST	FLT	0.28	
156.00	LST	FLT	0.16	
157.00	LST	FLT	0.08	
158.00	LST	FLT	0.16	
159.00	LST	FLT	0.08	
160.00	LST		0.16	
161.00	LST		1.39	
162.00	LST		0.20	
163.00	LST		0.10	
164.00	LST		0.53	
165.00	LST		0.47	
166.00	LST		0.00	
167.00	LST		0.38	
168.00	LST		1.12	
169.00	LST		0.55	
170.00	LST		0.55	
171.00	LST	OX	0.57	
172.00	LST	OX	0.00	
173.00	LST	OX	1.23	
174.00	LST	OX	0.69	
175.00	LST	OX	0.59	
176.00	LST	OX	0.55	
177.00	LST	OX	1.80	
178.00	OX		0.12	
179.00	OX		0.69	
180.00	OX		3.52	
181.00	OX		4.89	
182.00	OX		0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00	OX		7.79	
184.00	OX		4.07	
185.00	OX		4.63	
186.00	OX		1.63	
187.00	OX		0.04	
188.00	LEP		0.61	
189.00	LEP		1.04	
190.00	LEP		0.84	
191.00	LEP		0.32	
192.00	LEP		0.41	
193.00	LEP		0.02	
194.00	LEP		1.61	
195.00	LEP		0.00	
196.00	LEP		0.34	
197.00	LEP		0.31	
198.00	OX		0.38	
199.00	OX		0.09	
200.00	OX		0.20	
201.00	OX		0.27	
202.00	OX		0.00	
203.00	OX		0.10	
204.00	OX		0.12	
205.00	OX		0.05	
206.00	OX		0.10	
207.00	OX		0.00	
208.00	OX		n/a	
209.00	OX		0.43	
210.00	OX		0.21	
211.00	OX		0.51	
212.00	OX		0.47	
213.00	OX		0.65	
214.00	OX		0.73	
215.00	OX		0.78	
216.00	OX		1.53	
217.00	VOL		4.37	
218.00	VOL		160.00	
219.00	VOL		148.00	
220.00	VOL		39.80	
221.00	VOL		89.10	
222.00	LEP		0.62	
223.00	LEP		0.12	
224.00	LEP		15.70	
225.00	LEP		35.20	
226.00	LEP		8.38	
227.00	LEP		0.32	
228.00	LEP		0.36	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
229.00	LEP		0.40	
230.00	LEP		0.14	
231.00	LEP		0.27	
232.00	LEP		0.27	
233.00	LEP		0.00	
234.00	LEP		0.01	
235.00	SHL		0.03	
236.00	LST	DOL	0.00	
237.00	LST	DOL	0.00	
238.00	LST	DOL	0.00	
239.00	LST	DOL	0.00	
240.00	LST	DOL	0.00	
241.00	LST	DOL	0.00	
242.00	LST	DOL	0.00	
243.00	LST	DOL	0.20	
244.00	LST	DOL	0.00	
245.00	LST	DOL	0.27	
246.00	LST	DOL	0.10	
247.00	LST	DOL	0.10	
248.00	LST	DOL	0.00	
249.00	LST	DOL	0.00	
250.00	LST	DOL	0.01	
251.00	LST	DOL	0.00	
252.00	LST	DOL	0.00	
253.00	LST	DOL	0.00	
254.00	LST	DOL	0.00	
255.00	LST	DOL	0.00	
256.00	LST	DOL	0.00	
257.00	LST	DOL	0.00	
258.00	LST	DOL	0	
259.00	LST	DOL	0	
260.00	LST	DOL	0.03	

BOX LOG

HOLE: Rau-10-72

BOX	FROM (m)	TO (m)
1	1.35	5.08
2	5.08	8.55
3	8.55	13.00
4	13.00	16.84
5	16.84	21.36
6	21.36	24.99
7	24.99	29.43
8	29.43	34.02
9	34.02	37.87
10	37.87	41.86
11	41.86	46.41
12	46.41	50.70
13	50.70	55.02
14	55.02	58.95
15	58.95	63.34
16	63.34	68.00
17	68.00	72.48
18	72.48	77.80
19	77.80	83.00
20	83.00	88.00
21	88.00	93.57
22	93.57	98.40
23	98.40	102.47
24	102.47	106.15
25	106.15	111.38
26	111.38	115.57
27	115.57	120.50
28	120.50	124.89
29	124.89	131.08
30	131.08	134.94
31	134.94	140.12
32	140.12	145.69
33	145.69	149.50
34	149.50	153.45
35	153.45	161.75
36	161.75	167.25
37	167.25	175.15
38	175.15	183.00
39	183.00	189.45
40	189.45	194.75
41	194.75	205.00
42	205.00	216.50
43	216.50	222.18
44	222.18	227.67
45	227.67	233.78

BOX	FROM (m)	TO (m)
46	233.78	240.00
47	240.00	245.92
48	245.92	251.47
49	251.47	257.14
50	257.14	260.60
260.60 m E.O.H.		

RAU PROPERTY

	Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
ZONE: East	09+850NW	10+055NE	528627	7118971	1306	470.92

SECTION: 09+850NW

HOLE: **Rau-10-73**

CLAIM: Rau 56

Contractor: Superior

Drill: 1

Core size: BTW

Casing depth: 9.14 m in

Drilling dates: May 27 - June 1, 2010

Geology logged by: E.Thiessen

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	0	-60.0	compass	167.64	231	-75.0	ranger
30.48	227	-74.6	ranger	213.36	230	-74.4	ranger
76.20	230	-74.7	ranger	259.10	230	-74.2	ranger
137.16	231	-75.2	ranger	304.80	233	-74.0	ranger

TARGET: High magnetic anomaly

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	4.00	4.00	OVB	
4.00	12.19	8.19	VOL	Amygdualoidal
12.19	121.00	108.81	LST	
121.00	162.80	41.80	VOL	
162.80	172.95	10.15	LST	
172.95	181.78	8.83	MX	Semi massive to massive pyrite
181.78	227.78	46.00	DOL	Mineralized
227.78	254.42	26.64	LST	Dolomitized
254.42	255.49	1.07	QV	
255.49	314.80	59.31	LST	Dolomitized
314.80	327.45	12.65	VOL	
327.45	470.72	143.27	LEP	Volcaniclastic
470.72	E.O.H.			

SAMPLES

Numbers: I074570-I074607; I074609-I074683

Total: 113

Batch: 2,3,4,5,6,7

Date Sent: June 7, 8, 10, 13 , 2010

Certificate: VA10073649, VA10074880, Va10076147 VA10076148, VA10078948, VA10078949

COMMENTS

The hole was ended because it was gettint too deep to continue with the small drill. The LEP unit showed no signs of weakening and Po minralization remaied relative consistant.

GEOLOGY LOG

HOLE: Rau-10-73

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	Photo
0.00	4.00	4.00				OVB			Overburden - no recovery																		
4.00	12.19	8.19				VOL		AM	Amygdaloidal volcanic, pale green to grey in colour and fine-grained 60% of sample. Bordering the VOL and the AM are fine-grained biotite crystals which also occur disseminated throughout the sample. Amygdales are filled with secondary calcite and are oblate-elongate and sub-rounded and 10-20% of sample. Fine to coarse-grained disseminated Py occurs throughout this unit. Heavily oxidized and sericitized portions occur for small intervals up to 40 cm, they are fine-grained rusty brown and very soft (breaks readily), usually associated with disseminated fine-grained Py.											f							x
									AM and VOL are elongated and form a foliation throughout the unit.	FO	60																	
12.19	121.00	108.81				LST			Light to grey fine-grained very dolomitized limestone. A high degree of fluid events are marked by prevalent calcite veining, sBx, cBx and stylolitic dissolution seams which form the foliation. At 16.76 m a 10 cm interval of massive-euhedral medium-grained Py occurs, it is slightly altered and the grains fall apart fairly easily.					80								t							
									Numerous single seamed stylolites, not pervasive throughout unit likely due to overprinting of other textures but when observed they occur in high densities, around 100 per m.	FO	60		100															
									Vein is Qz-Ca up to 1.5 cm in width. A few small sub-cm coarse grained anhedral As grains are present proximal to these veins. They are surrounded by fine-grained Py.	VN	40	85	1						t	t						
			12.19	48.00	35.81	LST			Dolomitized LST with up to 1 m sections of highly oxidized zones, red-rusty in colour and very soft and brittle. Fine-grained disseminated Py is pervasive in the oxidized portions. The LST bounding the oxidized area have a higher vein density and sBx association than the rest of the unit.					80		35				w							x

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			62.00	81.00	19.00			sBX	sBx rich subunit within the LST unit, some clasts are angular and 10 cm large appearing more as mBx but most are sub-rounded with large amounts of calcite filling interstitial space, matrix. This zone has a high degree of stylolites yet is often overprinted by the sBx texture.											t							
									Stylolitic	FO	55		100														
									Low angle Vn composed of Ca up to 1 cm wide.	VN	20	270	3														
									Vn parallel to Fo with Ca infilling, trace Py in veins.	VN	55		5							t							
			81.00	99.00	18.00			cBX	cBx rich unit in dolomitized LST. Most LST is fine-grained and structure less. Area from 92.35-94.79 m is rich in a coral-bafflelstone like texture filled with Ca, yet fossil ID is too cryptic. Trace Py in cBx matrix.											t							x
			99.00	121.00	22.00	LST			Fine-grained LST grey-black colour with weak dolomitization to none. Weak veining and minor brecciation is present but not very apparent. Fo is from variations in black and grey fine-grained portions. The black portion appears to be a fine-grained silty/clay (shale) with a weak calcite matrix.					w					t							x
									Usually very wispy and un-defined, made from Ca and fine-grained disseminated Py, Py usually more abundant in darker silty units. From 120.00 - 120.53 a highly fossiliferous, mostly altered echinoderm stem, unit occurs.	VN	25	285	0.1															
									Fo and Vn do not occur together as Fo and Vn's are not homogeneously pervasive.	FO	45																
121.00	162.80	41.80				VOL	BN		Well banded VOL consisting of grey and darker colour minerals that create the Fo. The grey VOL is often sericitized and displays a creamy green to yellowish colour and higher degree of Fo parallel broken core. Darker units are very fine grained and potentially shale interfingered with the VOL, they have a moderately strong Mg content and trace disseminated Fu as a bright green colour, and very fine-grained. The grey VOL has a small amount of Ca in the matrix. Biotite is present as fine-grained minerals usually defining a Fo and bounding shales and VOL. Py is fine-grained and disseminated in the upper portion of the unit as well as trace Po. Close to lower contact also has higher degrees of Py and Po disseminations.											t					Mg	ms	x
									Fo is defined by the VOL, fairly thin laminations	FO	45															

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	Photo
									Qz-Ca up to 1 cm wide and sharp contact. One Vn occurs 0.5 cm wide of massive Py at 85 TCA.	VN	50	270	0.5														
			121.00	121.72	0.72				Highly silicified with interfingered banded LST and grades into the VOL.	uCn																	
			121.00	124.50	3.50				MG DOL with VOL zones																		
			125.60	128.90	3.30				Very calcareous VOL, with calcite forming layers and blebs. Possibly interbedding.																		
			152.50	156.75	4.25	VOL	CGL		VOL cobble conglomerate with VOL and shale clasts elongated into the Fo with a weak Mg and Ca matrix.										t					Mg	w	x
									Elongated cobbles, often Mg associations.	FO	35																
			158.50	162.80	4.30	VOL	BN		Banded VOL, grey to light-green as it becomes sericitized, laminations are fine-grained and rusty. Disseminated Py and Po and laminated Py and Po occur, semi-massive in some sections. Mineralization increases closer to lower contact.										m		f						
162.80	172.95	10.15				LST	DOL		Medium grey fine-grained dolomitized LST with extensive Ca Vn's and Qz Vn's as well as cBx and Py-Po mineralization. LST is 60% of unit and hosts all the primary textures. Qz Vn's are 30% of unit associated with large amounts of Py-Po, Po is globular and fine-grained, Py is brassy to bright gold fine-grained as well as coarse grained sub-euhedral (P3 ?). Thin Fo parallel veinlets occur with minor Ch-Po-Py. From 168.50-170.39 m and from 173.00-174.00 m large quartz Vn dominates lithology with associated fine-grained Po and fine-coarse-grained Py. Vn also is associated with fibrous white-green talc in Tr amounts. Fo is weak wispy and associated with black sinuous shaley zones. Rare crinoid fragments are visible in the LST.					90					m		w						
									Weak, wispy and delineated by the dark silty shaley portions that resemble dissolution residuum.	Fo	45																
									Ca vein 1 cm, with perpendicular fibrous Ca infilling, crack-seal crystallization, fracture formed before fluid flux. A large Qz vein at the basal part of the unit occurs with weak mineralization.	VN	60		3														

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
172.95	181.78	8.83				MX			Medium to coarse-grained sub-euhedral massive (P3) Py, Tr Po is fine-grained and associated with Qz and Talc in veins that are overprinted by Py. Small wispy black shale-silty laminations are interfingered with the Py at 176.68. Talc is white-green and fibrous and occurs with Qz. Qz is <10 % and is overprinted by Py. Trace Ch associated with Po and silty unit as disseminations and small masses and associated with talc.										85		t					
									Gradational for 1.2 m with Py and Qz, after 1.2 massive sulphide occurs.	uCN																	
									Grades into lower unit over 20 cm, lower unit essentially has less mineralization and is more mineralization Fo.	lCN																	
									Weak, overprinted by Py and occurs with black silty unit.	FO	55																
181.78	227.78	46.00				DOL	MX	SP	Mainly hydrothermal dolomite occurring as coarse to medium-grained 'sparry' dolomite, buff-white in colour to pale cream pink. Zones of silicification do occur up to 5 %. Fo is weak and overprinted by sulphide mineralization. Py is up to 15 % and occurs as fine-medium-grained sub-euhedral grains overprinting the foliation.										s	t	t					
									Contact is more Qz rich and is gradational into dolomite over 2 m. This very weakly-banded dolostone has some oxidized and LST units throughout as well as small zones of massive Py sulphide. As occurs as small concentrated masses in trace amounts.	uCN																	
			197.65	197.80	0.15				MG sub-euhedral As associated with Py following FO. Radiating talc altered tremolite is replaced by Po.											w	t					
			181.76	206.20	24.44	DOL	MX	BN	Fine to coarse-grained sub-anhedral dolomite crystals dominate this zone. The lesser hydrothermal Qz occurs at the uCN. Py (P3) is fine to medium-grained and sub-euhedral and occurs as disseminations as well as overprinting the foliation. Talc and Ch occur with Po in trace amounts, talc is white-green and fibrous. The dolomite shows cBx and infilling by late fine-grained Py.						90	w			i		t					
									Weak, overprinted by Py	FO	40		50													
									0.7 cm calcite	VN	50	270	0.5													

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			206.20	209.55	3.35	DOL	OX		uCn grades into quartz rich zone, lCn grades into ankerite. The hydrothermal dolomite is medium-coarse-grained and very rusty coloured, likely mixed with ankerite. Moderate Fo defined by medium grained subhedral Py. Unit is very oxidized displaying a rusty brown colour and is broken often along core, often a muddy to partially cohesive limonitic portion occurs on core ends. This unit may represent a small scale local fracture or fault intersecting the DOL allowing oxidation. HEM stains most of the minerals red and occurs in small Fo parallel fractures. Veinlets are SID altered.							i						w					HEM	m	x
									Defined by 1 cm pyrite bands or fine HEM in fractures.	FO	60																
			209.55	214.88	5.33	DOL	MX		Hydrothermal dolomite coarse to medium-grained and sparry 90%. Upper contact is moderately veined Ca and silty grading into dolomite from oxide layers. Lower contact grades into LST DOL cBx rather sharply. Py (P3) is medium-grained and subhedral and disseminated, and may occur patchy to weakly foliated. As is also disseminated but mainly in masses and in Tr amounts and fine-grained. A cryptic cBx occurs in the dolomite with Py infilling.						t						m	t						
									Weak, mineralized.	FO	90																
									Medium-grained dolomite, 1 cm Vn.	VN	40																
			214.88	217.84	2.96	LST	DOL		Fine-grained grey to dark grey LST intensely altered to dolomite. Medium-grained subhedral Py is disseminated to vein associated. As occurs in small patches 1 cm large and very fine disseminations. LST has visible and cryptic fossil fragments, only small crinoid stems are identifiable. Textural changes between weak cBx and dissolution seams in random orientation have fine-grained black refractory minerals remaining.					l						t	t						x
									Two sets of veins, both 40 TCA with no Fo present. Both are Ca 0.5 cm, some veins filled with coarse dolomite.	VN	40																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			217.84	227.78	9.94	DOL	MX		Hydrothermal coarse-grained buff-dolomite dominates, all original texture is overprinted. DOL has low amounts of weakly cBx and subsequent infilling of Py and trace As. Minor talc is also sporadically spread throughout the zone. Py is fine to medium-grained and occurs as disseminations but more so infilling weak cBx interstices. Small black silty units are finely laminated and interfingered with the unit in small amounts. cBx at times resembles a mottled texture since the DOL is so coarse grained.										m	t						x
									Dolomitized LST with up to 1 m sections of highly oxidized zones, red-rusty in colour and very soft and brittle. Fine-grained disseminated Py is pervasive in the oxidized portions. The LST bounding the oxidized are have a higher vein density and sBx as	FO	85														
227.78	254.42	26.64				LST	DOL	BN	Light grey to grey thin to medium laminated dolomitized limestone. The protolith LST is very cryptic and original structures are highly overprinted by the present Fo, the original lithology appears to be a fine-grained grey limestone with variable degrees of Ca veining that were pre-Fo. Thin laminations of silty-black material also exist as small sinuous whisps in the pre-Fo material, often broken up from subsequent deformation. The Fo is made of LST, hydrothermal DOL, and Ca veining.					50							t							x
									LST/DOL banded with Ca veins. Foliations wispy and mildly undulatory, many pinches and swells with no distinguishable shear sense. Elongation is present in the foliation parallel plane from pinching and swelling and minor boudinage of veins and silty laminations. Augens also are present displaying pure shear. The top of the unit has a Fo of 0 TCA from 229.30-230.30 m then changes to 40 TCA for the rest of the unit. The Fo interchanges sporadically from minor cBx texture to sBx texture to dissolution seams, all at points dominate the Fo in different zones. The dissolution seam dominant Fo sections are easier to recognize since the dissolution residuum remains as black demarkations in the seams.	FO	40														

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
										VN	60	90	0														
									Gradational from DOL MX into LST DOL BN, contact is sharp but textural changes are discrete.	uCN																	
									Lower 2 m grade from strong dissolution Fo to weak cBx Fo and MX increases for disseminated Py, and the Fo overall becomes weaker. lCN has more visible weathering and oxidation associated with a higher degree of Ca veining and rusty appearance. Ox occurs with sulphide rich veins.	lCN						t											
254.42	255.49	1.07				QV			Large quartz vein with minor Ca, the uCN and lCN have marginal subhedral Py and minor foliations grading out towards the contacts. Vn is mainly Qz and broken core. Trace radiating white crystals of talc/tremolite.											t							
255.49	314.80	59.31				LST	DOL		Fine to medium-grained grey to light-grey to darker LST protolith very overprinted by the present Fo and Bx and Vn textures. Protolith LST appears to be mix of grey-white-black fragments, black being a silty unit, yet no original texture exists. The silty unit occurs in small thin laminations up to 1 cm thick, and is often sharply broken by strain and may be boudinage. Vn's range from fine-grained and <cm DOL to 1-2 cm large coarse-grained DOL+Qz Vn's. DOL often replaces even present Fo textures as white buff coarse-grained subhedral hydrothermal DOL grains. Common textures throughout zone are dissolution seams with dark refractory material delineating the seam, minor cBx and more sBx with coarse-grained DOL infill. All assumed protolith material (which lies in the Fo) is assumed to be pre Fo, pre-Fo Ca veins have been incorporated into Fo and together with LST protolith display moderate-strong pure shear textures, wispy laminations that pinch and swell around more competent grains, as well as competent silty foliations displaying boudinage. Py is brassy, disseminated (P3).					95	t	t	t			t					Sp	t	x

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									All overprinting coarse-grained sparry DOL texture overprints Fo and is post-shear. Some small fine-grained DOL Vn's also occur post-shear but are few Py occurs as fine-grained an-subhedral grains disseminated and overprinting Fo as fine-grained masses. Py is more concentrated at uCN and lCN. Py also occurs as late fluid cBx infilling Trace euhedral medium-grained sphalerite occurs in one pre-Fo Vn, this occurs in a small subunit of higher Ox zone with rusty colour and broken core. More fine-grained trace disseminated Sp may be in this zone but difficult to see. sBx is most common Bx and occurs sporadically thorough unit and overprints Fo.																			
									At 268.22 m protolith LST and pre-Fo Vn's.	FO	30															
									At 296.00 silty material and LST protolith.	FO	30															
									Fine-grained DOL Vn, 3 mm wide, only occur at 293.93-300.84 m	VN	20	285	10													
			276.80	279.96	3.16	LST	DOL		Dolomitized LST, fine-medium grey-light grey to rusty in colour. Core is often broken and appears oxidized, with hard-rubbly competence. Sp is in trace amounts and occurs in one small Fo parallel vein.							l				t					Sp	t	
314.80	327.45	12.65				VOL			Fine-grained grey-light brown VOL that make tiny wispy laminations that make the Fo. Weak Py occurs as fine-grained masses, spotty in appearance and overprint Fo, and rarely occurs as very-fine disseminations. Fo changes from light grey-brownish and both are very fine-grained and faint. Minor sericite is present and is light greenish grey. from 320.00-324.61 m. The uCN interfingers with a carbonaceous LEP unit. It is spotted brown with light grey matrix of Ca, brown may be fine biotite and/or silty grains, and occasionally a weak Fo may be present.										w							
									At 315.00 m Fo is Py and wispy in 0.7 cm wide sections.	FO	45															
									At 326.50 m thin Ca-Ch Vn's 1 mm wide parallel with Fo.	VN	30		10													
									Contacts, upper and lower, are both fast but not razor sharp, they change Fo parallel on both ends where the Fo occurs.	CN																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
327.45	470.92	143.47				LEP			Carbonaceous LEP unit with lots of Ca matrix and spotted brown silty to biotite spots. Spots are very-fine-grained and brownish to dark. Ca matrix appears in some sections to be cBx texture and in other sections appear as shear zone indicators, curving around the spots. From 331.01-336.90 a fine-grained laminated VOL is light green to grey and cleaves easily, the VOL is clay rich and very fractures and has lots of broken core.																		x
									Low angle 0.7 cm Ca VN	VN	10		0.5														
										FO	40																
									Ca vein 0.3 cm	VN	65	90	1														
									Broken core and rock flour and minor Ox, at 330 331.01 m and 334.00-336.00 m	FT																	
			355.09	439.20	84.11	LEP	VOL		Same LEP as above yet much better defined and displays FO and shear and potential fBx. The LEP becomes more defined down hole as well as an increase in MX. LEP in places shows a distinct relationship with the VOL as the LEP overprints and forms as a result of VOL ALT from Ca rich fluid phases, that also appears to be coincident with shear. Py is trace and very fine-grained and disseminated throughout the unit. Po occurs as a few percent of rock as hosted in mainly Qz-Ca VN's which tend to be syn and post-shear. Po occurs as fine-grained anhedral masses and clumps in the veins and also as disseminations deeper in this unit. The Qz Ca Po veins also have associated trace chlorite.										t		w	Ch	t			x
									At 347.00 m LEP defined the FO due to the elongation of the biotite spots and calcite infilling.	FO	20																
									Ca fine to medium grained, is concordant with FO at 40 TCA up to 2 cm wide. The most visible Ca veins are sheared and pre-FO or syn-FO therefore measurements are difficult. At 387.00 a single 1 cm vein of Ca, shows signs of sinestral shear which is cut by a veinlet showing dextral shear. (?)	VN	40		2														
										FO	40											t					
			439.20	450.75	11.55	VOL	LEP		Fine-grained grey to mildly green volcaniclastic weakly banded to non-banded and interfingers with LEP unit. Unit is veined more so than any other portion of the major LEP unit. Both LEP and VOL units are weakly magnetic.											t		w	Ch	t			

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			450.75	470.92	20.17				FO is faintly apparent in the VOL and LEP here, but is often not present at all, it changes from 40 TCA to 0 TCA as it undulates softly.	FO	40																
									Ca, 2 mm fine-grained, parallel to FO and often has Po and lesser Py and is associated with talc and Ch in trace amounts.	VN	40		2							t		w					
										VN	55	90	1														
									470.92 m - E.O.H. The hole was ended because it was well into the leopard unit with no signs of changing and it was past the target depth.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-73

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
4.00	7.05	3.05	VOL	AM	2.00	66	I074570	2	<0.01	0.19	292	1.06	
7.05	9.64	2.59	VOL	AM	1.97	76	I074571	2	0.01	0.22	463	3.61	
9.64	12.10	2.46	VOL	AM	1.57	64	I074572	3	<0.01	0.09	414	0.22	
12.10	15.00	2.90	LST		1.10	38	I074573	3	0.01	0.07	259	1.01	
15.00	17.90	2.90	LST		1.46	50	I074574	3	0.01	0.08	124	2.97	
17.90	21.00	3.10	LST		2.43	78	I074575	3	<0.01	0.06	137	0.80	
21.00	24.00	3.00	LST		2.30	77	I074576	3	<0.01	0.10	394	1.01	
24.00	27.00	3.00	LST		2.37	79	I074577	3	<0.01	0.12	790	1.29	
27.00	30.00	3.00	LST		2.00	67	I074578	3	<0.01	0.11	435	1.19	
30.00	33.00	3.00	LST		2.54	85	I074580	3	0.01	0.11	158	2.04	
33.00	36.04	3.04	LST		2.52	83	I074581	3	0.01	0.07	26	0.53	
36.04	39.00	2.96	LST		2.82	95	I074582	3	0.02	0.06	56	0.92	
39.00	42.00	3.00	LST		2.20	73	I074584	3	0.01	0.07	92	0.71	
42.00	45.00	3.00	LST		2.60	87	I074585	3	0.03	0.11	187	5.01	
45.00	48.00	3.00	LST		2.55	85	I074586	3	0.15	0.06	289	13.40	
48.00	51.00	3.00	LST		2.78	93	I074587	3	0.01	0.09	43	1.84	
51.00	54.00	3.00	LST		2.30	77	I074589	3	0.01	0.05	56	1.84	
118.00	121.00	3.00	LST		2.90	97	I074590	3	0.04	0.35	43	2.07	
121.00	124.00	3.00	VOL		2.84	95	I074591	3	1.73	24.50	101	297.00	
124.00	127.00	3.00	VOL		2.84	95	I074592	3	1.08	4.26	69	114.50	
127.00	130.00	3.00	VOL		2.90	97	I074593	3	0.01	0.20	35	2.20	
130.00	133.00	3.00	VOL		3.00	100	I074594	3	<0.01	<0.01	1	0.30	
133.00	136.00	3.00	VOL		2.88	96	I074595	3	0.01	<0.01	3.2	0.35	
136.00	139.00	3.00	VOL		2.97	99	I074596	3	0.01	<0.01	7.4	0.51	
139.00	142.00	3.00	VOL		2.33	78	I074597	3	<0.01	<0.01	0.6	0.10	
142.00	145.00	3.00	VOL		2.70	90	I074598	3	0.01	<0.01	4.3	0.42	
145.00	148.00	3.00	VOL		2.66	89	I074600	3	0.01	<0.01	1.9	1.00	
148.00	151.00	3.00	VOL		2.80	93	I074601	3	<0.01	<0.01	1.7	0.21	
151.00	154.00	3.00	VOL		3.00	100	I074602	3	<0.01	<0.01	3	0.56	
154.00	156.95	2.95	VOL		2.75	93	I074603	3	0.01	<0.01	1.7	0.07	
156.95	160.00	3.05	VOL		2.86	94	I074604	3	0.01	<0.01	6	0.80	
160.00	162.80	2.80	VOL		2.70	96	I074605	3	0.04	0.05	39.1	6.35	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
162.80	165.90	3.10	LST		3.10	100	I074606	3	0.19	0.23	1360	55.80	
165.90	168.43	2.53	LST		2.50	99	I074609	4	0.01	0.14	61	4.23	BREAK IN SEQUENCE
168.43	170.42	1.99	LST		1.99	100	I074610	4	0.03	0.28	132	223.00	
170.42	172.95	2.53	LST		2.07	82	I074611	4	0.12	0.47	382	38.20	
172.95	175.87	2.92	MX		2.92	100	I074612	4	0.52	0.41	2530	237.00	
175.87	178.88	3.01	MX		2.89	96	I074613	4	0.50	0.36	2870	860.00	
178.88	181.76	2.88	MX		2.88	100	I074614	4	0.41	0.36	3690	637.00	
181.76	184.70	2.94	DOL	MX	2.93	100	I074616	4	3.08	0.28	1780	448.00	
184.70	187.54	2.84	DOL	MX	2.84	100	I074617	4	3.24	0.15	1245	98.50	
187.54	190.40	2.86	DOL	MX	2.85	100	I074619	4	3.50	0.19	949	89.90	
190.40	193.23	2.83	DOL	MX	2.83	100	I074620	4	3.19	0.10	930	85.90	
193.23	196.00	2.77	DOL	MX	2.73	99	I074621	4	1.75	0.12	860	98.40	
196.00	199.00	3.00	DOL	MX	3.00	100	I074622	4	0.63	0.07	10550	78.20	
199.00	202.00	3.00	DOL	MX	2.92	97	I074623	4	0.57	0.09	922	137.00	
202.00	205.00	3.00	DOL	MX	3.00	100	I074624	4	4.42	0.17	1950	246.00	
205.00	207.26	2.26	DOL	MX	2.20	97	I074626	4	0.37	0.17	1680	224.00	
207.26	209.55	2.29	DOL	MX	1.89	83	I074627	4	0.40	2.20	2580	319.00	
209.55	212.00	2.45	DOL	MX	2.45	100	I074629	4	0.21	0.20	642	96.10	
212.00	214.88	2.88	DOL	MX	2.80	97	I074630	4	0.37	0.12	8650	52.60	
214.88	217.83	2.95	DOL	MX	2.93	99	I074631	4	0.11	0.07	1320	5.82	
217.83	220.88	3.05	DOL	MX	3.02	99	I074632	4	0.45	0.33	2040	174.50	
220.88	223.88	3.00	DOL	MX	2.92	97	I074633	4	0.15	0.09	3580	49.70	
223.88	226.81	2.93	DOL	MX	2.85	97	I074634	4	0.15	0.12	1140	123.00	
226.81	227.78	0.97	DOL	MX	0.97	100	I074635	4	0.35	0.19	1410	299.00	
227.78	230.75	2.97	LST	DOL	2.71	91	I074636	4	0.02	0.04	15	1.55	
230.75	233.75	3.00	LST	DOL	3.00	100	I074637	4	0.01	0.04	8	1.53	
233.75	236.75	3.00	LST	DOL	2.93	98	I074638	4	0.01	0.06	26	2.26	
236.75	239.75	3.00	LST	DOL	2.84	95	I074639	4	0.02	0.04	54	1.22	
239.75	242.75	3.00	LST	DOL	2.95	98	I074641	4	0.05	0.11	58	11.55	
242.75	245.75	3.00	LST	DOL	2.86	95	I074642	4	0.02	0.05	124	0.48	
245.75	248.75	3.00	LST	DOL	2.70	90	I074643	4	0.01	0.08	130	1.76	
248.75	250.75	2.00	LST	DOL	1.83	92	I074644	4	0.06	0.06	157	8.23	
250.75	252.68	1.93	LST	DOL	1.89	98	I074645	5	0.06	0.14	141	23.60	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
252.68	254.42	1.74	LST	DOL	1.50	86	I074646	5	0.03	0.06	85	4.32	
254.42	255.49	1.07	QV		1.00	93	I074647	5	0.10	0.06	232	58.70	
255.49	258.00	2.51	LST	DOL	2.45	98	I074648	5	0.05	0.08	202	59.80	
258.00	261.00	3.00	LST	DOL	2.93	98	I074649	5	0.41	0.05	274	42.80	
261.00	264.00	3.00	LST	DOL	2.97	99	I074650	5	0.06	0.04	125	7.23	
264.00	267.00	3.00	LST	DOL	2.69	90	I074651	5	0.02	0.03	42	1.74	
267.00	270.00	3.00	LST	DOL	2.95	98	I074652	5	0.01	0.03	44	5.83	
270.00	273.00	3.00	LST	DOL	3.00	100	I074653	5	0.02	0.05	111	4.52	
273.00	275.00	2.00	LST	DOL	1.96	98	I074654	5	0.05	0.05	53	6.99	
275.00	276.85	1.85	LST	DOL	1.62	88	I074655	5	0.04	0.07	117	8.80	
276.85	279.85	3.00	LST	DOL	2.75	92	I074656	5	0.03	1.08	736	17.05	
279.85	282.50	2.65	LST	DOL	2.50	94	I074657	5	0.05	1.44	167	16.95	
282.50	285.00	2.50	LST	DOL	2.08	83	I074659	5	0.03	0.12	77	4.79	
285.00	288.00	3.00	LST	DOL	3.00	100	I074660	5	0.04	0.12	105	6.27	
288.00	291.00	3.00	LST	DOL	2.94	98	I074661	5	<0.01	0.17	14	1.63	
291.00	294.00	3.00	LST	DOL	2.85	95	I074663	5	0.02	0.62	23	2.59	
294.00	297.00	3.00	LST	DOL	2.92	97	I074664	5	0.05	1.51	85	5.39	
297.00	300.00	3.00	LST	DOL	2.92	97	I074665	5	0.03	1.42	164	3.96	
300.00	303.00	3.00	LST	DOL	3.01	100	I074666	5	0.07	1.88	165	15.85	
303.00	306.00	3.00	LST	DOL	2.86	95	I074667	5	0.04	1.47	91	4.02	
306.00	309.00	3.00	LST	DOL	2.90	97	I074668	5	0.06	1.18	57	5.01	
309.00	312.00	3.00	LST	DOL	2.85	95	I074669	5	0.06	0.69	52	4.49	
312.00	314.80	2.80	LST	DOL	2.80	100	I074670	5	0.04	0.18	119	10.50	
314.80	317.40	2.60	VOL		2.51	97	I074672	5	0.02	0.46	111.5	5.88	
317.40	320.00	2.60	VOL		2.45	94	I074673	5	0.03	0.42	81.7	3.29	
320.00	323.00	3.00	VOL		3.00	100	I074675	5	<0.01	0.22	7	0.87	
323.00	326.00	3.00	VOL		2.52	84	I074676	5	<0.01	0.25	3.4	0.51	
326.00	327.45	1.45	LEP		1.38	95	I074677	5	<0.01	0.23	3.1	0.28	
327.45	330.00	2.55	LEP		2.55	100	I074678	5	0.01	0.16	6	0.19	
330.00	333.00	3.00	LEP		1.99	66	I074680	5	<0.01	0.36	67.3	0.29	
333.00	336.00	3.00	LEP		2.93	98	I074681	6	0.01	1.56	361	0.38	
336.00	339.00	3.00	LEP		2.61	87	I074682	6	<0.01	0.13	154	0.06	
339.00	342.00	3.00	LEP		2.97	99	I074683	6	<0.01	<0.01	7	0.01	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
342.00	345.00	3.00	LEP		2.56	85	I074699	6	0.01	0.54	252	10.20	
345.00	348.00	3.00	LEP		2.98	99	I074700	6	<0.01	0.52	12	0.12	
348.00	351.00	3.00	LEP		2.96	99	I074701	6	<0.01	0.75	1.1	0.10	
351.00	354.00	3.00	LEP		3.00	100	I074702	6	0.01	0.93	1.1	0.08	
354.00	357.00	3.00	LEP		2.92	97	I074703	6	<0.01	0.68	5	0.09	
357.00	360.00	3.00	LEP		2.84	95	I074705	6	<0.01	0.52	17	0.40	
360.00	363.00	3.00	LEP		2.97	99	I074706	6	0.01	0.51	15	0.29	
363.00	366.00	3.00	LEP		3.00	100	I074707	6	<0.01	0.56	8	0.14	
366.00	369.00	3.00	LEP		2.91	97	I074708	6	0.01	0.55	6	0.28	
369.00	372.00	3.00	LEP		2.98	99	I074709	6	0.01	0.56	<0.2	1.06	
372.00	375.00	3.00	LEP		3.00	100	I074710	6	<0.01	0.46	<5	1.13	
375.00	378.00	3.00	LEP		2.95	98	I074711	6	0.02	0.49	6	2.01	
378.00	381.00	3.00	LEP		2.99	100	I074712	6	<0.01	0.48	6	2.13	
381.00	384.00	3.00	LEP		3.00	100	I074735	7	<0.01	0.18	<5	1.25	BREAK IN SEQUENCE
384.00	387.00	3.00	LEP		2.95	98	I074736	7	<0.01	0.18	7	0.87	
387.00	390.00	3.00	LEP		2.96	99	I074737	7	0.01	0.21	<5	1.56	
436.20	439.20	3.00	LEP		3.00	100	I074738	7	0.01	0.23	<5	1.52	
439.20	442.20	3.00	LEP		2.90	97	I074739	7	<0.01	0.31	1.6	2.45	
442.20	445.20	3.00	LEP		2.99	100	I074740	7	<0.01	0.43	<0.2	2.62	
445.20	448.20	3.00	LEP		2.82	94	I074741	7	0.01	0.48	<0.2	2.54	
448.20	450.75	2.55	LEP		2.55	100	I074742	7	<0.01	0.35	3.4	2.49	
450.75	453.75	3.00	LEP		2.96	99	I074743	7	0.01	0.21	5	1.75	
-	-	-	-	-	-	-	I074579	3	0.01	0.03	5	0.04	Blank (BTW)
36.04	39.00	2.96	LST		2.82	95	I074583	3	0.01	0.04	120	1.00	Duplicate
-	-	-	-	-	-	-	I074588	3	3.20	0.78	1740	109.50	Standard RESS-8
-	-	-	-	-	-	-	I074599	3	2.64	0.78	1740	96.10	Standard RESS-8
-	-	-	-	-	-	-	I074607	3	<0.01	0.04	<5	0.16	Blank (BTW)
-	-	-	-	-	-	-	I074615	4	0.01	0.01	9	2.33	Blank (BTW)
-	-	-	-	-	-	-	I074618	4	2.53	0.72	1640	89.80	Standard RESS-8
202.00	205.00	3.00	DOL	MX	3.00	100	I074625	4	3.27	0.14	1700	198.50	Duplicate
-	-	-	-	-	-	-	I074628	4	<0.01	0.03	<5	0.85	Blank (BTW)
-	-	-	-	-	-	-	I074640	4	2.85	0.69	1660	88.30	Standard RESS-8

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
-	-	-	-	-	-	-	I074658	5	2.30	0.89	1650	101.50	Standard RESS-8
-	-	-	-	-	-	-	I074662	5	0.01	<0.01	<5	0.03	Blank (BTW)
312.00	314.80	2.80	LST	DOL	2.80	100	I074671	5	0.03	0.17	110	8.95	Duplicate
-	-	-	-	-	-	-	I074674	5	<0.01	0.01	<5	0.03	Blank (BTW)
-	-	-	-	-	-	-	I074679	5	0.49	1.59	6060	74.50	Standard RSS-5
-	-	-	-	-	-	-	I074704	6	0.41	1.70	5270	71.10	Standard (RSS-5)
-	-	-	-	-	-	-	I074713	6	0.01	0.01	<5	0.05	Blank (BTW)
-	-	-	-	-	-	-	I074744	7	<0.01	<0.01	<5	0.02	Blank (BTW)

GEOTECHNICAL LOG

HOLE: Rau-10-73

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
4.00	4.57	0.57	0.55	96	0.55	96	MS	MW		
4.57	6.10	1.53	1.07	70	1.07	70	MS	MW		
6.10	7.62	1.52	1.11	73	1.11	73	MS	MW		
7.62	9.14	1.52	1.17	77	0.85	56	MS	MW		
9.14	10.67	1.53	1.35	88	1.35	88	MS	MW		
10.67	12.19	1.52	0.76	50	0.67	44	MS	MW		
12.19	13.72	1.53	0.18	12	0.00	0	W	MW		
13.72	15.24	1.52	1.05	69	0.45	30	MS	MW		
15.24	16.76	1.52	0.90	59	0.47	31	MS	MW		
16.76	18.29	1.53	0.98	64	0.29	19	MS	MW		
18.29	19.81	1.52	1.46	96	1.15	76	MS	SW		
19.81	21.34	1.53	1.41	92	0.15	10	MS	MW		
21.34	22.86	1.52	1.05	69	0.58	38	MS	MW		
22.86	24.38	1.52	1.22	80	0.33	22	W	MW		
24.38	25.91	1.53	1.47	96	0.62	41	W	MW		
25.91	27.43	1.52	1.31	86	0.00	0	W	MW		
27.43	28.96	1.53	1.19	78	0.22	14	W	HW		
28.96	32.00	3.04	2.70	89	0.59	19	W	MW		
32.00	35.05	3.05	2.48	81	1.19	39	MS	SW		
35.05	38.10	3.05	3.00	98	2.72	89	MS	SW		
38.10	40.84	2.74	2.63	96	1.32	48	MS	SW		
40.84	42.82	1.98	1.56	79	0.52	26	MS	MW		
42.82	44.65	1.83	1.69	92	1.40	77	MS	SW		
44.65	46.63	1.98	1.89	95	0.86	43	MS	MW		
46.63	49.68	3.05	2.96	97	2.14	70	MS	SW		
49.68	52.12	2.44	2.29	94	1.57	64	MS	SW		
52.12	54.86	2.74	2.48	91	1.81	66	MS	SW		
54.86	57.91	3.05	3.02	99	2.42	79	MS	SW		
57.91	60.66	2.75	2.70	98	2.17	79	MS	SW		
60.66	62.79	2.13	1.84	86	1.03	48	MS	SW		
62.79	65.53	2.74	2.72	99	2.69	98	MS	SW		
65.53	68.58	3.05	2.89	95	1.72	56	MS	SW		
68.58	71.63	3.05	2.88	94	2.67	88	MS	SW		
71.63	74.68	3.05	2.99	98	2.42	79	MS	SW		
74.68	77.72	3.04	2.97	98	2.00	66	MS	FR		
77.72	80.77	3.05	2.67	88	1.50	49	MS	SW		
80.77	83.82	3.05	2.50	82	1.04	34	MS	MW		
83.82	85.34	1.52	1.10	72	0.24	16	MS	MW		
85.34	88.39	3.05	2.45	80	1.28	42	MS	SW		
88.39	89.61	1.22	0.85	70	0.12	10	MS	MW		
89.61	92.35	2.74	2.34	85	0.87	32	MS	SW		
92.35	94.79	2.44	2.22	91	1.12	46	MS	SW		
94.79	98.45	3.66	3.49	95	2.32	63	MS	SW		
98.45	100.58	2.13	1.74	82	0.56	26	MS	SW		
100.58	103.63	3.05	2.83	93	2.04	67	MS	FR		
103.63	106.68	3.05	2.93	96	2.62	86	MS	FR		
106.68	109.73	3.05	2.90	95	2.75	90	MS	FR		
109.73	112.78	3.05	2.85	93	2.57	84	MS	FR		
112.78	115.82	3.04	2.93	96	2.48	82	MS	FR		
115.82	118.87	3.05	2.93	96	2.58	85	MS	FR		
118.87	121.92	3.05	2.92	96	2.45	80	MS	FR		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
121.92	124.97	3.05	2.84	93	2.17	71	MS	FR		
124.97	128.02	3.05	2.98	98	2.89	95	MS	FR		
128.02	131.06	3.04	2.88	95	2.69	88	MS	FR		
131.06	134.11	3.05	2.95	97	2.73	90	MS	FR		
134.11	137.16	3.05	2.90	95	2.74	90	MS	FR		
137.16	139.60	2.44	2.10	86	1.37	56	MS	FR		
139.60	141.73	2.13	1.84	86	1.36	64	MS	FR		
141.73	143.26	1.53	1.53	100	1.25	82	MS	FR		
143.26	146.30	3.04	2.64	87	1.63	54	MS	FR		
146.30	149.35	3.05	2.09	69	2.04	67	MS	FR		
149.35	152.40	3.05	2.84	93	2.05	67	MS	FR		
152.40	155.45	3.05	2.98	98	2.25	74	MS	FR		
155.45	158.50	3.05	2.64	87	1.65	54	MS	FR		
158.50	160.02	1.52	1.50	99	1.23	81	MS	FR		
160.02	163.07	3.05	2.98	98	2.09	69	MS	FR		
163.07	166.12	3.05	3.04	100	1.65	54	MS	FR		
166.12	169.16	3.04	2.90	95	2.34	77	MS	FR		
169.16	170.69	1.53	1.53	100	1.12	73	MS	FR		
170.69	171.30	0.61	0.20	33	0.00	0	W	FR		
171.30	173.74	2.44	2.44	100	2.39	98	MS	SW		
173.74	176.78	3.04	3.04	100	2.63	87	MS	FR		
176.78	179.83	3.05	3.05	100	2.43	80	MS	FR		
179.83	182.88	3.05	3.02	99	2.35	77	MS	FR		
182.88	185.93	3.05	3.05	100	2.87	94	MS	FR		
185.93	188.98	3.05	3.03	99	2.69	88	MS	FR		
188.98	192.02	3.04	3.04	100	2.91	96	MS	FR		
192.02	195.07	3.05	2.98	98	2.90	95	MS	FR		
195.07	198.12	3.05	3.05	100	2.88	94	MS	FR		
198.12	201.17	3.05	3.05	100	3.00	98	MS	SW		
201.17	204.22	3.05	3.05	100	2.96	97	MS	SW		
204.22	207.26	3.04	2.98	98	2.13	70	MS	SW		
207.26	209.55	2.29	1.76	77	0.78	34	W	HW		
209.55	212.60	3.05	3.02	99	2.22	73	MS	SW		
212.60	214.88	2.28	2.20	96	2.11	93	MS	FR		
214.88	217.93	3.05	2.96	97	2.64	87	MS	FR		
217.93	220.98	3.05	3.02	99	2.71	89	MS	FR		
220.98	224.03	3.05	2.98	98	2.62	86	MS	SW		
224.03	227.08	3.05	3.03	99	2.78	91	MS	FR		
227.08	230.14	3.06	2.96	97	2.86	93	MS	SW		
230.14	233.17	3.03	3.03	100	3.00	99	MS	SW		
233.17	236.22	3.05	3.05	100	2.50	82	MS	SW		
236.22	239.27	3.05	2.85	93	2.45	80	MS	MW		
239.27	241.10	1.83	1.76	96	1.68	92	MS	SW		
241.10	243.84	2.74	2.71	99	2.39	87	MS	SW		
243.84	246.58	2.74	2.50	91	1.59	58	MS	SW		
246.58	249.63	3.05	2.78	91	1.14	37	MS	SW		
249.63	252.68	3.05	2.81	92	2.30	75	MS	SW		
252.68	255.73	3.05	2.87	94	0.86	28	MS	SW		
255.73	258.77	3.04	3.02	99	2.08	68	MS	SW		
258.77	261.82	3.05	3.05	100	2.41	79	MS	FR		
261.82	265.18	3.36	3.13	93	3.05	91	MS	FR		
265.18	268.22	3.04	2.83	93	2.25	74	MS	FR		
268.22	270.66	2.44	2.44	100	2.28	93	MS	FR		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
270.66	273.10	2.44	2.44	100	2.14	88	MS	FR		
273.10	275.84	2.74	2.71	99	1.70	62	MS	FR		
275.84	278.89	3.05	2.78	91	1.62	53	MS	FR		
278.89	279.89	1.00	0.92	92	0.00	0	S	MW		
279.89	283.01	3.12	2.92	94	1.97	63	MS	MW		
283.01	285.90	2.89	2.69	93	1.39	48	S	FR		
285.90	288.65	2.75	2.75	100	2.08	76	MS	FR		
288.65	291.69	3.04	3.04	100	2.34	77	MS	FR		
291.69	294.74	3.05	3.00	98	2.55	84	W	SW		
294.74	297.79	3.05	3.05	100	2.28	75	MS	FR		
297.79	300.84	3.05	2.98	98	1.35	44	MS	MW		
300.84	303.89	3.05	3.05	100	2.04	67	MS	SW		
303.89	307.09	3.20	3.02	94	1.87	58	MS	FR		
307.09	310.29	3.20	3.14	98	1.59	50	MS	FR		
310.29	313.33	3.04	2.98	98	2.69	88	MS	FR		
313.33	316.38	3.05	3.05	100	2.91	95	MS	FR		
316.38	319.43	3.05	2.93	96	2.16	71	MS	FR		
319.43	322.48	3.05	3.05	100	2.81	92	MS	FR		
322.48	324.21	1.73	1.77	102	1.52	88	MS	FR		
324.21	327.66	3.45	2.94	85	2.48	72	S	FR		
327.66	329.18	1.52	1.52	100	0.68	45	MS	FR		
329.18	331.01	1.83	1.10	60	0.63	34	MS	MW		
331.01	332.84	1.83	1.51	83	0.87	48	MS	SW		
332.84	334.37	1.53	1.49	97	0.29	19	W	SW		
334.37	337.41	3.04	2.85	94	1.32	43	W	HW		
337.41	340.46	3.05	3.05	100	2.31	76	S	FR		
340.46	343.51	3.05	3.05	100	2.15	70	S	FR		
343.51	345.95	2.44	1.90	78	1.14	47	MS	FR		
345.95	349.00	3.05	2.95	97	2.95	97	MS	FR		
349.00	352.04	3.04	2.98	98	2.30	76	MS	FR		
352.04	355.09	3.05	3.05	100	2.48	81	MS	FR		
355.09	358.14	3.05	2.90	95	2.33	76	MS	FR		
358.14	359.66	1.52	1.52	100	1.44	95	MS	FR		
359.66	362.71	3.05	2.99	98	2.86	94	MS	FR		
362.71	365.76	3.05	3.05	100	3.05	100	MS	FR		
365.76	368.81	3.05	2.95	97	2.44	80	MS	FR		
368.81	371.88	3.07	3.05	99	3.02	98	MS	FR		
371.88	374.90	3.02	3.00	99	2.70	89	MS	FR		
374.90	377.95	3.05	2.99	98	2.80	92	MS	FR		
377.95	381.00	3.05	3.03	99	2.97	97	MS	FR		
381.00	384.05	3.05	2.96	97	2.44	80	MS	FR		
384.05	387.10	3.05	2.99	98	2.99	98	MS	FR		
387.10	390.14	3.04	2.94	97	2.70	89	MS	FR		
390.14	393.19	3.05	3.04	100	2.85	93	MS	FR		
393.19	396.24	3.05	2.98	98	2.78	91	MS	FR		
396.24	399.29	3.05	3.00	98	3.00	98	MS	FR		
399.29	402.34	3.05	3.02	99	2.33	76	MS	FR		
402.34	405.38	3.04	2.99	98	2.74	90	MS	FR		
405.38	408.43	3.05	2.97	97	2.42	79	MS	FR		
408.43	411.48	3.05	3.02	99	2.92	96	MS	FR		
411.48	414.53	3.05	3.01	99	2.55	84	MS	FR		
414.53	417.58	3.05	3.01	99	2.91	95	MS	FR		
417.58	420.62	3.04	2.97	98	2.54	84	MS	FR		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
420.62	423.67	3.05	3.05	100	2.83	93	MS	FR		
423.67	426.72	3.05	3.05	100	2.97	97	MS	FR		
426.72	429.77	3.05	3.00	98	3.00	98	MS	FR		
429.77	432.82	3.05	3.02	99	3.02	99	MS	FR		
432.82	435.86	3.04	2.94	97	2.94	97	MS	FR		
435.86	438.91	3.05	3.05	100	3.05	100	MS	FR		
438.91	441.96	3.05	3.00	98	2.95	97	MS	FR		
441.96	445.01	3.05	2.96	97	2.88	94	MS	FR		
445.01	448.10	3.09	2.95	95	2.87	93	MS	FR		
448.10	451.10	3.00	3.00	100	3.00	100	MS	FR		
451.10	454.15	3.05	3.01	99	2.84	93	MS	FR		
454.15	457.20	3.05	2.96	97	2.96	97	MS	FR		
457.20	460.25	3.05	2.99	98	2.99	98	MS	FR		
460.25	463.30	3.05	3.04	100	2.98	98	MS	FR		
463.30	466.34	3.04	3.01	99	2.76	91	MS	FR		
466.34	469.39	3.05	3.05	100	2.80	92	MS	FR		
469.39	470.92	1.53	1.53	100	1.36	89	MS	FR		
470.92	E.O.H.									

DENSITY LOG

HOLE: Rau-10-73

Depth (m)	Unit	Modifier	MINERALS				Comments	Length (cm)	Diameter (cm)	Weight in Air	Weight in Water	Density	Specific Gravity
			Py %	As %	Other	%							
377.85	LEP	VOL			Po	w		15.1	4.2	591.2	380.5	2.88	2.81

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-73

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	OVB		N/A	
2.00	OVB		N/A	
3.00	OVB		N/A	
4.00	OVB		0.16	
5.00	VOL		0.00	
6.00	VOL		0.00	
7.00	VOL		0.00	
8.00	VOL		12.30	
9.00	VOL		23.30	
10.00	VOL		1.78	
11.00	VOL		5.04	
12.00	VOL		2.35	
13.00	LST		1.18	
14.00	LST		0.30	
15.00	LST		0.69	
16.00	LST		0.43	
17.00	LST		0.43	
18.00	LST		0.00	
19.00	LST		0.16	
20.00	LST		0.67	
21.00	LST		1.25	
22.00	LST		0.00	
23.00	LST		0.00	
24.00	LST		0.00	
25.00	LST		0.43	
26.00	LST		0.65	
27.00	LST		0.49	
28.00	LST		0.00	
29.00	LST		0.18	
30.00	LST		2.25	
31.00	LST		0.00	
32.00	LST		0.20	
33.00	LST		0.71	
34.00	LST		0.00	
35.00	LST		0.00	
36.00	LST		1.16	
37.00	LST		2.35	
38.00	LST		0.96	
39.00	LST		3.34	
40.00	LST		0.51	
41.00	LST		1.29	
42.00	LST		0.43	
43.00	LST		0.16	
44.00	LST		1.94	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	LST		0.00	
46.00	LST		0.49	
47.00	LST		1.06	
48.00	LST		1.04	
49.00	LST		4.22	
50.00	LST		1.04	
51.00	LST		1.20	
52.00	LST		0.12	
53.00	LST		0.92	
54.00	LST		2.99	
55.00	LST		0.88	
56.00	LST		1.47	
57.00	LST		0.22	
58.00	LST		1.04	
59.00	LST		1.41	
60.00	LST		1.27	
61.00	LST		0.36	
62.00	LST		2.07	
63.00	LST		0.09	
64.00	LST		0.36	
65.00	LST		0.55	
66.00	LST		0.43	
67.00	LST		1.61	
68.00	LST		0.38	
69.00	LST		0.43	
70.00	LST		1.39	
71.00	LST		0.20	
72.00	LST		0.65	
73.00	LST		3.36	
74.00	LST		0.06	
75.00	LST		0.86	
76.00	LST		0.77	
77.00	LST		3.62	
78.00	LST		1.31	
79.00	LST		0.75	
80.00	LST		0.10	
81.00	LST		1.68	
82.00	LST		1.35	
83.00	LST		0.00	
84.00	LST		0.00	
85.00	LST		0.00	
86.00	LST		0.16	
87.00	LST		1.27	
88.00	LST		1.14	
89.00	LST		0.53	
90.00	LST		1.14	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	LST		1.14	
92.00	LST		1.25	
93.00	LST		0.96	
94.00	LST		0.00	
95.00	LST		0.94	
96.00	LST		0.53	
97.00	LST		0.94	
98.00	LST		2.71	
99.00	LST		0.43	
100.00	LST		0.06	
101.00	LST		1.43	
102.00	LST		1.00	
103.00	LST		1.78	
104.00	LST		1.23	
105.00	LST		0.00	
106.00	LST		0.43	
107.00	LST		5.02	
108.00	LST		3.40	
109.00	LST		1.55	
110.00	LST		0.00	
111.00	LST		2.41	
112.00	LST		1.16	
113.00	LST		2.13	
114.00	LST		0.98	
115.00	LST		1.53	
116.00	LST		1.43	
117.00	LST		2.05	
118.00	LST		1.55	
119.00	LST		1.57	
120.00	LST		1.64	
121.00	LST		0.28	
122.00	VOL		1.64	
123.00	VOL		1.57	
124.00	VOL		3.79	
125.00	VOL		2.07	
126.00	VOL		1.18	
127.00	VOL		1.80	
128.00	VOL		0.82	
129.00	VOL		6.66	
130.00	VOL		2.21	
131.00	VOL		3.11	
132.00	VOL		2.05	
133.00	VOL		75.60	
134.00	VOL		32.80	
135.00	VOL		45.50	
136.00	VOL		3.99	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	VOL		1.79	
138.00	VOL		4.85	
139.00	VOL		1.29	
140.00	VOL		2.23	
141.00	VOL		5.19	
142.00	VOL		26.20	
143.00	VOL		6.62	
144.00	VOL		0.57	
145.00	VOL		13.40	
146.00	VOL		4.22	
147.00	VOL		10.20	
148.00	VOL		5.08	
149.00	VOL		1.51	
150.00	VOL		2.78	
151.00	VOL		10.60	
152.00	VOL		4.12	
153.00	VOL		3.05	
154.00	VOL		16.64	
155.00	VOL		1.66	
156.00	VOL		3.56	
157.00	VOL		0.55	
158.00	VOL		11.00	
159.00	VOL		13.20	
160.00	VOL		4.14	
161.00	VOL		6.29	
162.00	VOL		2.27	
163.00	LST		1.64	
164.00	LST		3.89	
165.00	LST		2.68	
166.00	LST		3.19	
167.00	LST		1.76	
168.00	LST		1.96	
169.00	LST		1.35	
170.00	LST		5.94	
171.00	LST		0.90	
172.00	LST		0.63	
173.00	MX		1.45	
174.00	MX		7.15	
175.00	MX		5.76	
176.00	MX		1.47	
177.00	MX		3.91	
178.00	MX		0.79	
179.00	MX		6.66	
180.00	MX		1.74	
181.00	MX		3.60	
182.00	DOL	MX	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00	DOL	MX	0.98	
184.00	DOL	MX	0.63	
185.00	DOL	MX	6.45	
186.00	DOL	MX	1.59	
187.00	DOL	MX	4.30	
188.00	DOL	MX	2.87	
189.00	DOL	MX	5.12	
190.00	DOL	MX	8.42	
191.00	DOL	MX	5.92	
192.00	DOL	MX	9.32	
193.00	DOL	MX	9.81	
194.00	DOL	MX	8.79	
195.00	DOL	MX	7.76	
196.00	DOL	MX	2.43	
197.00	DOL	MX	3.13	
198.00	DOL	MX	3.69	
199.00	DOL	MX	0.00	
200.00	DOL	MX	1.86	
201.00	DOL	MX	1.47	
202.00	DOL	MX	0.49	
203.00	DOL	MX	1.59	
204.00	DOL	MX	0.53	
205.00	DOL	MX	0.00	
206.00	DOL	MX	0.16	
207.00	DOL	MX	0.63	
208.00	DOL	MX	0.77	
209.00	DOL	MX	0.32	
210.00	DOL	MX	1.04	
211.00	DOL	MX	0.82	
212.00	DOL	MX	0.00	
213.00	DOL	MX	1.23	
214.00	DOL	MX	1.18	
215.00	LST	DOL	0.12	
216.00	LST	DOL	0.08	
217.00	LST	DOL	0.00	
218.00	DOL	MX	0.69	
219.00	DOL	MX	1.20	
220.00	DOL	MX	1.27	
221.00	DOL	MX	0.00	
222.00	DOL	MX	0.45	
223.00	DOL	MX	0.53	
224.00	DOL	MX	0.69	
225.00	DOL	MX	1.31	
226.00	DOL	MX	0.00	
227.00	DOL	MX	0.57	
228.00	LST	DOL	3.79	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
229.00	LST	DOL	0.00	
230.00	LST	DOL	0.51	
231.00	LST	DOL	0.14	
232.00	LST	DOL	0.84	
233.00	LST	DOL	0.53	
234.00	LST	DOL	0.06	
235.00	LST	DOL	1.90	
236.00	LST	DOL	0.45	
237.00	LST	DOL	0.57	
238.00	LST	DOL	1.61	
239.00	LST	DOL	0.57	
240.00	LST	DOL	1.98	
241.00	LST	DOL	0.00	
242.00	LST	DOL	0.00	
243.00	LST	DOL	0.43	
244.00	LST	DOL	1.37	
245.00	LST	DOL	0.59	
246.00	LST	DOL	0.32	
247.00	LST	DOL	0.47	
248.00	LST	DOL	0.71	
249.00	LST	DOL	1.98	
250.00	LST	DOL	0.45	
251.00	LST	DOL	0.22	
252.00	LST	DOL	0.34	
253.00	LST	DOL	0.10	
254.00	LST	DOL	0.67	
255.00	QV		1.47	
256.00	LST	DOL	1.04	
257.00	LST	DOL	0.34	
258.00	LST	DOL	0.90	
259.00	LST	DOL	0.98	
260.00	LST	DOL	0.51	
261.00	LST	DOL	0.69	
262.00	LST	DOL	0.77	
263.00	LST	DOL	0.12	
264.00	LST	DOL	1.06	
265.00	LST	DOL	0.18	
266.00	LST	DOL	0.65	
267.00	LST	DOL	0.73	
268.00	LST	DOL	0.90	
269.00	LST	DOL	0.92	
270.00	LST	DOL	1.08	
271.00	LST	DOL	0.90	
272.00	LST	DOL	1.37	
273.00	LST	DOL	0.69	
274.00	LST	DOL	1.20	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
275.00	LST	DOL	0.98	
276.00	LST	DOL	0.00	
277.00	LST	DOL	0.59	
278.00	LST	DOL	1.41	
279.00	LST	DOL	1.26	
280.00	LST	DOL	1.10	
281.00	LST	DOL	1.23	
282.00	LST	DOL	1.08	
283.00	LST	DOL	0.71	
284.00	LST	DOL	0.18	
285.00	LST	DOL	0.30	
286.00	LST	DOL	0.61	
287.00	LST	DOL	1.31	
288.00	LST	DOL	0.61	
289.00	LST	DOL	0.04	
290.00	LST	DOL	0.92	
291.00	LST	DOL	1.12	
292.00	LST	DOL	0.92	
293.00	LST	DOL	1.00	
294.00	LST	DOL	1.00	
295.00	LST	DOL	0.67	
296.00	LST	DOL	1.31	
297.00	LST	DOL	0.71	
298.00	LST	DOL	0.65	
299.00	LST	DOL	0.82	
300.00	LST	DOL	0.96	
301.00	LST	DOL	0.59	
302.00	LST	DOL	1.04	
303.00	LST	DOL	0.77	
304.00	LST	DOL	0.00	
305.00	LST	DOL	1.98	
306.00	LST	DOL	1.86	
307.00	LST	DOL	1.06	
308.00	LST	DOL	1.39	
309.00	LST	DOL	0.90	
310.00	LST	DOL	1.33	
311.00	LST	DOL	1.49	
312.00	LST	DOL	2.21	
313.00	LST	DOL	1.23	
314.00	LST	DOL	1.06	
315.00	VOL		0.00	
316.00	VOL		0.38	
317.00	VOL		2.17	
318.00	VOL		1.04	
319.00	VOL		5.90	
320.00	VOL		2.13	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
321.00	VOL		5.39	
322.00	VOL		1.51	
323.00	VOL		4.34	
324.00	VOL		0.28	
325.00	VOL		25.10	
326.00	VOL		0.26	
327.00	VOL		1.61	
328.00	LEP	VOL	3.79	
329.00	LEP	VOL	3.19	
330.00	LEP	VOL	1.76	
331.00	LEP	VOL	N/A	
332.00	LEP	VOL	0.92	
333.00	LEP	VOL	0.94	
334.00	LEP	VOL	0.55	
335.00	LEP	VOL	1.14	
336.00	LEP	VOL	0.43	
337.00	LEP	VOL	2.82	
338.00	LEP	VOL	1.02	
339.00	LEP	VOL	0.49	
340.00	LEP	VOL	1.45	
341.00	LEP	VOL	2.43	
342.00	LEP	VOL	0.08	
343.00	LEP	VOL	0.26	
344.00	LEP	VOL	0.45	
345.00	LEP	VOL	0.26	
346.00	LEP	VOL	0.32	
347.00	LEP	VOL	0.28	
348.00	LEP	VOL	0.38	
349.00	LEP	VOL	0.41	
350.00	LEP	VOL	0.47	
351.00	LEP	VOL	0.38	
352.00	LEP	VOL	0.55	
353.00	LEP	VOL	0.51	
354.00	LEP	VOL	0.47	
355.00	LEP	VOL	0.45	
356.00	LEP	VOL	0.32	
357.00	LEP	VOL	1.35	
358.00	LEP	VOL	1.23	
359.00	LEP	VOL	0.71	
360.00	LEP	VOL	1.08	
361.00	LEP	VOL	0.12	
362.00	LEP	VOL	0.28	
363.00	LEP	VOL	0.45	
364.00	LEP	VOL	0.38	
365.00	LEP	VOL	0.36	
366.00	LEP	VOL	1.25	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
367.00	LEP	VOL	1.64	
368.00	LEP	VOL	1.45	
369.00	LEP	VOL	2.07	
370.00	LEP	VOL	1.43	
371.00	LEP	VOL	10.10	
372.00	LEP	VOL	23.10	
373.00	LEP	VOL	16.30	
374.00	LEP	VOL	7.70	
375.00	LEP	VOL	0.49	
376.00	LEP	VOL	15.30	
377.00	LEP	VOL	12.40	
378.00	LEP	VOL	16.10	
379.00	LEP	VOL	15.20	
380.00	LEP	VOL	2.41	
381.00	LEP	VOL	1.27	
382.00	LEP	VOL	3.15	
383.00	LEP	VOL	6.84	
384.00	LEP	VOL	30.20	
385.00	LEP	VOL	7.66	
386.00	LEP	VOL	13.80	
387.00	LEP	VOL	13.00	
388.00	LEP	VOL	4.57	
389.00	LEP	VOL	13.70	
390.00	LEP	VOL	12.70	
391.00	LEP	VOL	4.83	
392.00	LEP	VOL	3.89	
393.00	LEP	VOL	5.10	
394.00	LEP	VOL	4.01	
395.00	LEP	VOL	3.52	
396.00	LEP	VOL	16.00	
397.00	LEP	VOL	4.85	
398.00	LEP	VOL	3.56	
399.00	LEP	VOL	5.47	
400.00	LEP	VOL	0.45	
401.00	LEP	VOL	0.32	
402.00	LEP	VOL	0.82	
403.00	LEP	VOL	0.55	
404.00	LEP	VOL	2.17	
405.00	LEP	VOL	1.04	
406.00	LEP	VOL	3.05	
407.00	LEP	VOL	0.77	
408.00	LEP	VOL	2.84	
409.00	LEP	VOL	2.05	
410.00	LEP	VOL	1.59	
411.00	LEP	VOL	2.58	
412.00	LEP	VOL	2.50	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
413.00	LEP	VOL	5.24	
414.00	LEP	VOL	6.76	
415.00	LEP	VOL	5.10	
416.00	LEP	VOL	3.19	
417.00	LEP	VOL	1.74	
418.00	LEP	VOL	1.80	
419.00	LEP	VOL	1.29	
420.00	LEP	VOL	6.17	
421.00	LEP	VOL	2.27	
422.00	LEP	VOL	2.56	
423.00	LEP	VOL	3.03	
424.00	LEP	VOL	2.72	
425.00	LEP	VOL	3.34	
426.00	LEP	VOL	2.68	
427.00	LEP	VOL	2.41	
428.00	LEP	VOL	1.76	
429.00	LEP	VOL	3.97	
430.00	LEP	VOL	2.39	
431.00	LEP	VOL	1.59	
432.00	LEP	VOL	1.92	
433.00	LEP	VOL	1.49	
434.00	LEP	VOL	2.95	
435.00	LEP	VOL	3.13	
436.00	LEP	VOL	4.22	
437.00	LEP	VOL	3.56	
438.00	LEP	VOL	16.70	
439.00	LEP	VOL	4.10	
440.00	LEP	VOL	24.00	
441.00	LEP	VOL	20.60	
442.00	LEP	VOL	20.80	
443.00	LEP	VOL	24.60	
444.00	LEP	VOL	33.90	
445.00	LEP	VOL	6.43	
446.00	LEP	VOL	26.50	
447.00	LEP	VOL	22.30	
448.00	LEP	VOL	26.00	
449.00	LEP	VOL	13.10	
450.00	LEP	VOL	34.60	
451.00	LEP	VOL	30.80	
452.00	LEP	VOL	9.28	
453.00	LEP	VOL	4.59	
454.00	LEP	VOL	4.28	
455.00	LEP	VOL	3.05	
456.00	LEP	VOL	3.40	
457.00	LEP	VOL	5.28	
458.00	LEP	VOL	6.76	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
459.00	LEP	VOL	14.80	
460.00	LEP	VOL	3.09	
461.00	LEP	VOL	11.50	
462.00	LEP	VOL	1.33	
463.00	LEP	VOL	0.82	
464.00	LEP	VOL	0.71	
465.00	LEP	VOL	1.80	
466.00	LEP	VOL	1.68	
467.00	LEP	VOL	2.88	
468.00	LEP	VOL	7.03	
469.00	LEP	VOL	5.53	
470.00	LEP	VOL	2.27	

BOX LOG

HOLE: Rau-10-73

BOX	FROM (m)	TO (m)
1	4.00	9.83
2	9.83	17.41
3	17.41	22.86
4	22.86	28.07
5	28.07	34.00
6	34.00	39.22
7	39.22	44.65
8	44.65	49.88
9	49.88	55.65
10	55.65	60.66
11	60.66	66.14
12	66.14	71.63
13	71.63	77.28
14	77.28	82.57
15	82.57	87.42
16	87.42	92.60
17	92.60	98.13
18	98.13	103.63
19	103.63	109.23
20	109.23	114.96
21	114.96	120.53
22	120.53	126.17
23	126.17	131.76
24	131.76	137.49
25	137.49	142.72
26	142.72	148.45
27	148.45	153.94
28	153.94	159.40
29	159.40	164.89
30	164.89	170.39
31	170.39	176.03
32	176.03	181.68
33	181.68	187.54
34	187.54	193.23
35	193.23	199.02
36	199.02	204.80
37	204.80	210.54
38	210.54	216.32
39	216.32	222.07
40	222.07	227.70
41	227.70	233.54
42	233.54	239.18
43	239.18	244.62
44	244.62	250.12
45	250.12	255.57
46	255.57	261.20
47	261.20	267.04
48	267.04	272.60
49	272.60	277.92
50	277.92	283.28
51	283.28	288.51
52	288.51	293.93
53	293.93	299.31
54	299.31	304.72
55	304.72	310.29
56	310.29	315.89
57	315.89	321.28
58	321.28	327.05
59	327.05	332.84
60	332.84	337.70
61	337.70	343.16
62	343.16	348.86
63	348.86	354.28
64	354.28	359.88
65	359.88	365.28
66	365.28	370.87
67	370.87	376.45
68	376.45	382.00
69	382.00	387.10
70	387.10	392.96
71	392.96	398.48
72	398.48	404.11
73	404.11	409.02
74	409.02	415.13
75	415.13	420.84
76	420.84	426.59
77	426.59	432.39
78	432.39	437.86
79	437.86	443.31
80	443.31	448.88
81	448.88	454.36
82	454.36	459.92
83	459.92	465.54
84	465.54	469.39
85	469.39	470.92
470.92 m E.O.H.		

RAU PROPERTY

	Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
ZONE: Tiger and Lower East	10+350NW	10+193NE	528408	7119435	1428	484.33

SECTION: 10+350NW

HOLE: **Rau-09-74**

CLAIM: Rau 98f

Contractor: Superior

Drill: 2

Core size: HQ

Casing depth: 1.52 m out

Drilling dates: June 1st - June 14, 2010

Geology logged by: K. Unger, J. Lane, K. Wynne

TARGET:

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-72.0	compass	467.87	241	-68.0	ranger
254.80	236	-67.1	ranger				
330.70	237	-68.3	ranger				
391.67	239	-67.8	ranger				

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	0.98	0.98	OVB	
0.98	104.51	103.53	LST	
104.51	131.77	27.26	VOL	
131.77	138.85	7.08	LST	Crackle brecciated
138.85	167.03	28.18	LST	Marbleized
167.03	171.60	4.57	OX	Clay rich
171.60	179.22	7.62	LST	Marbleized
179.22	192.18	12.96	OX	Gritty
192.18	197.51	5.33	LST	Intensely oxidized
197.51	236.78	39.27	OX	Volcaniclastic
236.78	484.33	247.55	LST	Dolomitized and crackle brecciated
484.33	E.O.H.			

SAMPLES

Numbers: I074894-I074954, I075000-I075041

Total: 103

Batch: 11, 12, 13, 14, 15, 16, 17, 18

Date Sent: June 17, 18, 20, 21, 2010

Certificate: VA10082228, VA10082229, VA10082227
VA10083887, VA10083932, VA10083884, VA10083933
VA10083886

COMMENTS

Reduced from HQ to NQ at 177.70 m. The hole was ended because it was past the fault and therefore past th targeted depth.

GEOLOGY LOG

HOLE: Rau-09-74

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	0.98	0.98				OVB			Overburden - No recovery.																		
0.98	104.51	103.53				LST			Undolomitized LST, fizzes throughout with 10% HCl. Variably brecciated and foliated throughout. Calcite veins hosting very coarse Ca crystals up to several cm's in size. Fault breccia with large to <mm angular clasts hosting trace oxidation throughout interval. Textures present: cBX, fBX, FO, Ca-VN, mBX, dissolution, strain/shear.																	
			0.98	9.97	8.99	LST		cBX	Medium grey LST, cBX clasts appearing weakly extensionally strained/sheared along a weak FO of 30-40 degrees TCA.	FO	35															
			9.97	16.87	6.90	LST		cBX	Medium to light grey LST, relic cBX texture becoming more sheared/strained/deformed in appearance. FO 70 degrees TCA becoming 40 degrees TCA with increasing depth after 15.20 m.	FO	70															
			16.87	27.04	10.17	LST		cBX	LST with a strongly deformed relict cBX texture, FO dictated by the dark bands that make up relict breccia matrix becoming near styolitic in texture, FO 35-40 degrees TCA, locally 0 degrees TCA @ 17.95 m.	FO	35															
									Wide Ca veins present intermittently in interval, 30-35 degrees TCA, parallel with FO. Ca crystals very coarse in size, up to several cm, possibly larger than HQ core barrel. Vein is white in colour, trace oxidation on a few fracture planes, fracturing blocky along crystal/cleavage planes	VN	35	0	1			t										
			27.04	28.74	1.70	LST		cBX	Light grey LST, weak cBX texture with a weak to moderate FO at 35 degrees TCA, dictated by narrow <1 mm medium-dark grey cBX matrix.	FO	35															
									Ca (Ca-Qz?) veinlets, <1 cm wide, 40 degrees TCA, 180 degrees to and crosscutting FO. Veinlets almost appear CBX in texture, very linear and angular in structure, sometimes propagating along earlier cBX fractures.	VN	40	180	3													
			28.74	31.98	3.24	LST		cBX	LST, variably deformed cBX texture, FO cryptic or absent.																	
									Narrow Ca veinlets <1 cm wide variably oriented from 0 to 70 degrees TCA , angle increasing with depth.	VN	35															

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			31.98	60.35	28.37	LST		fBX	Fault breccia LST, medium grey to dark grey angular clasts in light grey matrix, periodically consisting of fault rubble. Small, angular oxidized clasts, trace throughout but up to 3-5% from 40.00 to 43.59 m near Fe-Ca rich fBX. cBX from 45.65 to 46.80 m, "camo" LST 48.65 to 49.69 m. Rock becomes fBX in texture below, but lacking the small oxidized clasts as above.																	
								cBX																			
									Narrow, <2 mm Ca veinlets, 35 degrees TCA through upper, oxidized clast bearing fBX.	VN	35		3													
									Coarse Ca vein, 70 degrees TCA with some dark LST(?) bands appearing proximal to crystal faces (dissolution?)	VN	70		1													
			60.35	63.40	3.05	LST	FOS	MO	Medium to dark grey camo-mottled limestone with overprinting structurally deformed Ca veins. Coral stem fragments up to 2 cm in diameter and are moderately broken up.																	
			63.40	67.20	3.80	LST		MO	A strong FO defines the mottled texture.	FO	50															
			74.07	79.55	5.48	LST	RBL		The interval contains very rubbly and broken up camo mottled limestone. Begin to see Ca veins 0.5-1 cm thick cutting camo mottled limestone at 40 deg TCA.	VN	40		2													
			79.55	86.20	6.65	LST		FO	The limestone becomes strongly foliated with some reddish brown (hematite altered?) silty bands up to 1 cm thick within.	FO	70															
									Thin 0.5 cm Ca veins.	VN	40	0	1													
			86.20	104.51	18.31	LST	FOS	FO	The limestone becomes increasingly fossiliferous with 1-3 mm fossil fragments scattered throughout up to 20%. Swaley deformed interbands of darker grey limestone generally follow the FO.																	
									Foliation is well defined.	FO	60															
			93.88	99.97	6.09	LST	RBL		The limestone is strongly broken up in this interval. The breaks occur both along FO but also randomly forming limestone rubble. Silty horizons (30% of the interval overall) are interbedded within and are concordant to the dominant FO. The bands are light greyish brown and are very weakly oxidized or Fe-stained. The silty bands seem to be more easily deformed than the limestone which gives this zone of core a patchy appearance.	FO	70					t										
			99.97	103.75	3.78	LST			Slight increase in the amount of deformation effecting the LST. Also, there has been a gradational decrease in the concentration of silty horizons to 15%. 1-3 cm calcite patches that overprint the LST are deformed along FO plains.	FO	70															

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			103.75	104.51	0.76	LST	MBL	FO	Gradational upper contact into fairly to moderately marbleized limestone. The alteration appears to overprint the foliation and silty horizons seen in the limestone units above.									MBL	m								
									The FO is fairly strong at 5 deg to CA.	FO	65																
									1 cm Ca veins cut at 110 deg to the FO and occur roughly twice per metre.	VN	40	110	2														
									The lower contact is extremely rubbly (possible fault?) Exhibiting strong sericite alteration on the upper contact of the VOL.	lCN																	
104.51	131.77	27.26				VOL		FO	Dark greenish grey to black fine grained volcaniclastic with strong calcite veining and areas of magnetite pebble conglomerate. Magnetite is finely disseminated throughout, but is concentrated in some zones. Strong fracturing occurs along the FO with many of the fractures revealing moderately strong orangeish brown Fe- oxidation.	FO	45					w		SER	w	w							
									The FO is quite strong and defined by a high density of fractures in the core.	FO																	
			112.00	113.40	1.40	VOL	RBL		The VOL becomes moderately to intensely fractured along both the FO and within an area that has been intensely sericite altered to a light greyish green colour.	FO	55							SER	i								
			113.40	126.20	12.80	VOL	CGL	FO	Magnetite pebble conglomerate elongated along the FO. The VOL pebbles are strongly SER altered while the matrix is greenish grey with moderate to strong concentration of magnetite. The pebbles are 3-4 cm long, and only 1 cm wide. The are always elongated along the FO plain. The density of the pebbles is only 3-4 every metre. There is w-f sericite alteration of the interval.	FO	55							SER	w				Mg	m			
			126.20	128.66	2.46	VOL		AN	Dark green to black highly strained volcaniclastic with 0.5-1.5 cm oblong to circular augens with calcite pressure shadows indicating the direction of strain (sinestral). The augens are brownish orange in colour (Fe-alteration) and other patches similar in composition to the augens occur in up to 2 cm layers concordant to the FO at 45 deg TCA. The augens occur in densities of approximately 15 per metre.	FO	45												Mg	w			x
			128.66	131.77	3.11	VOL	SER	AN	Intensely sericite altered volcaniclastic with oxidized patches. The unit still contains augens, but they too have been strongly altered. 1 mm by 1 mm pits also occur that probably represent the location of pre-existing magnetite grains. The FO is strong at 55 deg to CA.	FO	55					f		SER	i								x

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, I = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
131.77	138.85	7.08				LST		cBX	Dark grey to grey-brown cBX with rusty white breccia clasts intermittent among oxidized fractures and BX matrix minerals. Qz-Ca (Dol?) vein, 2.5 cm wide, oriented 40 deg. TCA, mineralized with bands of Qz & rusty coloured CA growing perpendicular to vein walls.	VN	40					m											
138.85	167.03	28.18				LST	MBL		White to medium grey moderate to strongly marbleized LST with narrow dark bands throughout, weak to mod exsolution along fracture faces. Marbleization increases with depth. Strong FO, defined by banding in marble 40 deg TCA.	FO	40					m		MBL	m							
			148.65	154.10	5.45				Grey to orange blocky <1 cm FLT rubble.	FLT																	
			164.28	167.03	2.75	LST	MBL		Increase in oxidation on fractures. NOTE: there may be slight contamination of this sample from the row of extremely soupy oxide the is next to the one.							m		MBL	m							
167.03	171.60	4.57				OX	CLY		Very runny, soupy oxide, medium orange-brown in colour. Mainly clay type material with ~30% sandy grit. Does not fizz with 10% HCl. Recovery in the first run is quite bad, but improves past there.																		
171.60	179.22	7.62				LST	MBL		Strongly marbleized medium grey limestone 1-3 mm Ca veins cut at 20 deg. TCA. FO unrecognizable.									MBL	s							
			172.00	176.32	4.32	LST	BX		Oxidized LST, appears to be brecciated. Light brown grey clasts with irregular shapes in medium brown matrix. Elongate black mineral in matrix. Crinoids visible. BX broken by calcite VT with variable orientations.																		
			177.20	179.22	2.02	LST	MBL		Weakly to moderately Fe stained marbleized LST, also there are slightly pitted areas where acidic fluids have begun eroding the LST									MBL	s							
			177.90	179.22	1.32	LST	cBX		cBX of orange brown clasts by medium grey to brown crackle seams in moderate density.																	
179.22	192.18	12.96				OX	GRT		Medium to dark orange-brown oxide, mainly clay rich in composition with varying amounts of quartz and Ca sand sized grit. The majority of the oxide fizzes fairly to strongly with 10% HCl. Colour banding from medium grey brown to orange brown to red brown over ~ 1 cm thick intervals.																	
			181.90						Irregular Qz VT in intensely OX rock.	VT																
			185.00	187.00	2.00	OX	GRT		Zone of oxide with a particularly high concentration of Qz/Ca grit from sand sized up to 5 cm sized fragments. Oxide fizzes moderately in HCl.																	

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, I = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			188.00	189.00	1.00	LST	OX		The oxide in this interval contains 5 cm sections that are intensely oxidized grey limestone possible FO @ 50 deg. TCA. These fragments are slightly vuggy from acidic fluids.	FO	50																
192.18	197.51	5.33				LST	OX		Medium grey weakly to strongly oxidized limestone with 2 mm Ca veinlets cutting @ 40 deg. TCA. The FO in this area is not distinguishable. Oxidized mineral (Py?) associated with black stringers and disseminated. Entire interval fizzes intensely with 10% HCl. Upper contact is gradational in the amount of oxidation effecting the unit. Local dark brown layers 0.1 to 0.5 cm thick in orange brown OX.	VN	40					m											
197.51	236.78	39.27				OX	VOL		Mixed oxide with variation in colour from medium yellowish orange to orange red to brownish grey with occasional sericitic (yellow) flakes and fragments and patches representing the LEP unit.							i										
			202.00	206.65	4.65	OX	VOL		Green-brown to brown-red strongly clay altered and oxidized VOL.	FO	55					I										
			202.00	203.76	1.76	OX	LST		Green-brown incompetent clay and oxide alteration with orange oxide zones <1 cm in diameter. Fizzes moderately with 10% HCl.							m										
			203.76	204.15	0.39	OX	LST		Green-brown clay and oxide altered unit with increased competency compared to above unit. Fizzes with HCl.							m										
			204.15	204.85	0.70	OX			Red-brown with beige to red banding. Semi-competent clay to fragmental texture. Red oxidized clasts up to 0.5 cm in diameter in last 10 cm of interval. Fizzes with HCl.							i										
			204.85	206.65	1.80	OX	VOL		Brown to green-brown semi-competent clay and oxide altered VOL with light yellow zones in cohesive sections. Fizzes with HCl	FO	55					m										
			206.65	213.00	6.35	OX	LEP		Moderately competent green-gray zones with light yellow and green-black foliated banding, grades into zones of semi-competent brown-red to orange strongly oxidized LEP with banding locally visible. Clay to competent rock, fizzes.	FO	65					m										
			213.00	215.49	2.49	OX			Red-brown oxidized and clay altered incompetent clay to silt with <0.5 cm black clasts. Fizzes weakly							s										
			215.49	217.00	1.51	OX	VOL		Orange-red with brown-yellow banding/fingers. Clay to silt texture. Brown-red FG grains (siderite?) at 216.80 m. Cohesive clasts up to 1 cm diameter. Trace talc.							i										x

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			217.00	222.00	5.00	OX	VOL		Light yellow brown, grades into orange-brown with depth. Light silver gray (sericite?) cohesive foliated areas found in yellow altered zone. Orange-brown coating on deep red less cohesive rock apparently more oxidized variant of yellow rock.							i		SER	i									
			222.00	232.11	10.11	OX			Dark red-brown with orange-brown zones. Gritty rubble to solid core with dark red (siderite) pocky alteration. Increased clay content over 1 m at 228 m	FOL	75					i											x
			232.11	235.21	3.10	LEP	OX		Cohesive LEP, medium gray with white spots, alters to a light orange, makes up 1/2 the interval. Interspersed with highly clay altered moderately oxidized zones with grit to clay texture and white spotting on surface. OX banding follows FO.	FO	60					m											
			235.21	235.71	0.50	OX	VOL		Red-brown to dark red semi-coherent with vuggy texture due to preferential weathering. White yellow patches locally, appear to be SER.	FO	80					s											
			235.71	236.78	1.07	OX	VOL		Light red-brown clay to semi-coherent with flakeable sericite altered light silver gray zones at 236.58 m have 0.5 cm shale interbeds over 9 cm.	FO	75					m											
236.78	484.33	247.55				LST	DOL	cBX	Light to medium grey, fine grained, fizzes moderately when scratched, moderate to strongly dolomitized, with <0.5 cm dolomite crystals visible on dry surface. Crackle breccia covers most of interval and is composed of light grey clasts with dark grey crackle seams. Seam orientation appears to follow possible FO. Local dark grey clasts are cross-cut by crackle seams. Lower section of interval is ANK altered. Rare siltstone intervals <2 cm thick are found.	FO	70			ms	w												
									Interval displays predominant fracture angle. Many fractures display dark purple-brown hematite alteration.	FR	70																
									Calcite veinlets through interval, some with dark red-brown mineralization (sphalerite), slightly pitted (by acidic fluids).	VN	35		0.5											Sp	t	
									Sharp contact with fizzy red-brown clay above. Likely due to poor recovery. Very little oxidization of LST after contact.	uCN																
			247.65	248.35	0.70	LST	DOL		Weakly dolomite altered limestone, medium grey with calcite veinlets and small dolomite grains visible. Lower contact is grades back into strongly dolomitized cBX LST.					w												

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, I = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			301.54	313.00	11.46	LST	DOL	cBX	Medium blue-grey in zones lacking ANK alteration. Orange-beige in zones showing greater ANK alteration. Interval grades from moderately ANK altered to very weakly silica altered with increased Qz veining down interval. Ankerite altered zones have oxidation on broken surfaces and seams. Seams are less dense and thinner than in previous interval. 3 ~15 cm dark grey zones which are extremely hard and have sharp contacts with ankerite altered rock (silicified).					s	f	w		SIL	w									
									~4 cm thick siltstone beds and fragments in ANK altered zones. Possible bedding angle, may have been altered by stress.	BD	55																
									~1 cm thick Qz/Ca veins with mild oxidation along rims begin to occur @ 308.35 m at varying orientations. Density of 2/m	VN	40		2														
			312.00	312.35	0.35	LST	DOL	mBX	Medium grey angular clasts in white moderately fizzy matrix. Breccia overprinted by faint white-grey dotting (dolomite).					f														
			313.00	324.60	11.60	LST	DOL	cBX	Medium grey, fine grained, with dark grey seams and white to light grey (calcite) rimming some of the seams (may be styolitic remnants). Increased seam density in top 3 m of interval. Trace pyrite mineralization in seams, increasing down interval to strong pyrite in seams and along veinlets. 95% of the Py is FG, green-gold in colour. The other 5% of the Py is subhedral, medium grained, and bright gold in colour.	FO	40			s						w							x
			315.00	315.20	0.20	LST	DOL	sBX	Dark grey sub-rounded clasts <2 cm in diameter, in light grey matrix. Overprinting FG white spotted dolomite alteration.																		
			317.70	320.20	2.50	LST	DOL		Black FG siltstone layers up to 5 cm thick with FG light gold pyrite mineralization make up 2% of interval, and are concentrated in its last metre.										t								
			322.16	322.38	0.22	VOL			Light yellow beige foliated zone within DOL altered LST. Has pyrite mineralization at sharp contacts with LST, and following foliation. Pyrite is FG, and associated with grey-brown (biotite?) mineral. Qz/Ca veinlet cross-cuts upper contact.	lCN	65							SER	s	f							
			322.68	322.75	0.07				Small bed of siltstone altered orangey-brown with calcite clasts <1 cm in diameter. Sphalerite in Ca/Qz vug, and similarly coloured deep red bands in siltstone.	BD	45													Sp	t	
			322.88	322.90	0.02				Qz/Ca veinlet with subhedral bright gold FG pyrite in vein and surrounding wall rock. (Shows that pyrite was syn or post veining, not digenetic).	VN										w							

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			323.76	332.84	9.08				Green-gold FG pyrite is infilling crackle seams to a width of ~1 cm. Small black mineral associated. Oxidation of rims and offshoot seams. Seams further down the interval are weakly oxidized.											i							
			324.60	326.59	1.99	LST			Dark grey to light grey LST with dark seams visible in light grey zones. White grey veinlets compose ~2% of interval. FG to MG subhedral bright gold pyrite along seams, veinlets, and disseminated. Massive patches of Py at 324.65 m, 325.80 m, and 326.10 m are associated with trace amounts of a black elongate mineral.										m							x
									Qz/Ca veinlets with weak oxidation and small vugs go through centre of two Py patches. Very little pyrite contained in veins, large amount rimming them (x-cutting?).	VN	30								w							
			326.59	333.92	7.33	LST	DOL		Dark grey, very hard, fizzes when scratched, with dark grey stringers. Calcite veinlets throughout, forming crackle and mosaic brecciation in some areas. Some calcite veinlets have dark styolitic lineations down their centre. Zones with opaque sheen indicating strong silicification. Trace disseminated Py.					s				SIL	m	t							
			326.59	326.72	0.13	LST		mBX	Mosaic breccia with <5 cm diameter grey clasts in calcite matrix																	
			327.10	327.40	0.30	LST		mBX	Mosaic breccia with <5 cm diameter grey clasts in calcite matrix																	
			328.02	329.19	1.17				Grey-white Qz/Ca veins cross-cut Ca veinlets. ~1 cm thick.	VN	30															
			333.92	338.06	4.14	LST	DOL		Medium to dark grey, fizzes when scratched, with calcite veinlets forming mosaic breccia. Large zones of semi-massive pyrite associated with calcite veining from 334.3-335.6 m and 337.42-338.06 m. Pyrite is green-gold, DG to MG. Makes up 20% of total interval, and 70% of pyrite rich zones. MG calcite and dolomite crystals visible on fracture surface in Py rich zones.					s						i							x
			335.60	335.75	0.15	LST			Area rich in black organic looking stringers with green gold pyrite along rims. 40% of interval stringers, 10% of interval Py.										s							
			338.60	339.10	0.50	LST	DOL		Medium grey with white calcite forming breccia matrix. Clasts angular and medium grey ~2 cm in diameter. Subhedral to euhedral gold colour FG to MG Py following seams and disseminated.	FO	30			m						m							
									Qz/Ca vein ~1-2 cm thick with oxidation on rim. Significantly less Py in vein than in wall rock.	VN	35									t							

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, I = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			339.10	340.30	1.20	LST	DOL	sBX	Light grey subrounded clasts ~0.5 cm in diameter, in dark grey matrix which has stringer texture. Last 5 cm have black matrix with small rounded clasts (siltstone interbed?). Small white crystals overprint sBX (dolomitization). Py in wall rock near vein .											m			Sp	f			
			339.10	339.50	0.40				1-2 cm thick vein with low angle TCA, vuggy red brown stained calcite with elongate crystals filling void. Calcite rimmed by sphalerite, medium grained dark red and glassy. After sphalerite, wall rock has FD to MG bright gold pyrite disseminated in it semi-massively for up to 6 cm.	VN	10				m											
			340.30	347.75	7.45	LST	DOL		Medium to dark grey with light grey-white veinlets and patches. Hard, fizzes when scratched. Dark grey seams and stylolites relatively few. Mottled texture of light and dark grey patches. Fractures oxidized.					s														
									3 small Qz/ca veins with oxidized rims.	VN	40															
			340.70	340.84	0.14				Irregular Qz/Ca with very FG Py in wall rock (<1cm from vein), and seams connected to the vein	VN									f							
			347.75	350.04	2.29	LST	DOL		Dark grey, medium grey mottled. Calcite stringers and blebs, locally calcite outlines subangular breccia clasts. Fizzes when scratched, and is hard. Overprinting of calcite veins (dolomite). FG gold coloured Py disseminated locally thorough interval, possibly related to low angle Qz/Ca veins. Fractures are oxidized.					s					f								
									Undulating, very low angle TCA, Qz/Ca veins ~0.5 cm thick run though length of interval. Very FG bright gold pyrite rims vein ~2 cm out. Disseminated and low density of pyrite vs. wall rock (10% of rim area is Py). Veins are oxidized and slightly vuggy.	VN	0														
			350.04	355.68	5.64	LST	DOL		Dark grey with medium grey mottling. Calcite veinlets and blebs in a lower concentration then noted above. Overprinted (by dolomite?). Fractures more highly oxidized. Sparse Py mineralization near Qz/Ca veinlets and disseminated.					s					t								x
									Low angle and irregular Qz/Ca veins, highly oxidized, ~0.5 cm thick. Trace very FG gold coloured Py.	VN									t							

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, I = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			355.68	362.63	6.95	LST	DOL		Dark grey with thin black stringers in a low density. White grey calcite veinlets form matrix in local mosaic breccias. Hematite and oxide alteration on fracture surfaces. Top 3 m of interval are more intensely calcite veined and oxidized along veins and fractures, displaying weak ANK alteration, beige yellow in colour, and mottled dark to medium grey patches (dolomite alteration of part of the rock?). Mottling becomes less intense down interval. Last meter of interval has very broken core with oxidized rubble and mud.					ms	w												
			357.56	357.71	0.15	LST	DOL	mBX	Particularly ANK altered zone. ~4 cm thick mBX with medium grey ~0.5 cm diameter angular clasts in yellow orange matrix which fizzes when scratched (dolomite/ankerite). Followed by thin dolomite vein with ~1 cm thick oxide altered zone along rims. Oxidized zone contains MG light gold Py.	VN	35			ms	f	f				t							
			361.30	361.72	0.42	LST	DOL	mBX	Angular dark grey clasts up to 5 cm diameter in white matrix which fizzes when scratched (dolomite). Last 10 cm have greater matrix content and subrounded rotated clasts (tectonic breccia).					m													
									Qz/Dol/Ca veins ~1 cm thick, at various orientations, cross cut calcite veinlets. Slightly pitted and oxidized, some with hematite. Form breccia of host rock at 358.95.	VN			2						t							
			362.63	372.05	9.42	LST	DOL	mBX	Light grey to dark grey, variably brecciated zones. Generally dark to medium grey clasts found in light grey to white matrix. Strongly overprinted by dolomite. Some black layers with dull surface (organic rich) with very FG pyrite mineralization are found through interval. FG to MG bright gold pyrite following overprinted stylolites at 370.10 m and sparsely through remainder of interval.					s					w							
			371.00	372.05	1.05	LST	DOL		Last meter of previous interval is unbrecciated and very strongly dolomitized.					i												
									Qz/Dol/Ca veins with oxidized rims and limited Py mineralization in wall rock and veins is very FG to MG. One vein at very low angle TCA.	VN	35		1						w							
			372.05	375.25	3.20	DOL			Very course crystalline dolomite (up to 3 cm diameter), milky white to grey, with light orange alteration on fractures and crystal surfaces. very FG to MG disseminated to massive pyrite through interval, brass-gold colour. Black, yellow, and dark red sphalerite found in vugs, on fracture surfaces, and in solid core. Fuchsite forming radiating crystals on fracture surfaces. Vugs from 374.2-374.8 m.										i			Sp	t	Fu	t	

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, I = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other Type	Other Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Other Type	Other Intensity	Other Type	Other Intensity	
			373.74	374.09	0.35				Interval of massive pyrite.											i							
			375.25	389.72	14.47	LST	DOL	cBX	Dark to medium grey with white veinlets and blebs. Hard, fizzes when scratched. Lighter grey zones appear to be more strongly dolomitized. Pyrite mineralization is strongest near top of interval where it contacts dolomite. After first meter have sparse pyrite mineralization. Py is FG to MG brass-gold to bright-gold, disseminated and following seams, subhedral to euhedral. Breccia typically medium grey clasts with dark grey-black crackle breccia matrix with dull surface (organic rich).					s						m							
			382.40	383.10	0.70	LST	DOL	tBX	<0.5 cm thick white to dark grey banding with <2 cm wide tectonically brecciated zones with dark grey clasts in a white matrix which fizzes when scratched (dolomite). Banding may be marking foliation. Banding cut by Qz/Dol veinlet.	FO	70			s													x
									Qz/Dol veins with common orientation and trace very FG to FG Py. At 280.40 m, a 2 cm thick vein with siderite alteration occurs.	VN	35		1				w			t							
			383.10	390.05	6.95	DOL			15 cm thick dolomite vein with MG crystals altered along crystal faces and fractures to siderite. Weak ankerite alteration of crystals. Weak pyrite mineralization in vein, but very strongly pyritized along margins to a width of 5 cm. Py is FG to MG bright gold. Pyrite sheen covers siderite alteration on fractured surface.	VN	30				w		w									
			390.05	425.25	35.20	LST	DOL	cBX	Medium to dark grey, hard, fizzes when scratched. Dark grey/ black crackle seams brecciate the rock through most of the interval. High density of crackle seams, some styolitic. Some intervals of dark grey clasts brecciated by light grey/white matrix which fizzes when scratched (dolomite). Entire interval is DOL altered/overprinted with small white dotted texture. Siderite and oxide alteration on fractures and in veins. Ankerite alteration in parts. Small patches of disseminated Py, FG to MG brassy gold. Rubble occurs at 424.40 m.	FO	30			s	w	w	w	SIL	m	w						x
									Vein set with very low angle TCA, up to 30 degrees. Dolomite veins, some completely altered to siderite, or with combinations of siderite, dolomite, and ankerite. Up to 3 cm thick and slightly vuggy.	VN	10														
			392.98	393.13	0.15	DOL		mBX	Coarse crystalline (~1 cm diameter) DOL, brecciated in last 10 cm by black matrix with dull surface (organic rich).																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, I = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			419.42	420.30	0.88	DOL	LST		Pure dolomite vein and patches with ankerite grade into intensely DOL altered LST. Green gold, MG Py , some of which appears to be replacing DOL crystals. Qz rich veinlets and blebs in interval.	VT			4	i						f							
			432.57	433.79	1.22				2-3 cm vein. DOL with Ak along rims and in veinlets and breccia matrix. Siderite on cracks and vug or fracture surfaces. Sphalerite is very FG in solid core to mg in vugs. Vein brecciates wall rock into subangular mosaic breccia for about 6cm from vein on one side of vein only (top when vein is pointing up hole).	VT	10											Sp	m		
			425.23	431.18	5.95	DOL	LST		Coarse crystalline (~1cm diameter) DOL, with intervals of strongly dolomitized cBX LST. Dolomite is white-grey with light orange alteration along crystal contacts and fractures. Also have medium grey to black styolitic seams which form matrix of cBX described below. 3-5 cm wide silicified patches. Py is FG to very CG, subhedral to euhedral, brassy gold, disseminated and patchy. Lower contact is Py rich.											f							
			430.28	430.99	0.71	DOL		cBX	Black dull looking crackle seams form matrix of cBX with dolomite crystals as angular, ~1 cm diameter clasts.											f							
			431.18	434.70	3.52	LST	SIL	cBX	Dark grey very hard with Qz dolomite veining and blebs. Black stringers form breccia, with Qz overprinting (veins cut it, blebs obscure it). Lower contact grades and interzones with strongly dolomitized cBX LST. Py brassy to green gold disseminated, patchy, FG to MG.	FO	35			m				SIL	s	w							
			434.70	445.69	10.99	LST	DOL	cBX	Blue grey to buff-grey with dark grey densely spaced crackle seams. Some brecciated zones, separated by unbrecciated but highly seamed areas. Hard, and fizzes when scratched. Small (5 cm) silicified patches. Py MG to very CG, light gold, associated with veinlets and disseminated.					i				SIL	m	f			Sp	t		
			443.68	443.93	0.25	LST	DOL	mBX	0.5 cm diameter, medium grey clasts in white-grey dolomite matrix.																	
			445.69	473.07	27.38	LST	DOL	cBX	Medium blue-grey with dark grey crackle seams in a high density. Hard, fizzes when scratched. Largely crackle brecciated, with zones where seams follow possible foliation. Un-brecciated zones appear more strongly dolomite altered, with small white spotting and a faint buff colour. Py is very FG to CG, brassy to bright gold, anhedral to euhedral, in patches. Py mineralization intensifies from 455.37 m down interval. FG red Sp on fracture surfaces, in veinlets, and disseminated.	FO	55			s				SIL	w	f			Sp	t		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, I = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									Dolomite veining with common orientation. 0.5 to 3 cm thick with sparry texture, up to MG dolomite, and yellow-white mica and clay in vugs and along fractures.	VT	50															
			448.40	459.40	11.00				Intensification of sparry texture of dolomite veins with yellow white mica and clay associated. Locally altered to sugary texture. Proximal to possible fault.																	
			456.70	458.21	1.51				Very broken core, possible fault. 0.5 cm to 5 cm diameter pieces. Rock unaltered (no clay, ect.). Some host rock well on its way to gouge (very FG)	FLT																
			458.21	460.15	1.94				Very low angle TCA Qz/DOL vein with pyrite mineralization, MG to CG, subhedral to euhedral, with rare dodecahedrons, brassy gold colour. Several large (0.5cm) sphalerite crystals, honey coloured proximal to proposed fault. Very vuggy.	VN										m			Sp	t			
			461.06	461.40	0.34				Low angle TCA Qz-DOL vein, 4 cm thick, with FG to MG euhedral Py, and trace Bi and Sp.	VT	15									f			Sp	t	Bs	t	
			463.00	465.65	2.65				Qz/ Dol irregular veining at low angle TCA which offshoots into veinlets following foliation angle. Up to 5 cm thick, with associated Py and Sp. Sp is dark red, and FG. Py is very FG to CG, bright gold, subhedral to euhedral. Rare dodecahedral Py crystals on fracture surfaces.	VT			2							f			Sp	t			
			468.00	468.45	0.45				Mud fell into the hole. Interval not sampled.																	
			470.50	471.45	0.95				Low angle TCA, undulating, ~6 cm thick Qz/Dol veinlet. Py FG to MG euhedral, bright gold. Trace honey coloured Sp.	VT													Sp	t			
			473.07	484.33	11.26	LST	SIL		Dark grey, FG, very hard, fizzes slightly without being scratched. High density of light grey-white veinlets which fizz when scratched (Dol). Form breccia's locally. Py is disseminated, following fracture orientation in some areas, FG to CG, brassy gold, sub to euhedral, with dodecahedral crystal shape in some areas.						w				SIL	ms	m							
			476.10	476.64	0.54				Dolomite vein with yellow-white mica altering to clay. Trace red Sp. Py mainly in surrounding wall rock, trace in vein.	VN	25									t							x
			481.00	484.33	3.33			mBX	Veinlets of DOL brecciate dark grey sub-angular 0.1-4 cm diameter clasts. Mosaic to crackle breccia. Overall half of the interval is brecciated.																		
									E.O.H. 484.33 - The hole was ended because it had passed the fault and was therefore past its targeted depth.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-09-74

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
159.91	162.41	2.50	LST	MBL	2.03	81	I074894	11	0.03	0.10	200	0.46	
162.41	164.28	1.87	LST	MBL	1.49	80	I074895	11	0.03	0.15	188	0.25	
164.28	167.03	2.75	LST	MBL	0.95	35	I074896	11	0.11	0.60	394	4.52	
167.03	168.55	1.52	OX		0.18	12	I074897	12	0.15	2.40	4570	53.00	
168.55	170.08	1.53	OX		1.42	93	I074898	12	0.57	5.11	7440	131.00	
170.08	171.60	1.52	OX		1.00	66	I074899	12	0.67	6.61	13300	221.00	
171.60	174.65	3.05	LST	MBL	0.50	16	I074900	12	0.07	0.37	423	4.60	
174.65	177.20	2.55	LST	MBL	1.14	45	I074901	12	0.05	0.15	249	2.92	
177.20	179.22	2.02	LST	MBL	1.55	77	I074902	12	0.09	0.39	888	6.50	
179.22	182.27	3.05	OX		2.00	66	I074903	12	0.63	23.30	7300	346.00	
182.27	183.79	1.52	OX		0.73	48	I074905	12	0.63	2.27	11900	210.00	
183.79	185.32	1.53	OX		0.54	35	I074906	12	0.11	2.71	4950	19.90	
185.32	186.84	1.52	OX		0.41	27	I074907	12	0.11	3.01	6260	12.85	
186.84	188.37	1.53	OX		0.92	60	I074908	12	0.14	1.52	7150	12.65	
188.37	189.90	1.53	OX		0.78	51	I074909	12	0.14	1.37	6110	13.80	
189.90	192.18	2.28	OX		0.57	25	I074910	12	0.29	7.45	9570	91.20	
192.18	192.94	0.76	LST	OX	0.37	49	I074911	12	0.06	0.93	3050	5.47	
192.94	194.16	1.22	LST	OX	0.38	31	I074913	12	0.06	0.40	2930	6.35	
194.16	195.83	1.67	LST	OX	0.37	22	I074914	12	0.07	0.78	1280	7.15	
195.83	197.51	1.68	LST	OX	0.34	20	I074915	12	0.12	0.88	1490	9.72	
197.51	199.03	1.52	OX	VOL	0.39	26	I074916	12	0.32	1.02	4790	12.55	
199.03	200.25	1.22	OX	VOL	0.60	49	I074917	12	0.08	0.45	3260	1.48	
200.25	201.78	1.53	OX	VOL	0.36	24	I074918	12	0.02	19.10	2580	1.40	
201.78	203.30	1.52	OX	VOL	0.98	64	I074920	12	0.25	6280.00	758	1.29	
203.30	203.76	0.46	OX	VOL	0.28	61	I074921	12	0.03	33.90	684	1.36	
203.76	205.13	1.37	OX	VOL	0.82	60	I074922	12	0.01	3.78	648	0.86	
205.13	206.65	1.52	OX	VOL	1.32	87	I074923	12	0.02	1.07	914	0.53	
206.65	208.18	1.53	OX	VOL	1.18	77	I074924	12	0.07	3.38	646	1.31	
208.18	209.70	1.52	OX	VOL	1.19	78	I074925	12	0.01	2.50	608	0.28	
209.70	211.23	1.53	OX	VOL	1.20	78	I074926	12	0.01	4.64	533	0.80	
211.23	212.75	1.52	OX	VOL	1.49	98	I074927	12	0.03	6.68	723	0.33	
212.75	213.97	1.22	OX	VOL	1.09	89	I074928	12	0.03	3.83	752	0.73	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
213.97	215.49	1.52	OX	VOL	0.72	47	I074930	12	<0.01	4.35	2330	1.43	
215.49	215.80	0.31	OX	VOL	0.30	97	I074932	12	<0.01	0.89	2590	5.06	
215.80	217.32	1.52	OX	VOL	1.46	96	I074933	13	0.01	1.88	1530	32.00	
217.32	218.85	1.53	OX	VOL	0.91	59	I074934	13	0.02	0.68	1345	3.76	
218.85	220.37	1.52	OX	VOL	0.90	59	I074935	13	0.02	3.04	1935	8.17	
220.37	221.59	1.22	OX	VOL	0.35	29	I074937	13	0.02	4.64	3240	43.30	
221.59	223.11	1.52	OX	VOL	0.35	23	I074938	13	0.21	14.70	9020	733.00	
223.11	224.03	0.92	OX	VOL	0.16	17	I074939	13	0.06	15.75	12000	611.00	
224.03	226.01	1.98	OX	VOL	0.34	17	I074940	13	0.21	22.00	12550	259.00	
226.01	227.08	1.07	OX	VOL	0.33	31	I074941	13	0.02	10.05	12700	6.26	
227.08	228.30	1.22	OX	VOL	0.84	69	I074942	13	0.01	1.69	8510	2.98	
227.08	228.30	1.22	OX	VOL	0.84	69	I074943	13	0.01	1.51	8510	1.75	
228.30	229.06	0.76	OX	VOL	0.76	100	I074944	13	0.01	11.30	3800	12.50	
229.06	230.73	1.67	OX	VOL	0.90	54	I074945	13	0.02	61.90	3860	16.95	
230.73	232.11	1.38	OX	VOL	0.33	24	I074947	13	0.01	0.81	3800	0.18	
232.11	233.17	1.06	OX	VOL	0.97	92	I074948	13	0.02	0.68	191	0.36	
233.17	234.70	1.53	OX	VOL	1.22	80	I074949	13	0.02	0.58	262	0.23	
234.70	235.61	0.91	OX	VOL	0.61	67	I074950	13	<0.01	0.44	144	0.06	
235.61	236.78	1.17	OX	VOL	0.76	65	I074952	13	0.07	0.39	788	4.41	
236.78	238.66	1.88	LST	DOL	1.88	100	I074953	13	0.01	0.04	21	0.21	
238.66	240.80	2.14	LST	DOL	1.47	69	I074954	13	<0.01	0.04	21	0.24	
295.05	298.09	3.04	LST	DOL	2.81	92	I075000	14	<0.01	0.23	100	2.06	BREAK IN SEQUENCE
298.09	301.14	3.05	LST	DOL	2.48	81	I075001	14	<0.01	0.30	54	0.98	
301.14	302.67	1.53	LST	DOL	1.30	85	I075002	14	<0.01	0.63	496	3.03	
302.67	305.71	3.04	LST	DOL	2.66	88	I075003	14	<0.01	0.29	493	2.59	
305.71	308.76	3.05	LST	DOL	2.99	98	I075004	14	<0.01	0.05	28	0.31	
308.76	310.61	1.85	LST	DOL	1.85	100	I075005	15	0.02	0.02	12	0.21	
310.61	313.00	2.39	LST	DOL	2.35	98	I075006	15	0.01	0.04	15	0.97	
313.00	316.00	3.00	LST	DOL	2.81	94	I075007	15	0.01	0.02	<5	0.15	
316.00	319.00	3.00	LST	DOL	2.92	97	I075008	15	0.01	0.05	<5	0.31	
319.00	322.00	3.00	LST	DOL	2.84	95	I075009	15	0.03	0.35	20	3.92	
322.00	324.60	2.60	LST	DOL	2.59	100	I075010	15	0.08	0.11	120	7.10	
324.60	326.59	1.99	LST	DOL	1.99	100	I075012	15	0.04	0.25	125	3.58	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
326.59	329.00	2.41	LST	DOL	2.41	100	I075013	15	<0.01	0.04	11	0.39	
329.00	331.00	2.00	LST	DOL	2.00	100	I075014	15	<0.01	0.04	8	0.26	
331.00	333.92	2.92	LST	DOL	2.74	94	I075015	15	<0.01	0.03	<5	0.18	
333.92	336.19	2.27	LST	DOL	2.08	92	I075016	15	0.03	2.08	607	264.00	
336.19	338.06	1.87	LST	DOL	1.20	64	I075017	15	0.02	9.74	945	51.60	
338.06	340.30	2.24	LST	DOL	2.19	98	I075019	15	0.02	10.20	155	34.60	
340.30	343.00	2.70	LST	DOL	2.69	100	I075020	15	<0.01	0.07	10	0.64	
343.00	346.00	3.00	LST	DOL	2.99	100	I075021	15	<0.01	0.09	5	1.15	
346.00	347.75	1.75	LST	DOL	1.63	93	I075022	15	<0.01	0.09	14	1.19	
347.75	350.04	2.29	LST	DOL	2.27	99	I075023	15	0.01	0.26	134	2.20	
350.04	352.96	2.92	LST	DOL	2.86	98	I075024	15	<0.01	0.26	23	1.72	
352.96	356.01	3.05	LST	DOL	3.01	99	I075025	15	0.01	0.42	27	3.10	
356.01	359.05	3.04	LST	DOL	2.95	97	I075026	15	<0.01	0.24	21	0.96	
359.05	362.10	3.05	LST	DOL	2.93	96	I075027	15	<0.01	0.04	10	0.85	
362.10	363.63	1.53	LST	DOL	1.53	100	I075028	15	<0.01	0.07	9	0.58	
363.63	366.67	3.04	LST	DOL	2.89	95	I075029	15	0.01	0.12	43	3.53	
366.67	369.72	3.05	LST	DOL	3.05	100	I075031	15	0.01	0.11	69	2.33	
369.72	372.05	2.33	LST	DOL	2.31	99	I075032	15	<0.01	0.11	21	1.71	
372.05	373.59	1.54	LST	DOL	1.53	99	I075033	15	0.02	0.69	216	40.40	
373.59	375.25	1.66	LST	DOL	1.57	95	I075035	15	0.04	12.15	1020	172.00	
375.25	378.00	2.75	LST	DOL	2.74	100	I075036	15	0.01	0.30	108	7.16	
378.00	381.00	3.00	LST	DOL	2.84	95	I075037	15	<0.01	0.14	36	1.45	
381.00	384.00	3.00	LST	DOL	3.00	100	I075039	15	0.01	0.07	<5	1.36	
384.00	387.00	3.00	LST	DOL	2.93	98	I075040	15	<0.01	0.16	15	2.07	
387.00	389.72	2.72	LST	DOL	2.72	100	I075041	16	0.01	0.11	15	0.98	
389.72	391.08	1.36	LST	DOL	1.30	96	I075063	16	0.01	0.46	104	3.95	BREAK IN SEQUENCE
391.08	394.11	3.03	LST	DOL	3.02	100	I075064	16	0.01	0.11	25	0.51	
394.11	397.15	3.04	LST	DOL	3.00	99	I075065	16	0.01	0.61	76	3.01	
397.15	400.20	3.05	LST	DOL	2.60	85	I075066	16	<0.01	0.25	32	1.22	
422.57	425.25	2.68	LST	DOL	2.50	93	I075067	16	<0.01	1.14	61	1.63	
425.25	428.25	3.00	LST	DOL	3.00	100	I075068	16	<0.01	3.76	64	20.60	
428.25	431.18	2.93	LST	DOL	2.93	100	I075069	16	0.03	12.75	319	39.40	
431.18	434.00	2.82	LST	DOL	2.75	98	I075071	16	0.01	1.06	44	3.17	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
443.52	445.00	1.48	LST	DOL	1.48	100	I075073	16	<0.01	1.52	32	16.25	
445.00	448.00	3.00	LST	DOL	2.92	97	I075107	17	<0.01	0.14	9	0.25	BREAK IN SEQUENCE
448.00	450.00	2.00	LST	DOL	2.00	100	I075108	17	<0.01	0.10	7	0.17	
450.00	452.02	2.02	LST	DOL	1.57	78	I075109	17	<0.01	0.05	8	0.12	
452.02	454.11	2.09	LST	DOL	2.03	97	I075110	17	<0.01	0.06	<5	0.73	
454.11	456.70	2.59	LST	DOL	2.12	82	I075111	17	0.01	0.60	91	5.90	
456.70	458.21	1.51	LST	DOL	0.59	39	I075112	17	0.01	0.16	24	0.95	
458.21	461.16	2.95	LST	DOL	2.37	80	I075113	18	0.01	1.57	389	101.50	
461.16	464.21	3.05	LST	DOL	2.71	89	I075115	18	<0.01	0.28	97	74.60	
464.21	466.00	1.79	LST	DOL	1.79	100	I075116	18	<0.01	0.11	7	1.32	
466.00	468.00	2.00	LST	DOL	1.61	81	I075117	18	0.01	1.20	80	17.35	
468.45	470.00	1.55	LST	DOL	1.45	94	I075118	18	0.02	2.95	426	40.10	
470.00	473.00	3.00	LST	DOL	2.96	99	I075119	18	0.01	0.61	126	48.60	
473.00	476.00	3.00	LST	DOL	2.63	88	I075120	18	<0.01	0.31	35	2.74	
476.00	479.00	3.00	LST	DOL	3.00	100	I075121	18	<0.01	0.14	20	3.80	
479.00	482.00	3.00	LST	DOL	2.92	97	I075122	18	<0.01	0.11	28	0.82	
482.00	484.33	2.33	LST	DOL	2.12	91	I075124	18	0.02	0.19	96	6.36	
-	-	-	-	-	-	-	I074904	12	<0.01	0.02	24	0.19	BLANK (NQ)
-	-	-	-	-	-	-	I074912	12	0.40	7.28	10	1.32	STANDARD ROS-1
-	-	-	-	-	-	-	I074919	12	8.76	22.10	9	1.06	STANDARD ROS-2
212.75	213.97	1.22	OX	VOL	1.09	89	I074929	12	0.02	4.23	691	0.80	DUPLICATE
-	-	-	-	-	-	-	I074931	12	0.06	0.06	<5	0.03	BLANK (NQ)
-	-	-	-	-	-	-	I074936	13	0.01	0.01	11	0.08	BLANK (NQ)
-	-	-	-	-	-	-	I074946	13	<0.01	0.11	11	0.10	BLANK (NQ)
-	-	-	-	-	-	-	I074951	13	1.37	0.54	67	1.09	STANDARD ROS-2
-	-	-	-	-	-	-	I075011	15	2.06	0.29	28300	257.00	STANDARD RSS-6
-	-	-	-	-	-	-	I075018	15	<0.01	0.02	<5	0.27	BLANK (NQ)
-	-	-	-	-	-	-	I075030	15	0.46	1.53	4980	65.10	STANDARD RSS-5
-	-	-	-	-	-	-	I075034	15	<0.01	0.01	<5	0.10	BLANK (NQ)
378.00	381.00	3.00	LST	DOL	2.84	95	I075038	15	0.01	0.12	33	1.72	DUPLICATE
-	-	-	-	-	-	-	I075070	16	2.26	1.07	1700	99.00	STANDARD RESS-8
-	-	-	-	-	-	-	I075072	16	0.01	0.02	<5	0.08	BLANK (NQ)

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
-	-	-	-	-	-	-	I075114	18	<0.01	0.01	<5	0.17	BLANK (NQ)
-	-	-	-	-	-	-	I075123	18	4.12	0.25	64500	236.00	STANDARD RSS-7

GEOTECHNICAL LOG

HOLE: Rau-09-74

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
0.98	2.44	1.46	1.40	96	0.60	41	MS	FR		
2.44	3.96	1.52	1.34	88	0.52	34	MS	FR		
3.96	5.49	1.53	1.23	80	0.21	14	MS	FR		
5.49	7.01	1.52	1.12	74	0.25	16	MS	FR		
7.01	8.53	1.52	1.18	78	0.11	7	MS	FR		
8.53	10.06	1.53	1.29	84	0.67	44	MS	FR		
10.06	11.58	1.52	1.16	76	0.65	43	MS	FR		
11.58	13.11	1.53	1.33	87	1.01	66	MS	FR		
13.11	14.63	1.52	1.35	89	0.84	55	S	FR		
14.63	16.15	1.52	1.52	100	1.20	79	MS	FR		
16.15	17.68	1.53	1.30	85	0.59	39	S	FR		
17.68	19.20	1.52	1.28	84	1.13	74	MS	FR		
19.20	20.73	1.53	0.43	28	0.11	7	W	FR		
20.73	22.25	1.52	0.63	41	0.59	39	MS	FR		
22.25	23.77	1.52	1.52	100	0.53	35	MS	FR		
23.77	25.30	1.53	1.25	82	0.38	25	MS	FR		
25.30	26.36	1.06	1.00	94	0.54	51	MS	FR		
26.36	27.89	1.53	0.99	65	0.60	39	MS	FR		
27.89	29.26	1.37	1.33	97	0.89	65	MS	FR		
29.26	30.18	0.92	0.88	96	0.49	53	S	FR		
30.18	31.39	1.21	1.02	84	0.63	52	MS	FR		
31.39	32.78	1.39	1.39	100	0.75	54	MS	FR		
32.78	34.44	1.66	0.54	33	0.78	47	MS	FR		
34.44	36.12	1.68	1.40	83	0.75	45	MS	FR		
36.12	37.49	1.37	1.10	80	0.32	23	MS	FR		
37.49	39.01	1.52	1.34	88	1.01	66	MS	SW		
39.01	40.54	1.53	1.20	78	1.03	67	S	SW		
40.54	42.06	1.52	1.39	91	1.25	82	MS	FR		
42.06	43.59	1.53	1.38	90	0.87	57	MS	FR		
43.59	45.42	1.83	1.31	72	0.47	26	MS	FR		
45.42	46.33	0.91	0.84	92	0.00	0	MS	FR		
46.33	48.46	2.13	1.42	67	0.39	18	MS	FR		
48.46	49.68	1.22	1.15	94	0.69	57	MS	FR		
49.68	51.21	1.53	1.28	84	0.64	42	MS	FR		
51.21	52.73	1.52	1.36	89	0.96	63	MS	FR		
52.73	54.25	1.52	1.45	95	0.86	57	MS	FR		
54.25	55.78	1.53	1.35	88	0.57	37	MS	FR		
55.78	57.30	1.52	1.35	89	0.45	30	MS	FR		
57.30	58.83	1.53	1.53	100	0.91	59	MS	FR		
58.83	60.35	1.52	1.42	93	0.65	43	MS	FR		
60.35	61.87	1.52	1.25	82	0.38	25	MS	FR		
61.87	63.40	1.53	1.30	85	0.10	7	MS	FR		
63.40	64.92	1.52	0.88	58	0.24	16	MS	FR		
64.92	66.45	1.53	1.25	82	0.12	8	MS	FR		
66.45	67.97	1.52	1.32	87	0.23	15	S	FR		
67.97	69.49	1.52	1.29	85	0.58	38	MS	FR		
69.49	71.02	1.53	1.31	86	0.23	15	MS	FR		
71.02	72.54	1.52	1.20	79	0.66	43	MS	FR		
72.54	74.07	1.53	1.24	81	0.32	21	MS	FR		
74.07	75.59	1.52	1.15	76	0.40	26	W	FR		
75.59	77.11	1.52	1.40	92	0.56	37	MS	FR		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
77.11	78.64	1.53	0.75	49	0.28	18	MS	FR		
78.64	79.55	0.91	0.65	71	0.00	0	W	FR		
79.55	80.92	1.37	1.30	95	0.50	36	MS	FR		
80.92	81.99	1.07	0.98	92	0.32	30	MS	FR		
81.99	83.21	1.22	1.12	92	0.14	11	MS	FR		
83.21	85.19	1.98	1.40	71	0.00	0	W	FR		
85.19	86.26	1.07	0.90	84	0.00	0	W	SW		
86.26	87.78	1.52	1.38	91	1.00	66	W	SW		
87.78	89.31	1.53	1.35	88	0.21	14		SW		
89.31	91.14	1.83	1.14	62	0.26	14	VS	SW		
91.14	92.35	1.21	0.88	73	0.23	19	MS	SW		
92.35	93.88	1.53	1.43	93	1.11	73	MS	SW		
93.88	95.40	1.52	1.25	82	0.00	0	W	MW		
95.40	96.93	1.53	1.01	66	0.00	0	W	MW		
96.93	98.45	1.52	1.00	66	0.00	0	MS	MW		
98.45	99.97	1.52	1.34	88	0.16	11	W	MW		
99.97	101.50	1.53	1.27	83	0.69	45	MS	SW		
101.50	103.02	1.52	1.42	93	0.36	24	MS	SW		
103.02	104.55	1.53	1.03	67	0.13	8	MS	SW		
104.55	106.07	1.52	1.42	93	0.49	32	MS	MW		
106.07	107.59	1.52	1.32	87	0.30	20	W	SW		
107.59	109.12	1.53	1.14	75	0.11	7	MS	SW		
109.12	110.64	1.52	1.40	92	0.00	0	W	MW		
110.64	112.17	1.53	1.37	90	0.40	26	MS	MW		
112.17	113.69	1.52	1.05	69	0.00	0	W	MW		
113.69	115.21	1.52	1.25	82	0.00	0	W	MW		
115.21	116.74	1.53	1.03	67	0.00	0	MS	MW		
116.74	118.26	1.52	1.24	82	0.00	0	W	MW		
118.26	119.79	1.53	1.30	85	0.11	7	MS	SW		
119.79	120.55	0.76	0.76	100	0.27	36	MS	SW		
120.55	121.62	1.07	0.65	61	0.00	0	W	MW		
121.62	122.53	0.91	0.81	89	0.00	0	W	MW		
122.53	124.05	1.52	1.12	74	0.00	0	MS	MW		
124.05	125.58	1.53	1.31	86	0.14	9	MS	MW		
125.58	127.25	1.67	1.45	87	0.22	13	MS	MW		
127.25	128.78	1.53	1.15	75	0.45	29	MS	MW		
128.78	131.67	2.89	1.55	54	0.00	0	W	HW		
131.67	133.35	1.68	1.32	79	1.06	63	MS	SW		
133.35	134.87	1.52	1.30	86	1.15	76	MS	SW		
134.87	136.55	1.68	1.52	90	1.05	62	MS	SW		
136.55	138.07	1.52	1.52	100	1.30	86	MS	SW		
138.07	139.60	1.53	1.50	98	1.06	69	MS	SW		
139.60	141.12	1.52	1.28	84	0.15	10	MS	SW		
141.12	142.34	1.22	1.08	89	0.22	18	MS	SW		
142.34	144.17	1.83	1.37	75	0.30	16	MS	SW		
144.17	145.69	1.52	1.24	82	0.82	54	H	SW		
145.69	147.03	1.34	0.86	64	0.00	0	MS	MW		
147.03	148.74	1.71	1.02	60	0.00	0	MS	MW		
148.74	150.27	1.53	1.22	80	0.30	20	MS	SW		
150.27	151.79	1.52	1.03	68	0.00	0	H	SW		
151.79	153.31	1.52	1.10	72	0.00	0	H	MW		
153.31	154.84	1.53	1.53	100	0.18	12	H	MW		
154.84	156.56	1.72	1.38	80	0.79	46	H	SW		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
156.56	157.89	1.33	1.33	100	1.11	83	H	SW		
157.89	159.41	1.52	1.21	80	0.81	53	H	SW		
159.41	160.93	1.52	0.97	64	0.50	33	MS	SW		
160.93	162.46	1.53	1.09	71	0.64	42	MS	SW		
162.46	163.98	1.52	1.18	78	0.99	65	H	SW		
163.98	165.51	1.53	0.82	54	0.16	10	H	SW		
165.51	167.03	1.52	0.25	16	0.00	0	S	HW		
167.03	168.55	1.52	0.10	7	0.00	0	W	EW		
168.55	170.08	1.53	0.25	16	0.00	0	EW	EW	7.5YR 4/6	
170.08	171.60	1.52	0.10	7	0.00	0	EW	EW	10YR 4/6	
171.60	174.64	3.04	1.10	36	0.00	0	MS	SW	10YR 4/6	
174.64	176.17	1.53	0.85	56	0.00	0	H	W	10YR 4/6	
176.17	177.70	1.53	0.49	32	0.35	23	MS	EW	10YR 4/6 5YR 4/6	
177.70	179.22	1.52	0.25	16	0.00	0	EW	EW		
179.22	180.75	1.53	1.08	71	0.57	37	EW	EW		
180.75	182.27	1.52	1.25	82	0.97	64	EW	EW		
182.27	183.79	1.52	1.13	74	0.00	0	EW	EW		
183.79	185.32	1.53	0.84	55	0.00	0	EW	EW	7.5YR 4/6	
185.32	186.84	1.52	0.73	48	0.00	0	EW	EW	5YR 4/6	
186.84	188.37	1.53	0.50	33	0.00	0	EW	EW	5YR 4/6	
188.37	189.90	1.53	0.35	23	0.00	0	EW	EW	5YR 4/6	
189.90	192.18	2.28	0.97	43	0.00	0	EW	EW	5YR 4/6	
192.18	192.94	0.76	0.67	88	0.00	0	EW	EW	7.5YR 4/6	
192.94	194.16	1.22	0.63	52	0.00	0	EW	EW	7.5YR 6/8	
194.16	195.83	1.67	0.34	20	0.00	0	EW	EW	7.5YR 5/8	
195.83	197.51	1.68	0.76	45	0.00	0	EW	EW	7.5YR6/8	
197.51	199.03	1.52	0.31	20	0.00	0	EW	EW	7.5YR 5/8	
199.03	200.25	1.22	0.36	30	0.00	0	EW	EW	7.5YR 6/8	
200.25	201.78	1.53	0.54	35	0.00	0	EW	EW	7.5YR 6/8	
201.78	203.30	1.52	0.35	23	0.00	0	EW	EW	7.5YR 5/8	
203.30	203.76	0.46	0.46	100	0.00	0	EW	EW	10YR 5/4	
203.76	205.13	1.37	0.12	9	0.00	0	EW	EW	10YR 5/3	
205.13	206.65	1.52	1.52	100	0.00	0	EW	EW	2.5YR 5/2 5YR 5/6	
206.65	208.18	1.53	1.36	89	0.00	0	EW	EW	2.5YR 5/2	
208.18	209.70	1.52	1.13	74	0.00	0	EW	EW	7.5YR 4/6	
209.70	211.23	1.53	1.35	88	0.00	0	EW	EW	5YR 5/6 2.5YR 2/4	
211.23	212.75	1.52	1.21	80	0.00	0	EW	EW	7.5YR 5/8	
212.75	213.97	1.22	1.22	100	0.00	0	EW	EW	7.5YR 5/3 7.5YR 5/8	
213.97	215.49	1.52	1.22	80	0.00	0	EW	EW	7.5YR 6/8	
215.49	215.80	0.31	0.31	100	0.00	0	EW	EW	2.5YR 8/6	
215.80	217.32	1.52	1.46	96	0.00	0		EW	10YR 5/6	
217.32	218.85	1.53	0.98	64	0.00	0		EW	10YR 5/6	
218.85	220.37	1.52	0.39	26	0.00	0		EW	2.5YR 5/8	
220.37	221.59	1.22	0.31	25	0.00	0		EW	2.5YR 5/8	
221.59	223.11	1.52	0.37	24	0.00	0		EW	2.5YR 5/8	
223.11	224.03	0.92	0.21	23	0.00	0		EW	5YR 5/8	
224.03	226.01	1.98	0.40	20	0.00	0		EW	5YR 5/8	
226.01	227.08	1.07	0.38	36	0.00	0		EW	10YR 4/6	
227.08	228.30	1.22	0.82	67	0.57	47		EW	10YR 4/6	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
228.30	229.06	0.76	0.74	97	0.34	45		EW	5YR 5/6	
229.06	230.73	1.67	0.90	54	0.00	0		EW	5YR 5/6	
230.73	232.11	1.38	0.52	38	0.00	0		EW	2.5YR 4/6	
232.11	233.17	1.06	0.97	92	0.37	35		EW	2.5YR 4/6	
233.17	234.70	1.53	1.25	82	0.48	31		EW	10YR 4/6	
234.70	235.61	0.91	0.61	67	0.12	13		EW	2.5YR 4/8	
235.61	237.13	1.52	1.15	76	0.34	22		EW	5YR 4/6	
237.13	238.66	1.53	1.53	100	1.24	81		FR		
238.66	240.18	1.52	1.50	99	1.26	83		SW		
240.18	241.71	1.53	1.33	87	1.00	65		FR		
241.71	243.23	1.52	1.36	89	1.35	89		FR		
243.23	244.75	1.52	1.48	97	1.38	91		SW		
244.75	246.28	1.53	1.40	92	1.39	91		FR		
246.28	247.80	1.52	1.42	93	0.70	46		FR		
247.80	249.33	1.53	1.29	84	0.69	45		FR		
249.33	250.85	1.52	1.49	98	1.17	77		FR		
250.85	252.37	1.52	1.52	100	1.44	95		FR		
252.37	253.90	1.53	1.42	93	1.22	80		FR		
253.90	255.42	1.52	1.35	89	1.10	72		SW		
255.42	256.95	1.53	1.52	99	1.37	90		FR		
256.95	258.47	1.52	1.52	100	1.24	82		FR		
258.47	260.00	1.53	1.29	84	0.72	47		SW		
260.00	261.52	1.52	1.24	82	0.83	55		SW		
261.52	263.04	1.52	1.16	76	0.73	48		SW		
263.04	264.57	1.53	1.26	82	0.60	39		SW		
264.57	266.09	1.52	1.52	100	0.34	22		SW		
266.09	267.61	1.52	1.41	93	1.38	91		FR		
267.61	269.14	1.53	1.49	97	1.37	90		SW		
269.14	270.66	1.52	1.42	93	0.62	41	MS	SW		
270.66	272.19	1.53	1.35	88	1.04	68	MS	FR		
272.19	273.71	1.52	1.18	78	0.58	38	MS	FR		
273.71	275.23	1.52	0.37	24	0.29	19	MS	SW		
275.23	276.76	1.53	1.17	76	0.60	39	MS	SW		
276.76	278.28	1.52	1.40	92	0.87	57	MS	MW		
278.28	279.81	1.53	1.38	90	0.47	31	H	SW		
279.81	281.33	1.52	1.36	89	0.74	49	MS	MW		
281.33	282.85	1.52	1.25	82	0.59	39	MS	MW		
282.85	284.38	1.53	1.34	88	0.79	52	MS	MW		
284.38	285.90	1.52	1.24	82	0.35	23	H	MW		
285.90	287.43	1.53	1.48	97	0.86	56	MS	SW		
287.43	288.95	1.52	1.41	93	0.68	45	MS	MW		
288.95	290.47	1.52	1.34	88	0.43	28	MS	SW		
290.47	292.00	1.53	1.30	85	0.41	27	MS	SW		
292.00	293.52	1.52	1.40	92	0.86	57	MS	SW		
293.52	295.05	1.53	1.24	81	0.71	46	MS	SW		
295.05	296.57	1.52	1.37	90	0.82	54	MS	MW		
296.57	298.09	1.52	1.44	95	0.77	51	MS	MW		
298.09	299.62	1.53	1.44	94	1.12	73	MS	SW		
299.62	301.14	1.52	1.04	68	0.33	22	MS	SW		
301.14	302.67	1.53	1.30	85	0.68	44	MS	HW		
302.67	304.19	1.52	1.30	86	1.09	72	MS	MW		
304.19	305.17	0.98	0.89	91	0.51	52	MS	MW		
305.17	307.24	2.07	1.53	74	1.41	68	MS	SW		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
307.24	308.76	1.52	1.52	100	0.92	61	H	SW		
308.76	310.29	1.53	1.53	100	0.75	49	MS	SW		
310.29	311.81	1.52	1.49	98	1.16	76	MS	SW		
311.81	313.33	1.52	1.51	99	0.92	61	H	SW		
313.33	314.86	1.53	1.45	95	1.31	86	MS	FR		
314.86	316.38	1.52	1.45	95	1.25	82	MS	FR		
316.38	317.91	1.53	1.48	97	1.05	69	MS	SW		
317.91	319.43	1.52	1.52	100	1.20	79	MS	SW		
319.43	320.95	1.52	1.44	95	1.27	84	MS	SW		
320.95	322.48	1.53	1.53	100	0.92	60	MS	FR		
322.48	324.00	1.52	1.50	99	1.29	85	MS	FR		
324.00	325.53	1.53	1.52	99	1.52	99	MS	FR		
325.53	327.05	1.52	1.52	100	1.40	92	MS	FR		
327.05	328.57	1.52	1.52	100	1.35	89	MS	FR		
328.57	330.10	1.53	1.43	93	1.02	67	MS	FR		
330.10	331.62	1.52	1.52	100	1.42	93	MS	FR		
331.62	333.15	1.53	1.43	93	1.45	95	H	FR		
333.15	334.67	1.52	1.52	100	1.52	100	H	FR		
334.67	336.19	1.52	1.40	92	0.98	64	MS	FR		
336.19	337.72	1.53	0.92	60	0.58	38	MS	SW		
337.72	339.24	1.52	1.52	100	1.47	97	MS	SW		
339.24	340.77	1.53	1.48	97	0.90	59	MS	SW		
340.77	342.29	1.52	1.46	96	1.11	73	H	SW		
342.29	343.81	1.52	1.49	98	1.40	92	MS	SW		
343.81	345.34	1.53	1.41	92	1.00	65	MS	SW		
345.34	346.86	1.52	1.40	92	0.70	46	MS	SW		
346.86	348.39	1.53	1.49	97	0.78	51	MS	SW		
348.39	349.91	1.52	1.52	100	1.10	72	MS	SW		
349.91	351.43	1.52	1.46	96	0.70	46	H	SW		
351.43	352.96	1.53	1.48	97	1.34	88	MS	SW		
352.96	354.48	1.52	1.50	99	1.05	69	MS	SW		
354.48	356.01	1.53	1.50	98	0.92	60	MS	SW		
356.01	357.53	1.52	1.50	99	0.95	63	MS	SW		
357.53	359.05	1.52	1.42	93	0.61	40	W	SW		
359.05	360.58	1.53	1.52	99	0.55	36	MS	SW		
360.58	362.10	1.52	1.40	92	0.50	33	MS	SW		
362.10	363.63	1.53	1.40	92	0.51	33	H	SW		
363.63	366.67	3.04	2.92	96	2.47	81	H	SW		
366.67	369.72	3.05	2.97	97	2.11	69	H	SW		
369.72	372.77	3.05	3.05	100	2.28	75	MS	SW		
372.77	375.82	3.05	3.01	99	2.11	69	MS	SW		
375.82	378.87	3.05	3.05	100	1.80	59	MS	SW		
378.87	381.91	3.04	2.83	93	1.48	49	MS	SW		
381.91	384.96	3.05	2.97	97	1.22	40	MS	SW		
384.96	388.01	3.05	3.01	99	1.84	60	MS	SW		
388.01	391.06	3.05	3.04	100	2.05	67	MS	SW		
391.06	394.11	3.05	3.05	100	1.80	59	MS	SW		
394.11	397.15	3.04	2.79	92	1.65	54	W	SW		
397.15	400.20	3.05	2.25	74	1.35	44	MS	SW		
400.20	403.25	3.05	3.00	98	1.55	51	H	SW		
403.25	406.30	3.05	3.00	98	2.19	72	H	SW		
406.30	409.35	3.05	2.98	98	2.20	72	MS	SW		
409.35	412.39	3.04	3.01	99	1.83	60	MS	SW		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
412.39	415.44	3.05	2.98	98	1.97	65	MS	SW		
415.44	418.49	3.05	2.94	96	1.93	63	MS	SW		
418.49	421.54	3.05	2.93	96	2.20	72	MS	SW		
421.54	424.59	3.05	2.79	91	1.63	53	W	SW		
424.59	427.63	3.04	2.95	97	1.65	54	MS	SW		
427.63	430.68	3.05	2.84	93	1.35	44	MS	SW		
430.68	433.73	3.05	2.94	96	2.25	74	MS	SW		
433.73	436.78	3.05	2.97	97	1.90	62	MS	SW		
436.78	439.83	3.05	3.04	100	1.43	47	MS	SW		
439.83	442.87	3.04	3.00	99	1.40	46	MS	FR		
442.87	445.92	3.05	3.05	100	1.30	43	MS	FR		
445.92	448.97	3.05	2.93	96	1.03	34	MS	FR		
448.97	452.02	3.05	2.83	93	0.56	18	MS	FR		
452.02	455.07	3.05	2.90	95	0.75	25	MS	FR		
455.07	456.90	1.83	1.51	83	0.22	12	MS	FR		
456.90	458.11	1.21	0.25	21	0.00	0	MS	FR		
458.11	461.16	3.05	2.40	79	1.01	33	MS	FR		
461.16	464.21	3.05	2.78	91	1.32	43	MS	FR		
464.21	467.26	3.05	2.89	95	1.43	47	MS	FR		
467.26	469.09	1.83	1.32	72	0.22	12	MS	FR		
469.09	470.31	1.22	1.09	89	0.00	0	H	FR		
470.31	473.35	3.04	2.91	96	2.26	74	MS	SW		vuggy, sparry things being removed
473.35	476.40	3.05	2.72	89	1.44	47	MS	SW		oxidation on fractures
476.40	479.45	3.05	3.05	100	1.53	50	MS	FR		
479.45	482.50	3.05	3.04	100	2.61	86	MS	FR		
482.50	484.33	1.83	1.61	88	0.75	41	MS	FR		
484.33	E.O.H.									

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-09-74

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	LST		0.00	
2.00	LST		0.00	
3.00	LST		0.00	
4.00	LST		0.00	
5.00	LST		0.00	
6.00	LST		0.00	
7.00	LST		0.00	
8.00	LST		0.00	
9.00	LST		0.00	
10.00	LST		0.00	
11.00	LST		0.00	
12.00	LST		0.00	
13.00	LST		0.00	
14.00	LST		0.00	
15.00	LST		0.00	
16.00	LST		0.00	
17.00	LST		0.00	
18.00	LST		0.00	
19.00	LST		0.00	
20.00	LST		0.00	
21.00	LST		0.00	
22.00	LST		0.00	
23.00	LST		0.00	
24.00	LST		0.00	
25.00	LST		0.00	
26.00	LST		0.00	
27.00	LST		0.00	
28.00	LST		0.00	
29.00	LST		0.00	
30.00	LST		0.00	
31.00	LST		0.00	
32.00	LST		0.00	
33.00	LST		0.00	
34.00	LST		0.00	
35.00	LST		0.00	
36.00	LST		0.00	
37.00	LST		0.00	
38.00	LST		0.00	
39.00	LST		0.00	
40.00	LST		0.00	
41.00	LST		0.00	
42.00	LST		0.00	
43.00	LST		0.16	
44.00	LST		0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	LST		0.00	
46.00	LST		0.00	
47.00	LST		0.00	
48.00	LST		0.00	
49.00	LST		0.00	
50.00	LST		0.00	
51.00	LST		0.00	
52.00	LST		0.00	
53.00	LST		0.00	
54.00	LST		0.00	
55.00	LST		0.00	
56.00	LST		0.00	
57.00	LST		0.00	
58.00	LST		0.00	
59.00	LST		0.00	
60.00	LST		0.00	
61.00	LST		0.00	
62.00	LST		0.00	
63.00	LST		0.00	
64.00	LST		0.00	
65.00	LST		0.00	
66.00	LST		0.00	
67.00	LST		0.00	
68.00	LST		0.00	
69.00	LST		0.00	
70.00	LST		0.00	
71.00	LST		0.02	
72.00	LST		0.00	
73.00	LST		0.00	
74.00	LST		0.00	
75.00	LST		0.00	
76.00	LST		0.00	
77.00	LST		0.00	
78.00	LST		0.00	
79.00	LST		0.00	
80.00	LST		0.00	
81.00	LST		0.00	
82.00	LST		0.00	
83.00	LST		0.00	
84.00	LST		0.00	
85.00	LST		0.00	
86.00	LST		0.00	
87.00	LST		0.00	
88.00	LST		0.00	
89.00	LST		0.00	
90.00	LST		0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	LST		0.00	
92.00	LST		0.01	
93.00	LST		0.00	
94.00	LST		0.00	
95.00	LST		0.03	
96.00	LST		0.00	
97.00	LST		0.00	
98.00	LST		0.03	
99.00	LST		0.01	
100.00	LST		0.00	
101.00	LST		0.03	
102.00	LST		0.00	
103.00	LST		0.05	
104.00	LST		0.00	
105.00	LST		0.10	
106.00	LST		0.08	
107.00	LST		60.40	
108.00	LST		316.00	
109.00	LST		6.73	
110.00	LST		29.20	
111.00	LST		16.10	
112.00	LST		13.00	
113.00	LST		0.13	
114.00	LST		121.00	
115.00	LST		148.00	
116.00	LST		172.00	
117.00	LST		78.20	
118.00	LST		115.00	
119.00	LST		17.80	
120.00	LST		103.00	
121.00	LST		36.30	
122.00	LST		78.10	
123.00	LST		97.30	
124.00	LST		96.50	
125.00	LST		62.20	
126.00	LST		57.10	
127.00	LST		25.00	
128.00	LST		24.40	
129.00	LST		0.03	
130.00	LST		0.01	
131.00	LST		0.33	
132.00	LST		0.16	
133.00	LST		0.01	
134.00	LST		0.00	
135.00	LST		0.06	
135.00	LST		0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	LST		0.00	
138.00	LST		0.00	
139.00	LST	DOL	0.00	
140.00	LST	DOL	0.05	
141.00	LST	DOL	0.01	
142.00	LST	DOL	0.00	
143.00	LST	DOL	0.03	
144.00	LST	DOL	0.06	
145.00	LST	DOL	0.00	
146.00	LST	DOL	0.00	
147.00	LST	DOL	0.00	
148.00	LST	DOL	0.00	
149.00	LST	DOL	0.00	
150.00	LST	DOL	0.01	
151.00	LST	DOL	0.10	
152.00	LST	DOL	0.00	
153.00	LST	DOL	0.00	
154.00	LST	DOL	0.00	
155.00	LST	DOL	0.00	
156.00	LST	DOL	0.00	
157.00	LST	DOL	0.00	
158.00	LST	DOL	0.00	
159.00	LST	DOL	0.01	
160.00	LST	DOL	0.00	
161.00	LST	DOL	0.01	
162.00	LST	DOL	0.18	
163.00	LST	DOL	0.00	
164.00	LST	DOL	0.00	
165.00	LST	DOL	0.01	
166.00	LST	DOL	0.00	
167.00	LST	DOL	0.32	
168.00	OX	CLY	0.53	
169.00	OX	CLY	0.45	
170.00	OX	CLY	1.06	
171.00	OX	CLY	0.00	
172.00	LST	MBL	0.00	
173.00	LST	MBL	0.20	
174.00	LST	MBL	0.00	
175.00	LST	MBL	0.00	
176.00	LST	MBL	0.00	
177.00	LST	MBL	0.00	
178.00	LST	MBL	0.00	
179.00	LST	MBL	0.54	
180.00	OX	GRT	0.60	
181.00	OX	GRT	0.51	
182.00	OX	GRT	0.34	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00	OX	GRT	0.00	
184.00	OX	GRT	0.16	
185.00	OX	GRT	0.00	
186.00	OX	GRT	0.00	
187.00	OX	GRT	0.00	
188.00	OX	GRT	0.05	
189.00	OX	GRT	0.40	
190.00	OX	GRT	0.10	
191.00	OX	GRT	0.27	
192.00	OX	GRT	0.00	
193.00	OX	LST	0.00	
194.00	OX	LST	0.00	
195.00	OX	LST	0.00	
196.00	OX	LST	0.00	
197.00	OX	LST	0.14	
198.00	OX	VOL	0.38	
199.00	OX	VOL	0.09	
200.00	OX	VOL	0.00	
201.00	OX	VOL	0.00	
202.00	OX	VOL	0.51	
203.00	OX	VOL	0.00	
204.00	OX	VOL	0.10	
205.00	OX	VOL	0.00	
206.00	OX	VOL	0.00	
207.00	OX	VOL	0.00	
208.00	OX	VOL	0.00	
209.00	OX	VOL	0.23	
210.00	OX	VOL	0.00	
211.00	OX	VOL	0.00	
212.00	OX	VOL	0.00	
213.00	OX	VOL	0.00	
214.00	OX	VOL	0.00	
215.00	OX	VOL	0.00	
216.00	OX	VOL	0.00	
217.00	OX	VOL	0.00	
218.00	OX	VOL	0.00	
219.00	OX	VOL	0.00	
220.00	OX	VOL	0.24	
221.00	OX	VOL	0.49	
222.00	OX	VOL	0.51	
223.00	OX	VOL	0.28	
224.00	OX	VOL	0.00	
225.00	OX	VOL	0.22	
226.00	OX	VOL	0.00	
227.00	OX	VOL	0.02	
228.00	OX	VOL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
229.00	OX	VOL	0.00	
230.00	OX	VOL	0.28	
231.00	OX	VOL	0.41	
232.00	OX	VOL	0.14	
233.00	OX	VOL	0.08	
234.00	OX	VOL	0.06	
235.00	OX	VOL	0.00	
236.00	OX	VOL	0.32	
237.00	LST	DOL	0.00	
238.00	LST	DOL	0.00	
239.00	LST	DOL	0.00	
240.00	LST	DOL	0.00	
241.00	LST	DOL	0.02	
242.00	LST	DOL	0.00	
243.00	LST	DOL	0.00	
244.00	LST	DOL	0.00	
245.00	LST	DOL	0.00	
246.00	LST	DOL	0.00	
247.00	LST	DOL	0.00	
248.00	LST	DOL	0.00	
249.00	LST	DOL	0.02	
250.00	LST	DOL	0.32	
251.00	LST	DOL	0.06	
252.00	LST	DOL	0.00	
253.00	LST	DOL	0.00	
254.00	LST	DOL	0.02	
255.00	LST	DOL	0.00	
256.00	LST	DOL	0.02	
257.00	LST	DOL	0.00	
258.00	LST	DOL	0.00	
259.00	LST	DOL	0.00	
260.00	LST	DOL	0.00	
261.00	LST	DOL	0.00	
262.00	LST	DOL	0.10	
263.00	LST	DOL	0.00	
264.00	LST	DOL	0.00	
265.00	LST	DOL	0.00	
266.00	LST	DOL	0.06	
267.00	LST	DOL	0.02	
268.00	LST	DOL	0.00	
269.00	LST	DOL	0.00	
270.00	LST	DOL	0.00	
271.00	LST	DOL	0.03	
272.00	LST	DOL	0.01	
273.00	LST	DOL	0.03	
274.00	LST	DOL	0.07	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
275.00	LST	DOL	0.00	
276.00	LST	DOL	0.01	
277.00	LST	DOL	0.00	
278.00	LST	DOL	0.03	
279.00	LST	DOL	0.09	
280.00	LST	DOL	0.00	
281.00	LST	DOL	0.01	
282.00	LST	DOL	0.00	
283.00	LST	DOL	0.00	
284.00	LST	DOL	0.03	
285.00	LST	DOL	0.00	
286.00	LST	DOL	0.03	
287.00	LST	DOL	0.00	
288.00	LST	DOL	0.03	
289.00	LST	DOL	0.01	
290.00	LST	DOL	0.00	
291.00	LST	DOL	0.00	
292.00	LST	DOL	0.00	
293.00	LST	DOL	0.03	
294.00	LST	DOL	0.01	
295.00	LST	DOL	0.00	
296.00	LST	DOL	0.00	
297.00	LST	DOL	0.00	
298.00	LST	DOL	0.00	
299.00	LST	DOL	0.00	
300.00	LST	DOL	0.09	
301.00	LST	DOL	0.00	
302.00	LST	DOL	0.01	
303.00	LST	DOL	0.01	
304.00	LST	DOL	0.01	
305.00	LST	DOL	0.14	
306.00	LST	DOL	0.00	
307.00	LST	DOL	0.00	
308.00	LST	DOL	0.03	
309.00	LST	DOL	0.00	
310.00	LST	DOL	0.03	
311.00	LST	DOL	0.03	
312.00	LST	DOL	0.00	
313.00	LST	DOL	0.03	
314.00	LST	DOL	0.05	
315.00	LST	DOL	0.00	
316.00	LST	DOL	0.00	
317.00	LST	DOL	0.10	
318.00	LST	DOL	0.09	
319.00	LST	DOL	0.03	
320.00	LST	DOL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
321.00	LST	DOL	0.00	
322.00	LST	DOL	0.03	
323.00	LST	DOL	0.00	
324.00	LST	DOL	0.00	
325.00	LST	DOL	0.01	
326.00	LST	DOL	0.07	
327.00	LST	DOL	0.05	
328.00	LST	DOL	0.00	
329.00	LST	DOL	0.18	
330.00	LST	DOL	0.03	
331.00	LST	DOL	0.00	
332.00	LST	DOL	0.00	
333.00	LST	DOL	0.05	
334.00	LST	DOL	0.12	
335.00	LST	DOL	0.05	
336.00	LST	DOL	0.12	
337.00	LST	DOL	0.01	
338.00	LST	DOL	0.14	
339.00	LST	DOL	0.05	
340.00	LST	DOL	0.00	
341.00	LST	DOL	0.07	
342.00	LST	DOL	0.00	
343.00	LST	DOL	0.00	
344.00	LST	DOL	0.00	
345.00	LST	DOL	0.01	
346.00	LST	DOL	0.09	
347.00	LST	DOL	0.00	
348.00	LST	DOL	0.00	
349.00	LST	DOL	0.00	
350.00	LST	DOL	0.12	
351.00	LST	DOL	0.05	
352.00	LST	DOL	0.00	
353.00	LST	DOL	0.00	
354.00	LST	DOL	0.00	
355.00	LST	DOL	0.03	
356.00	LST	DOL	0.03	
357.00	LST	DOL	0.00	
358.00	LST	DOL	0.00	
359.00	LST	DOL	0.00	
360.00	LST	DOL	0.00	
361.00	LST	DOL	0.00	
362.00	LST	DOL	0.29	
363.00	LST	DOL	0.00	
364.00	LST	DOL	0.01	
365.00	LST	DOL	0.05	
366.00	LST	DOL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
367.00	LST	DOL	0.00	
368.00	LST	DOL	0.00	
369.00	LST	DOL	0.00	
370.00	LST	DOL	0.00	
371.00	LST	DOL	0.01	
372.00	LST	DOL	0.78	
373.00	LST	DOL	0.40	
374.00	LST	DOL	0.12	
375.00	LST	DOL	0.47	
376.00	LST	DOL	0.00	
377.00	LST	DOL	0.00	
378.00	LST	DOL	0.00	
379.00	LST	DOL	0.00	
380.00	LST	DOL	0.25	
381.00	LST	DOL	0.00	
382.00	LST	DOL	0.00	
383.00	LST	DOL	0.01	
384.00	LST	DOL	0.49	
385.00	LST	DOL	0.00	
386.00	LST	DOL	0.01	
387.00	LST	DOL	0.00	
388.00	LST	DOL	0.00	
389.00	LST	DOL	0.00	
390.00	LST	DOL	0.00	
391.00	LST	DOL	0.00	
392.00	LST	DOL	0.00	
393.00	LST	DOL	0.00	
394.00	LST	DOL	0.00	
395.00	LST	DOL	0.00	
396.00	LST	DOL	0.00	
397.00	LST	DOL	0.10	
398.00	LST	DOL	0.00	
399.00	LST	DOL	0.03	
400.00	LST	DOL	0.01	
401.00	LST	DOL	0.09	
402.00	LST	DOL	0.00	
403.00	LST	DOL	0.00	
404.00	LST	DOL	0.10	
405.00	LST	DOL	0.03	
406.00	LST	DOL	0.10	
407.00	LST	DOL	0.10	
408.00	LST	DOL	0.29	
409.00	LST	DOL	0.00	
410.00	LST	DOL	0.01	
411.00	LST	DOL	0.03	
412.00	LST	DOL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
413.00	LST	DOL	0.00	
414.00	LST	DOL	0.00	
415.00	LST	DOL	0.10	
416.00	LST	DOL	0.10	
417.00	LST	DOL	0.00	
418.00	LST	DOL	0.00	
419.00	LST	DOL	0.05	
420.00	LST	DOL	0.16	
421.00	LST	DOL	0.00	
422.00	LST	DOL	0.23	
423.00	LST	DOL	0.42	
424.00	LST	DOL	0.00	
425.00	LST	DOL	0.00	
426.00	LST	DOL	0.09	
427.00	LST	DOL	0.20	
428.00	LST	DOL	0.16	
429.00	LST	DOL	0.18	
430.00	LST	DOL	0.03	
431.00	LST	DOL	0.09	
432.00	LST	DOL	0.18	
433.00	LST	DOL	0.00	
434.00	LST	DOL	0.00	
435.00	LST	DOL	0.00	
436.00	LST	DOL	0.00	
437.00	LST	DOL	0.00	
438.00	LST	DOL	0.05	
439.00	LST	DOL	0.00	
440.00	LST	DOL	0.03	
441.00	LST	DOL	0.01	
442.00	LST	DOL	0.00	
443.00	LST	DOL	0.01	
444.00	LST	DOL	0.00	
445.00	LST	DOL	0.00	
446.00	LST	DOL	0.00	
447.00	LST	DOL	0.00	
448.00	LST	DOL	0.03	
449.00	LST	DOL	0.09	
450.00	LST	DOL	0.00	
451.00	LST	DOL	0.00	
452.00	LST	DOL	0.05	
453.00	LST	DOL	0.00	
454.00	LST	DOL	0.00	
455.00	LST	DOL	0.05	
456.00	LST	DOL	0.00	
457.00	LST	DOL	0.00	
458.00	LST	DOL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
459.00	LST	DOL	0.20	
460.00	LST	DOL	0.07	
461.00	LST	DOL	0.07	
462.00	LST	DOL	0.00	
463.00	LST	DOL	0.01	
464.00	LST	DOL	0.07	
465.00	LST	DOL	0.01	
466.00	LST	DOL	0.00	
467.00	LST	DOL	0.00	
468.00	LST	DOL	0.12	
469.00	LST	DOL	0.00	
470.00	LST	DOL	0.05	
471.00	LST	DOL	0.01	
472.00	LST	DOL	0.00	
473.00	LST	DOL	0.00	
474.00	LST	DOL	0.09	
475.00	LST	DOL	0.10	
476.00	LST	DOL	0.09	
477.00	LST	DOL	0.03	
478.00	LST	DOL	0.00	
479.00	LST	DOL	0.00	
480.00	LST	DOL	0.03	
481.00	LST	DOL	0.00	
482.00	LST	DOL	0.05	
483.00	LST	DOL	0.00	
484.00	LST	DOL	0.07	

DENSITY LOG

HOLE: Rau-09-74

Depth (m)	Unit	Modifier	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
			Py %	As %	Other	%							
365.80	LST	SBx	t					14.9	5.0	861.1	559.1	2.83	2.85
383.60	LST	SBx						14.9	5.0	863.6	561.0	2.84	2.85
388.50	LST	SBx						15.2	5.0	874.8	563.2	2.82	2.81
460.33	LST	DOL	m					14.8	5.0	1000.0	705.5	3.39	3.40
466.20	LST	DOL	t					14.8	5.0	866.8	569.6	2.94	2.92
482.60	LST	SIL	w					15.0	5.0	887.3	584.8	2.97	2.93

BOX LOG

HOLE: Rau-09-74

BOX	FROM (m)	TO (m)
1	0.98	4.37
2	4.37	7.87
3	7.87	11.62
4	11.62	15.80
5	15.80	20.73
6	20.73	24.04
7	24.04	27.89
8	27.89	31.27
9	31.27	34.44
10	34.44	37.87
11	37.87	41.90
12	41.90	44.93
13	44.93	47.24
14	47.24	51.00
15	51.00	54.47
16	55.47	58.10
17	58.10	61.87
18	61.87	65.60
19	65.60	68.90
20	68.90	72.70
21	72.72	76.65
22	76.65	79.60
23	79.60	83.10
24	83.00	86.46
25	86.46	90.15
26	90.15	94.41
27	94.41	98.45
28	98.45	102.18
29	102.18	106.07
30	106.07	110.18
31	110.18	113.75
32	113.75	117.68
33	117.68	120.69
34	120.69	124.55
35	124.55	128.62
36	128.62	133.27
37	133.27	137.42
38	137.42	141.00
39	141.00	144.51
40	144.51	148.74
41	148.74	152.48
42	152.48	155.45
43	155.45	159.54
44	159.54	164.28
45	164.28	170.48
46	170.48	174.65
47	174.65	182.00
48	182.00	189.80
49	189.80	200.25
50	200.25	205.04
51	205.04	210.05
52	210.05	215.80
53	215.49	223.11
54	223.11	230.73
55	230.73	236.58
56	236.58	241.52
57	241.52	247.13
58	247.13	254.63
59	254.63	258.33
60	258.33	264.25
61	264.25	269.37
62	269.37	275.37
63	275.37	280.43
64	280.43	285.08
65	285.08	290.31
66	290.31	295.38
67	295.38	300.16
68	300.16	305.71
69	305.71	310.61
70	310.61	316.66
71	316.66	320.77
72	320.77	325.90
73	325.90	331.15
74	331.15	336.42
75	336.42	342.29
76	342.29	347.50
77	347.50	352.96
78	352.96	358.23
79	358.23	362.95
80	362.95	368.45
81	368.45	373.59
82	373.59	379.11
83	379.11	384.58
84	384.58	389.99
85	389.99	395.26
86	395.26	401.24
87	401.24	406.74
88	406.74	412.25
89	412.25	417.39
90	417.39	422.57
91	422.57	427.63
92	427.63	432.87
93	432.87	438.25
94	438.25	443.52
95	443.52	448.97
96	448.97	454.11
97	454.11	460.15
98	460.15	465.31
99	465.31	469.50
100	469.50	474.90
101	474.90	480.06
102	480.06	484.33
484.33 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
09+850NW	10+055NE	528627	7118971	1306	262.13

ZONE: East

SECTION: 09+850NW

HOLE: **Rau-10-75**

CLAIM: Rau 56

Contractor: Superior

Drill: 1

Core size: BTW

Casing depth: 13.72 m out

Drilling dates: June 2- 4 2010

Geology logged by: K. Unger

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-69.0	compass				
18.30	231	-69.2	ranger				
48.76	231	-69.4	ranger				
94.49	234	-69.4	ranger				

TARGET: East Zone sulphide horizon.

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	4.17	4.17	OVB	
4.17	98.12	93.95	LST	Dolomitized
98.12	112.17	14.05	DOL	
112.17	115.60	3.43	DOL	With VOL interbeds
115.60	139.67	24.07	VOL	
139.67	240.57	100.90	DOL	Mineralized
240.57	241.40	0.83	VOL	MIneralized
241.40	262.13	20.73	LEP	
262.13	E.O.H.			

SAMPLES

Numbers: I074745-I074831

Total: 87

Batch: 7,8,9,10

Date Sent: June 13, 14, 15, 16, 2010

Certificate: VA10082227, VA10083887, VA10083932

VA10083884

COMMENTS

The hole was ended because it had passed the targeted depth and was well into the LEP unit.

GEOLOGY LOG

HOLE: Rau-10-75

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	4.17	4.17	0.00	4.17	4.17	OVB			Overburden - No Recovery																		
4.17	98.12	93.95				LST	DOL	BX	Limestone, variably oxidized and sideritized through top of interval, variably brecciated throughout with crackle and solution collapse brecciation. Dolomitization variable from weak to very strong throughout. Trace Py, As and Bs. Oxidation weak unless noted differently as in top of hole.											t	t		Bs	t			
			4.17	25.25	21.08	LST	OX	BX	Variably brecciated LST, variably oxidized or sideridized from weak to extreme, SID LST appearing as earthy, brown-orange chunks up hole to competent, "Rotted Log" below, with vuggy, heavy rusty-yellow to dark brown rock. Clay-like OX is very soft, like lightly packed dry clay.						s	s										
									FO is v. weak to strong, sometimes dictated by foliation bands where strongest, and by clast orientation in breccia where weakest, 60 degrees TCA.	FO	60																
			25.25	27.54	2.29	LST		sBX	"Paisley" LST, relict sBX clasts, light to medium grey, with white, sparry Ca teeth rimming patches in a dark FG carbonaceous matrix. Talc is present as pearly, <1 mm plates, fresh fractures feel soapy. Weak oxidation on some fracture surfaces.							w							Tc	f			
									Weak FO 60-65 degrees TCA,	FO	60																
			27.54	32.00	4.46	LST	DOL		Medium grey LST, dolomitized, with wavy, <0.5 mm thin darker grey bands near stylolitic in appearance.					s		w							Tc	f			
									Thin darker grey bands near stylolitic in appearance dictating FO ~60 degrees TCA.	FO	60																
									3 mm Ca veinlet, cross cutting FO, 50 degrees TCA, 180 to FO.	VN	50	180	1														

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			32.00	69.89	37.89	LST	DOL	sBX	Variably DOL solution breccia LST, dark grey clasts supported by a white matrix, variably DOL throughout, with matrix usually less so than clasts, fizzing more readily with 10% HCl. FO variable in angle and strength from n/a to very strong. Some BX clasts elongate with FO, but usually sub-angular to sub-rounded without orientation. Talc is present in LST as small, pearly plates < 1mm, fresh fractures feel soapy. Some weak red alteration (HEM?) on grey LST clasts along some fracture surfaces. Clasts range in size from 3 mm to 10 cm.					m		w				t	t						
									FO ~15 degrees TCA up hole in interval	FO	15																
			65.72	66.45	0.73				FO 75 degrees TCA from 65.72 to 66.45 m.	FO	75																
			39.25	39.31	0.06				DOL Ca VN, 45 degrees TCA, coarse grained CA, 6 cm wide. Py hosted in selvage in grey BX clasts, FG, up to 4 cm away from veinlet wall.	VN	45		1														
									35 degrees TCA, DOL-Ca vein hosting <1 mm grained Py in vein, crosscutting brecciation.	VN	35		1														
			69.89	78.32	8.43	LST	DOL	cBX	Strongly DOL LST, weakly cBX, exhibiting some sBX or fBX texture nearing FLT below.					e					t			Bs	t			
									Weak to moderate FO in breccia clast orientation, 50-70 degrees TCA.	FO	60																
			71.92						Py-Ca-Bs vein, coarse grained Py and Bs with Ca matrix. Cubic Py <1.3 cm, large Bs, fibrous crystal mound present. Oriented 40 degrees TCA, roughly parallel to local FO, single vein of it's kind in interval. Py oxidized on cubic crystal surfaces.	VN	40	0														
			78.32	91.94	13.62	FLT			Blocky, dark LST, small <2 cm rubble to competent core fracturing preferentially at 30-70 degrees TCA, bisecting breccia clasts. Oxidation alteration on fracture surfaces.							f										
			91.94	98.12	6.18	LST	DOL	BX	Strongly DOL LST, variably brecciated in texture from cBX to sBX.					s													
									Weak FO 30-60 degrees TCA.	FO	45																
98.12	112.17	14.05				DOL			Light grey hydrothermal DOL exhibiting medium grained dolomite (recrystalization?), sucrosic to sparry in texture, with medium grey, FG LST in intervals up to 12 cm in width, the frequency of LST intervals decreases with depth. Banded Py is parallel to FO. Py present both fine and medium grained cubic crystals <0.7 cm, rock is calcareous around Py, fizzing with 10 % HCl more readily than elsewhere.					s					w								x
									FO 40 degrees TCA.	FO	40																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			115.82	115.89	0.07				Powdery Ca veinlet with trace sphalerite and bismuthanite, oriented 40 degrees TCA, 7 cm wide.	VN	40		1										Sp	t	Bs	t	
									Coarse grained, bladed Ca crystals in veinlet 3 cm wide, oriented 40 degrees TCA and parallel with FO Red (Hem?) staining on Ca faces, FG Py present between Ca crystal boundaries. Veinlet marks beginning of gradational contact with volcanics below.	VN	40	0	1							w								
			102.50	106.00	3.50	LST	DOL		Limestone, strongly dolomitized, rock texture is debris flow-like in appearance, PY overprinting both sparry, rounded DOL clasts and dark, FG carbonic matrix (decalcified mudstone?)										f								x
112.17	115.60	3.43				DOL	VOL		Sugary, grey to white DOL with interbeds fine grained VOL interbeds less than 1.1 cm thick. Volcaniclastics variably sericitized from weak to intense.									SER	ms	t							
									FO 40-50 degrees TCA (relic bedding planes?) Py present proximal to volcanics, overprinting DOL.	FO	45															
115.60	139.67	24.07				VOL			Green to dark brownish green VOL, strongly SER alteration, hosting few veins, some pyritic in composition. MG cubic Py variable throughout. Rock fizzes variably from weak to strong in dark bands/blebs between sericitic matrix. Trace bright green (fuchsite?) fine grained mineral very sporadic through interval in sericitic zones. Variably chloritic in sericite altered zones.						s			SER	s	f							x
									Strong FO at 25-40 degrees TCA throughout, defined by banding or pod orientations.	FO	35															
			115.60	117.04	1.44	VOL			Green, strongly SER-altered VOL, hosting Qz-Dol veinlets.					s				SER	s							
									FO 25-40 degrees TCA.	FO	25															
									Qz-Dol veinlets oriented 15 degrees TCA, 270 degrees to FO.	VN	15	270	3														
			117.04	120.73	3.69				Sericitic VOL with dark, elongate with FO pods at least as long as BTW core barrel width, hosting trace Py. Fu trace in SER matrix, sericite also present as wavy (infills of strain gashes?) in darker pods.					s				SER	s	t			Fu	t			x
									FO defined by elongate pods and sericite banding, 25 degrees TCA.	FO	25															
			120.73	127.03	6.30				Green, intensely sericitized VOL lacking dark pods as above, hosting trace Py, As and Fu.					s				SER	l	t		t	Fu	t			

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									FO 25 degrees TCA, seen in wavy foliation bands.	FO	25																
									1 mm veinlet, 45 degrees TCA, 120 degrees to FO.	VN	45	120	1														
									1 mm Qz veinlet crosscutting above veinlet, oriented 15 degrees TCA, 270 to FO.	VN	15	270	1														
									Py veinlet, 3 cm wide with some MG Po and Ca. 65 degrees TCA, 180 degrees to FO. Py is fine grained ~95% of veinlet's composition.	VN	65	180	1														
			127.03	130.68	3.65	VOL			Dark grey-dark green VOL appearing more chloritic and less sericitic than above, minor Fu where sericite-rich.					s				CHL	s	t			Fu	t			
																			SER	ms								
									Strong FO at 25 degrees TCA, defined by VOL "bedding".	FO	25																
									1 mm wide Py veinlets at 127.65 m, oriented 50 degrees TCA, 180 degrees to FO.	VN	50	180	2														
			130.68			VOL			Green, less sericitic than rock above volcaniclastic hosting pyrite and arsenopyrite, both medium grained, Py as MG cubes, As rhombs. Mineralization forming bands parallel to FO, preferentially hosted in darker greenish-brown bands vs. lighter SER bands.									SER	ms	m	m						
									FO defined by VOL bedding/layers, 25 degrees TCA.	FO	25																
			139.68			VOL			Green, sericitized VOL hosting Py finer grained than above, magnetic Po starting at 138.98, abundance increasing with depth to contact with "East Zone" below. Contact sharp, chlorite sharp. Rock is strongly chloritic from "East Zone" contact up to 138.98 m.									SER	s	m		m					
									Strong FO dictated by layers in VOL (relic bedding?) 25 degrees CA.	FO	25																
139.68	220.45	80.77				DOL	MX		DOL, hydrothermal in texture, coarse grained hosting massive to banded Po and Py along with trace As. DOL is talcy sometimes exhibiting a pearly lusture on fine grained platy mineral faces, fresh fractures feel soapy from talc. Talc and tremolite present variably in interval. Py banding defines a weak to moderately strong FO (bedding or strain fabric?) Pyrrhotite hosted in top 22 m of interval, mineralization becoming Py dominated below. "East Zone".					s						i	t	s					
									FO between 50 and 85 degrees TCA, increasing with depth defined by Py bands where present, variably cryptic/obliterated in interval.	FO	70																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			139.68	171.00	31.32	DOL	MX		Hydrothermal DOL, crystals upwards of 1.5 cm in size, DOL appearing as recrystalized sBX clasts, rimmed with FG Po in dirty DOL matrix with Py overprinting Po and vice versa. Po occurrence lessening with depth. A weak FO defined Py bands, in some areas Po also follows FO. FO is stronger in Py than Po, Po overprinting foliated Py. Rock hosting massive Py and Po is variably talc-tremolite altered. Py appearing later than Po, Po replaced by cubic Py that is locally associated with Qz. However, Po is sometimes overprinting FG massive Py (?). Chl ALT around Po is intermittent. Weak oxi-alteration on some fractures. Talc and tremolite present on fresh surfaces.					s		w				i		i					x
									Weak to moderately defined FO by pyrite bands, ~75-80 degrees TCA up hole.	FO	80																
									Foliation angle decreases with depth, eventually becoming cryptic/ obliterated.																		
									2.5 cm chlorite-Po veinlet, 55 degrees TCA, Po overprinting minerals on veinlet boundary and Py within vein.	VN	55									w		i					
			171.00	204.03	33.03	DOL	MX		Coarse grained DOL hosting FG Py in parallel to sub-parallel bands, roughly 30 per meter (following bedding? Strain fabric?), with angle increasing with depth. Bands ~2 mm to 5 cm in width, with 0.5 to 8 cm between bands. Py is dull greyish yellow.											s		t					x
									FO defined by sub-parallel Py bands, ~ 50 degrees TCA, FO angle increases with depth.	FO	50																
			198.55	198.60	0.05				Sericitic veinlet, 5 cm vein at 198.55 m, Py bands appearing sheared/strained within veinlet, deformed from linear to wavy.	VN	50	0	2														
			200.35	200.55	0.20	DOL	MX		FG massive Py.											80							
			204.05	205.85	1.80	VOL			Grey-green volcaniclastic, weak FO present in grain/clast orientation, Py bands following FO but less frequent, 3 per meter. Trace fuchsite present in zones of SER alteration.									SER	w	w			Fu	t			
									Weak FO defined by orientation of grains and clasts 50 degrees TCA (relict bedding?)	FO	50																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			205.85	220.45	14.60	DOL	MX		Medium to coarse grained DOL with banded Py, typically more uniform in width than above but lacks strong foliation as mineralized DOL above. Py is FG dull, and ranges from bands to nebulous clouds growing outward from FO to lenses in shape. (Vol? BX clasts?) Py diminishing with depth. MG euhedral As is associated with Py mineralization. DOL appears more cBX in texture nearing bottom of interval.					s						ms	t						x
									FO defined by Py bands, 50 degrees TCA	FO	50																	
			206.85	206.95	0.10				Narrow OX/Hem (Siderite?) at fracture	VN																		
			207.50	209.02	1.52				Tremolite-talc alteration of coarse grained DOL, sof green in appearance.									TLC	ms									
			212.00	213.00	1.00				Trace As with narrow Py bands exhibiting weak FO in this interval, Py band frequency in less than above.																			
220.45	240.57	20.12				DOL	MX	cBX	Variably oxidized, Py mineralized, talc-trem altered and cBX DOL. Dolomitization sometimes weak with minor intervals of calcareous rock which fizz with 10% HCl. Py is present as narrow, wispy FG bands with sub-parallel orientation (P1?) to medium grained crystals overprinting dolomite, to "shotgun" texture in talc rich rock. FG Py appears late, overprinting oxidized DOL, both as masses of FG Py nebulous blebs to wispy bands. FO varies from absent to weak throughout.					s				TLC	w	f								
			220.45	224.30	3.85	DOL	OX	cBX	Rusty red to light grey oxidized DOL, relict cBX texture overprinted by oxidation. Rock fractures are preferential in orientation crosscutting cBX texture (strain fabric?). Late Py "veinlet" in OX showing different orientation and crosscutting fractures.					l		l		TLC	w	m								x
									Preferred fracture orientation, 90 degrees TCA	FO	90																	
									FG, wavy 0.6 cm wide Py vein overprinting OX, crosscutting fracture "foliation ".	VN	20	90																
			224.30	226.81	2.51				Grey, weakly cBX DOL LST, light grey breccia clasts in dark matrix. Py is intermittent, sometimes as narrow 1 mm bands (veinlets?) and as FG cubes, and is preferentially hosted/associated with dark matrix minerals.											f									
									Foliation defined by cBX clast orientation and narrow black bands (dissolutions?)	FO	45																	
									Py veinlet, 45 degrees TCA, parallel with FO, 1 mm cubes in black, carbonaceous matrix.																			

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			226.81	228.50	1.69	DOL			White to grey moderately talc-tremolite altered DOL, talc-trem FG to CG, fibrous replacements of coarse grained hydrothermal DOL(?). Py present in dark (dissolution?) bands as FG overprinting bands with variable FO.							w		TLC	m									
									50 degree TCA defined by Py bands	FO	50																
			228.59	230.06	1.47	DOL			Grey, DOL, Py as "shotgun" texture along bands, 0.5 cm wide, parallel to FO, or as FG crystals in FO oriented bands.																		
									40 degrees TCA defined by Py bands and dark, narrow (dissolution?) bands in DOL.	FO	40																
			230.06	235.52	5.46	DOL	OX		Oxidized, coarse grained DOL with Py replacing oxidized dolomite as massive, FG bands without common orientation to nebulous pods. Rock becomes rubbly at bottom of interval. Trace red CG Sp at 230.80 m															Sp	t			
			235.52	240.57	5.05	DOL		cBX	White to medium grey crackle brecciated DOL, lighter breccia clasts in darker, narrow crackle matrix. Clasts exhibiting variable shear/strain throughout, clasts oriented elongate with foliation. Fine grained Py overprinting DOL, preferential to dark bands/matrix, weakly following FO. Py also present as blebs in Qz-Ca vein, talc-trem altering of Ca.							w		TLC	w									
									FO 35-50 degrees TCA, defined by narrow, black bands oriented (strained cBX?) and Py bands. FG interbeds (VOL) also follow FO, occurrence increasing down hole.	FO	45																
240.57	241.40	0.83				VOL	MX		Dark brown-red, banded, non-calcareous FG VOL hosting fine grained Py mineralizing along greyish bands (ser/clay altered?)									SER	m							
									Strong FO, 40 degrees TCA, defined by bands (relict bedding?)	FO	40																
									Qz vein, coarse grained, 40 degrees TCA, 180 to FO hosting 3 mm cubic to sub crystalline Py crystals. Vein marks contact with above DOL unit.	VN	40	180	1	s												
241.40	262.13	20.73				LEP			Brown-grey LEP, carbonaceous throughout, variably Py mineralized, brown to very dark brown-black blebs hosted in grey carbonaceous matrix, weakly polymictic in appearance. Variably sericitized from none to weak, foliation variable in unit.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			241.46	247.03	5.57	LEP	MX		Brown, Py mineralized LEP, fine grained to more coarse banded "clasts" in grey carb matrix. Py present as fine grained, wispy bands and MG coarse crystals following Fo, overprinting carbonate matrix and brown biotite(?)-rich brown clasts and bands. Coarse Py appearing in bands up to 4 cm wide, and as single crystals in Ca-matrix.										s							
									Strong FO in wispy Py bands and LEP layers (LEP-VOL interbedding?) 50 degrees TCA.	FO	50																
			244.75						Steep, 10 degrees TCA oriented Qz-Ca vein with weak talc-trem alteration hosting dull, FG Py in upper vein selvages to brassy, sub crystalline coarse grained Py blebs within the vein.	VN	10	90	1					TLC	w	s								
									Chlorite veinlet, 1.5 cm wide, crosscutting but offset by a silty-clay interbed in LEP. Dextral movement, Py overprinting chlorite.	VN	50	160															
									Grey, silty bands in Ca (pinkish) matrix appearing strained (interbed silts?)	VN	50	0															
			247.03	262.13	15.10	LEP			Brown to dark brown/black LEP, dark, oval shaped clasts oriented preferentially in grey carb matrix with some grey-green silty interbeds <3 cm thick throughout, exhibiting shear textures.									SER	t								
									Strong foliation, oriented 50 degrees TCA, defined by clast orientation and relict bedding.	FO	50																
									Strain/shear, steepening to CA~40 degrees TCA, brown bedding deformed with cracking, deforming bedding plane up towards core axis from original FO, grey, silty layers more commonly exhibiting strain textures.	SH																
									262.13 m: E.O.H. The hole was ended because it had passed the targeted depth and was well into the LEP unit.																	

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-75

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
4.17	7.16	2.99	LST	DOL	1.34	45	I074745	7	<0.01	0.27	421	1.44	
7.16	8.52	1.36	LST	DOL	0.98	72	I074746	7	<0.01	0.23	1450	1.89	
8.52	11.31	2.79	LST	DOL	0.85	30	I074747	7	0.01	0.28	5020	5.83	
11.31	13.11	1.80	LST	DOL	0.23	13	I074749	7	<0.01	0.09	1520	0.47	
13.11	16.16	3.05	LST	DOL	2.60	85	I074750	7	<0.01	0.02	140	7.70	
16.16	19.20	3.04	LST	DOL	3.03	100	I074751	7	0.01	0.05	547	0.64	
19.20	20.73	1.53	LST	DOL	0.40	26	I074752	7	<0.01	0.19	2090	0.78	
20.73	22.58	1.85	LST	DOL	1.54	83	I074753	8	0.01	0.05	436	0.35	
22.58	25.10	2.52	LST	DOL	2.20	87	I074754	8	0.01	0.03	161	0.56	
25.10	26.29	1.19	LST	DOL	0.83	70	I074756	8	0.01	0.02	18	0.13	
26.29	27.43	1.14	LST	DOL	1.03	90	I074757	8	0.01	0.01	13	0.16	
27.43	30.48	3.05	LST	DOL	2.87	94	I074758	8	0.01	0.02	44	0.77	
30.48	32.00	1.52	LST	DOL	0.37	24	I074760	8	0.26	0.04	340	10.80	
32.00	35.05	3.05	LST	DOL	0.48	16	I074761	8	0.01	0.03	34	11.85	
35.05	38.10	3.05	LST	DOL	2.90	95	I074762	8	0.02	0.04	39	12.25	
38.10	41.15	3.05	LST	DOL	2.87	94	I074763	8	0.01	0.04	39	6.95	
93.57	96.62	3.05	LST	DOL	2.84	93	I074764	8	0.02	0.24	25	49.40	
96.62	97.84	1.22	LST	DOL	0.20	16	I074765	8	0.01	0.06	11	3.18	
97.84	100.58	2.74	DOL		2.69	98	I074766	8	0.19	0.50	57	32.50	
100.58	103.63	3.05	DOL		2.98	98	I074767	8	0.17	0.88	146	312.00	
103.63	106.68	3.05	DOL		2.97	97	I074768	8	0.10	0.68	242	338.00	
106.68	109.73	3.05	DOL		2.89	95	I074769	8	0.07	0.32	179	167.50	
109.73	112.17	2.44	DOL		2.27	93	I074770	8	0.48	1.94	105	123.00	
112.17	115.05	2.88	DOL	VOL	2.69	93	I074771	8	1.08	7.77	75	131.50	
115.05	117.04	1.99	VOL		1.61	81	I074772	8	0.01	3.64	65	27.20	
117.04	120.09	3.05	VOL		2.64	87	I074773	8	0.11	<0.01	11	0.42	
120.09	123.14	3.05	VOL		3.05	100	I074774	8	0.03	0.62	49	1.24	
123.14	124.66	1.52	VOL		1.52	100	I074776	8	0.01	<0.01	11	0.62	
124.66	127.41	2.75	VOL		2.58	94	I074777	8	<0.01	<0.01	13	0.71	
127.41	130.45	3.04	VOL		3.04	100	I074779	8	0.04	<0.01	12	0.20	
130.45	133.50	3.05	VOL		3.02	99	I074780	8	0.06	<0.01	5360	1.49	
133.50	136.55	3.05	VOL		3.04	100	I074781	8	0.05	<0.01	1935	1.94	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
136.55	138.00	1.45	VOL		1.36	94	I074782	8	0.01	<0.01	64	3.46	
138.00	141.05	3.05	DOL	MX	1.51	50	I074783	8	0.01	0.70	42	37.80	
141.05	142.34	1.29	DOL	MX	1.29	100	I074785	8	0.07	0.52	248	247.00	
142.34	145.39	3.05	DOL	MX	2.97	97	I074786	8	1.40	0.22	2130	487.00	
145.39	148.44	3.05	DOL	MX	2.96	97	I074787	8	0.61	0.30	1810	693.00	
148.44	151.49	3.05	DOL	MX	2.06	68	I074788	8	0.24	0.73	1095	385.00	
151.49	154.54	3.05	DOL	MX	2.92	96	I074789	9	0.08	0.59	583	301.00	
154.54	157.59	3.05	DOL	MX	2.58	85	I074790	9	0.20	0.29	588	114.50	
157.59	160.64	3.05	DOL	MX	3.05	100	I074791	9	0.19	0.67	873	229.00	
160.64	163.69	3.05	DOL	MX	3.02	99	I074793	9	0.08	0.69	561	353.00	
163.69	166.74	3.05	DOL	MX	2.92	96	I074794	9	2.54	0.80	1240	222.00	
166.74	169.79	3.05	DOL	MX	2.90	95	I074795	9	0.41	0.27	689	334.00	
169.79	172.21	2.42	DOL	MX	2.37	98	I074796	9	0.03	0.26	449	89.80	
172.21	175.26	3.05	DOL	MX	2.08	68	I074798	9	0.04	1.64	578	68.70	
175.26	178.31	3.05	DOL	MX	2.99	98	I074799	9	0.07	5.81	1140	100.50	
178.31	181.36	3.05	DOL	MX	2.96	97	I074801	9	0.13	11.75	1700	115.50	
181.36	184.40	3.04	DOL	MX	2.81	92	I074802	9	0.07	2.49	665	41.20	
184.40	187.45	3.05	DOL	MX	3.05	100	I074803	9	0.08	1.47	664	68.00	
187.45	190.50	3.05	DOL	MX	2.95	97	I074804	9	0.08	0.26	555	90.10	
190.50	193.55	3.05	DOL	MX	2.91	95	I074805	9	0.22	0.12	1480	661.00	
193.55	196.60	3.05	DOL	MX	3.02	99	I074806	9	0.51	0.06	1480	844.00	
196.60	199.64	3.04	DOL	MX	3.02	99	I074807	9	0.85	0.06	801	214.00	
199.64	202.69	3.05	DOL	MX	2.89	95	I074808	9	0.65	0.28	3380	192.00	
202.69	204.05	1.36	DOL	MX	1.16	85	I074810	9	0.05	0.12	525	33.30	
204.05	205.85	1.80	DOL	MX	1.71	95	I074811	9	0.04	<0.01	126	6.46	
205.85	208.79	2.94	DOL	MX	2.81	96	I074812	9	0.16	0.06	1200	115.50	
208.79	211.84	3.05	DOL	MX	2.90	95	I074813	9	0.25	0.08	611	149.50	
211.84	214.88	3.04	DOL	MX	3.04	100	I074814	9	0.16	0.06	7400	94.10	
214.88	217.93	3.05	DOL	MX	2.95	97	I074815	9	0.10	0.07	828	115.00	
217.93	220.98	3.05	DOL	MX	2.98	98	I074816	9	0.28	0.12	1020	104.50	
220.98	222.50	1.52	DOL	MX	1.38	91	I074817	9	0.06	0.11	525	7.01	
222.50	224.05	1.55	DOL	MX	1.27	82	I074818	9	0.22	0.09	724	31.80	
224.05	227.10	3.05	DOL	MX	2.12	70	I074819	9	0.03	0.04	113	2.90	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
227.10	230.05	2.95	DOL	MX	2.89	98	I074820	9	0.17	0.11	550	59.00	
230.05	231.65	1.60	DOL	MX	1.05	66	I074821	9	0.10	0.19	774	80.30	
231.65	235.31	3.66	DOL	MX	1.30	36	I074822	9	0.03	0.10	439	19.75	
235.31	238.35	3.04	DOL	MX	2.76	91	I074823	9	0.01	0.23	134	2.44	
238.35	240.47	2.12	DOL	MX	2.10	99	I074825	10	0.04	0.06	153	6.05	
240.47	241.40	0.93	VOL	MX	0.78	84	I074826	10	0.13	0.11	368	21.70	
241.40	244.45	3.05	LEP		2.84	93	I074827	10	0.08	0.06	163	11.00	
244.45	247.03	2.58	LEP		2.48	96	I074828	10	0.10	0.08	204	16.70	
247.03	250.00	2.97	LEP		2.80	94	I074829	10	0.01	0.03	8	0.67	
250.00	253.00	3.00	LEP		2.86	95	I074830	10	0.01	0.10	8	0.85	
-	-	-	-	-	-	-	I074748	7	1.31	0.59	77	1.60	STANDARD ROS-2
-	-	-	-	-	-	-	I074755	8	<0.01	<0.01	5	0.02	BLANK
-	-	-	-	-	-	-	I074759	8	1.82	0.19	28300	266.00	STANDARD RSS-2
-	-	-	-	-	-	-	I074775	8	<0.01	<0.01	<5	0.07	BLANK
124.66	127.41	2.75	VOL		-	-	I074778	8	<0.01	<0.01	10	0.61	DUPLICATE
-	-	-	-	-	-	-	I074784	8	1.60	0.28	28400	262.00	STANDARD RSS-2
157.59	160.64	3.05	DOL	MX	-	-	I074792	9	0.35	0.56	716	163.50	DUPLICATE
-	-	-	-	-	-	-	I074797	9	0.38	6.81	2	1.40	STANDARD RSS-1
-	-	-	-	-	-	-	I074800	9	<0.01	0.02	6	0.35	BLANK
-	-	-	-	-	-	-	I074809	9	0.01	0.01	6	0.92	BLANK
-	-	-	-	-	-	-	I074824	9	9.07	24.10	7	1.10	STANDARD ROS-3
-	-	-	-	-	-	-	I074831	10	<0.01	0.18	148	0.54	BLANK

GEOTECHNICAL LOG

HOLE: Rau-10-75

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
4.17	4.27	0.10	0.07	70	0.00	0	W	MW		
4.27	5.79	1.52	0.38	25	0.00	0	W	HW	7.5YR 4/6	
5.79	7.16	1.37	0.94	69	0.44	32	W	HW	7.5YR 4/7	
7.16	8.53	1.37	1.10	80	0.26	19	W	MW	7.5YR 4/8	
8.53	9.75	1.22	0.82	67	0.15	12	W	EW	7.5YR 4/9	
9.75	13.11	3.36	0.32	10	0.00	0	EW	EW	7.5YR 4/10	
13.11	14.63	1.52	1.47	97	0.49	32	MS	SW		
14.63	15.70	1.07	0.80	75	0.11	10	W	SW		
15.70	16.46	0.76	0.76	100	0.29	38	MS	MW		
16.46	16.76	0.30	0.30	100	0.00	0	MS	HW		
16.76	17.22	0.46	0.46	100	0.00	0	W	SW		
17.22	18.29	1.07	1.07	100	0.15	14	MS	SW		
18.29	19.20	0.91	0.91	100	0.32	35	MS	HW		Siderite?
19.20	20.73	1.53	1.30	85	0.24	16	MS	EW		Siderite?
20.73	22.25	1.52	1.22	80	0.14	9	MS	HW		Siderite?
22.25	23.77	1.52	1.39	91	0.00	0	W	HW		Siderite?
23.77	24.36	0.59	0.59	100	0.21	36	MS	SW		
24.36	25.60	1.24	0.88	71	0.53	43	MS	SW		
25.60	26.21	0.61	0.54	89	0.33	54	MS	SW		
26.21	27.43	1.22	1.14	93	1.05	86	MS	SW		
27.43	28.96	1.53	1.49	97	0.76	50	MS	SW		
28.96	30.48	1.52	1.52	100	1.29	85	MS	SW		
30.48	32.00	1.52	1.45	95	0.94	62	MS	SW		
32.00	33.53	1.53	1.53	100	0.86	56	MS	SW		
33.53	35.05	1.52	1.45	95	0.97	64	MS	SW		
35.05	36.58	1.53	1.48	97	1.17	76	MS	SW		
36.58	38.10	1.52	1.49	98	0.44	29	MS	SW		
38.10	39.62	1.52	1.48	97	1.33	88	MS	FR		
39.62	41.15	1.53	1.46	95	1.42	93	MS	SW		
41.15	44.20	3.05	3.00	98	1.23	40	MS	SW		
44.20	47.24	3.04	2.97	98	1.96	64	MS	SW		
47.24	48.77	1.53	1.32	86	0.00	0	W	MW		
48.77	51.21	2.44	2.44	100	0.87	36	MS	SW		
51.21	53.34	2.13	1.98	93	1.97	92	MS	SW		
53.34	56.39	3.05	3.05	100	2.43	80	MS	SW		
56.39	59.44	3.05	3.05	100	1.99	65	MS	SW		
59.44	62.48	3.04	2.97	98	2.38	78	MS	FR		
62.48	65.53	3.05	2.72	89	2.04	67	MS	FR		
65.53	68.58	3.05	3.05	100	2.42	79	MS	SW		
68.58	71.63	3.05	2.96	97	2.43	80	MS	FR		
71.63	74.68	3.05	3.04	100	2.71	89	MS	FR		
74.68	77.72	3.04	2.97	98	2.84	93	MS	FR		
77.72	79.25	1.53	1.40	92	0.34	22	MS	SW		
79.25	81.38	2.13	1.98	93	0.54	25	MS	SW		
81.38	84.43	3.05	2.90	95	0.15	5	MS	SW		
84.43	85.65	1.22	1.12	92	0.00	0	MS	MW		
85.65	88.70	3.05	2.49	82	0.00	0	MS	MW		
88.70	91.74	3.04	3.04	100	0.66	22	MS	SW		
91.74	93.57	1.83	1.83	100	0.72	39	MS	SW		
93.57	96.62	3.05	2.93	96	2.08	68	MS	SW		
96.62	97.84	1.22	1.20	98	0.95	78	MS	SW		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
97.84	100.58	2.74	2.69	98	2.12	77	MS	SW		
100.58	103.63	3.05	3.02	99	2.71	89	MS	FR		
103.63	106.68	3.05	2.98	98	2.73	90	MS	FR		
106.68	109.73	3.05	2.88	94	2.90	95	MS	FR		
109.73	112.78	3.05	2.91	95	1.38	45	MS	SW		
112.78	115.82	3.04	2.95	97	2.02	66	MS	SW		
115.82	117.04	1.22	1.07	88	0.00	0	MS	SW		
117.04	120.04	3.00	2.63	88	1.19	40	MS	SW		
120.04	121.61	1.57	1.57	100	0.74	47	MS	FR		
121.61	124.66	3.05	3.05	100	1.61	53	MS	FR		
124.66	127.41	2.75	2.41	88	2.30	84	MS	FR		
127.41	130.45	3.04	3.04	100	1.95	64	MS	FR		
130.45	133.50	3.05	3.05	100	3.05	100	MS	FR		
133.50	136.55	3.05	3.05	100	2.55	84	MS	FR		
136.55	139.29	2.74	2.52	92	1.50	55	MS	FR		
139.29	142.34	3.05	3.05	100	2.40	79	MS	FR		
142.34	145.39	3.05	3.05	100	2.25	74	MS	FR		
145.39	148.44	3.05	3.05	100	1.64	54	MS	FR		
148.44	151.49	3.05	3.05	100	2.91	95	MS	FR		
151.49	154.69	3.20	3.07	96	2.61	82	MS	FR		
154.69	157.89	3.20	3.10	97	2.67	83	MS	FR		
157.89	160.93	3.04	3.04	100	2.87	94	MS	FR		
160.93	164.13	3.20	3.06	96	2.05	64	MS	FR		
164.13	167.18	3.05	3.02	99	2.10	69	MS	FR		
167.18	170.38	3.20	3.09	97	2.67	83	MS	FR		
170.38	172.21	1.83	1.82	99	1.61	88	MS	FR		
172.21	175.26	3.05	3.05	100	2.26	74	MS	FR		
175.26	178.31	3.05	2.99	98	2.58	85	MS	FR		
178.31	181.36	3.05	3.02	99	2.70	89	MS	FR		
181.36	184.40	3.04	2.70	89	1.69	56	MS	FR		
184.40	187.45	3.05	2.95	97	2.60	85	MS	SW		
187.45	190.50	3.05	2.94	96	2.56	84	MS	SW		
190.50	193.55	3.05	2.93	96	2.60	85	MS	FR		
193.55	196.60	3.05	2.94	96	2.58	85	MS	FR		
196.60	199.64	3.04	3.04	100	2.04	67	MS	FR		
199.64	202.69	3.05	2.98	98	2.43	80	MS	SW		
202.69	205.74	3.05	2.94	96	1.78	58	MS	FR		
205.74	208.79	3.05	2.88	94	2.25	74	MS	SW		
208.79	211.84	3.05	2.90	95	2.39	78	MS	SW		
211.84	214.88	3.04	3.04	100	2.58	85	MS	SW		
214.88	217.93	3.05	2.91	95	2.68	88	MS	SW		
217.93	220.98	3.05	2.92	96	1.71	56	MS	SW		
220.98	222.50	1.52	1.28	84	0.22	14	MS	MW		
222.50	225.55	3.05	2.77	91	2.08	68	MS	MW	7.5YR 3/5	
225.55	228.60	3.05	3.02	99	2.38	78	MS	SW		
228.60	231.65	3.05	3.05	100	0.73	24	MS	HW	7.5YR 5/6	
231.65	234.70	3.05	3.05	100	0.13	4	W	HW	7.5YR 4/6	
234.70	235.31	0.61	0.35	57	0.13	21	W	HW		
235.31	238.35	3.04	2.90	95	1.76	58	MS	MW		
238.35	241.40	3.05	3.04	100	2.89	95	MS	MW		
241.40	244.45	3.05	3.00	98	2.19	72	MS	FR		
244.45	247.50	3.05	3.02	99	2.45	80	MS	FR		
247.50	250.70	3.20	3.05	95	2.80	88	MS	FR		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
250.70	253.90	3.20	3.05	95	2.65	83	MS	FR		
253.90	256.95	3.05	3.05	100	2.92	96	MS	FR		
256.95	260.15	3.20	3.05	95	2.95	92	MS	FR		
260.15	262.13	1.98	1.94	98	1.94	98	MS	FR		
262.13	E.O.H.									

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-75

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	OVB		N/A	
2.00	OVB		N/A	
3.00	OVB		N/A	
4.00	OVB		N/A	
5.00	LST	DOL	0.43	
6.00	LST	DOL	15.90	
7.00	LST	DOL	1.45	
8.00	LST	DOL	2.64	
9.00	LST	DOL	0.45	
10.00	LST	DOL	0.04	
11.00	LST	DOL	0.08	
12.00	LST	DOL	0.03	
13.00	LST	DOL	0.06	
14.00	LST	DOL	0.02	
15.00	LST	DOL	0.00	
16.00	LST	DOL	0.06	
17.00	LST	DOL	0.04	
18.00	LST	DOL	0.63	
19.00	LST	DOL	0.55	
20.00	LST	DOL	0.10	
21.00	LST	DOL	0.00	
22.00	LST	DOL	0.04	
23.00	LST	DOL	0.02	
24.00	LST	DOL	0.00	
25.00	LST	DOL	0.04	
26.00	LST	DOL	0.00	
27.00	LST	DOL	0.02	
28.00	LST	DOL	0.10	
29.00	LST	DOL	0.22	
30.00	LST	DOL	0.00	
31.00	LST	DOL	0.00	
32.00	LST	DOL	0.00	
33.00	LST	DOL	0.00	
34.00	LST	DOL	0.00	
35.00	LST	DOL	0.00	
36.00	LST	DOL	0.00	
37.00	LST	DOL	0.00	
38.00	LST	DOL	0.00	
39.00	LST	DOL	0.00	
40.00	LST	DOL	0.00	
41.00	LST	DOL	0.00	
42.00	LST	DOL	0.04	
43.00	LST	DOL	0.14	
44.00	LST	DOL	0.02	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	LST	DOL	0.00	
46.00	LST	DOL	0.00	
47.00	LST	DOL	0.00	
48.00	LST	DOL	0.00	
49.00	LST	DOL	0.00	
50.00	LST	DOL	0.00	
51.00	LST	DOL	0.06	
52.00	LST	DOL	0.00	
53.00	LST	DOL	0.00	
54.00	LST	DOL	0.00	
55.00	LST	DOL	0.00	
56.00	LST	DOL	0.00	
57.00	LST	DOL	0.00	
58.00	LST	DOL	0.00	
59.00	LST	DOL	0.00	
60.00	LST	DOL		
61.00	LST	DOL	0.00	
62.00	LST	DOL	0.02	
63.00	LST	DOL	0.00	
64.00	LST	DOL	0.00	
65.00	LST	DOL	0.00	
66.00	LST	DOL	0.00	
67.00	LST	DOL	0.00	
68.00	LST	DOL	0.00	
69.00	LST	DOL	0.00	
70.00	LST	DOL	0.00	
71.00	LST	DOL	0.00	
72.00	LST	DOL	0.00	
73.00	LST	DOL	0.00	
74.00	LST	DOL	0.00	
75.00	LST	DOL	0.00	
76.00	LST	DOL	0.00	
77.00	LST	DOL	0.00	
78.00	LST	DOL	0.00	
79.00	LST	DOL	6.54	
80.00	LST	DOL	0.20	
81.00	LST	DOL	0.00	
82.00	LST	DOL	0.61	
83.00	LST	DOL	3.83	
84.00	LST	DOL	0.06	
85.00	LST	DOL	0.00	
86.00	LST	DOL	0.00	
87.00	LST	DOL	0.08	
88.00	LST	DOL	0.04	
89.00	LST	DOL	0.00	
90.00	LST	DOL	0.22	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	LST	DOL	0.04	
92.00	LST	DOL	0.02	
93.00	LST	DOL	0.00	
94.00	LST	DOL	0.02	
95.00	LST	DOL	0.00	
96.00	LST	DOL	0.00	
97.00	LST	DOL	0.00	
98.00	LST	DOL	0.00	
99.00	DOL		0.14	
100.00	DOL		0.51	
101.00	DOL		0.04	
102.00	DOL		0.26	
103.00	DOL		0.20	
104.00	DOL		0.22	
105.00	DOL		0.04	
106.00	DOL		0.20	
107.00	DOL		0.14	
108.00	DOL		0.34	
109.00	DOL		0.26	
110.00	DOL		0.28	
111.00	DOL		0.69	
112.00	DOL		1.25	
113.00	DOL	VOL	1.70	
114.00	DOL	VOL	12.50	
115.00	DOL	VOL	7.93	
116.00	VOL		0.55	
117.00	VOL		3.03	
118.00	VOL		1.14	
119.00	VOL		2.90	
120.00	VOL		0.51	
121.00	VOL		1.35	
122.00	VOL		0.38	
123.00	VOL		0.30	
124.00	VOL		0.35	
125.00	VOL		1.35	
126.00	VOL		18.50	
127.00	VOL		6.12	
128.00	VOL		1.37	
129.00	VOL		1.18	
130.00	VOL		1.37	
131.00	VOL		8.40	
132.00	VOL		2.27	
133.00	VOL		3.42	
134.00	VOL		5.45	
135.00	VOL		5.98	
136.00	VOL		2.09	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	VOL		3.15	
138.00	VOL		1.02	
139.00	VOL		16.20	
140.00	DOL	MX	6.39	
141.00	DOL	MX	63.80	
142.00	DOL	MX	2.99	
143.00	DOL	MX	0.43	
144.00	DOL	MX	2.80	
145.00	DOL	MX	0.08	
146.00	DOL	MX	0.23	
147.00	DOL	MX	0.24	
148.00	DOL	MX	14.00	
149.00	DOL	MX	0.88	
150.00	DOL	MX	14.20	
151.00	DOL	MX	3.30	
152.00	DOL	MX	0.92	
153.00	DOL	MX	3.66	
154.00	DOL	MX	18.00	
155.00	DOL	MX	0.53	
156.00	DOL	MX	4.92	
157.00	DOL	MX	12.70	
158.00	DOL	MX	1.02	
159.00	DOL	MX	5.10	
160.00	DOL	MX	3.34	
161.00	DOL	MX	6.27	
162.00	DOL	MX	5.22	
163.00	DOL	MX	13.30	
164.00	DOL	MX	0.14	
165.00	DOL	MX	3.03	
166.00	DOL	MX	0.22	
167.00	DOL	MX	0.27	
168.00	DOL	MX	0.16	
169.00	DOL	MX	1.76	
170.00	DOL	MX	5.10	
171.00	DOL	MX	2.21	
172.00	DOL	MX	0.02	
173.00	DOL	MX	4.51	
174.00	DOL	MX	0.00	
175.00	DOL	MX	0.26	
176.00	DOL	MX	0.08	
177.00	DOL	MX	0.10	
178.00	DOL	MX	0.16	
179.00	DOL	MX	0.00	
180.00	DOL	MX	0.10	
181.00	DOL	MX	0.28	
182.00	DOL	MX	0.16	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00	DOL	MX	0.24	
184.00	DOL	MX	0.08	
185.00	DOL	MX	0.53	
186.00	DOL	MX	0.69	
187.00	DOL	MX	0.10	
188.00	DOL	MX	0.16	
189.00	DOL	MX	0.98	
190.00	DOL	MX	0.36	
191.00	DOL	MX	0.10	
192.00	DOL	MX	2.29	
193.00	DOL	MX	0.00	
194.00	DOL	MX	0.18	
195.00	DOL	MX	0.08	
196.00	DOL	MX	0.06	
197.00	DOL	MX	0.14	
198.00	DOL	MX	0.20	
199.00	DOL	MX	0.18	
200.00	DOL	MX	0.00	
201.00	DOL	MX	0.08	
202.00	DOL	MX	0.00	
203.00	DOL	MX	0.10	
204.00	DOL	MX	0.98	
205.00	DOL	MX	0.06	
206.00	DOL	MX	0.00	
207.00	DOL	MX	0.12	
208.00	DOL	MX	0.88	
209.00	DOL	MX	1.18	
210.00	DOL	MX	0.18	
211.00	DOL	MX	0.08	
212.00	DOL	MX	0.30	
213.00	DOL	MX	0.45	
214.00	DOL	MX	0.30	
215.00	DOL	MX	0.24	
216.00	DOL	MX	0.02	
217.00	DOL	MX	0.10	
218.00	DOL	MX	0.04	
219.00	DOL	MX	0.12	
220.00	DOL	MX	0.02	
221.00	DOL	MX	0.04	
222.00	DOL	MX	0.00	
223.00	DOL	MX	0.24	
224.00	DOL	MX	0.53	
225.00	DOL	MX	0.00	
226.00	DOL	MX	0.00	
227.00	DOL	MX	0.16	
228.00	DOL	MX	0.34	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
229.00	DOL	MX	0.22	
230.00	DOL	MX	0.06	
231.00	DOL	MX	0.06	
232.00	DOL	MX	0.26	
233.00	DOL	MX	0.10	
234.00	DOL	MX	0.20	
235.00	DOL	MX	0.22	
236.00	DOL	MX	0.04	
237.00	DOL	MX	0.04	
238.00	DOL	MX	0.49	
239.00	DOL	MX	0.45	
240.00	VOL	MX	0.00	
241.00	LEP		0.00	
242.00	LEP		0.77	
243.00	LEP		1.88	
244.00	LEP		0.00	
245.00	LEP		0.51	
246.00	LEP		0.24	
247.00	LEP		1.66	
248.00	LEP		0.67	
249.00	LEP		1.10	
250.00	LEP		0.55	
251.00	LEP		2.21	
252.00	LEP		0.94	
253.00	LEP		0.45	
254.00	LEP		0.00	
255.00	LEP		0.00	
256.00	LEP		0.00	
257.00	LEP		0.12	
258.00	LEP		0.00	
259.00	LEP		0.49	
260.00	LEP		0.04	
261.00	LEP		0.00	
262.00	LEP		0.63	

DENSITY LOG

HOLE: Rau-10-75

Depth (m)	Unit	Modifier	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
			Py %	As %	Other	%							
68.42	LST	DOL					SBX TEXTURE	14.8	4.2	578.6	373.5	2.88	2.82
74.25	LST	DOL					CBX TEXTURE	14.6	4.2	575.1	373.0	2.90	2.85
92.90	LST	DOL						14.7	4.2	568.0	364.7	2.84	2.79
98.50	DOL		1					14.9	4.2	597.4	392.0	2.95	2.91
114.50	VOL	DOL	1					14.9	4.2	602.2	396.0	2.97	2.92
121.87	VOL	SER	1					14.9	4.2	599.5	392.4	2.96	2.89
132.30	VOL	SER	5	2	PO	1		14.8	4.2	608.9	403.2	3.03	2.96
138.80	DOL	MX	2		PO	80		14.8	4.2	844.2	641.6	4.20	4.17
151.70	DOL	MX	2		PO	10		14.7	4.2	679.9	476.9	3.40	3.35
176.90	DOL	MX	5					14.9	4.2	690.4	483.1	3.41	3.33
204.80	VOL		2					15.0	4.2	584.6	377.3	2.87	2.82

BOX LOG

HOLE: Rau-10-75

BOX	FROM (m)	TO (m)
1	4.70	13.11
2	13.11	16.92
3	16.92	21.86
4	21.86	26.95
5	26.95	32.00
6	32.00	37.17
7	37.17	42.60
8	42.60	47.75
9	47.75	53.21
10	53.21	58.65
11	58.65	64.10
12	64.10	69.58
13	69.58	74.68
14	74.68	79.70
15	79.70	84.43
16	84.43	89.16
17	89.16	93.65
18	93.65	99.15
19	99.15	104.94
20	104.94	110.42
21	110.42	115.82
22	115.82	121.38
23	121.38	126.66
24	126.66	132.23
25	132.23	137.78
26	137.78	143.43
27	143.43	148.60
28	148.60	154.33
29	154.33	160.01
30	160.01	165.71
31	165.71	171.40
32	171.40	176.88
33	176.88	182.57
34	182.57	188.18
35	188.18	193.80

BOX	FROM (m)	TO (m)
36	193.80	199.44
37	199.44	205.12
38	205.12	210.54
39	210.54	216.00
40	216.00	221.25
41	221.25	226.67
42	226.67	232.28
43	232.28	234.70
44	234.70	240.08
45	240.08	245.42
46	245.42	251.17
47	251.17	256.95
48	256.95	262.13
E.O.H. 262.13 m		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
09+850NW	10+170NE	528717	7119041	1357	458.72

ZONE: East

SECTION: 09+850NW

HOLE: **Rau-10-76**

CLAIM: Rau 56

Contractor: Superior

Drill: 1

Core size: BTW

Casing depth: 6.09 m out

Drilling dates: June 4 - June 9, 2010

Geology logged by: K. Unger, J. Lane

TARGET: East Zone and lower fault

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-73.0	compass	274.32	229	-75.4	ranger
60.96	227	-75.2	ranger	320.04	229	-75.2	ranger
137.16	227	-75.2	ranger	365.76	231	-74.6	ranger
198.12	228	-75.3	ranger	426.73	234	-74.8	ranger

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	4.35	4.35	OVB	
4.35	131.16	126.81	LST	
131.16	133.75	2.59	MBL	
133.75	158.44	24.69	VOL	
158.44	319.88	161.44	LST	Dolomitized
319.88	350.83	30.95	VOL	
350.83	393.80	42.97	LST	Brecciated
393.80	458.72	64.92	LST	Dolomitized and brecciated
358.72	E.O.H.			

SAMPLES

Numbers: I074832-I074893, I074955-I074973

Total: 81

Batch: 10, 11, 13, 14

Date Sent: June 16, 17, 18,1 9, 2010

Certificate: VA10082260, VA10082228, VA10082227

VA10083887

COMMENTS

The hole was ended because it had reached its targeted depth.

GEOLOGY LOG

HOLE: Rau-10-76

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	Photo
0.00	4.35	4.35				OVB																					
4.35	131.16	126.81				LST			Dark to light grey, variably fossiliferous LST, variably brecciated and marbleized throughout. Rock exhibits variable strain texture throughout. Oxidation is weak some fractures appearing rusty on fracture surfaces.							w										
			4.35	18.50	14.15	LST	FOS		Dark to medium grey FOS LST, exhibiting fine to medium grained seds, sometimes with coarse, sub-rounded clasts up to 1 cm in size (debris flow? Bioturbitation?). Narrow, <1 cm Ca bands/veinlets aligned weakly with FO. Crinoids and other fossils present, star crinoids up to 1 cm in diameter. Fossil occurrence decreasing with depth, becoming cryptic to obscured by strain fabric.							w										x
									Silty brown-grey interbeds defining FO, 55 degrees TCA.	FO	55																
									White, calcareous <1 cm wide veinlets, 3 per meter, parallel with FO.	VN	55	0	3														
									Sinuous, white Ca vein cross cutting carbonate vein above, deforming rock locally to previous vein boundary, 25 degrees TCA, 170 degrees to FO.	VN	25	70															
			18.50	36.65	18.15	LST		cBX	Dark to medium grey LST, variably cBX, with relict breccia clasts exhibiting strain. Eventually BX clasts becoming elongate with core axis, to obscured with depth. Strain fabric increasing down hole.																		
									FO is weak, 10 degrees TCA, defined by elongate, strained breccia clasts,	FO	10																
			36.65	67.27	30.62	LST	MBL		Light to dark grey, variably marbleized (from weak to medium strong) LST. Relict BX texture becoming obliterated by marbleization, dark matrix becoming near-stylolitic in appearance with increasing marbleization, and exhibiting strain fabric. LST is fine grained, increasing to medium grained where marbleization has occurred.							f										
									Foliation is variable between 0 and 20 degrees TCA defined by dissolution/stylolitic bands in marbleized LST.	FO	10																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			67.17	79.95	12.78	LST	FOS		Dark grey to medium grey fossiliferous LST, interbedded with silty, light grey layered, variably deformed layers. Strained throughout, with augens in narrow interbeds exhibiting pressure shadows (perhaps dextral shear?). White Augens are set against the dark matrix, up to 1.1 cm in diameter, coarser grained than rest of interval. Rounded, blebs of lighter grey, coarser grained LST (bioturbitation?) infrequent, small, <0.5 cm crinoids present with other comb-shaped (teeth like) fossils up to 1.2 cm in width.																	
									FO is 25 degrees TCA, defined by interbeds of grey silty layers in LST. As well, the augens are elongated by the FO.	FO	25																
			79.95	116.82	36.87	LST		cBX	Dark to light grey LST exhibiting a relict cBX texture that is variably obscured by strain throughout. Lighter grey BX clasts occur in a darker matrix. The clasts and matrix are deformed by strain. \the matrix becomes stringer/stylolite-like with increasing strain. The interval becomes weakly marbleized with depth.								MBL	t									
									Strain/shear variable throughout, oriented variably throughout interval from 45 degrees TCA to parallel, back to 45 degrees, defining a weak and variable FO.	FO	25																
									Narrow, Ca veinlets intermittent throughout, both sheared and unsheared, but lacking crosscutting relationship between the two different veinlet types. Unsheared veinlets 40 degrees TCA, 210 degrees to FO. Sheared veins lack a common orientation.	VN	40	210	3															
			116.82	131.16	14.34	LST	MBL		Light to medium grey, variably marbleized LST, strongly uniform in FO, banded in appearance with FG LST crystals exhibiting medium grained, sugary recrystallization texture. Dark bands in rock appearing from bands up to 2 cm in width to narrow, near stylolitic (dissolution?). Marbleization increases with depth.																		
									Strong FO, 40 degrees TCA, defined by banding in LST.	FO	40																
									Crack sealed, < 1 mm Ca veinlet, with mm scale offset in crosscutting dark bands within the marbleized LST, 40 degrees TCA, 10 degrees to foliation.	VN	40	10															

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
131.16	133.75	2.59				MBL			White marble with narrow black intermittent bands throughout that share a common orientation. Interbeds of VOL are present down hole, and exhibit sericite to biotite (potassic?) alteration. Trace Py present in VOL beds. Bedding planes are sheared. The contact between marble and beds exhibiting shear, is very wavy and deformed.									SER	w	t							
133.75	158.44	24.69				VOL			Green to dark green, intensely chloritic, soft, variably amygdaloidal, variably magnetic, FG VOL. Ca-amygdales and Ch-VOL variably strained/sheared throughout. Green VOL becoming brown with depth (ser + bi?), white Ca amygdales becoming grey (doll?) with browning of VOL. FG Py mineralization overprinting brown VOL.									CHL	i	t							
									FO defined by amygdale shape and orientation, both giving a weak FO of 45 degrees TCA.	FO	45																
			133.75	137.83	4.08	VOL			Dark green, intensely chloritic, amygdaloidal VOL, amygdales compose ~10% of rock. The unit is magnetic throughout. Amygdales are calcareous in composition, fizzing readily with 10% HCl.									CHL	i								
									Foliation defined by amygdaloidal shape and orientation, weakly 45 degrees TCA.	FO	45																
			137.83	143.29	5.46	VOL			Green, FG intensely chloritic VOL, lacks amygdales as above. Ca veinlets throughout.									CHL	i								
									Narrow 0.5 cm wide Ca veinlets, 40 degrees TCA with a density of 3 per metre.	VN	40		3														
									Qz-Ca veinlet, 0.7 cm wide, 45 degrees TCA, minor CHL present in vein, crosscutting calcareous, 1 mm wide stringers. <1 cm pods with a light green selvage, pinkish and soft (Hem staining on Ca?).	VN	45																
									Qz-Ca-Chl vein 22 cm wide, banded Cl-Ca in appearance, parallel to FO, deforming relict bedding (?) locally at vein boundary.	VN	40	0															
			143.29	154.51	11.22	VOL			Green to green-brown FG CHL altered VOL, variably amygdaloidal throughout and non-magnetic. Amygdales, become slightly larger, are filled with Ca. Both the amygdales and Ca veinlets/stringers exhibit shear.									CHL	i	t							x
			144.26						Coarse, Ca-Qz vein, 20 cm wide "brecciation" CHL VOL. Py is present on selvages and occurs as coarse, sub-hedral grains.	VN	50		2							t							

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			145.55						Qz-Ca vein with a sheared texture in chlorite alteration extending 60 cm into the VOL on either side of vein.	VN	45																
			154.51	156.90	2.39	VOL			Reddish brown, amygdaloidal FG VOL, with biotite and sericite(?) overprinting chlorite. There is a gradational change from green to brown over 35 cm (potassic alteration?) Py present in brown VOL matrix and in white amygdales as fine grained overgrowths.									SER	f	t			Bi	25			
									Brown, sericitized, dolomitized Py mineralized fine grained VOL, biotite(?) overprinting ser and chlorite, Py present as fine grained wispy bands and rims around amygdales to FG masses overprinting dark minerals (biotite? Chlorite?)									SER	m	m			Bi	35			
158.44	319.88	161.44				LST	DOL		White and light grey to dark grey intensely dolomitized LST, variably brecciated and deformed throughout. Weak Po present as FG masses in Po-Ca-Qz veins, Py mineralization present as MG overgrowths in Po veins (P3?) to fine grained wispy bands and disseminations (P2?) throughout. Py mineralization increasing with depth. Trace talc associated with Po-Qz-Ca veins.					i				TLC	t	w		w						
			158.84	164.55	5.71	LST	DOL	cBX	Dark to medium grey, intensely dolomitized crackle brecciated LST. The breccia fabric appears deformed/strained, becoming wavy as opposed to angular. The upper contact is sharp, VOL terminated with FG Py vein, 1.2 cm wide with a gradational lightening of limestone in colour nearing VOL over 10 cm. Trace fine grained Py disseminated variably.					i						t								
									FO variable, from none to moderately strong, at 30 degrees TCA where strained, becoming 5 degrees TCA with depth.	FO	30															
									Ca veinlet, cross cutting cBX, 0 degrees to FO and 5 degrees TCA.	VN	5	0															
			164.55	188.45	23.90	LST	DOL	MBL	Light to medium grey, intensely dolomitized limestone, generally monochromatic (MBL?), variably exhibiting recrystallization and dissolution. Rock also hosting medium grey, FG DOL with intervals of "paisley" textured LST with nebulous, MG white crystals bordered by small, black tooth-like minerals (dissolution?) in banded, light grey LST matrix. Weakly cBX at 171.05 m.					i						w		w						x

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			167.18						Po-Py-Marcacite(?) vein, 30 degrees TCA, strongly magnetic, MG, "massive" Po with MG Py replacement <1cm throughout with dark, similar hardness 2-3 mm (reaction?) rims surrounding Py. A brassy-orange (marcacite? tarnish?) overprinting Po. Coarse grained, bright, Py (P3?) over printing Po and Py. Talc alteration occurs along vein selvages.	VN	30									30		50	Ma	3				
			188.45	212.40	23.95	LST	DOL	cBX	Light to medium grey, variably cBX LST, intensely dolomitized. cBX variable throughout, sometimes appearing strained to soft-sed deformation(?) in appearance. Some recrystallization and dissolution textures occur with white DOL BX clasts being rimed with dark "tooth like" dissolution seams. Trace Py and Po in veins.					i						t		t						
									Talc-tremolite (altered MBL?) with Po overprinting fibrous, coarse grained tremolite (hardness ~5-6, crystals breaking in narrow fibres). Bright, medium to coarse grained Py (P3?) overprinting Po. Vein at @ 194.20 m.	VN	70																	
			196.00	197.00	1.00				CG Py and talc, with weak tremolite, Po is absent. (complete Py replacement?) @ 196.00 and 197.00 m.	VN	45																	
			212.40	285.09	72.69	LST	DOL	BX	White to dark grey, variably brecciated, intensely dolomitized LST exhibiting rebrecciated sBX to cBX by crackle breccia textures. Minor mBX is also present. Earlier brecciation appearing variably strained, and "out of focus", fuzzy recrystallization and is cross cut by sharper cBX. Occasionally bleached in appearance (dolomitized MBL?) Some Py mineralization is associated with replacing Po in Po-Py-Talc-Ca veins to MG masses with bleached, 12 cm selvages. Local trace Py and Po replacing fiberous dark mineral (actinolite).					i						t		w						
									Po vein with talc-tremolite-chlorite selvage, talc appears as pearly plates. The vein selvage bleaches the LST for approx 3 cm on either side.	VN	90											90						
			249.00	251.50	2.50				Po-Py-Tc vein. Po varies from blebby disseminations to 6 cm wide masses. Py is coarse grained and overprinting Po. Talc is associated as a matrix/host(?) mineral (Marble to talc to Po to Py?) Photo taken.	VN																		x

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	Photo
			285.09	319.88	34.79	LST	DOL	BX	White to medium grey, intensely DOL, variably brecciated LST exhibiting variable strain throughout, hosting wide Qz veins. LST appears bleached (MBL?) above Qz veins. The entire interval is weakly ankerite altered. Qz-Py-Tc-Dol (Ca to DOL?) up to 4.15 m wide, hosting coarse grained Py (P3?). Py is also present as MG, bright crystals in LST.					s	s													x
									Strongly ankerite, yellow stained LST (VOL?) exhibiting strong shear fabric. ANK as FG overprint of LST to coarse recrystallizations rimming Ca (Dol?) veins (exsolution of Fe-rich phase?)	SH																		x
			300.85	304.00	3.15				4.15 m wide Qz-Py-Tc-Dol (weak Ca) vein, 50 degrees TCA. Py occurs as masses of MG crystals nebulous in shape, trace dark alteration on Py (chlorite?). No Po (later vein? Complete replacement?)	VN	50									s								
			308.95	311.00	2.05				Vein from 308.95 to 311.00, Qz-Py-Ca-Tc vein, pyritic as MG to CG masses replacing Po, of which only trace amounts remain.	VN	40									s		t						
319.88	350.83	30.95				VOL			Green-grey to brown, banded fine grained volcaniclastic, variably SER altered and variably magnetic. Sulphides variably hosted throughout with Py and Po as FG wispy bands following FO to coarse, bright crystals of Py (P3?) overprinting Po present as FG to MG masses. Strong foliation throughout (relic bedding?)									SER	s	w		t							
			319.98	320.59	0.61	VOL			Green, banded FG VOL, strongly SER altered with chloritic bands, soft, hosting MG Py preferentially in non-sericitic bands.									SER	s	f							
									Very strong foliation, 35-40 degrees TCA defined by banding.	FO	40																	
			320.59	323.19	2.60	VOL			Green, banded strongly SER altered VOL with chloritic bands hosting FG bands of PY to MG masses following FO, preferential to dark, non-sericite altered bands. The interval is non magnetic.									SER	s	ms								
									Strong FO defined by bands, 40 degrees TCA	FO	40																	
			323.19	325.70	2.51	VOL			Green and brown FG VOL, strongly SER with grey, silty "interbeds" increasing with depth. Weakly mineralized compared to above, trace Po and Py in narrow Qz veinlets and FG magnetite blebs disseminated in green bands.									SER	ms	t		t	Fu	t	Mg	t		
									Strongly FO, 40 degrees TCA defined by bands	FO	40																	

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									Narrow, 2-3 mm Qz veinlets hosting MG Po with MG Py on vein selvages, locally deforming VOL layers.	VN	50	320															
			325.66	327.08	1.42	VOL			Dark brown-green FG-MG (biotite altered?) weakly sericitic with moderate chlorite VOL. Trace FG Py in grey lenses between dark (Cl? Bi?) layers.									BIO	s	t							
									Strong FO, 40 degrees TCA, defined by banding	FO	40																
									1 mm Ca-Cl stringers crosscutting banding at steeper angle than foliation.	VN	50	0															
			327.08	327.90	0.82	VOL			Green with narrow brown bands, strongly sericitized FG VOL with FG-MG Po overprinted by Py, preferential darker, less SER-altered bands. Sulphides present are sub-crystalline in form. Brown bands exhibit soft, fuzzy texture (late biotite?)									SER	s	w		m					
									Strong FO 40 degrees TCA defend by banding	FO	40																
									Po and Qz vein, Po masses overprinted by coarse Py.	VN	60	170								35		15					x
			327.90	333.13	5.23	VOL			Green to dark brown banded, amygdaloidal, FG-MG VOL, strongly SER altered throughout. Amygdules intensely strained to elongated tabular shaped blebs stretched along FO orientation. Some Py hosted in strained amygdales. Po present, preferential to dark bands vs. SER (Po over Bi?) Variably magnetic from FG Po and MG(Mg?) in green VOL.									SER	s	t		t	t	Mg			
																				BIO	s							
									Strong FO, 35 degrees TCA, defined by strained amygdales and banding.	FO	35																
									Narrow 1 to 5 mm Qz-Po veinlets, crosscutting FO.	VN	60	180	2														
			333.13	334.62	1.49	VOL			Brown to green strongly BIO and SER altered VOL exhibiting elongated, strongly altered clasts (strained pebble conglomerate?) Relationship between BIO and SER alteration cryptic. Po mineralization is FG in Bi-rich layers. Matrix minerals are pinched around clasts aligned with the FO. Clasts appear polymictic, grey-blue, yellow to green in colour, up to core diameter in flattened width.									SER	s								x
																				BIO	s							
									Strong, 35 degrees TCA, defined by strained "clasts", banding.	FO	35																

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			334.62	346.42	11.80	VOL			Variably green and brown, BIO and SER altered, moderately blocky VOL. Py present as FG to MG whips to near massive bands up to 15 cm wide, parallel with FO. Nonmagnetic throughout.									SER	s	m							
																		BIO	ms								
									Strong FO, 35 degrees TCA, defined by banding	FO	35																
			346.62	349.47	2.85	VOL			Green FG-MG, intensely SER VOL, lacking strain fabric as above. Weak BIO alteration, frequency of brown bands decreasing with depth, following weak FO. Weak Po mineralization as blebs intermittent throughout. Py present as FG masses near bottom of interval.									SER	i			w					
									Weak FO defined by soft bands and grain orientation.	FO	40																
			349.47	350.83	1.36	VOL		tBX	Contact between VOL and LST appears to be a healed fault, tBX in appearance with grey, <4 cm clasts in soft, grey-brown "fault gouge" like matrix. Contact with lower unit sharp, 8 cm white Ca selvage between grey LST and tBX. Py present as coarse grains, exhibiting Ca "pressure shadow" heads and tails (?) and near complete replacement of Po.	lCN																	x
350.83	393.80	42.97				LST		BX	White to medium grey LST, variably BX throughout, exhibiting crackle to tectonic breccia textures. Weakly mineralized with sulphides, mineralization stronger at top of LST interval. Fizzes readily throughout with 10% HCl. Trace to no dolomitization. Textures at times exhibiting rebrecciation.											t		t					
			350.83	353.20	2.37	LST		BX	Black, non-calcareous brecciated LS hosting wispy Po masses replaced by Py. Rock appearing sheared, FG Py overprinting Ca veinlet at 351.40 m.																		
			353.20	385.80	32.60	LST		BX	White to light grey, variably rebrecciated cBX to tBX and rebrecciated LST. cBX overprinting sBX textures. Tectonic Brecciation appearing later, overprinting earlier brecciation at ~386 m depth.																		
									Coarse grained Py replacing Po in wide vein at 359.87 to 360.50 m. Py is bright, coarse, brassy (P3?)	VN										s		m					
			385.80	393.80	8.00	LST	DOL	tBX	Variably tBX LST, dark clasts <1.7 cm in size in FG grey to white matrix. Interval hosts deformed narrow calcite veinlets. Rock is weakly DOL.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
393.80	458.72	64.92				LST	DOL	BX	White to dark grey, variably brecciate, intensely dolomitized LST, variable Py mineralization throughout (appearing digenetic?). Rock exhibits none to weak fizzing with 20% HCl. Py present as FG, nebulous masses to MG "shotgun" blasts in rock, sub cubic <5 mm crystals. Trace talc-tremolite alteration associated with few Qz veins in rock. Trace Po appearing FG, replaced by Py. Rock variably exhibits recrystallized, "granitic" texture. Trace fossils present at top of interval.					i				TLC	t	t		t						
			393.80	404.45	10.65	LST	DOL	BX	Dark grey to light grey, variably brecciated, intensely dolomitized LST, weakly fossiliferous. Py present as FG disseminations in dark LST to bands following dark breccia matrix minerals, to MG "shotgun" masses. Variably strained throughout.					i						t								
									Weakly foliated, 40-50 degrees TCA, defined by strain fabric.	FO	45																
			400.75	401.40	0.65	LST	FOS		Fossiliferous 400.75 to 401.40 m, small <1 cm crinoid rings present, other trace fossils present are fragmented, becoming deformed with depth.																		
									Qz-Ca-Tr-Tc veinlet, coarse grained, 2.0 cm wide, crosscutting foliation but oriented in same direction.	VN	30	0															
			404.45	406.31	1.86	DOL			Vuggy, CG recrystallized DOL, white crystals with dark matrix, Py present as fine grained nebulous cloud-like masses to MG "shotgun" masses.					i					w								
			406.31	413.50	7.19				Dark to light grey, variably brecciated, intensely dolomitized LST hosting Qz-Tc-Tr-Py veins. Py mineralization present as CG subcrystalline growths in veins and as FG-MG disseminations in dark LST.	VN	35		1														
									4 cm wide, Qz-Tr-Tc-Ca vein, coarse grained	VN	25								w								
									95 cm wide, coarse grained Qz-Tc-Tr-Ca-Py vein, MG Py present in "shotgun" texture along vein boundaries.																		
			413.50	416.71	3.21	DOL			Light to dark grey, recrystallized, moderately talc tremolite altered "granitic" in texture DOL, coarse grained lighter dolomite crystals set against a darker matrix. Py present as FG to MG disseminations in matrix. Talc-tremolite present as radiating, fibrous overgrowths (of Ca?)					i				TLC	m	t							

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			416.71	451.09	34.38	LST	DOL	BX	Light to dark grey, variably brecciated to rebrecciated dolomitized LST, recrystallization is not as strong as above. Trace Py associated with Qz veins as bright, MG crystals (P3?) to wispy, bright and brassy FG crystals along dark, younger breccia matrix paths. Py mineralization increases with depth. Rock is variably strained throughout from strong (silty interbeds?) to n/a, overall strain is weak throughout, but increases with depth. Few Ca veinlets in rock.					i						t							
									Foliation, when present, is strong at 30 degrees TCA, defined by bands in low numbers throughout rock (strained silty interbeds?) to more predominantly defined by strained breccia fabric after brecciation, increasing with depth.	FO	30															
									CG Qz-Tc-Tr-Ca veinlet, 6 cm wide, FG-MG "shotgun" Py found in vein selvage, up to 2 cm from vein boundary (P3?)	VN	35								w							
									CG Qz-Tc-Tr-Ca vein, 20 cm wide, locally deforming LST to narrow, sheeted bands up to 15 cm from vein (propagating through silty interlayer?) FG Py disseminated in strained selvage.	VN	30								w							
									CG, 1.5 cm wide Qz-Ca vein crosscutting brecciation, no sulphide mineralization present.	VN	30															
			451.09	458.72	7.63	LST	DOL	BX	Light to dark grey, intensely dolomitized, brecciated and rebrecciated LST, becoming weakly to moderately oxidized. Weak oxidation in rebrecciation matrix, oxidation more prevalent on fracture faces.					i		w	t									
			454.95	455.45	0.50	LST	DOL	tBX	Strongly DOL tBX, strongly oxidized breccia matrix. Rock is orange-grey in colour with fault rubble/gouge >0.5 cm in size. Competent core exhibits higher specific gravity (siderite altered?).							s	m									
									458.72 m: E.O.H. The hole was ended because it was past the targeted depth.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-76

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
148.74	151.79	3.05	VOL		2.96	97	I074832	10	<0.01	0.36	5	0.04	
151.79	154.84	3.05	VOL		3.05	100	I074834	10	0.01	0.06	3	0.09	
154.84	155.88	1.04	VOL		1.00	96	I074835	10	0.01	0.10	8	0.33	
155.88	158.52	2.64	VOL		2.56	97	I074836	10	0.01	0.07	22	0.13	
158.52	160.78	2.26	LST	DOL	2.20	97	I074837	10	0.01	0.03	7	9.14	
160.78	163.83	3.05	LST	DOL	2.17	71	I074838	10	0.01	0.02	8	0.75	
163.83	166.76	2.93	LST	DOL	2.30	78	I074839	10	<0.01	0.07	15	2.32	
166.76	169.67	2.91	LST	DOL	2.64	91	I074841	10	0.01	0.14	76	2.27	
169.67	172.15	2.48	LST	DOL	1.47	59	I074842	10	0.01	0.10	22	115.00	
172.15	173.43	1.28	LST	DOL	1.28	100	I074843	10	0.01	0.03	5	1.57	
173.43	176.48	3.05	LST	DOL	3.04	100	I074844	10	0.01	0.02	<5	0.19	
176.48	179.22	2.74	LST	DOL	1.07	39	I074845	10	0.01	0.05	27	0.49	
179.22	182.27	3.05	LST	DOL	2.77	91	I074846	10	<0.01	0.02	7	1.11	
182.27	185.32	3.05	LST	DOL	2.77	91	I074847	10	0.01	0.02	5	44.90	
185.32	188.37	3.05	LST	DOL	2.97	97	I074848	10	0.01	0.02	8	1.38	
188.37	191.00	2.63	LST	DOL	2.54	97	I074849	10	0.01	0.01	6	0.41	
191.00	194.00	3.00	LST	DOL	2.82	94	I074850	10	<0.01	0.01	<5	18.70	
194.00	197.05	3.05	LST	DOL	2.87	94	I074851	10	<0.01	0.09	248	244.00	
197.05	200.00	2.95	LST	DOL	2.90	98	I074853	10	0.01	0.01	<5	0.49	
200.00	203.00	3.00	LST	DOL	2.86	95	I074854	10	0.01	0.04	8	0.56	
203.00	206.00	3.00	LST	DOL	2.82	94	I074855	10	0.01	0.01	8	0.60	
234.70	237.74	3.04	LST	DOL	2.98	98	I074857	10	0.01	0.04	94	9.26	
237.74	240.79	3.05	LST	DOL	3.05	100	I074858	10	0.01	0.06	<5	6.75	
240.79	243.84	3.05	LST	DOL	2.97	97	I074859	10	0.01	0.05	<5	1.70	
243.84	246.89	3.05	LST	DOL	3.03	99	I074860	10	0.01	0.18	16	29.60	
246.89	249.97	3.08	LST	DOL	3.01	98	I074861	11	<0.01	0.39	<5	147.00	
249.97	252.98	3.01	LST	DOL	2.90	96	I074862	11	0.01	0.23	6	54.60	
252.98	256.03	3.05	LST	DOL	2.91	95	I074863	11	<0.01	0.05	5	2.86	
256.03	259.08	3.05	LST	DOL	3.00	98	I074864	11	<0.01	0.02	<5	1.37	
259.08	262.13	3.05	LST	DOL	3.02	99	I074865	11	<0.01	0.02	5	0.40	
262.13	264.87	2.74	LST	DOL	2.74	100	I074867	11	<0.01	0.02	<5	0.87	
264.87	267.92	3.05	LST	DOL	2.98	98	I074868	11	0.01	0.04	5	1.47	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
267.92	270.97	3.05	LST	DOL	2.93	96	I074869	11	0.02	0.07	135	21.90	
270.97	274.02	3.05	LST	DOL	3.03	99	I074870	11	<0.01	0.03	<5	1.52	
274.02	277.06	3.04	LST	DOL	3.04	100	I074871	11	<0.01	0.05	12	1.17	
277.06	280.11	3.05	LST	DOL	3.02	99	I074872	11	<0.01	0.06	<5	17.95	
280.11	283.00	2.89	LST	DOL	2.71	94	I074873	11	0.04	0.36	50	36.80	
283.00	286.00	3.00	LST	DOL	2.84	95	I074875	11	<0.01	0.05	<5	4.73	
286.00	289.00	3.00	LST	DOL	3.00	100	I074876	11	0.01	0.98	54	155.50	
289.00	292.00	3.00	LST	DOL	2.89	96	I074877	11	0.01	0.83	22	7.61	
292.00	293.56	1.56	LST	DOL	1.44	92	I074878	11	0.01	1.62	54	5.19	
293.56	296.56	3.00	LST	DOL	2.77	92	I074879	11	0.06	7.27	203	34.70	
296.56	298.70	2.14	LST	DOL	2.14	100	I074880	11	<0.01	2.10	7	37.60	
298.70	301.75	3.05	LST	DOL	3.03	99	I074881	11	0.02	6.16	151	73.80	
301.75	304.80	3.05	LST	DOL	2.70	89	I074882	11	0.01	4.51	136	158.00	
304.80	307.85	3.05	LST	DOL	3.00	98	I074883	11	<0.01	0.40	24	1.06	
307.85	308.90	1.05	LST	DOL	1.05	100	I074884	11	0.01	0.10	130	7.46	
308.90	311.31	2.41	LST	DOL	2.23	93	I074885	11	0.05	0.94	646	176.50	
311.31	314.00	2.69	LST	DOL	2.69	100	I074886	11	0.01	0.06	40	3.87	
314.00	317.00	3.00	LST	DOL	2.90	97	I074888	11	0.02	0.20	133	39.20	
317.00	319.88	2.88	LST	DOL	2.75	95	I074889	11	0.02	0.21	91	7.61	
319.88	320.59	0.71	VOL		0.71	100	I074890	11	0.02	0.23	164	18.65	
320.59	323.19	2.60	VOL		2.60	100	I074891	11	0.01	0.25	126	7.18	
323.19	325.70	2.51	VOL		2.46	98	I074955	13	<0.01	0.29	2	2.26	BREAK IN SEQUENCE
325.70	327.12	1.42	VOL		1.42	100	I074956	13	<0.01	0.43	1	0.13	
327.12	329.18	2.06	VOL		2.06	100	I074957	13	<0.01	0.47	1	37.00	
329.18	331.93	2.75	VOL		2.47	90	I074958	13	<0.01	0.59	1	0.92	
331.93	333.13	1.20	VOL		0.94	78	I074959	13	<0.01	0.32	0	1.12	
333.13	334.62	1.49	VOL		1.47	99	I074960	13	<0.01	0.55	2	3.69	
334.62	337.41	2.79	VOL		2.79	100	I074962	13	<0.01	0.52	15	25.50	
337.41	340.16	2.75	VOL		2.44	89	I074963	13	0.01	0.88	6	143.00	
340.16	342.00	1.84	VOL		1.32	72	I074964	13	<0.01	0.28	15	13.25	
342.00	344.73	2.73	VOL		2.64	97	I074965	13	<0.01	0.30	19	1.31	
344.73	347.78	3.05	VOL		2.99	98	I074966	13	<0.01	0.31	13	0.54	
347.78	350.52	2.74	VOL		2.69	98	I074967	13	0.01	0.32	17	1.46	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
350.52	353.57	3.05	LST	BX	2.97	97	I074968	13	<0.01	0.21	17	0.33	
353.57	356.62	3.05	LST	BX	3.03	99	I074969	14	0.02	0.23	5	0.18	
356.62	359.66	3.04	LST	BX	3.02	99	I074970	14	0.01	0.12	8	1.60	
359.66	361.00	1.34	LST	BX	1.32	99	I074971	14	0.01	0.31	2080	49.30	
361.00	364.00	3.00	LST	BX	2.88	96	I074972	14	<0.01	0.05	10	0.42	
397.96	400.81	2.85	LST	DOL	2.64	93	I074974	14	<0.01	0.03	13	1.28	
400.81	402.18	1.37	LST	DOL	1.41	103	I074975	14	<0.01	0.02	16	0.51	
402.18	404.45	2.27	LST	DOL	2.33	103	I074976	14	0.01	0.25	97	9.67	
404.45	407.48	3.03	LST	DOL	3.03	100	I074977	14	0.04	0.07	368	23.00	
407.48	410.45	2.97	LST	DOL	3.00	101	I074979	14	<0.01	0.01	51	1.12	
410.45	413.50	3.05	LST	DOL	2.91	95	I074980	14	0.06	0.08	259	19.85	
413.50	416.55	3.05	LST	DOL	3.05	100	I074981	14	0.04	0.04	129	2.21	
416.55	419.45	2.90	LST	DOL	2.93	101	I074982	14	<0.01	0.02	53	2.49	
419.45	422.45	3.00	LST	DOL	2.91	97	I074983	14	0.01	0.02	70	3.54	
422.45	425.45	3.00	LST	DOL	3.00	100	I074984	14	0.01	0.02	29	1.38	
425.45	428.45	3.00	LST	DOL	2.95	98	I074985	14	0.02	0.02	34	1.36	
428.45	431.45	3.00	LST	DOL	2.99	100	I074987	14	0.01	0.04	57	3.68	
431.45	434.45	3.00	LST	DOL	2.98	99	I074988	14	0.12	0.01	25	1.77	
434.45	437.45	3.00	LST	DOL	2.82	94	I074989	14	0.05	0.03	57	2.78	
437.45	440.45	3.00	LST	DOL	3.00	100	I074990	14	0.01	0.04	29	1.69	
440.45	443.45	3.00	LST	DOL	2.95	98	I074992	14	0.14	0.04	109	4.82	
443.45	446.45	3.00	LST	DOL	2.95	98	I074993	14	0.02	0.19	31	1.84	
446.45	449.45	3.00	LST	DOL	2.86	95	I074994	14	<0.01	0.04	15	0.45	
449.45	450.45	1.00	LST	DOL	0.99	99	I074996	14	0.02	0.03	45	2.27	
450.45	453.45	3.00	LST	DOL	2.90	97	I074997	14	<0.01	2.38	38	0.66	
453.45	456.45	3.00	LST	DOL	2.69	90	I074998	14	0.01	2.66	136	1.12	
456.45	458.72	2.27	LST	DOL	2.18	96	I074999	14	<0.01	0.07	9	0.37	
127.28	129.54	2.26	LST	DOL	2.26	100	I075074	16	<0.01	0.02	7	0.09	
129.54	131.16	1.62	LST	DOL	1.62	100	I075075	16	<0.01	0.01	8	0.02	
131.16	133.75	2.59	LST	DOL	2.59	100	I075076	16	<0.01	0.02	11	0.04	
133.75	135.30	1.55	LST	DOL	1.28	83	I075077	17	<0.01	0.17	6	0.52	
135.30	136.25	0.95	LST	DOL	1.22	128	I075078	17	<0.01	0.06	2	0.05	
136.25	138.68	2.43	LST	DOL	2.43	100	I075079	17	<0.01	0.10	<0.2	0.03	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
138.68	141.73	3.05	LST	DOL	3.05	100	I075080	17	<0.01	0.09	1	0.04	
141.73	143.26	1.53	LST	DOL	1.53	100	I075081	17	<0.01	0.09	4	0.04	
143.26	146.30	3.04	LST	DOL	3.04	100	I075082	17	<0.01	0.09	<5	0.02	
146.30	148.78	2.48	LST	DOL	2.48	100	I075083	17	<0.01	0.16	<0.2	0.02	
-	-	-	-	-	-	-	I074833	10	1.88	0.36	27700	266.00	STANDARD RSS-6
-	-	-	-	-	-	-	I074840	10	4.04	0.27	64300	228.00	STANDARD RSS-7
194.00	197.05	3.05	LST	DOL	2.87	94	I074852	10	<0.01	0.15	277	185.50	DUPLICATE
-	-	-	-	-	-	-	I074856	10	<0.01	0.01	6	0.08	BLANK (BTW)
-	-	-	-	-	-	-	I074866	11	2.82	0.67	1410	100.00	STANDARD RESS-8
280.11	283.00	2.89	LST	DOL	2.71	94	I074874	11	0.02	0.39	70	25.90	DUPLICATE
-	-	-	-	-	-	-	I074887	11	0.01	0.01	<5	0.08	BLANK (BTW)
-	-	-	-	-	-	-	I074892	11	0.01	0.03	<5	0.07	BLANK (BTW)
-	-	-	-	-	-	-	I074893	11	3.81	0.22	59400	231.00	STANDARD RSS-7
-	-	-	-	-	-	-	I074961	13	1.95	0.23	28400	265.00	STANDARD RSS-6
-	-	-	-	-	-	-	I074973	14	<0.01	0.01	<5	0.04	BLANK (BTW)
-	-	-	-	-	-	-	I074978	14	<0.01	0.01	11	0.04	BLANK (BTW)
-	-	-	-	-	-	-	I074986	14	1.82	0.28	27500	259.00	STANDARD RSS-6
437.45	440.45	3.00	LST	DOL	3.00	100	I074991	14	0.01	0.04	16	1.86	DUPLICATE
-	-	-	-	-	-	-	I074995	14	0.41	1.98	5920	70.90	STANDARD RSS-5

GEOTECHNICAL LOG

HOLE: Rau-10-76

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
4.35	4.57	0.22	0.20	91	0.00	0	W	SW		
4.57	5.49	0.92	0.37	40	0.24	26	MS	SW		
5.49	6.71	1.22	1.22	100	1.16	95	MS	FR		
6.71	8.23	1.52	1.52	100	1.52	100	MS	FR		
8.23	9.75	1.52	1.10	72	1.00	66	H	FR		
9.75	13.72	3.97	3.93	99	3.45	87	H	FR		
13.72	16.76	3.04	2.87	94	2.10	69	MS	SW		
16.76	19.80	3.04	2.90	95	1.90	63	MS	SW		
19.80	22.86	3.06	3.00	98	2.74	90	MS	FR		
22.86	25.91	3.05	2.96	97	2.77	91	MS	FR		
25.91	26.82	0.91	0.80	88	0.39	43	MS	FR		
26.82	29.87	3.05	3.03	99	2.73	90	MS	FR		
29.87	32.00	2.13	1.97	92	1.72	81	MS	FR		
32.00	34.29	2.29	2.07	90	1.59	69	H	FR		
34.29	36.58	2.29	2.01	88	0.95	41	MS	FR		
36.58	39.62	3.04	3.04	100	3.04	100	MS	FR		
39.62	42.06	2.44	2.30	94	2.22	91	MS	FR		
42.06	45.11	3.05	3.00	98	2.47	81	MS	FR		
45.11	48.16	3.05	2.95	97	2.81	92	MS	FR		
48.16	51.21	3.05	3.05	100	3.01	99	MS	FR		
51.21	54.25	3.04	3.05	100	2.86	94	MS	FR		
54.25	57.45	3.20	3.05	95	2.65	83	MS	FR		
57.45	60.66	3.21	3.03	94	2.85	89	MS	FR		
60.66	63.70	3.04	3.04	100	2.97	98	MS	FR		
63.70	66.90	3.20	3.03	95	2.87	90	MS	FR		
66.90	70.10	3.20	3.01	94	2.82	88	MS	FR		
70.10	73.15	3.05	3.02	99	2.78	91	H	FR		
73.15	76.20	3.05	2.94	96	2.55	84	MS	FR		
76.20	79.25	3.05	2.97	97	2.85	93	MS	FR		
79.25	82.30	3.05	2.85	93	2.51	82	MS	FR		
82.30	85.34	3.04	3.05	100	2.60	86	MS	FR		
85.34	88.39	3.05	3.01	99	2.95	97	MS	FR		
88.39	91.44	3.05	2.97	97	2.70	89	MS	FR		
91.44	94.49	3.05	3.00	98	2.42	79	MS	FR		
94.49	97.54	3.05	3.03	99	2.45	80	MS	FR		
97.54	100.58	3.04	3.02	99	2.64	87	MS	FR		
100.58	103.63	3.05	3.05	100	3.05	100	MS	FR		
103.63	106.68	3.05	3.00	98	2.80	92	MS	FR		
106.68	109.73	3.05	3.05	100	2.97	97	MS	FR		
109.73	112.78	3.05	3.00	98	2.88	94	MS	FR		
112.78	115.82	3.04	2.98	98	2.68	88	MS	FR		
115.82	118.87	3.05	3.00	98	2.85	93	MS	FR		
118.87	121.01	2.14	2.00	93	1.83	86	MS	FR		
121.01	123.44	2.43	2.43	100	2.21	91	MS	FR		
123.44	126.49	3.05	2.95	97	2.32	76	H	FR		
126.49	129.54	3.05	3.05	100	2.60	85	MS	FR		
129.54	132.59	3.05	2.94	96	1.80	59	MS	FR		
132.59	135.03	2.44	1.95	80	1.30	53	MS	SW		
135.03	136.25	1.22	0.92	75	0.23	19	H	SW		
136.25	138.68	2.43	2.43	100	1.30	53	H	FR		
138.68	141.73	3.05	2.93	96	2.25	74	MS	FR		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
141.73	143.26	1.53	1.50	98	0.65	42	MS	FR		
143.26	146.30	3.04	2.92	96	2.12	70	MS	FR		
146.30	148.74	2.44	2.30	94	1.69	69	MS	FR		
148.74	151.79	3.05	2.95	97	2.20	72	H	FR		
151.79	154.84	3.05	3.05	100	2.80	92	MS	FR		
154.84	157.73	2.89	2.75	95	2.49	86	MS	FR		
157.73	160.78	3.05	3.05	100	2.15	70	MS	FR		
160.78	163.83	3.05	2.22	73	1.08	35	MS	FR		
163.83	167.03	3.20	2.51	78	1.35	42	MS	FR		
167.03	170.23	3.20	3.10	97	2.05	64	MS	FR		
170.23	173.43	3.20	2.98	93	1.70	53	H	FR		
173.43	176.48	3.05	3.05	100	2.47	81	MS	FR		
176.48	179.22	2.74	1.10	40	0.59	22	MS	FR		
179.22	182.27	3.05	2.78	91	0.66	22	W	FR		
182.27	185.32	3.05	2.83	93	1.10	36	MS	FR		
185.32	188.37	3.05	2.90	95	1.47	48	MS	FR		
188.37	191.57	3.20	2.97	93	2.03	63	MS	FR		
191.57	194.61	3.04	3.00	99	2.16	71	MS	FR		
194.61	197.82	3.21	2.98	93	1.78	55	MS	FR		
197.82	200.86	3.04	2.95	97	2.01	66	MS	FR		
200.86	204.06	3.20	3.04	95	2.77	87	MS	FR		
204.06	206.96	2.90	2.86	99	2.05	71	MS	FR		
206.96	209.40	2.44	2.27	93	1.60	66	MS	FR		
209.40	210.31	0.91	0.74	81	0.32	35	MS	FR		
210.31	213.36	3.05	3.05	100	2.44	80	MS	FR		
213.36	216.41	3.05	2.97	97	2.87	94	MS	FR		
216.41	219.46	3.05	3.05	100	2.46	81	MS	FR		
219.46	222.50	3.04	3.05	100	2.61	86	MS	FR		
222.50	225.55	3.05	3.05	100	2.94	96	MS	FR		
225.55	228.60	3.05	3.01	99	2.70	89	MS	FR		
228.60	231.65	3.05	2.93	96	2.68	88	MS	FR		
231.65	234.70	3.05	3.03	99	2.82	92	MS	FR		
234.70	237.74	3.04	3.00	99	2.84	93	MS	FR		
237.74	240.79	3.05	3.05	100	2.95	97	MS	FR		
240.79	243.84	3.05	3.00	98	2.62	86	MS	FR		
243.84	246.89	3.05	2.95	97	2.91	95	MS	FR		
246.89	249.94	3.05	3.01	99	2.44	80	MS	FR		
249.94	252.98	3.04	2.91	96	2.49	82	MS	FR		
252.98	256.03	3.05	2.95	97	1.87	61	H	FR		
256.03	259.08	3.05	2.97	97	2.42	79	MS	FR		
259.08	262.13	3.05	2.99	98	2.59	85	MS	FR		
262.13	264.87	2.74	2.74	100	2.70	99	MS	FR		
264.87	267.92	3.05	3.02	99	1.99	65	MS	FR		
267.92	270.97	3.05	3.04	100	1.83	60	MS	FR		
270.97	274.02	3.05	3.05	100	2.88	94	MS	FR		
274.02	277.06	3.04	3.02	99	2.07	68	MS	FR		
277.06	280.11	3.05	3.05	100	2.70	89	MS	FR		
280.11	283.31	3.20	2.99	93	2.57	80	MS	FR		
283.31	286.51	3.20	3.08	96	2.60	81	MS	FR		
286.51	289.56	3.05	3.05	100	2.31	76	MS	FR		
289.56	292.61	3.05	2.94	96	1.29	42	MS	FR		
292.61	295.66	3.05	3.01	99	2.15	70	MS	FR		
295.66	298.70	3.04	2.94	97	2.30	76	H	FR		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
298.70	301.75	3.05	3.05	100	2.56	84	MS	FR		
301.75	304.80	3.05	2.91	95	1.02	33	H	FR		
304.80	307.85	3.05	3.00	98	2.96	97	MS	FR		
307.85	309.37	1.52	1.52	100	1.52	100	MS	FR		
309.37	312.42	3.05	2.82	92	2.62	86	MS	FR		
312.42	315.47	3.05	3.01	99	2.84	93	MS	FR		
315.47	318.52	3.05	3.04	100	2.79	91	MS	FR		
318.52	320.34	1.82	1.75	96	1.55	85	MS	FR		
320.34	323.39	3.05	2.70	89	2.15	70	MS	FR		
323.39	326.44	3.05	3.02	99	2.75	90	MS	FR		
326.44	329.18	2.74	2.74	100	2.46	90	MS	FR		
329.18	331.93	2.75	2.46	89	2.38	87	MS	FR		
331.93	333.45	1.52	1.35	89	1.04	68	MS	FR		
333.45	336.19	2.74	2.74	100	2.65	97	MS	FR		
336.19	337.41	1.22	1.22	100	0.65	53	MS	FR		
337.41	340.16	2.75	2.52	92	1.93	70	W	FR		
340.16	341.07	0.91	0.84	92	0.11	12	W	FR		
341.07	342.59	1.52	1.36	89	0.00	0	W	FR		
342.59	344.73	2.14	2.14	100	1.67	78	MS	FR		
344.73	347.78	3.05	2.96	97	2.39	78	MS	FR		
347.78	350.52	2.74	2.71	99	2.61	95	MS	FR		
350.52	353.57	3.05	3.02	99	2.75	90	MS	FR		
353.57	356.62	3.05	3.05	100	2.62	86	S	FR		
356.62	359.66	3.04	3.04	100	2.78	91	MS	FR		
359.66	362.71	3.05	3.01	99	2.91	95	MS	FR		
362.71	365.76	3.05	2.87	94	2.69	88	MS	FR		
365.76	368.81	3.05	3.05	100	3.05	100	MS	FR		
368.81	371.25	2.44	2.10	86	2.10	86	MS	FR		
371.25	374.29	3.04	3.04	100	3.04	100	MS	FR		
374.29	376.73	2.44	2.36	97	2.36	97	MS	FR		
376.73	379.78	3.05	3.03	99	3.03	99	MS	SW		
379.78	382.52	2.74	2.74	100	2.74	100	MS	FR		
382.52	385.57	3.05	3.00	98	3.00	98	MS	FR		
385.57	388.62	3.05	2.97	97	2.97	97	MS	FR		
388.62	391.67	3.05	3.05	100	3.05	100	MS	FR		
391.67	393.80	2.13	2.12	100	2.12	100	MS	FR		
393.80	396.85	3.05	3.02	99	2.82	92	MS	FR		
396.85	400.81	3.96	3.80	96	2.85	72	MS	FR		
400.81	403.86	3.05	3.05	100	1.62	53	MS	FR		
403.86	406.91	3.05	3.05	100	2.50	82	MS	FR		
406.91	409.96	3.05	3.01	99	2.60	85	MS	FR		
409.96	413.00	3.04	2.88	95	1.90	62	MS	FR		
413.00	416.05	3.05	3.05	100	3.00	98	MS	FR		
416.05	418.03	1.98	1.98	100	1.74	88	MS	FR		
418.03	420.62	2.59	2.54	98	2.45	95	MS	FR		
420.62	423.67	3.05	2.98	98	2.98	98	MS	FR		
423.67	426.72	3.05	3.05	100	2.85	93	MS	FR		
426.72	429.77	3.05	3.01	99	3.01	99	MS	FR		
429.77	432.82	3.05	3.05	100	2.52	83	MS	FR		
432.82	435.86	3.04	3.03	100	2.66	87	MS	FR		
435.86	438.91	3.05	3.05	100	2.67	88	MS	FR		
438.91	441.96	3.05	3.02	99	2.79	91	MS	FR		
441.96	445.01	3.05	3.05	100	2.62	86	MS	FR		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
445.01	448.06	3.05	2.94	96	2.65	87	MS	FR		
448.06	451.10	3.04	2.98	98	2.82	93	MS	FR		
451.10	454.15	3.05	2.80	92	1.50	49	MS	FR		
454.15	456.59	2.44	2.35	96	1.30	53	W	SW		
456.59	458.72	2.13	2.00	94	1.24	58	MS	SW		
458.72	E.O.H.									

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-76

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	OVB		N/A	
2.00	OVB		N/A	
3.00	OVB		N/A	
4.00	OVB		N/A	
5.00	LST	FOS	0.18	
6.00	LST	FOS	0.00	
7.00	LST	FOS	0.00	
8.00	LST	FOS	0.00	
9.00	LST	FOS	0.00	
10.00	LST	FOS	0.00	
11.00	LST	FOS	0.00	
12.00	LST	FOS	0.00	
13.00	LST	FOS	0.02	
14.00	LST	FOS	0.00	
15.00	LST	FOS	0.00	
16.00	LST	FOS	0.00	
17.00	LST	FOS	0.00	
18.00	LST	FOS	0.00	
19.00	LST	cBX	0.00	
20.00	LST	cBX	0.00	
21.00	LST	cBX	0.24	
22.00	LST	cBX	0.00	
23.00	LST	cBX	0.00	
24.00	LST	cBX	0.00	
25.00	LST	cBX	0.00	
26.00	LST	cBX	0.00	
27.00	LST	cBX	0.00	
28.00	LST	cBX	0.00	
29.00	LST	cBX	0.00	
30.00	LST	cBX	0.00	
31.00	LST	cBX	0.00	
32.00	LST	cBX	0.00	
33.00	LST	cBX	0.00	
34.00	LST	cBX	0.00	
35.00	LST	cBX	0.00	
36.00	LST	cBX	0.00	
37.00	LST	MBL	0.06	
38.00	LST	MBL	0.00	
39.00	LST	MBL	0.00	
40.00	LST	MBL	0.00	
41.00	LST	MBL	0.00	
42.00	LST	MBL	0.00	
43.00	LST	MBL	0.00	
44.00	LST	MBL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	LST	MBL	0.00	
46.00	LST	MBL	0.00	
47.00	LST	MBL	0.00	
48.00	LST	MBL	0.00	
49.00	LST	MBL	0.00	
50.00	LST	MBL	0.00	
51.00	LST	MBL	0.00	
52.00	LST	MBL	0.00	
53.00	LST	MBL	0.00	
54.00	LST	MBL	0.00	
55.00	LST	MBL	0.00	
56.00	LST	MBL	0.00	
57.00	LST	MBL	0.00	
58.00	LST	MBL	0.00	
59.00	LST	MBL	0.00	
60.00	LST	MBL	0.00	
61.00	LST	MBL	0.00	
62.00	LST	MBL	0.00	
63.00	LST	MBL	0.00	
64.00	LST	MBL	0.00	
65.00	LST	MBL	0.00	
66.00	LST	MBL	0.00	
67.00	LST	MBL	0.00	
68.00	LST	FOS	0.12	
69.00	LST	FOS	0.00	
70.00	LST	FOS	0.00	
71.00	LST	FOS	0.00	
72.00	LST	FOS	0.00	
73.00	LST	FOS	0.00	
74.00	LST	FOS	0.22	
75.00	LST	FOS	0.00	
76.00	LST	FOS	0.00	
77.00	LST	FOS	0.00	
78.00	LST	FOS	0.10	
79.00	LST	FOS	0.00	
80.00	LST	cBX	0.00	
81.00	LST	cBX	0.00	
82.00	LST	cBX	0.00	
83.00	LST	cBX	0.08	
84.00	LST	cBX	0.03	
85.00	LST	cBX	0.27	
86.00	LST	cBX	0.00	
87.00	LST	cBX	0.10	
88.00	LST	cBX	0.07	
89.00	LST	cBX	0.00	
90.00	LST	cBX	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	LST	cBX	0.00	
92.00	LST	cBX	0.00	
93.00	LST	cBX	0.00	
94.00	LST	cBX	0.00	
95.00	LST	cBX	0.56	
96.00	LST	cBX	1.55	
97.00	LST	cBX	0.40	
98.00	LST	cBX	0.00	
99.00	LST	cBX	0.00	
100.00	LST	cBX	0.00	
101.00	LST	cBX	0.00	
102.00	LST	cBX	0.36	
103.00	LST	cBX	0.00	
104.00	LST	cBX	0.00	
105.00	LST	cBX	0.01	
106.00	LST	cBX	0.00	
107.00	LST	cBX	0.56	
108.00	LST	cBX	0.00	
109.00	LST	cBX	0.14	
110.00	LST	cBX	0.00	
111.00	LST	cBX	0.00	
112.00	LST	cBX	0.20	
113.00	LST	cBX	0.00	
114.00	LST	cBX	0.00	
115.00	LST	cBX	0.03	
116.00	LST	cBX	0.00	
117.00	LST	MBL	0.00	
118.00	LST	MBL	0.14	
119.00	LST	MBL	0.00	
120.00	LST	MBL	0.00	
121.00	LST	MBL	0.12	
122.00	LST	MBL	1.31	
123.00	LST	MBL	0.00	
124.00	LST	MBL	0.00	
125.00	LST	MBL	0.00	
126.00	LST	MBL	0.00	
127.00	LST	MBL	0.36	
128.00	LST	MBL	0.40	
129.00	LST	MBL	1.83	
130.00	LST	MBL	0.00	
131.00	LST	MBL	0.05	
132.00	MBL		1.22	
133.00	MBL		0.00	
134.00	VOL		0.67	
135.00	VOL		1.24	
136.00	VOL		116.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	VOL		18.90	
138.00	VOL		3.20	
139.00	VOL		11.40	
140.00	VOL		37.50	
141.00	VOL		0.49	
142.00	VOL		2.65	
143.00	VOL		0.00	
144.00	VOL		6.86	
145.00	VOL		20.70	
146.00	VOL		6.29	
147.00	VOL		0.04	
148.00	VOL		0.00	
149.00	VOL		0.32	
150.00	VOL		0.40	
151.00	VOL		0.69	
152.00	VOL		0.00	
153.00	VOL		5.43	
154.00	VOL		0.03	
155.00	VOL		0.00	
156.00	VOL		0.03	
157.00	VOL		0.00	
158.00	VOL		0.00	
159.00	LST	DOL	0.18	
160.00	LST	DOL	0.00	
161.00	LST	DOL	0.25	
162.00	LST	DOL	0.21	
163.00	LST	DOL	0.00	
164.00	LST	DOL	0.98	
165.00	LST	DOL	0.00	
166.00	LST	DOL	0.00	
167.00	LST	DOL	0.00	
168.00	LST	DOL	0.07	
169.00	LST	DOL	0.00	
170.00	LST	DOL	0.03	
171.00	LST	DOL	1.31	
172.00	LST	DOL	0.09	
173.00	LST	DOL	0.00	
174.00	LST	DOL	0.00	
175.00	LST	DOL	0.00	
176.00	LST	DOL	0.00	
177.00	LST	DOL	0.00	
178.00	LST	DOL	0.00	
179.00	LST	DOL	0.06	
180.00	LST	DOL	0.02	
181.00	LST	DOL	0.04	
182.00	LST	DOL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00	LST	DOL	0.00	
184.00	LST	DOL	0.00	
185.00	LST	DOL	0.00	
186.00	LST	DOL	0.00	
187.00	LST	DOL	0.04	
188.00	LST	DOL	0.36	
189.00	LST	DOL	0.02	
190.00	LST	DOL	0.00	
191.00	LST	DOL	0.00	
192.00	LST	DOL	0.04	
193.00	LST	DOL	0.28	
194.00	LST	DOL	0.00	
195.00	LST	DOL	4.92	
196.00	LST	DOL	1.96	
197.00	LST	DOL	0.24	
198.00	LST	DOL	0.00	
199.00	LST	DOL	0.00	
200.00	LST	DOL	0.00	
201.00	LST	DOL	0.00	
202.00	LST	DOL	0.00	
203.00	LST	DOL	0.00	
204.00	LST	DOL	0.10	
205.00	LST	DOL	0.04	
206.00	LST	DOL	0.00	
207.00	LST	DOL	0.00	
208.00	LST	DOL	0.00	
209.00	LST	DOL	0.04	
210.00	LST	DOL	0.00	
211.00	LST	DOL	0.22	
212.00	LST	DOL	0.04	
213.00	LST	DOL	0.73	
214.00	LST	DOL	0.00	
215.00	LST	DOL	0.00	
216.00	LST	DOL	0.04	
217.00	LST	DOL	0.24	
218.00	LST	DOL	0.00	
219.00	LST	DOL	0.00	
220.00	LST	DOL	0.00	
221.00	LST	DOL	0.00	
222.00	LST	DOL	0.02	
223.00	LST	DOL	0.26	
224.00	LST	DOL	0.12	
225.00	LST	DOL	0.08	
226.00	LST	DOL	0.00	
227.00	LST	DOL	0.00	
228.00	LST	DOL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
229.00	LST	DOL	0.00	
230.00	LST	DOL	0.00	
231.00	LST	DOL	0.00	
232.00	LST	DOL	0.00	
233.00	LST	DOL	0.08	
234.00	LST	DOL	0.00	
235.00	LST	DOL	0.12	
236.00	LST	DOL	0.47	
237.00	LST	DOL	0.10	
238.00	LST	DOL	0.10	
239.00	LST	DOL	0.00	
240.00	LST	DOL	0.00	
241.00	LST	DOL	0.00	
242.00	LST	DOL	1.49	
243.00	LST	DOL	0.00	
244.00	LST	DOL	0.00	
245.00	LST	DOL	0.08	
246.00	LST	DOL	0.10	
247.00	LST	DOL	1.92	
248.00	LST	DOL	8.30	
249.00	LST	DOL	10.60	
250.00	LST	DOL	58.20	
251.00	LST	DOL	0.47	
252.00	LST	DOL	0.00	
253.00	LST	DOL	0.00	
254.00	LST	DOL	0.26	
255.00	LST	DOL	0.00	
256.00	LST	DOL	0.53	
257.00	LST	DOL	0.12	
258.00	LST	DOL	0.00	
259.00	LST	DOL	0.43	
260.00	LST	DOL	0.00	
261.00	LST	DOL	0.00	
262.00	LST	DOL	0.00	
263.00	LST	DOL	0.00	
264.00	LST	DOL	0.00	
265.00	LST	DOL	0.00	
266.00	LST	DOL	2.93	
267.00	LST	DOL	0.38	
268.00	LST	DOL	0.22	
269.00	LST	DOL	0.00	
270.00	LST	DOL	0.34	
271.00	LST	DOL	0.06	
272.00	LST	DOL	0.02	
273.00	LST	DOL	1.98	
274.00	LST	DOL	0.02	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
275.00	LST	DOL	1.98	
276.00	LST	DOL	0.02	
277.00	LST	DOL	0.00	
278.00	LST	DOL	1.37	
279.00	LST	DOL	0.06	
280.00	LST	DOL	13.76	
281.00	LST	DOL	19.40	
282.00	LST	DOL	21.10	
283.00	LST	DOL	64.40	
284.00	LST	DOL	1.74	
285.00	LST	DOL	0.02	
286.00	LST	DOL	0.24	
287.00	LST	DOL	25.80	
288.00	LST	DOL	56.30	
289.00	LST	DOL	1.74	
290.00	LST	DOL	0.00	
291.00	LST	DOL	0.04	
292.00	LST	DOL	0.16	
293.00	LST	DOL	0.18	
294.00	LST	DOL	0.08	
295.00	LST	DOL	2.74	
296.00	LST	DOL	2.19	
297.00	LST	DOL	0.10	
298.00	LST	DOL	0.00	
299.00	LST	DOL	0.00	
300.00	LST	DOL	0.00	
301.00	LST	DOL	0.14	
302.00	LST	DOL	0.57	
303.00	LST	DOL	0.86	
304.00	LST	DOL	0.12	
305.00	LST	DOL	0.00	
306.00	LST	DOL	0.08	
307.00	LST	DOL	0.00	
308.00	LST	DOL	0.77	
309.00	LST	DOL	5.20	
310.00	LST	DOL	0.69	
311.00	LST	DOL	3.28	
312.00	LST	DOL	0.00	
313.00	LST	DOL	2.09	
314.00	LST	DOL	0.43	
315.00	LST	DOL	6.19	
316.00	LST	DOL	1.78	
317.00	LST	DOL	3.36	
318.00	LST	DOL	0.08	
319.00	LST	DOL	1.76	
320.00	VOL		0.57	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
321.00	VOL		0.00	
322.00	VOL		0.00	
323.00	VOL		0.00	
324.00	VOL		10.00	
325.00	VOL		2.60	
326.00	VOL		0.55	
327.00	VOL		1.14	
328.00	VOL		14.50	
329.00	VOL		10.70	
330.00	VOL		28.60	
331.00	VOL		1.66	
332.00	VOL		0.18	
333.00	VOL		3.52	
334.00	VOL		17.00	
335.00	VOL		52.40	
336.00	VOL		3.85	
337.00	VOL		5.74	
338.00	VOL		19.90	
339.00	VOL		5.84	
340.00	VOL		1.76	
341.00	VOL		1.70	
342.00	VOL		0.00	
343.00	VOL		0.92	
344.00	VOL		0.36	
345.00	VOL		0.04	
346.00	VOL		1.27	
347.00	VOL		1.98	
348.00	VOL		5.41	
349.00	VOL		1.92	
350.00	VOL		1.08	
351.00	LST		0.59	
352.00	LST		1.04	
353.00	LST		0.04	
354.00	LST		0.00	
355.00	LST		0.10	
356.00	LST		0.10	
357.00	LST		0.02	
358.00	LST		0.00	
359.00	LST		1.78	
360.00	LST		0.63	
361.00	LST		0.00	
362.00	LST		0.06	
363.00	LST		0.00	
364.00	LST		0.00	
365.00	LST		0.00	
366.00	LST		0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
367.00	LST		0.00	
368.00	LST		0.00	
369.00	LST		0.00	
370.00	LST		0.00	
371.00	LST		0.00	
372.00	LST		0.00	
373.00	LST		0.00	
374.00	LST		0.00	
375.00	LST		0.04	
376.00	LST		0.06	
377.00	LST		0.02	
378.00	LST		0.00	
379.00	LST		0.00	
380.00	LST		0.00	
381.00	LST		0.06	
382.00	LST		0.00	
383.00	LST		0.00	
384.00	LST		0.00	
385.00	LST		0.10	
386.00	LST		0.00	
387.00	LST		0.00	
388.00	LST		0.20	
389.00	LST		0.00	
390.00	LST		0.04	
391.00	LST		0.06	
392.00	LST		0.00	
393.00	LST		0.00	
394.00	LST	DOL	0.00	
395.00	LST	DOL	0.00	
396.00	LST	DOL	0.00	
397.00	LST	DOL	0.00	
398.00	LST	DOL	0.20	
399.00	LST	DOL	0.00	
400.00	LST	DOL	0.00	
401.00	LST	DOL	0.00	
402.00	LST	DOL	0.00	
403.00	LST	DOL	0.06	
404.00	LST	DOL	0.00	
405.00	LST	DOL	0.14	
406.00	LST	DOL	0.68	
407.00	LST	DOL	1.27	
408.00	LST	DOL	0.08	
409.00	LST	DOL	0.12	
410.00	LST	DOL	0.00	
411.00	LST	DOL	0.00	
412.00	LST	DOL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
413.00	LST	DOL	0.45	
414.00	LST	DOL	0.41	
415.00	LST	DOL	3.95	
416.00	LST	DOL	1.57	
417.00	LST	DOL	0.00	
418.00	LST	DOL	0.00	
419.00	LST	DOL	0.08	
420.00	LST	DOL	0.00	
421.00	LST	DOL	0.00	
422.00	LST	DOL	0.00	
423.00	LST	DOL	0.00	
424.00	LST	DOL	0.26	
425.00	LST	DOL	0.08	
426.00	LST	DOL	0.00	
427.00	LST	DOL	0.00	
428.00	LST	DOL	0.01	
429.00	LST	DOL	0.00	
430.00	LST	DOL	0.00	
431.00	LST	DOL	0.00	
432.00	LST	DOL	0.00	
433.00	LST	DOL	0.00	
434.00	LST	DOL	0.04	
435.00	LST	DOL	0.00	
436.00	LST	DOL	0.14	
437.00	LST	DOL	0.24	
438.00	LST	DOL	1.12	
439.00	LST	DOL	0.00	
440.00	LST	DOL	0.00	
441.00	LST	DOL	0.00	
442.00	LST	DOL	0.16	
443.00	LST	DOL	0.04	
444.00	LST	DOL	0.00	
445.00	LST	DOL	0.00	
446.00	LST	DOL	0.00	
447.00	LST	DOL	0.00	
448.00	LST	DOL	0.00	
449.00	LST	DOL	0.00	
450.00	LST	DOL	0.00	
451.00	LST	DOL	0.04	
452.00	LST	DOL	0.00	
453.00	LST	DOL	0.26	
454.00	LST	DOL	0.02	
455.00	LST	DOL	0.45	
456.00	LST	DOL	0.10	
457.00	LST	DOL	0.00	
458.00	LST	DOL	0.00	

BOX LOG

HOLE: Rau-10-76

BOX	FROM (m)	TO (m)
1	4.35	9.66
2	9.66	15.28
3	15.28	20.92
4	20.92	26.50
5	26.50	32.00
6	32.00	37.67
7	37.67	43.26
8	43.26	48.81
9	48.81	54.39
10	54.39	60.43
11	60.43	66.09
12	66.09	71.86
13	71.86	77.46
14	77.46	83.16
15	83.16	88.66
16	88.66	94.18
17	94.18	99.50
18	99.50	105.37
19	105.37	110.69
20	110.69	116.28
21	116.28	121.83
22	121.83	127.28
23	127.28	132.59
24	132.59	137.87
25	137.87	143.76
26	143.76	148.57
27	148.57	154.09
28	154.09	159.74
29	159.74	166.51
30	166.51	172.20
31	172.20	179.22
32	179.22	184.62
33	184.62	189.82
34	189.82	195.54
35	195.54	201.06
36	201.06	206.79
37	206.79	212.30
38	212.30	217.71
39	217.71	223.24
40	223.24	228.84
41	228.84	234.53
42	234.53	240.08
43	240.08	295.59
44	295.59	251.05
45	251.05	256.51
46	256.51	262.30
47	262.30	267.74
48	267.74	273.27
49	273.27	278.85
50	278.85	284.82
51	284.82	290.40
52	290.40	296.01
53	296.01	301.75
54	301.75	307.13
55	307.13	312.68
56	312.68	318.30
57	318.30	324.20
58	324.20	329.18
59	329.18	334.79
60	334.79	339.93
61	339.93	344.73
62	344.73	350.32
63	350.32	355.96
64	355.96	361.44
65	361.44	367.25
66	367.25	373.02
67	373.02	378.23
68	378.23	303.90
69	303.90	389.57
70	389.57	395.23
71	395.23	400.81
72	400.81	406.31
73	406.31	411.61
74	411.61	417.20
75	417.20	422.78
76	422.78	428.06
77	428.06	433.74
78	433.74	439.31
79	439.31	445.01
80	445.01	450.93
81	450.93	455.68
82	455.98	458.72
458.72 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
09+850NW	10+170NE	528717	7119041	1357	413.00

ZONE: East

SECTION: 09+850NW

HOLE: **Rau-10-77**

CLAIM: Rau 56

Contractor: Superior

Drill: 1

Core size: BTW

Casing depth: 6.10 m out

Drilling dates: June 10-14, 2010

Geology logged by: E. Theissen, K. Unger

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-68.0	compass	320.04	232	-66.2	ranger
91.44	225	-66.8	ranger	381.00	233	-65.6	ranger
167.64	226	-66.4	ranger	411.49	233	-65.4	ranger
274.30	229	-66.7	ranger				

TARGET: East Zone

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	3.76	3.76	OVB	
3.76	38.40	34.64	LST	
38.40	58.30	19.90	MBL	
58.30	118.79	60.49	LST	
118.79	122.17	3.38	DOL	Mineralized
122.17	125.40	3.23	MBL	
125.40	141.81	16.41	VOL	Amygdaloidal
141.81	276.20	134.39	LST	Dolomitized
276.20	297.67	21.47	VOL	Sericite Altered
297.67	384.66	86.99	LST	
384.66	413.00	28.34	LST	Dolomitized
413.00	E.O.H.			

SAMPLES

Numbers: I075042-I075062, I075084-I075106, I075125-I075133

Total: 53

Batch: 16, 17, 18

Date Sent: June, 20, 21, 2010

Certificate: VA10083884, VA10083933, VA10083886

COMMENTS

The hole was ended because it was past the fault and therefore past the targeted depth.

GEOLOGY LOG

HOLE: Rau-10-77

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	3.76	3.76				OVB			Overbrden - no recovery																		
3.76	38.40	34.64				LST			Interbedded dark-grey lime-mudstone and lighter-grey wackestones to packstones, fossiliferous fragments are dominantly crinoids and rare rugosa corals. These interbedded units resemble that of a debris flow deposition. Overall this unit is moderately strained in some locations with a moderately developed foliation. The most pervasive foliation is due to abundant stylolitic dissolution seams that occur throughout the unit and especially at lithologic breaks as in debris flow boundaries. Low amounts of pre-strain calcite veins occur, all are deformed and their character and orientation is cryptic.											n							
			3.96	12.19	8.23				Foliation is cryptic, consists of often thin black 'organic?' wisps interbedded in the LST unit, they are often undulation around 0 TCA.	FO	0																
									Predominantly stylolites, most prevalent from 3.96 12.19 m.	FO	80																
									Calcite veining, coarse grey crystals to fine white crystals anhedral to euhedral. May have a rust-brown Fe-stain on the surface, veins are 3-5 mm wide and cuts the unit sharply.	VN	40		0.2													
									Qz vein, clear and anhedral, replacing a calcite vein as calcite lines the vein. May be a later Qz replacement or later cooling of the same fluid system.	VN	40		0.1													
									Minor cBx occurs in small 10-20 cm intervals in this unit, often has dark 'organic?'-rich matrix, clasts are the LST post-shear protolith.	cBx																
			31.00	38.40	7.40	MBL			The lower contacts gradationally becomes marbleized LST. Marble is fine to medium grained crystalline carbonate, white to dirty light-grey. Some deformed veins cut the marble and indicates the marble was in place pre-strain.	ICN																
38.40	58.30	19.90				MBL			Medium to fine-grained light to dark grey crystalline marble, punctuated by many sinuous and deformed black stylolitic seams with no preferred foliation. Upper and lower contacts are more 'mud'-rich and have an associated strong foliation.											n							x
									Upper and lower contact of the marble unit is interbedded with muddy laminations.	FO	40															

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									Some minor cBx is associated with the lCN and the dark 'organic?' matrix.	cBx																	
58.30	118.79	60.49				LST			Interbedded dark lime-mudstones with debrite light grey crinoidal wackestone to packstones. Crinoidal wakestones often occur in small discrete packages interbedded lime-mud and the occasional baffle coral. Small 30 cm intervals of marbleized LST occur but are rare.											t							x
									Strong foliation defined by a dark lime-mud wisps within the less dark lime-mud. The darkest lime-mud bears small euhedral-anhedral disseminated pyrite (most likely diagenetic).	FO	40									t							
									Rare calcite veins 3-4 mm wide occur, medium-grained and anhedral and parallel the foliation yet also postdating it..	VN	40	0	0.1														
			117.25	117.70	0.45	DOL	MX		Small sub-interval of typical foliated tiger zone mineralization. Coarse grey dolomite and light orange ankerite hosts euhedral coarse arsenopyrite, is overprinted by a foliated fine-grained pyrite, and overprinted by another phase of anhedral, dull, fine-grained pyrite.											i	w	t					x
118.79	122.17	3.38				DOL	MX		Tiger zone with dolomite and ankerite. Coarse grained grey-white-buff dolomite and ankerite, hosting euhedral coarse arsenopyrite, both unstrained. As disseminated and in weak layers which are overprinted by Py. A fine-grained Py1 overprints the arsenopyrite and may occur with or post-dolomite, the Py1 forms the dominant foliation. A second Py2 is very-fine-grained and overprints the previous phases along foliation as well as without any lithologic control. Po is associated with coarse-grained subhedral grey-white calcite and overprints the arsenopyrite. The arsenopyrite is then overprinted by Py2? and then overprinted by anothe shiny euhedral pyrite.											i	i	w					x
									Upper and lower contacts are sharp transitions intc white-light grey marbleized LST. This marble appears to overprint the 'Tiger zone' as it occurs late.	CN																
									Fine-grained pyrite Py1 in bands mark the FO.	FO	50																
122.17	125.40	3.23				MBL			Fine to medium-grained white to dirty grey crystalline marble, with a weak foliation as dark grey sinuous bands and SER wisps.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									The upper contact is very sharp and overprints the 'Tiger' whereas the lower contact is more gradationa and interfingers with a sericitized volcanic unit over ~1 m. The lower contact has marble infilling AM looking vugs within the VOL, this AM is usually observed in other units with calcite filling.	CN								SER	w							
									Grey discolourations in the MBL, likely organic stylolitic remnants from the protolith.	FO	75																
125.40	141.81	16.41				VOL	AM		AM volcanic, unaltered areas occur as black to dark-grey fine-grained volcanics with large 0.5-2 cm amygdales throughout. The middle of the unit is slightly sericitized and heavily altered by chlorite with a deep-green hue. The upper and especially lower contacts are heavily sericitized and discolour the VOL to a light-green to pale-yellow colour. The sericite at the lower contact extends to a few meters from lCN, the upper contact only have 1 m maximum of interbedded marble and sericitized units. The amygdales are filled with Ca except for the uCN which has MBL in the infilling them. The calcite infill at the lCN have abundant very-fine grained biotite+pyrrhotite+pyrite rimming the amygdales that overprint the sericite phases, this extends for a few meters into the unit from the lCN. Some portions of the VOL are brown in colour likely from a strong biotite alteration (potassic alteration?)								SER	i	w		w					x
																		CHL	i								
																		BIO	i								
									Cryptic and weak, becomes more noticeable at lCN, defined by strained AM's.	FO	45																
									Rhodonite? Mn-rich pale pink veins occur twice in the unit at 128.90 m and 129.10 m, the crystals are medium-grained and sub-anhedral.	VN																	x
									Quartz vein is 2 cm wide, anhedral and medium-grained, cuts rhodonite and is associated with spotty anhedral Py.	VN	65								m							

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									Calcite veins 5 mm wide, white medium-grained with calcite. They contain deep-forest green chlorite usually rimming veins. Fine-grained disseminated pyrite is also associated with these veins. Many of the fractured core occurs along these veins and most have clear slickensides. One vein at 138.60 m has Qz-Ca matrix with large euhedral pyrites filling the vein, indicating possibly that the Qz and Ca veins may be related to a similar or the same event, they have very similar angles TCA as well.	VN	70												t							x
									Slickensides are associated with calcite veins at 70 TCA	SS																				
			132.00			SKN			2 skarn veins, dominantly coarse Qz-Ca with coarse-euhedral Actinolite as a deep shiny green colour. Minor Py and Cp also occur within the veins. Veins occur at 132.00 m and 135.70 m.	VN	45																		
			135.70			SKN				VN	15																	
141.81	276.20	134.39				LST	DOL		Fine-grained grey to dark-grey LST alt-DOL, the protolith LST when present is filled with many stylolites around 100/m. Most of this unit has undergone extensive veining, sBx and minor cBx textures followed by subsequent carbonate and Qz infilling. The earliest recognizable phase is a sBx texture associated with white dolomite veining as well as vug and clast rimming of white dogtooth dolomite. These crystals are lined with a fine-grained black mineral in sub-mm proportions. The open spaces and vugs are filled with a grey calcite or a Ca-Qz infill +- Py, Talc. Some original LST has been quite bleached into a light-grey colour. Py occurs as small fine-grained masses associated with darker-LST portions and another Py is present in Qz-Ca veins as anhedral and coarse-grained.	BX											t		t						
									Usually weak in brecciated areas but stronger with LST-stylolites and veining.	FO	40																		
									White Ca, appears to cut most vug and BX textures, 0.2-2 cm width.	VN	35	90	2																
									Qz-Ca veining +/-Py+/- talc, fills 5 mm Vn's and often has a pink hue.	VN	70		1						t		t						
									Qz-Ca-talc, may be associated with other Qz-Ca but occurs at very different orientation, associated with bleached LST.	VN	25																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									Brittle low angle fracture vein filling with euhedral med-grained Ca, stained with an orange-rusty Fe stain, and may have Sp, Py, Cp and a silvery mineral (very fine-anhedral)	VN	0									t			Cp	t	Sp	t	
			240.59	243.70	3.11	LST	DOL		Protolith LST-DOL with dogtooth breccia and vug fills is present and visible. The overprint here is a Dolomitic medium-grained 'raw' sugar texture that preserves the original texture, non-destructive. The re-crystallization has a peach-cream colour and is associated with Sp, and trace sulphides. Small parts of this unit is overprinted by a late quartz infill.					i											Sp	t	
			243.42	262.13	18.71	LST	DOL		Protolith LST-DOL with dogtooth breccia and vug fills, stylo-mottled, and dissolutions seams are present and visible. The overprint here is a Dolomitic medium-grained 'Raw' s sugar texture that preserves the original texture, non-destructive. The re-crystallization has a peach-cream colour and is associated with Sp, and trace sulfides. The sphalerite is occurring often with quartz as well as disseminated throughout the unit has black sphalerite often in grain interstities adjacent to dolomite crystals, appears later stage. Some large 7 mm euhedral zoned sphalerite crystals occur cherry red. Small parts of this unit are overprinted by a late quartz infill. This overprint appears transitional towards dolomitization of an LST unit through slow recrystallization.					i					t					Sp	m	x
276.20	297.67	21.47				VOL	SER		Grey-brown to pale-green volcaniclastic with a strong foliation. Unit grades in and out of what appears to be a Mg pebble conglomerate with magnetic elongated clasts in a partially sericitized fine-grained foliated matrix. Sericite alteration is most pervasive at the upper and lower contacts of the unit from light-grey to a pale yellow-green. Most of the unit is slightly sericite altered with mostly a dark-grey colour intermixed with a deep-brown. The middle of the unit is very brown from extensive biotite alteration which occurs with a euhedral pyrite and overprints the volcanic and the sericite alteration. This unit also has episodic chloritic alteration and deep green bands throughout.										t					Mg	t	
									Defined by strained 'bedding' in the volcanic unit as well as the elongated conglomerate clasts.	FO	30																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									Fine-grained anhedral Py+Ch+Qz+-Tc in 5mm wide veins.	VN	60	90	0.5														
									Qz-Ca and bitumen in fibrous opening veins 1.5 cm wide.	VN	60	180	0.1														
									Qz-An-Po-Py in steep 1.5 cm veins	VN	75	170	0.2														
									Ca-Py follow FO +/-Cl in sub-cm veins.	VN	40	0	0.5														
297.67	384.66	86.99				LST			Light to dark grey, calcilic, variably strained, alternating beds of "debris flow", weakly BX LST and calcilic, variably magnetic dark grey FG VOL (possibly lime mudstone/wakestone/shale?). Debris flow beds increase in frequency and thickness with depth. Contacts between beds are generally sharp, may grade over a few cm. Py mineralization present as FG whispy bands to small, <2 cm cloud-like masses in VOL, and as FG trace disseminations to <8 mm cubes in debris flow rockin narrow, Py-Ca-Cl veinlets. Py is typically bright yellow and near crystaline in form (P3?) and associated with dark mineral bands or in matrix minerals. Dolomitization weak through out, though DOL alteration of LST increases with depth. CG hydrothermal dolomite veins prensent in interval and host talc-tremolite alteration. Ca veinlets present, most exhibiting strain with host rock. Strain fabric increases with depth.					w				TLC	t	t								x
									Foliation constant throughout where seen in VOL(mudstone?) and debris flow rock, 30 to 40 degrees TCA.	FO	35																
			340.04	340.61	0.57	SHL			Dark, calcilic, FG "shale" (lime mudstone?) with very fine grained Py present in bands/beds with few <7 mm cubic crystals throughout. Py coarsens with depth. Some weak crossbedding(?) seen in rock.	FO	40									m							x
									Qz-Ca veinlet, CG with MG dolomite bordering Qz Ca veinlet. FG whispy bands of Py present in veinlet selvage up to 5 cm from veinlet boundary.	VN	45	0								w							
									CG Ca veinlet, 1.2 cm wide, 80 degrees TCA. Crosscutting foliation in VOL, 180 degrees to foliation.	VN	80	180	2														
									Py-Cl veinlet, 1.1 cm wide, MG bright yellow Py with chlorite selvages.	VN	30	90	2						75								
									CG hydrothermal dolomite vein, parallel to FO, hosting coarse dolomite crystals. Fair talc-tremlite alteration of dolomite crystals exhibited.	VN	30	0						TLC	f								

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									Qz-Ca-DOL veinlet, 5.5 cm wide, (partially dolomitized calcite/hydrothermal dolomite?) Py present as disseminations in dark, veinlet matrix minerals.	VN	30	0		m						w							
									CG Qz-hydrothermal dolomite-Ca with dark, soft clasts (soft, black, FG, mudstone?), appearing weakly vuggy. Vein hosts weak talc-tremolite alteration of Ca-Dol. Vein has minor calcilic component to composition. Brown, translucent, soft (Bi?) rims dark clasts. Py present as sub-crystaline blebs, sometimes partially infilling vugs, and overprinting Ca, between crystal faces and associated and overprinting dark clasts. Vein boundaries sinuous, steep to CA, unable to get accurate attitude measurment, (15-40 degrees).	VN	25			ms				TLC	w	w							x
384.66	413.00	28.34				LST	DOL	BX	Light to dark grey, intensely dolomitized, variably strained, rebrecciated LST with MG to CG "primary" hydrothermal dolomite present . CG recrystalized DOL evident in sunlight. Foliation is weak, defined by variably strained breccia textures. Breccia ranges from cBX to sBX textures, with a late cBX appearing most readily to rebrecciated earlier brecciation (syn-strain as some breccia elongate with FO?), and is sometimes overprinted by hydrothermal DOL. Py mineralization is variable throughout from none to weak. Where present, Py is typically bright yellow, MG sub crystalline to <2 mm cubes of "shotgun" masses to FG cloud-like masses proximal to/overprinting dark, FG minerals.					i						w			Sp	t			x
									Weak FO, defined by strained breccia clast orientation, 55 degrees TCA.	FO	50															
									White, talc-tremolite vein at 397.22 m with coarse, radiating fibrous crystal growth up to 1 cm in radius, becoming less so nearing core circumfrence where vein material becomes softer, more powdery. (tremolite to talc alteration?) White fibres in centre harder than pencil graphite.	VN	65													Tr	80	Tc	20	
									CG Qz-Ca vein, Ca exhibiting partial replacement by talc-tremolite alteration, trace silvery Py cubes present.	VN	65							TLC	w	t							

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									Yellow to light grey, CG Ca vein 400.00 to 401.05 m exhibiting partial replacement of ANK/DOL, sugary to sparry in crystal habit, vein is vuggy throughout, with DOL/ANK altered Ca(?) exhibiting drusy teeth-like pyramidal teeth partially infilling vugs. Sp present as dark black to red and in some cases yellow, resinous, coarse to fine grained sub-euhedra crystals. Crystal zonation distinguished under microscope with yellowish cores becoming red on crystal faces and some red crystals becoming darke with growth, though some exhibit black and red sphalerite intergrowths. Sp present as FG red masses to <5 mm red ehedral crystals. Trace black Sp present, less so for the yellow variety. Py is present as yellow, bright sub-crystaline replacements(?) of sphalerite, limited to dark (Fe-rich) Sp. Vein wall is serpentine, attitude of vein is 15-40 degrees CA.	VN										t			Sp	f			x
									Narrow, 1-2 mm veinlets with <1 mm dolomite drusy crystals and coarse, flat to veinlet plane red Sp crystals up to 1 cm in size.	VN	25		5														
									Ca veinlet, 3 cm wide, CG, crosscutting brecciation. Fizzes readily with 10 % HCl.	VN	35		1														
									413.00 m E.O.H. The hole was ended because it was not showing any new signs of interesting mineralization and was through the fault.																	

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-77

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
112.00	115.00	3.00	DOL	MX	3.00	100	I075042	16	0.01	0.03	8	0.11	
115.00	117.25	2.25	DOL	MX	2.25	100	I075043	16	0.01	0.01	11	0.17	
117.25	117.70	0.45	DOL	MX	0.35	78	I075044	16	1.62	0.32	6360	402.00	
117.70	118.79	1.09	DOL	MX	1.09	100	I075045	16	0.04	0.01	54	1.80	
118.79	120.00	1.21	DOL	MX	1.21	100	I075046	16	7.17	0.16	87200	175.00	
120.00	122.17	2.17	DOL	MX	2.16	100	I075047	16	4.34	0.20	66000	111.50	
122.17	125.40	3.23	MBL		3.23	100	I075048	16	0.01	0.03	78	1.42	
125.40	128.00	2.60	VOL	AM	2.60	100	I075050	16	0.01	0.06	21	0.44	
128.00	130.00	2.00	VOL	AM	1.87	94	I075051	16	<0.01	0.01	7	0.56	
130.00	133.00	3.00	VOL	AM	2.94	98	I075052	16	<0.01	0.01	3	0.04	
133.00	136.00	3.00	VOL	AM	3.00	100	I075054	16	0.01	0.02	4	0.04	
136.00	139.00	3.00	VOL	AM	3.00	100	I075055	16	<0.01	0.13	49	5.28	
139.00	141.81	2.81	VOL	AM	2.76	98	I075056	16	<0.01	0.10	69	4.88	
141.81	144.00	2.19	LST	DOL	2.19	100	I075058	16	<0.01	0.01	49	0.65	
169.70	170.46	0.76	LST	DOL	0.76	100	I075059	16	<0.01	0.04	117	0.64	
237.74	240.67	2.93	LST	DOL	2.77	95	I075060	16	<0.01	0.05	15	0.32	
240.67	243.19	2.52	LST	DOL	2.71	108	I075061	16	0.02	2.44	28	2.76	
243.49	246.10	2.61	LST	DOL	2.57	98	I075062	16	0.01	1.89	44	8.98	BREAK IN SEQUENCE
246.10	249.00	2.90	LST	DOL	2.29	79	I075085	17	0.02	1.83	33	2.90	
249.00	252.00	3.00	LST	DOL	2.95	98	I075086	17	0.13	8.76	262	26.60	
252.00	255.00	3.00	LST	DOL	2.99	100	I075087	17	0.03	4.58	61	16.20	
255.00	258.00	3.00	LST	DOL	2.97	99	I075088	17	0.04	2.99	50	7.11	
258.00	261.00	3.00	LST	DOL	3.00	100	I075089	17	0.04	3.31	69	7.91	
261.00	264.00	3.00	LST	DOL	2.98	99	I075091	17	0.02	0.43	15	0.92	
270.00	274.00	4.00	LST	DOL	2.90	73	I075093	17	0.01	0.18	74	0.03	
274.00	276.20	2.20	LST	DOL	2.15	98	I075094	17	0.01	0.21	23	0.04	
276.20	279.00	2.80	VOL	SER	2.73	97	I075095	17	0.01	0.33	10	0.29	
279.00	282.00	3.00	VOL	SER	2.80	93	I075096	17	0.01	0.38	2	0.18	
282.00	285.00	3.00	VOL	SER	3.00	100	I075097	17	<0.01	0.51	3	0.38	
285.00	288.00	3.00	VOL	SER	2.95	98	I075098	17	<0.01	0.62	2	0.08	
288.00	291.00	3.00	VOL	SER	2.98	99	I075099	17	0.01	0.50	118	0.93	
291.00	294.00	3.00	VOL	SER	2.88	96	I075100	17	<0.01	0.48	2	0.49	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
294.00	296.00	2.00	VOL	SER	1.47	74	I075101	17	<0.01	0.63	3	0.40	
296.00	297.67	1.67	VOL	SER	1.43	86	I075102	17	0.03	0.51	33	3.14	
297.67	300.00	2.33	LST		2.33	100	I075104	17	0.02	0.16	50	4.49	
309.00	312.00	3.00	LST		3.00	100	I075106	17	0.05	0.48	24	2.92	
394.72	397.76	3.04	LST	DOL	3.04	100	I075125	18	0.01	0.12	138	9.27	BREAK IN SEQUENCE
397.76	400.00	2.24	LST	DOL	2.18	97	I075127	18	0.03	0.77	107	11.20	
400.00	401.05	1.05	LST	DOL	1.05	100	I075128	18	0.08	6.00	119	17.85	
401.05	403.86	2.81	LST	DOL	2.72	97	I075130	18	0.01	0.42	46	1.54	
403.86	406.91	3.05	LST	DOL	3.05	100	I075131	18	0.03	0.59	90	9.42	
406.91	409.96	3.05	LST	DOL	2.97	97	I075132	18	<0.01	0.07	11	0.44	
409.96	413.00	3.04	LST	DOL	3.04	100	I075133	18	0.01	0.21	25	2.01	
-	-	-	-	-	-	-	I075049	16	0.01	0.01	37	0.16	BLANK (BTW)
130.00	133.00	3.00	VOL	AM	2.94	98	I075053	16	<0.01	0.03	5	0.12	DUPLICATE
-	-	-	-	-	-	-	I075057	16	3.78	0.77	62600	231.00	STANDARD RSS-7
-	-	-	-	-	-	-	I075084	17	<0.01	0.03	<5	0.02	BLANK (BTW)
-	-	-	-	-	-	-	I075090	17	0.50	1.75	6060	70.90	STANDARD RSS-5
-	-	-	-	-	-	-	I075092	17	<0.01	0.02	<5	0.10	BLANK (BTW)
-	-	-	-	-	-	-	I075103	17	0.51	1.56	6130	73.40	STANDARD RSS-5
297.27	300.00	2.73	LST		2.33	85	I075105	17	0.03	0.17	56	4.59	DUPLICATE
394.72	397.76	3.04	LST	DOL	3.04	100	I075126	18	0.01	0.20	156	7.17	DUPLICATE
-	-	-	-	-	-	-	I075129	18	<0.01	0.01	<5	0.06	BLANK (BTW)

GEOTECHNICAL LOG

HOLE: Rau-10-77

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
3.76	3.96	0.20	0.17	85	0	0	W	SW		
3.96	6.40	2.44	1.01	41	0.60	25	MS	FR		
6.40	7.62	1.22	1.13	93	0.76	62	MS	FR		
7.62	9.14	1.52	1.52	100	1.24	82	MS	FR		
9.14	10.67	1.53	1.43	93	1.40	92	MS	FR		
10.67	12.19	1.52	1.52	100	1.39	91	MS	FR		
12.19	15.24	3.05	3.05	100	3.05	100	MS	FR		
15.24	18.29	3.05	3.05	100	2.65	87	MS	FR		
18.29	21.34	3.05	2.97	97	2.16	71	MS	FR		
21.34	24.38	3.04	3.00	99	2.42	80	MS	FR		
24.38	26.52	2.14	2.10	98	1.45	68	MS	FR		
26.52	28.96	2.44	2.36	97	2.36	97	MS	FR		
28.96	32.00	3.04	3.04	100	3.04	100	MS	FR		
32.00	34.75	2.75	2.67	97	1.76	64	MS	FR		
34.75	35.81	1.06	1.06	100	0.37	35	MS	SW		
35.81	37.80	1.99	1.99	100	1.42	71	MS	FR		
37.80	40.84	3.04	3.04	100	2.89	95	MS	FR		
40.84	42.37	1.53	1.14	75	0.42	27	MS	FR		
42.37	45.42	3.05	3.05	100	2.70	89	MS	FR		
45.42	46.33	0.91	0.91	100	0.74	81	MS	FR		
46.33	49.38	3.05	2.81	92	2.61	86	MS	FR		
49.38	52.43	3.05	3.05	100	2.81	92	MS	FR		
52.43	55.47	3.04	3.04	100	2.25	74	MS	FR		
55.47	58.52	3.05	3.05	100	2.90	95	MS	FR		
58.52	61.57	3.05	3.05	100	2.84	93	MS	FR		
61.57	64.62	3.05	3.05	100	2.80	92	MS	FR		
64.62	67.82	3.20	3.09	97	3.09	97	MS	FR		
67.82	71.02	3.20	3.14	98	2.88	90	MS	FR		
71.02	74.22	3.20	3.10	97	3.10	97	MS	FR		
74.22	77.42	3.20	3.10	97	3.00	94	MS	FR		
77.42	80.47	3.05	3.03	99	2.48	81	MS	FR		
80.47	83.52	3.05	3.02	99	2.86	94	MS	FR		
83.52	86.72	3.20	3.07	96	2.82	88	MS	FR		
86.72	89.92	3.20	3.09	97	3.09	97	MS	FR		
89.92	92.96	3.04	3.04	100	3.04	100	MS	FR		
92.96	96.01	3.05	3.05	100	3.01	99	MS	FR		
96.01	99.06	3.05	2.99	98	2.80	92	MS	FR		
99.06	102.11	3.05	2.95	97	2.30	75	MS	FR		
102.11	105.16	3.05	2.99	98	2.96	97	MS	FR		
105.16	108.20	3.04	3.04	100	3.04	100	MS	FR		
108.20	111.25	3.05	3.05	100	3.00	98	MS	FR		
111.25	114.30	3.05	2.97	97	2.90	95	MS	FR		
114.30	117.35	3.05	3.03	99	2.36	77	MS	FR		
117.35	120.40	3.05	3.03	99	2.93	96	MS	FR		
120.40	123.44	3.04	3.05	100	2.70	89	MS	FR		
123.44	124.97	1.53	1.53	100	0.76	50	MS	FR		
124.97	127.10	2.13	1.98	93	0.53	25	MS	FR		
127.10	129.54	2.44	2.07	85	1.13	46	MS	FR		
129.54	132.59	3.05	2.94	96	2.70	89	MS	FR		
132.59	135.64	3.05	3.01	99	2.72	89	MS	FR		
135.64	137.46	1.82	1.82	100	1.48	81	MS	FR		
137.46	140.21	2.75	2.57	93	2.57	93	MS	FR		
140.21	143.26	3.05	3.01	99	2.77	91	H	FR		
143.26	146.30	3.04	3.00	99	2.91	96	MS	FR		
146.30	149.30	3.00	3.00	100	2.71	90	MS	FR		
149.30	152.40	3.10	3.00	97	2.88	93	MS	FR		
152.40	155.45	3.05	2.97	97	2.45	80	MS	FR		
155.45	158.50	3.05	3.03	99	2.49	82	MS	FR		
158.50	161.54	3.04	3.00	99	2.50	82	MS	FR		
161.54	164.60	3.06	3.06	100	2.54	83	MS	FR		
164.60	167.64	3.04	2.95	97	2.20	72	MS	FR		
167.64	170.69	3.05	3.01	99	2.47	81	MS	FR		
170.69	173.74	3.05	3.02	99	1.85	61	MS	FR		
173.74	176.78	3.04	2.98	98	2.76	91	MS	FR		
176.78	179.83	3.05	3.05	100	2.97	97	MS	FR		
179.83	182.88	3.05	3.01	99	2.76	90	MS	FR		
182.88	185.93	3.05	2.99	98	2.47	81	MS	FR		
185.93	188.98	3.05	2.98	98	2.65	87	MS	FR		
188.98	192.02	3.04	3.04	100	3.04	100	MS	FR		
192.02	194.31	2.29	2.23	97	1.72	75	MS	FR		
194.31	197.36	3.05	3.05	100	2.74	90	MS	FR		
197.36	200.56	3.20	3.13	98	2.95	92	MS	FR		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
200.56	203.61	3.05	3.05	100	2.80	92	MS	FR		
203.61	206.65	3.04	3.04	100	2.99	98	MS	FR		
206.65	209.70	3.05	3.05	100	2.70	89	MS	FR		
209.70	213.06	3.36	3.00	89	2.21	66	MS	FR		
213.06	216.10	3.04	3.04	100	3.01	99	MS	FR		
216.10	219.30	3.20	3.09	97	2.72	85	MS	FR		
219.30	222.50	3.20	3.05	95	1.84	58	MS	FR		
222.50	225.25	2.75	2.66	97	1.73	63	MS	FR		
225.25	226.16	0.91	0.91	100	0.14	15	MS	FR		
226.16	228.60	2.44	2.27	93	0.81	33	MS	FR		
228.60	231.65	3.05	2.92	96	1.92	63	MS	FR		
231.65	234.70	3.05	3.01	99	2.92	96	MS	FR		
234.70	237.74	3.04	3.00	99	2.49	82	MS	FR		
237.74	240.79	3.05	3.00	98	2.46	81	MS	FR		
240.79	243.84	3.05	2.97	97	2.77	91	MS	FR		
243.84	246.89	3.05	2.92	96	2.38	78	MS	FR		
246.89	249.94	3.05	2.73	90	1.04	34	W	SW		
249.94	252.98	3.04	3.00	99	2.39	79	MS	FR		
252.98	256.03	3.05	3.03	99	2.60	85	MS	FR		
256.03	259.08	3.05	2.95	97	2.44	80	MS	FR		
259.08	262.13	3.05	3.02	99	2.77	91	MS	FR		
262.13	265.18	3.05	3.03	99	2.70	89	MS	FR		
265.18	268.22	3.04	3.03	100	2.69	88	MS	FR		
268.22	271.27	3.05	2.98	98	2.38	78	MS	FR		
271.27	274.32	3.05	2.99	98	2.75	90	MS	FR		
274.32	277.37	3.05	2.99	98	2.68	88	H	FR		
277.37	280.42	3.05	2.94	96	2.25	74	MS	FR		
280.42	283.16	2.74	2.47	90	1.65	60	H	FR		
283.16	285.14	1.98	1.95	98	1.10	56	MS	FR		
285.14	288.04	2.90	2.87	99	1.77	61	MS	FR		
288.04	291.08	3.04	2.95	97	1.80	59	MS	FR		
291.08	293.22	2.14	1.70	79	0.40	19	MS	FR		
293.22	294.44	1.22	1.22	100	0.69	57	MS	FR		
294.44	295.66	1.22	0.85	70	0.40	33	MS	FR		
295.66	296.88	1.22	0.98	80	0.28	23	MS	FR		
296.88	299.92	3.04	3.04	100	2.19	72	MS	FR		
299.92	302.97	3.05	3.05	100	2.96	97	MS	FR		
302.97	306.32	3.35	3.05	91	3.02	90	MS	FR		
306.32	309.37	3.05	3.05	100	2.91	95	MS	FR		
309.37	312.42	3.05	3.05	100	2.95	97	MS	FR		
312.42	315.47	3.05	3.00	98	2.90	95	MS	FR		
315.47	318.52	3.05	2.99	98	2.61	86	MS	FR		
318.52	321.56	3.04	3.02	99	2.71	89	MS	FR		
321.56	324.61	3.05	3.02	99	2.85	93	MS	FR		
324.61	327.66	3.05	2.95	97	2.58	85	MS	FR		
327.66	330.71	3.05	3.02	99	2.62	86	MS	FR		
330.71	333.76	3.05	3.00	98	2.77	91	MS	FR		
333.76	336.80	3.04	3.04	100	2.75	90	MS	FR		
336.80	339.85	3.05	2.99	98	2.51	82	MS	FR		
339.85	342.90	3.05	3.05	100	3.04	100	MS	FR		
342.90	345.95	3.05	3.05	100	2.73	90	MS	FR		
345.95	348.99	3.04	3.03	100	2.93	96	MS	FR		
348.99	352.04	3.05	3.05	100	2.78	91	MS	FR		
352.04	355.09	3.05	3.03	99	2.93	96	MS	FR		
355.09	358.14	3.05	3.02	99	2.72	89	MS	FR		
358.14	361.20	3.06	3.04	99	2.97	97	MS	FR		
361.20	364.24	3.04	3.01	99	2.80	92	MS	FR		
364.24	367.28	3.04	3.03	100	2.76	91	MS	FR		
367.28	370.33	3.05	3.05	100	2.74	90	MS	FR		
370.33	373.38	3.05	2.97	97	2.28	75	MS	FR		
373.38	376.43	3.05	2.98	98	2.30	75	MS	FR		
376.43	379.48	3.05	2.97	97	2.35	77	MS	FR		
379.48	382.52	3.04	3.04	100	2.25	74	MS	FR		
382.52	385.57	3.05	2.88	94	2.80	92	MS	FR		
385.57	388.62	3.05	2.93	96	1.82	60	MS	FR		
388.62	391.67	3.05	2.92	96	2.15	70	MS	FR		
391.67	394.72	3.05	3.02	99	2.62	86	MS	FR		
394.72	397.76	3.04	3.02	99	2.68	88	MS	FR		
397.76	400.81	3.05	2.99	98	2.47	81	MS	FR		
400.81	403.86	3.05	2.96	97	2.66	87	MS	FR		
403.86	406.91	3.05	3.03	99	2.82	92	MS	FR		
406.91	409.96	3.05	2.99	98	2.74	90	MS	FR		
409.96	413.00	3.04	3.03	100	2.83	93	MS	FR		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
413.00	E.O.H.									

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-77

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00			N/A	
2.00			N/A	
3.00	LST		N/A	
4.00	LST		0.00	
5.00	LST		0.07	
6.00	LST		0.20	
7.00	LST		0.12	
8.00	LST		0.15	
9.00	LST		0.00	
10.00	LST		0.02	
11.00	LST		0.10	
12.00	LST		0.02	
13.00	LST		0.20	
14.00	LST		0.20	
15.00	LST		0.17	
16.00	LST		0.05	
17.00	LST		0.20	
18.00	LST		0.17	
19.00	LST		0.00	
20.00	LST		0.05	
21.00	LST		0.05	
22.00	LST		0.02	
23.00	LST		0.02	
24.00	LST		0.00	
25.00	LST		0.00	
26.00	LST		0.00	
27.00	LST		0.05	
28.00	LST		0.00	
29.00	LST		0.00	
30.00	LST		0.00	
31.00	LST		0.00	
32.00	LST		0.00	
33.00	LST		0.05	
34.00	LST		0.00	
35.00	LST		0.00	
36.00	LST		0.00	
37.00	LST		0.02	
38.00	LST		0.10	
39.00	MBL		0.00	
40.00	MBL		0.00	
41.00	MBL		0.07	
42.00	MBL		0.05	
43.00	MBL		0.00	
44.00	MBL		0.10	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	MBL		0.00	
46.00	MBL		0.00	
47.00	MBL		0.00	
48.00	MBL		0.00	
49.00	MBL		0.22	
50.00	MBL		0.02	
51.00	MBL		0.07	
52.00	MBL		0.00	
53.00	MBL		0.05	
54.00	MBL		0.00	
55.00	MBL		0.02	
56.00	MBL		0.12	
57.00	MBL		0.00	
58.00	MBL		0.00	
59.00	LST		0.10	
60.00	LST		0.00	
61.00	LST		0.15	
62.00	LST		0.05	
63.00	LST		0.00	
64.00	LST		0.02	
65.00	LST		0.07	
66.00	LST		0.00	
67.00	LST		0.07	
68.00	LST		0.20	
69.00	LST		0.12	
70.00	LST		0.22	
71.00	LST		0.05	
72.00	LST		0.15	
73.00	LST		0.10	
74.00	LST		0.17	
75.00	LST		0.00	
76.00	LST		0.00	
77.00	LST		0.00	
78.00	LST		0.00	
79.00	LST		0.05	
80.00	LST		0.00	
81.00	LST		0.00	
82.00	LST		0.07	
83.00	LST		0.05	
84.00	LST		0.10	
85.00	LST		0.12	
86.00	LST		0.00	
87.00	LST		0.07	
88.00	LST		0.20	
89.00	LST		0.02	
90.00	LST		0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	LST		0.00	
92.00	LST		0.05	
93.00	LST		0.00	
94.00	LST		0.07	
95.00	LST		0.00	
96.00	LST		0.07	
97.00	LST		0.05	
98.00	LST		0.00	
99.00	LST		0.00	
100.00	LST		0.00	
101.00	LST		0.05	
102.00	LST		0.12	
103.00	LST		0.00	
104.00	LST		0.00	
105.00	LST		0.00	
106.00	LST		0.00	
107.00	LST		0.00	
108.00	LST		0.00	
109.00	LST		0.00	
110.00	LST		0.00	
111.00	LST		0.00	
112.00	LST		0.00	
113.00	LST		0.00	
114.00	LST		0.00	
115.00	LST		0.00	
116.00	LST		0.00	
117.00	LST		0.00	
118.00	LST		0.00	
119.00	MX		2.66	
120.00	MX		8.93	
121.00	MX		3.85	
122.00	MX		0.53	
123.00	MBL		0.10	
124.00	MBL		0.00	
125.00	MBL		0.14	
126.00	VOL	AM	0.61	
127.00	VOL	AM	0.16	
128.00	VOL	AM	0.06	
129.00	VOL	AM	0.00	
130.00	VOL	AM	0.16	
131.00	VOL	AM	0.00	
132.00	VOL	AM	0.43	
133.00	VOL	AM	0.22	
134.00	VOL	AM	0.24	
135.00	VOL	AM	0.38	
136.00	VOL	AM	0.30	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	VOL	AM	30.70	
138.00	VOL	AM	28.90	
139.00	VOL	AM	46.10	
140.00	VOL	AM	9.24	
141.00	VOL	AM	0.65	
142.00	LST	DOL	0.00	
143.00	LST	DOL	0.00	
144.00	LST	DOL	0.00	
145.00	LST	DOL	0.00	
146.00	LST	DOL	0.00	
147.00	LST	DOL	0.02	
148.00	LST	DOL	0.06	
149.00	LST	DOL	0.24	
150.00	LST	DOL	0.00	
151.00	LST	DOL	0.00	
152.00	LST	DOL	0.02	
153.00	LST	DOL	0.00	
154.00	LST	DOL	0.57	
155.00	LST	DOL	0.04	
156.00	LST	DOL	0.04	
157.00	LST	DOL	0.00	
158.00	LST	DOL	0.00	
159.00	LST	DOL	0.10	
160.00	LST	DOL	0.16	
161.00	LST	DOL	6.31	
162.00	LST	DOL	0.10	
163.00	LST	DOL	0.00	
164.00	LST	DOL	0.00	
165.00	LST	DOL	0.02	
166.00	LST	DOL	0.02	
167.00	LST	DOL	0.00	
168.00	LST	DOL	0.04	
169.00	LST	DOL	0.02	
170.00	LST	DOL	1.08	
171.00	LST	DOL	0.14	
172.00	LST	DOL	0.02	
173.00	LST	DOL	0.00	
174.00	LST	DOL	0.00	
175.00	LST	DOL	0.06	
176.00	LST	DOL	0.55	
177.00	LST	DOL	0.08	
178.00	LST	DOL	0.00	
179.00	LST	DOL	0.00	
180.00	LST	DOL	0.04	
181.00	LST	DOL	0.04	
182.00	LST	DOL	0.12	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00	LST	DOL	0.00	
184.00	LST	DOL	0.02	
185.00	LST	DOL	0.06	
186.00	LST	DOL	0.18	
187.00	LST	DOL	0.00	
188.00	LST	DOL	0.00	
189.00	LST	DOL	0.00	
190.00	LST	DOL	0.06	
191.00	LST	DOL	0.06	
192.00	LST	DOL	0.26	
193.00	LST	DOL	0.00	
194.00	LST	DOL	0.04	
195.00	LST	DOL	0.00	
196.00	LST	DOL	0.00	
197.00	LST	DOL	0.00	
198.00	LST	DOL	0.00	
199.00	LST	DOL	0.00	
200.00	LST	DOL	0.02	
201.00	LST	DOL	0.08	
202.00	LST	DOL	0.00	
203.00	LST	DOL	0.00	
204.00	LST	DOL	3.91	
205.00	LST	DOL	0.00	
206.00	LST	DOL	0.00	
207.00	LST	DOL	0.06	
208.00	LST	DOL	0.00	
209.00	LST	DOL	0.00	
210.00	LST	DOL	0.24	
211.00	LST	DOL	0.00	
212.00	LST	DOL	0.00	
213.00	LST	DOL	0.00	
214.00	LST	DOL	0.00	
215.00	LST	DOL	0.00	
216.00	LST	DOL	0.08	
217.00	LST	DOL	0.00	
218.00	LST	DOL	0.08	
219.00	LST	DOL	0.00	
220.00	LST	DOL	0.00	
221.00	LST	DOL	0.00	
222.00	LST	DOL	0.06	
223.00	LST	DOL	0.00	
224.00	LST	DOL	0.04	
225.00	LST	DOL	0.00	
226.00	LST	DOL	0.10	
227.00	LST	DOL	0.02	
228.00	LST	DOL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
229.00	LST	DOL	0.14	
230.00	LST	DOL	0.00	
231.00	LST	DOL	0.06	
232.00	LST	DOL	0.04	
233.00	LST	DOL	0.00	
234.00	LST	DOL	0.08	
235.00	LST	DOL	0.00	
236.00	LST	DOL	0.00	
237.00	LST	DOL	0.00	
238.00	LST	DOL	0.00	
239.00	LST	DOL	0.00	
240.00	LST	DOL	0.00	
241.00	LST	DOL	2.52	
242.00	LST	DOL	3.38	
243.00	LST	DOL	3.36	
244.00	LST	DOL	0.10	
245.00	LST	DOL	0.36	
246.00	LST	DOL	0.00	
247.00	LST	DOL	0.00	
248.00	LST	DOL	1.88	
249.00	LST	DOL	3.36	
250.00	LST	DOL	2.80	
251.00	LST	DOL	2.87	
252.00	LST	DOL	3.19	
253.00	LST	DOL	3.40	
254.00	LST	DOL	3.25	
255.00	LST	DOL	2.70	
256.00	LST	DOL	3.03	
257.00	LST	DOL	2.48	
258.00	LST	DOL	3.09	
259.00	LST	DOL	1.90	
260.00	LST	DOL	0.36	
261.00	LST	DOL	0.00	
262.00	LST	DOL	2.43	
263.00	LST	DOL	0.00	
264.00	LST	DOL	0.06	
265.00	LST	DOL	0.12	
266.00	LST	DOL	0.02	
267.00	LST	DOL	0.00	
268.00	LST	DOL	0.00	
269.00	LST	DOL	0.04	
270.00	LST	DOL	0.02	
271.00	LST	DOL	0.06	
272.00	LST	DOL	0.06	
273.00	LST	DOL	0.12	
274.00	LST	DOL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
275.00	LST	DOL	0.00	
276.00	LST	DOL	0.12	
277.00	LST		0.51	
278.00	LST		1.25	
279.00	LST		0.67	
280.00	LST		2.00	
281.00	LST		0.69	
282.00	LST		3.36	
283.00	LST		1.51	
284.00	LST		1.92	
285.00	LST		75.80	
286.00	LST		107.00	
287.00	LST		1.20	
288.00	LST		61.30	
289.00	LST		19.80	
290.00	LST		0.26	
291.00	LST		28.60	
292.00	LST		24.10	
293.00	LST		14.60	
294.00	LST		5.59	
295.00	LST		2.07	
296.00	LST		0.30	
297.00	LST		0.59	
298.00	LST		0.92	
299.00	LST		3.44	
300.00	LST		3.20	
301.00	LST		0.12	
302.00	LST		0.06	
303.00	LST		0.00	
304.00	LST		0.06	
305.00	LST		0.06	
306.00	LST		0.08	
307.00	LST		0.10	
308.00	LST		0.06	
309.00	LST		0.10	
310.00	LST		0.08	
311.00	LST		0.10	
312.00	LST		10.80	
313.00	LST		0.00	
314.00	LST		0.28	
315.00	LST		0.00	
316.00	LST		0.00	
317.00	LST		0.00	
318.00	LST		0.10	
319.00	LST		0.12	
320.00	LST		0.06	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
321.00	LST		0.24	
322.00	LST		0.04	
323.00	LST		0.14	
324.00	LST		0.00	
325.00	LST		0.10	
326.00	LST		0.34	
327.00	LST		0.61	
328.00	LST		0.02	
329.00	LST		0.10	
330.00	LST		0.04	
331.00	LST		0.08	
332.00	LST		0.04	
333.00	LST		0.10	
334.00	LST		0.06	
335.00	LST		0.00	
336.00	LST		0.12	
337.00	LST		0.04	
338.00	LST		0.04	
339.00	LST		0.04	
340.00	LST		0.00	
341.00	LST		0.00	
342.00	LST		0.00	
343.00	LST		0.12	
344.00	LST		0.02	
345.00	LST		0.20	
346.00	LST		0.06	
347.00	LST		0.06	
348.00	LST		0.02	
349.00	LST		0.26	
350.00	LST		0.00	
351.00	LST		0.00	
352.00	LST		0.06	
353.00	LST		0.12	
354.00	LST		0.10	
355.00	LST		0.16	
356.00	LST		0.06	
357.00	LST		0.12	
358.00	LST		0.06	
359.00	LST		0.02	
360.00	LST		0.06	
361.00	LST		0.06	
362.00	LST		0.08	
363.00	LST		0.14	
364.00	LST		0.08	
365.00	LST		0.06	
366.00	LST		0.08	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
367.00	LST		0.06	
368.00	LST		0.06	
369.00	LST		0.04	
370.00	LST		0.00	
371.00	LST		0.08	
372.00	LST		0.04	
373.00	LST		0.16	
374.00	LST		0.10	
375.00	LST		0.10	
376.00	LST		0.90	
377.00	LST		1.31	
378.00	LST		0.26	
379.00	LST		3.60	
380.00	LST		0.04	
381.00	LST		0.00	
382.00	LST		0.08	
383.00	LST		0.00	
384.00	LST		0.12	
385.00	LST		0.06	
386.00	LST		0.14	
387.00	LST		0.06	
388.00	LST		0.18	
389.00	LST		0.10	
390.00	LST		0.00	
391.00	LST		0.08	
392.00	LST		0.12	
393.00	LST		0.08	
394.00	LST		0.10	
395.00	LST		0.02	
396.00	LST		0.04	
397.00	LST		0.12	
398.00	LST		0.20	
399.00	LST		0.20	
400.00	LST		0.22	
401.00	LST		0.61	
402.00	LST		0.08	
403.00	LST		0.02	
404.00	LST		0.04	
405.00	LST		0.20	
406.00	LST		0.06	
407.00	LST		0.14	
408.00	LST		0.02	
409.00	LST		0.04	
410.00	LST		0.06	
411.00	LST		0.77	
412.00	LST		0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
413.00	LST		0.00	

DENSITY LOG

HOLE: Rau-10-77

Depth (m)	Unit	Modifier	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
			Py %	As %	Other	%							
43.70	LST	MBL					Marbleized	14.9	4.2	563.2	356.4	2.78	2.72
61.45	LST	FOS					-	14.4	4.2	544.9	345.4	2.79	2.73
70.60	LST	FOS					-	14.8	4.2	567.6	362.5	2.82	2.77
116.85	LST	FOS					cBX	15.2	4.2	575.7	363.8	2.79	2.72
121.65	DOL	MX					Foliated Tiger Zone	14.8	4.2	702.6	497.0	3.49	3.42
131.40	VOL	-					Amygdaloidal	14.9	4.2	593.0	384.5	2.93	2.84
138.50	VOL	-					Biotite rich	14.8	4.2	567.9	361.7	2.82	2.75
131.90	VOL	AM					Chlorite rich, Amygdaloidal	15.0	4.2	601.0	390.0	2.95	2.85
139.90	VOL	-					Amygdaloidal, SER and BIO altered	14.9	4.2	595.5	388.5	2.94	2.88
253.06	DOL	MX	w		Sp	i	Raw sugar texture	14.6	4.2	658.6	455.2	3.32	3.24
255.75	DOL	MX	w		Sp	i	Raw sugar texture	14.7	4.2	693.6	491.1	3.47	3.42
278.30	VOL	SER	t		Mg	t	Foliated SER ALT VOL	14.8	4.2	604.2	171.3	3.01	1.40
286.35	VOL	SER	t				Foliated SER and CHL ALT	14.9	4.2	582.2	374.5	2.88	2.80
303.85	LST	DOL	t				Debris Flow, DOL ALT LST	14.7	4.2	567.6	139.1	2.84	1.32
319.00	LST	DOL	t				lime-mudstone	14.7	4.2	576.9	132.9	2.89	1.30
340.37	VOL	-	f				-	15.1	4.2	602.7	396.6	2.94	2.92
346.63	LST	-	w				Debris Flow	14.8	4.2	583.7	380.8	2.90	2.88
373.45	LST	-	t				Debris Flow	14.9	4.2	584.4	379.5	2.89	2.85
393.30	LST	DOL	f				sBX	15.0	4.2	635.6	430.1	3.12	3.09
400.15	DOL	VN	t				Sphalerite in vein	14.6	4.2	602.3	402.3	3.04	3.01
402.38	LST	DOL	t				sBX	14.9	4.2	581.9	378.0	2.87	2.85

BOX LOG

HOLE: Rau-10-77

BOX	FROM (m)	TO (m)
1	3.76	9.97
2	9.97	15.44
3	15.44	20.96
4	20.96	26.33
5	26.33	31.75
6	31.75	37.26
7	37.26	42.37
8	42.37	47.76
9	47.76	53.07
10	53.07	58.36
11	58.36	63.57
12	63.57	69.23
13	69.23	74.98
14	74.98	80.47
15	80.47	86.03
16	86.03	91.55
17	91.55	97.02
18	97.02	104.23
19	104.23	107.98
20	107.98	113.36
21	113.36	118.85
22	118.85	124.19
23	124.19	128.95
24	128.95	134.37
25	134.37	139.70
26	139.70	145.09
27	145.09	150.60
28	150.60	156.03
29	156.03	161.39
30	161.39	166.77
31	166.77	172.20
32	172.20	177.45
33	177.45	182.88
34	182.88	188.35
35	188.35	193.81
36	193.81	199.16
37	199.16	204.43
38	204.43	209.70
39	209.70	215.19
40	215.19	220.73
41	220.73	226.16
42	226.16	231.55
43	231.55	237.01
44	237.01	242.49
45	242.49	247.82
46	247.82	253.39
47	253.39	258.83
48	258.83	264.22
49	264.22	269.65
50	269.65	274.91
51	274.91	280.42
52	280.42	285.75
53	285.75	291.03
54	291.03	296.13
55	296.13	301.57
56	301.57	307.39
57	307.39	312.78
58	312.78	318.27
59	318.27	323.82
60	323.82	329.49
61	329.49	335.10
62	335.10	340.56
63	340.56	346.14
64	346.14	351.62
65	351.62	357.25
66	357.25	362.84
67	362.84	368.29
68	368.29	373.80
69	373.80	379.37
70	379.37	384.70
71	384.70	390.12
72	390.12	395.74
73	395.74	401.26
74	401.26	406.74
75	406.74	412.19
76	412.19	413.00
413.00 m - E.O.H.		

RAU PROPERTY

	Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
ZONE: Tiger Oxide	10+400NW	10+240NE	528411	7119504	1465	124.68

SECTION: 10+400NW

HOLE: **Rau-10-78**

CLAIM: Rau-98f

Contractor: Superior

Drill: 3

Core size: HQ

Casing depth: 6.09 m out

Drilling dates: June 15-20, 2010

Geology logged by: K. Wynne

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-74.0	compass				
0.00	228	-74.0	ranger				
100.00	228	-74.0	ranger				

TARGET: Tiger oxide and below

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	2.39	2.39	OVB	
2.39	32.92	30.53	TIL	
32.82	58.05	25.23	VOL	
58.05	124.69	66.64	LST	
124.68	E.O.H.			

SAMPLES

Numbers: No samples taken

Total: N/A

Batch: N/A

Date Sent: N/A

Certificate: N/A

COMMENTS

The hole was lost well before its targeted depth as the rods became stuck in the hole. An attempt to reduce the rods to NQ was unsuccessful and 350 feet of rods were left in the hole. (Only 6 were retrieved from the top)

GEOLOGY LOG

HOLE: Rau-10-78

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								PHOTO
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	2.39	2.39				OVB																					
2.39	32.82	30.43				LST			Dark to medium grey, variably strained, FG to MG LST exhibiting variable BX and MO textures throughout, strong FO throughout, weak OX on fracture faces and narrow Ca veinlets. Variably fossiliferous throughout.							w										
			4.88	12.19	7.31	LST	FOS	MOT	Medium to dark grey, MG mottled LST, moderately strained bearing crinoid stem fragment fossils, becoming wackstone in composition. Oxidation on fracture surfaces. Core appearing blocky to competent.							w										
									Moderate foliation defined by strain fabric (bedding? 60 degrees TCA where present.	FO	60																
			12.19	14.77	12.19	LST			Light to dark grey, foliated FG lime-mudstone exhibiting sinuous, deformed banding (and dissolution?) throughout. Ca bands or veinlets are deformed parallel to the host , are vuggy and Fe-stained Ca where remaining.																	
									Foliation is variable, typically ~70 degrees, angle decreasing to 30 degrees TCA where most strongly strained/sheared.	FO	50																
			14.77	22.44	7.67	LST		BN	Medium to dark grey weakly fossiliferous lime mudstone, exhibiting strain fabric defining FO. Core is competent becoming fissile where strain is strongest. Trace crinoid stem fragments area at times obscured by the foliation. Small, <1 mm white blebs are elongated by the strain. Pinch-swell textures present around MG calcite nodules (relict FOS?).							t										
									Strong FO 35 degrees TCA.	FO	35																
			22.44	32.82	10.38	LST			FG, strained, light to dark grey LST, with large coral fossils present. Foliation increases downwards, obscuring breccia texture. Core is mottled 55 cm from the lower CN.																	
									Variable from 35-50 degrees TCA	FO	40																
32.82	58.05	25.23				VOL			Dark green to brown, FG, variably amygdaloidal VOL hosting hydrothermal Ca veinlets dispersed irregularly throughout. Core is magnetic, and non-calcareous and foliated. Weak OX occurs on fractures.							w										
									Strong FO, 35 degrees TCA, defined by banding in VOL.	FO	35																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			32.82	38.52	5.70	VOL			Dark green, banded, FG VOL, intensely chloritic hosting deformed Ca stringers to planar veinlets crosscutting FO. Trace, very fine grained Py disseminated throughout. Contacts between subunits gradational throughout.									CHL	i	t							
									Strong FO defined by banding, 35 degrees TCA	FO	35																
			37.00	38.00	1.00				Narrow Ca veinlets, <1 mm to 5 mm wide, 40-50 degrees TCA, 270 degrees to FO.	VN	45	270	4														
									Ca-Qz veinlet, 6 cm wide, coarse grained Qz and Ca with trace blebby yellow Py present in veinlet. Oriented 60 degrees TCA, 90 degrees to foliation.	VN	60	90															
			38.52	39.24	0.72	VOL		AM	Green-brown amygdaloidal, FG VOL, intensely biotite an chlorite altered (chlorite overprinting biotite?), with calcite filling the amygdules. Rock hosts trace Py in very FG disseminations.									BIO	s	t							
																		CHL	s								
									Weak FO, defined by amygdule orientation and weak bands, 40 degrees TCA.	FO	40																
									Narrow Ca veinlets, 50 degrees TCA, sub parallel to FO, around 10 degrees.	VN	50	10															
			39.24	43.75	4.51	VOL			Medium green, fine grained intensely chloritic, banded VOL, hosting hydrothermal CA veinlets exhibiting sub angular fracturing of VOL host.									CHL	i								
									Gradation increase in sericite alteration noted by a lighter green colour and softening of the core.									SER	f								
									Variably sinuous to linear, 3 mm to 8 cm wide, hydrothermal Ca veinlets, fracture the VOL and occur preferentially in the un-sericitized VOL. Veinlets oriented 25-40 degrees TCA.	VN	35																		
			43.75	45.75	2.00	VOL			Dark brown to blue-green, soft, calcite veined VOL. FO defined by veining and small elongate Ca spotting. Variably brown coloured areas are likely due to vFG biotite.	FO	40							CHL	s								
																		BIO	f								
									Thin Ca veinlets occur at several orientations, some x-cutting other Ca veinlets.	VN			15															
			45.75	50.44	4.69	VOL			Strongly foliated dark blue VOL with orange-brown Fe-alteration and fair SER alteration, following the FO. Trace Ca-veinlets, far less prevalent than in above interval.	FO	35							SER	f								
			50.44	52.73	2.29	VOL			Rounded slightly elongate clasts of dark grey rock up to 5 cm in diameter in dark grey matrix. Calcite overprinting both clasts and matrix, making them fizz moderately.																			
			51.95	53.00	1.05	VOL			Very rubbly zone with 6 cm thick Qz/Ca vein with weak oxidization. Possible FLT.							t										

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			52.73	58.05	5.32	VOL	SER	CGL	Calcite rich clasts (which fizz strongly) and sericite altered clasts in a matrix of SER altered VOL. There is a greater concentration of Ca clasts. The clasts are more elongate than above CGL. Black stringers follow FO, wrapping around clasts.									SER	m								
									2 Qz/Ca veins ~ 1 cm thick, with vugs occurring in one vein.	VN	40	270															
			56.50	56.88	0.38	VOL	SER		Ca rich patches up to 12 cm thick with some DOL alteration of Ca. Irregular contact of Ca with VOL.																		
			57.63	57.85	0.22	VOL			Interval of black vFG zones ~2 cm thick interlayered with ~2 cm thick MG, sparry Ca which follows FO (or possibly original bedding?).	FO	25																
58.05	124.68	66.63				LST	MBL		Medium grey, strongly calcareous limestone with intervals of MBL alteration which decrease down-hole. Weak cBX occur throughout. Unmarbleized sections have trace Po occurring along the FO. Some fossils are visible. White FG Ca occurs in patches throughout.									MBL	w			t						
			58.05	59.00	0.95	LST	MBL	cBX	Crackle breccia with light grey MBL clasts and dark grey crackle seams, which largely follow a similar orientation. Heavily seamed areas also have FG white and black spotted patches which fizz strongly. Small light beige SER patches and stringers occur throughout.									MBL	m									
			59.57	61.65	2.08	LST			Non-marbleized, medium grey LST with orange-brown alteration on fractures and following the FO. Calcite spots and veinlets occur throughout along with patches of FG black and white Ca (fossil recrystalization?).	FO	40																
			76.00	80.25	4.25	LST			Medium grey LST with orange-brown alteration on fractures and following the FO. Calcite spots and veinlets occur throughout along with patches of FG black and white Ca. Crinoid and chain coral fossils visible throughout.	FO	40																
			77.52	77.62	0.10	LST			Chain coral, very well preserved, with relatively little deformation.																		x
			108.60	124.68	16.08	LST			Orange brown alteration following FO of medium dark grey LST is more prevalent in this interval. Darker orange-brown spots are possibly altered Py, or altered Po which is seen nearby in less altered LST.	FO	40																
			124.36	124.68	0.32	LST			LST fragments in light brown mud, possibly not from the hole.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							PHOTO
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									124.68 m - E.O.H. The hole was ended because the rods became stuck. The drillers tried to reduce but then those rods became stuck.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-78

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
											No samples taken

GEOTECHNICAL LOG

HOLE: Rau-10-78

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
2.39	3.96	1.57	1.44	92	0.00	0	MS	SW		
3.96	6.71	2.75	2.31	84	0.93	34	MS	SW		
6.71	7.01	0.30	0.30	100	0.00	0	MS	SW		
7.01	8.84	1.83	1.58	86	0.58	32	MS	SW		
8.84	10.06	1.22	1.22	100	0.41	34	MS	SW		
10.06	12.80	2.74	2.56	93	1.82	66	MS	SW		
12.80	14.33	1.53	1.53	100	1.39	91	MS	SW		
14.33	16.00	1.67	1.58	95	0.74	44	MS	SW		
16.00	17.68	1.68	1.57	93	1.10	65	MS	FR		
17.68	19.20	1.52	1.29	85	0.83	55	MS	FR		
19.20	20.73	1.53	1.35	88	0.16	10	MS	SW		
20.73	22.25	1.52	1.19	78	0.42	28	MS	SW		
22.25	23.77	1.52	1.39	91	0.47	31	MS	SW		
23.77	25.91	2.14	2.12	99	0.90	42	MS	SW		
25.91	28.34	2.43	2.20	91	1.04	43	MS	SW		
28.34	29.87	1.53	1.34	88	0.87	57	MS	SW		
29.87	31.39	1.52	1.35	89	0.93	61	MS	SW		
31.39	32.92	1.53	1.15	75	0.56	37	MS	MW		
32.92	34.44	1.52	0.92	61	0.48	32	MS	SW		
34.44	35.97	1.53	1.53	100	1.37	90	MS	FR		
35.97	37.49	1.52	1.52	100	1.26	83	MS	FR		
37.49	39.01	1.52	1.50	99	1.27	84	S	FR		
39.01	40.54	1.53	1.48	97	0.91	59	MS	FR		
40.54	42.06	1.52	1.12	74	0.76	50	MS	SW		
42.06	43.59	1.53	1.00	65	0.28	18	MS	SW		
43.59	45.11	1.52	1.47	97	1.20	79	MS	FR		
45.11	46.63	1.52	1.16	76	0.62	41	MS	FR		
46.63	48.16	1.53	1.09	71	0.67	44	MS	FR		
48.16	51.05	2.89	1.60	55	0.80	28	MS	FR		
51.05	52.73	1.68	1.54	92	0.53	32	MS	SW		
52.73	54.25	1.52	1.18	78	0.38	25	MS	SW		
54.25	55.78	1.53	1.46	95	1.26	82	MS	SW		
55.78	57.30	1.52	1.43	94	1.30	86	MS	FR		
57.30	58.83	1.53	1.44	94	0.97	63	MS	SW		
58.83	60.35	1.52	1.52	100	0.86	57	MS	SW		
60.35	61.87	1.52	1.52	100	0.43	28	MS	SW		
61.87	63.09	1.22	1.11	91	1.05	86	MS	FR		
63.09	64.62	1.53	1.53	100	1.30	85	MS	FR		
64.62	66.14	1.52	1.52	100	1.27	84	MS	FR		
66.14	67.06	0.92	0.70	76	0.70	76	MS	FR		
67.06	68.58	1.52	1.52	100	1.36	89	MS	FR		
68.58	69.49	0.91	0.88	97	0.88	97	MS	FR		
69.49	71.02	1.53	1.53	100	1.34	88	MS	FR		
71.02	72.54	1.52	1.43	94	1.27	84	MS	FR		
72.54	74.07	1.53	1.53	100	1.32	86	MS	FR		
74.07	75.59	1.52	1.49	98	1.40	92	MS	FR		
75.59	77.11	1.52	0.93	61	0.57	38	MS	FR		
77.11	78.64	1.53	1.53	100	1.35	88	MS	FR		
78.64	79.86	1.22	1.15	94	0.81	66	MS	FR		
79.86	81.69	1.83	1.44	79	1.19	65	MS	FR		
81.69	83.21	1.52	1.51	99	0.97	64	MS	FR		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
83.21	84.73	1.52	1.52	100	1.38	91	MS	SW		
84.73	86.36	1.63	1.47	90	0.96	59	MS	SW		
86.36	87.78	1.42	1.26	89	1.01	71	MS	SW		
87.78	89.31	1.53	1.52	99	0.87	57	MS	SW		
89.31	90.83	1.52	1.52	100	0.69	45	MS	SW		
90.83	92.35	1.52	1.52	100	1.26	83	MS	SW		
92.35	93.88	1.53	1.53	100	1.46	95	MS	SW		
93.88	95.40	1.52	1.52	100	1.26	83	MS	SW		
95.40	96.93	1.53	1.53	100	1.43	93	MS	SW		
96.93	98.45	1.52	1.36	89	0.68	45	MS	SW		
98.45	99.97	1.52	1.52	100	1.52	100	MS	SW		
99.97	101.50	1.53	1.50	98	0.22	14	MS	SW		
101.50	103.02	1.52	1.42	93	0.98	64	MS	SW		
103.02	104.55	1.53	1.49	97	1.01	66	MS	SW		
104.55	106.07	1.52	1.48	97	0.12	8	MS	SW		
106.07	107.59	1.52	1.51	99	0.98	64	MS	SW		
107.59	109.12	1.53	1.53	100	1.03	67	MS	MW		
109.12	110.64	1.52	1.52	100	0.90	59	MS	MW		
110.64	112.17	1.53	1.53	100	0.92	60	MS	MW		
112.17	113.69	1.52	1.32	87	0.23	15	MS	SW		
113.69	114.60	0.91	0.91	100	0.36	40	MS	SW		
114.60	116.13	1.53	1.48	97	0.99	65	MS	SW		
116.13	117.65	1.52	1.52	100	0.69	45	MS	SW		
117.65	118.26	0.61	0.57	93	0.23	38	MS	SW		
118.26	119.79	1.53	1.52	99	0.73	48	MS	SW		
119.79	121.31	1.52	1.44	95	1.06	70	MS	SW		
121.31	122.83	1.52	1.40	92	1.13	74	MS	SW		
122.83	124.36	1.53	1.45	95	1.24	81	MS	SW		
124.36	E.O.H.									

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-78

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00			N/A	
2.00	LST		N/A	
3.00	LST		0.00	
4.00	LST	FOS	0.00	
5.00	LST	FOS	0.00	
6.00	LST	FOS	0.01	
7.00	LST	FOS	0.00	
8.00	LST	FOS	0.00	
9.00	LST	FOS	0.00	
10.00	LST	FOS	0.00	
11.00	LST	FOS	0.00	
12.00	LST	FOS	0.00	
13.00	LST		0.00	
14.00	LST		0.00	
15.00	LST		0.00	
16.00	LST		0.00	
17.00	LST		0.00	
18.00	LST		0.00	
19.00	LST		0.00	
20.00	LST		0.00	
21.00	LST		0.00	
22.00	LST		0.00	
23.00	LST		0.00	
24.00	LST		0.00	
25.00	LST		0.00	
26.00	LST		0.00	
27.00	LST		0.00	
28.00	LST		0.00	
29.00	LST		0.00	
30.00	LST		0.00	
31.00	LST		0.00	
32.00	LST		0.00	
33.00	VOL		1.14	
34.00	VOL		0.85	
35.00	VOL		1.20	
36.00	VOL		1.24	
37.00	VOL		1.10	
38.00	VOL		0.89	
39.00	VOL		0.80	
40.00	VOL		0.43	
41.00	VOL		0.48	
42.00	VOL		0.63	
43.00	VOL		1.41	
44.00	VOL		0.58	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	VOL		0.62	
46.00	VOL		0.75	
47.00	VOL		1.44	
48.00	VOL		0.75	
49.00	VOL		0.97	
50.00	VOL		0.60	
51.00	VOL		0.58	
52.00	VOL		0.57	
53.00	VOL	SER	0.42	
54.00	VOL	SER	0.60	
55.00	VOL	SER	0.13	
56.00	VOL	SER	0.25	
57.00	VOL	SER	0.10	
58.00	VOL	SER	0.30	
59.00	LST	MBL	0.00	
60.00	LST		0.00	
61.00	LST		0.00	
62.00	LST		0.21	
63.00	LST		0.00	
64.00	LST		0.16	
65.00	LST		0.00	
66.00	LST		0.00	
67.00	LST		0.00	
68.00	LST		0.00	
69.00	LST		0.00	
70.00	LST		0.00	
71.00	LST		0.08	
72.00	LST		0.00	
73.00	LST		0.00	
74.00	LST		0.00	
75.00	LST		0.00	
76.00	LST		0.00	
77.00	LST		0.00	
78.00	LST		0.11	
79.00	LST		0.00	
80.00	LST		0.00	
81.00	LST		0.20	
82.00	LST		0.00	
83.00	LST		0.84	
84.00	LST		0.00	
85.00	LST		0.48	
86.00	LST		0.31	
87.00	LST		0.36	
88.00	LST		0.00	
89.00	LST		0.00	
90.00	LST		0.80	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	LST		0.21	
92.00	LST		0.31	
93.00	LST		0.31	
94.00	LST		0.99	
95.00	LST		0.47	
96.00	LST		0.21	
97.00	LST		0.63	
98.00	LST		1.31	
99.00	LST		1.07	
100.00	LST		0.00	
101.00	LST		1.04	
102.00	LST		3.29	
103.00	LST		0.00	
104.00	LST		0.00	
105.00	LST		0.15	
106.00	LST		0.01	
107.00	LST		0.53	
108.00	LST		0.11	
109.00	LST		0.00	
110.00	LST		0.00	
111.00	LST		0.00	
112.00	LST		0.01	
113.00	LST		0.00	
114.00	LST		0.00	
115.00	LST		0.20	
116.00	LST		0.05	
117.00	LST		0.13	
118.00	LST		0.01	
119.00	LST		0.00	
120.00	LST		0.00	
121.00	LST		0.00	
122.00	LST		0.00	
123.00	LST		0.00	
124.00	LST		0.06	

DENSITY LOG

HOLE: Rau-10-78

Depth (m)	Unit	Modifier	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
			Py %	As %	Other	%							
38.85	VOL	AM						14.7	6.1	1241.0	814.3	2.92	2.91
77.95	LST				Po	t	Foliated	14.7	6.1	1195.3	763.8	2.81	2.77
98.85	LST				Po	t	Foliated	14.2	6.1	1159.4	743.8	2.82	2.79
121.10	LST	MX					Foliated, orange-brown alteration and oxidized Po/Py.	15.1	6.1	1169.6	732.8	2.68	2.68

BOX LOG

HOLE: Rau-10-78

BOX	FROM (m)	TO (m)
1	2.39	5.65
2	5.65	9.29
3	9.29	13.32
4	13.32	17.18
5	17.18	21.17
6	21.17	24.88
7	24.88	28.70
8	28.70	32.92
9	32.92	36.90
10	36.90	40.70
11	40.70	45.11
12	45.11	50.77
13	50.77	54.70
14	54.70	58.83
15	58.83	62.57
16	62.57	66.50
17	66.50	70.83
18	70.83	74.85
19	74.85	79.00
20	79.00	83.08
21	83.08	87.17
22	87.17	91.22
23	91.22	95.26
24	95.26	99.38
25	99.38	103.20
26	103.20	107.03
27	107.03	110.64
28	110.64	114.47
29	114.47	117.90
30	117.90	121.54
31	121.54	124.68
124.68 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
10+350NW	10+130NE	528360	7119394	1403	110.64

ZONE: Oxide Zone

SECTION: 10+350 NW

HOLE: **Rau-10-79**

CLAIM: Rau-69

Contractor: Superior

Drill: 2

Core size: HQ

Casing depth: 8.23 m out

Drilling dates: June 15-17, 2010

Geology logged by: K. Wynne

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-60.0	compass	64.9	229	-57.0	ranger
19.20	229	-57.6	ranger	80.16	228	-56.6	ranger
34.40	228	-57.2	ranger	95.40	227	-56.8	ranger
49.70	229	-57.3	ranger				

TARGET: Oxide Zone

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
6.76	7.01	0.25	OVB	
7.01	25.60	18.59	LST	Foliated, with medium orange-brown alteration.
25.60	31.55	5.95	VOL	Sericite altered and oxidized.
31.55	83.67	52.12	LST	Variably marbleized and brecciated.
83.67	101.45	17.78	OX	Quartz rich.
101.45	110.64	9.19	LST	Oxidized, with oxidized pyrite remnants
110.64	E.O.H.			

SAMPLES

Numbers: I075134-I075154, I075174-I075196

Total: 44

Batch: 18,19, 20

Date Sent: June 21, 22, 2010

Certificate: VA10083886, VA10083930, VA10085428

COMMENTS

364 feet 10.5 inches of plastic casing were positioned in the hole for a later gravity survey. The hole was ended because it was through the targeted oxide zone.

GEOLOGY LOG

HOLE: Rau-10-79

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	6.76	6.76				OVB			Overburden - no recovery																		
6.76	7.01	0.25				LST	OVB	cBX	White calcite with black crackle seams forming cBX.																		
7.01	25.60	18.59				LST			Medium grey, foliation defined by light grey calcite bands and spotting in darker grey mud rich layers which fizz strongly. Some layers with crinoid fossils and calcite spots (wackestone). Some alteration to medium orange-brown, very FG, soft, strongly associated with dark grey layers. Small amount of deep red very FG alteration (HEM?) in veins and on fractures. Core is very broken.	FO	55							SIL	t							
									Calcite veinlets following foliation. Some with slight vuggy texture. Up to 1 cm thick.	VT	55		1													
			17.92	25.60	7.68	LST			Silty rich LST with strong foliation. Increased alteration (15% of interval) to medium orange-brown, very FG, fizzy and soft patches, often following foliation.	FO	60															
25.60	31.55	5.95				VOL	SER		Light yellow to medium orange-brown intensely SER altered friable VOL, semi-cohesive to clay sized particles. After 31 m have black, dull to shiny alteration (SID?).	FO	55					m	t	SER	i							
									uCN sharp, without alteration of LST.	uCN																	
31.55	83.67	1.00				LST	MBL	cBX	Medium grey, with interlayered light grey-white and darker grey layers. Both fizz strongly. Dark layers thin and blurry from weak marbleization, form cBX locally. uCN rubbly, slightly oxidized.	FO	65							MBL	t							
			32.07	32.13	0.06				Very broken core, with light brown alteration/mud on surfaces. Possible fault (?)																		
			33.65	37.00	3.35	LST		cBX	Brecciated zone of LST. FG to CG calcite, possibly a vein, brecciated by a high density of dark to medium grey crackle seams. Dark grey LST is also brecciated by light grey calcite. Indistinct intervals with possible BX being overprinted. Core highly broken, with light orange alteration on fracture surfaces. Brecciated zones are slightly vuggy, and appear corroded - possibly by fluids associated with SER ALT VOL.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			37.00	49.91	12.91	LST	MBL		Medium grey fizzy LST. Interlayered light grey-white and dark grey layers following FO and undulation creating pinches and swells in white calcite layers. Dark grey seams go around MG Ca bands and nodules which have been elongated. Ca nodules are likely recrystalized fossils. Core very broken. MBL alteration weak and localized.	FO	60							MBL	w							
			49.91	63.00	13.09	LST	MBL		Intensified MBL over interval, with blurring of medium grey seams, which still pinch and swell around calcite nodules. Intervals of light pink to yellow-white, MG marble up to 20 cm thick. Interval very broken with rubble zones up to 50 cm. Medium orange-brown clay sized coating on fractures and broken surfaces, locally forming clay masses.	FO	65							MBL	ms							
			59.05	61.02	1.97	LST		cBX	Zone with dark grey crackle seams brecciating LST which has been locally dolomitized and silicified. Zones of dark grey with small light grey clasts and blebs with blurred contacts, appears to be same material forming breccia matrix. Interval is cut by vuggy Ca and a general orientation of 50-60 degrees.	VN	55			f				SIL	w							
			63.00	79.10	16.10	LST			Very broken dark grey, silt rich LST with layers of increased fossil content (wackestone). FO defined by light grey- white and dark grey layering White calcite pinches and swells, and can be blebby. Light orange brown very FG, soft, calcareous alteration occurs on fractures, coating rubble and as patches. Also forms a muddy zone 15 cm thick @ 47.50 m. Thin dark red alteration on fractures and following FO (SID?). Some zones of altered and broken core fractured along FO plane in a platy manor; may be shale rich zones or VOL interlayers (some possible SER alteration).	FO	65							SID	w							
			79.10	83.67	4.57	LST	MBL		Variably marbleized LST, medium grey with blurred grey stringers. Contains zones up to 15 cm thick of orange-brown semi-coherent clay to rubble alteration.	FO	65							MBL	f							x
			81.15	83.67	2.52	MBL			Light grey, FG to MG gradation into intensely MBL LST. The lCN with OX is sharp.	lCN																	
83.67	101.45	17.78				OX			Medium orange-brown to dark red-brown semi cohesive clay to loose rubble, with Qz as rubble in oxidized material, and comprising full sections of core up to 10 cm long.							i										

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								PHOTO
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			83.67	90.70	7.03	OX	CLY		Orange red-brown clay to grit with dark purple SID sheen common. Trace Qz locally. Holds core shape but crumbles or squishes when poked. uCN has 13 cm of medium brown clay to grit with black streaks, which fizz. The rest of interval does not fizz.							i	ms										
			90.70	101.45	10.75	OX	QZ		Start of Qz rubble and cohesive core. Most Qz rich over first 3 m. Oxide in interval is medium orange-brown, clay to grit, doesn't fizz. Light orange and dark purple brown interlayers locally.							i											
			91.20	91.45	0.25				Clay is light grey, doesn't fizz, associated with quartz rubble with sugary texture.																		
101.45	110.64	9.19				LST	OX		Medium brown-grey LST with dull, uneven surfaces which appear corroded. Fizzes with 10% HCl, soft, locally oxidized to medium orangey-brown clay to grit over up to 15 cm. Red-brown oxidized Py spotting on solid core, but no fresh Py. Oxidized Py sometimes follows FO. Some Qz blebs and dark grey-black silty clasts.	FO	45					m											
									Calcite veinlets with common orientation locally altered to siderite.	VN	35						m										
									110.64 m: E.O.H. - The hole was ended because it was past the targeted oxide zone and had transitioned into LST.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-79

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
23.77	25.60	1.83	LST		1.46	80	I075134	18	<0.01	0.03	<5	0.03	
25.60	26.82	1.22	VOL	SER	0.62	51	I075135	18	<0.01	0.35	111	2.56	
26.82	28.35	1.53	VOL	SER	0.94	61	I075136	18	<0.01	0.27	72	1.83	
28.35	29.87	1.52	VOL	SER	1.07	70	I075137	18	<0.01	0.09	26	0.78	
29.87	31.55	1.68	VOL	SER	1.23	73	I075138	18	<0.01	0.22	111	0.08	
31.55	34.44	2.89	LST	MBL	2.40	83	I075139	18	<0.01	0.03	13	0.04	
49.68	52.73	3.05	LST	MBL	2.49	82	I075141	18	0.01	0.03	17	0.04	
52.73	54.25	1.52	LST	MBL	0.88	58	I075142	18	<0.01	0.06	39	0.22	
54.25	55.78	1.53	LST	MBL	1.09	71	I075143	18	<0.01	0.03	19	0.13	
55.78	57.30	1.52	LST	MBL	0.61	40	I075144	18	<0.01	0.03	7	0.02	
57.30	59.00	1.70	LST	MBL	0.32	19	I075145	18	<0.01	0.13	43	0.45	
59.00	61.00	2.00	LST	MBL	1.44	72	I075146	18	<0.01	0.33	21	0.06	
61.00	63.40	2.40	LST	MBL	1.54	64	I075147	18	<0.01	0.05	19	0.04	
63.40	64.92	1.52	LST	MBL	0.77	51	I075148	18	0.01	0.12	44	0.02	
64.92	66.45	1.53	LST	MBL	0.94	61	I075149	19	0.01	0.24	87	0.07	
66.45	67.97	1.52	LST	MBL	1.13	74	I075150	19	0.01	0.14	44	0.02	
67.97	69.49	1.52	LST	MBL	1.17	77	I075151	19	0.01	0.15	71	0.13	
69.49	72.54	3.05	LST	MBL	1.16	38	I075152	19	0.01	0.06	48	0.07	
72.54	75.59	3.05	LST	MBL	2.40	79	I075154	19	0.01	0.16	122	0.97	
75.59	77.11	1.52	LST	MBL	1.50	99	I075174	19	0.02	0.14	105	0.16	
77.11	80.16	3.05	LST	MBL	2.00	66	I075175	19	0.02	0.15	192	1.01	
80.16	81.69	1.53	LST	MBL	1.34	88	I075176	19	0.04	0.03	20	0.14	
81.69	83.67	1.98	LST	MBL	1.56	79	I075177	19	0.02	0.10	128	1.18	
83.67	84.73	1.06	OX		0.98	92	I075178	19	13.40	10.40	48200	540.00	
84.73	86.26	1.53	OX		1.41	92	I075180	19	17.20	9.05	91600	807.00	
86.26	87.78	1.52	OX		1.52	100	I075181	19	7.68	4.06	55000	1080.00	
87.78	89.31	1.53	OX		1.33	87	I075182	19	6.88	5.61	50400	830.00	
89.31	90.83	1.52	OX		1.32	87	I075183	19	12.05	3.61	45400	1650.00	
90.83	92.35	1.52	OX		1.37	90	I075184	19	1.55	10.35	13800	1980.00	
92.35	93.88	1.53	OX		1.30	85	I075185	20	0.16	2.63	7540	60.20	
93.88	95.40	1.52	OX		1.09	72	I075186	20	0.51	4.32	21100	140.50	
95.40	96.93	1.53	OX		1.23	80	I075187	20	1.96	3.15	18350	146.00	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
96.93	98.45	1.52	OX		1.35	89	I075188	20	3.20	4.15	20700	1075.00	
98.45	99.97	1.52	OX		1.52	100	I075190	20	1.99	2.55	20800	638.00	
99.97	101.50	1.53	OX		0.96	63	I075191	20	3.91	3.93	20500	1140.00	
101.50	103.02	1.52	LST	OX	1.13	74	I075192	20	0.73	2.22	2670	11.70	
103.02	106.07	3.05	LST	OX	2.30	75	I075193	20	0.07	0.40	327	4.47	
106.07	109.12	3.05	LST	OX	2.58	85	I075195	20	0.22	0.66	1550	3.49	
109.12	110.64	1.52	LST	OX	1.22	80	I075196	20	0.06	0.47	4020	2.09	
-	-	-	-	-	-	-	I075140	18	1.36	0.58	72	1.34	STANDARD ROS-2
-	-	-	-	-	-	-	I075153	19	0.37	7.20	<0.2	1.14	STANDARD ROS-4
-	-	-	-	-	-	-	I075179	19	8.76	23.10	9	1.31	STANDARD ROS-3
-	-	-	-	-	-	-	I075189	20	<0.01	0.03	53	0.73	BLANK (HQ)
103.02	106.07	3.05	LST	OX	2.30	75	I075194	20	0.11	0.47	313	3.64	DUPLICATE

GEOTECHNICAL LOG

HOLE: Rau-10-79

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
6.76	7.01	0.25	0.25	100	0.12	48	S	MW		
7.01	8.53	1.52	0.60	39	0.11	7	MS	MW		
8.53	10.06	1.53	0.81	53	0.00	0	MS	MW		
10.06	11.58	1.52	0.80	53	0.14	9	S	SW		
11.58	13.11	1.53	0.80	52	0.14	9	VS	SW		
13.11	14.63	1.52	1.17	77	0.00	0	VS	SW		
14.63	16.15	1.52	1.18	78	0.42	28	MS	SW		
16.15	17.68	1.53	1.15	75	0.21	14	MS	SW		
17.68	19.20	1.52	0.73	48	0.22	14	MS	MW		
19.20	20.73	1.53	1.18	77	0.12	8	MS	SW		
20.73	22.25	1.52	1.27	84	0.16	11	MS	SW		
22.25	23.77	1.52	1.20	79	0.00	0	MS	MW		
23.77	25.30	1.53	1.24	81	0.57	37	MS	MW		
25.30	26.82	1.52	0.82	54	0.14	9	W	EW	10YR 6/3	
26.82	28.35	1.53	1.12	73	0.00	0	EW	EW	10YR 6/4	
28.35	29.87	1.52	1.18	78	0.00	0	EW	HW	10YR 6/5	
29.87	31.39	1.52	1.13	74	0.00	0	EW	HW	10YR 6/6	
31.39	32.18	0.79	0.79	100	0.32	41	MS	MW	5YR 5/4	
32.18	34.44	2.26	1.33	59	0.46	20	MS	SW		
34.44	35.97	1.53	1.02	67	0.00	0	MS	SW		
35.97	37.49	1.52	1.40	92	0.34	22	MS	SW		
37.49	39.01	1.52	1.28	84	0.11	7	W	SW		
39.01	40.54	1.53	0.80	52	0.00	0	W	SW		
40.54	42.02	1.48	1.01	68	0.00	0	W	SW		
42.02	43.59	1.57	1.19	76	0.32	20	MS	SW		
43.59	45.11	1.52	1.31	86	0.20	13	MS	SW		
45.11	46.63	1.52	1.15	76	0.51	34	MS	SW		
46.63	48.16	1.53	1.43	93	0.51	33	MS	SW		
48.16	49.68	1.52	1.22	80	0.59	39	MS	SW		
49.68	51.21	1.53	1.47	96	0.17	11	MS	SW		
51.21	52.73	1.52	1.02	67	0.21	14	MS	MW		
52.73	54.25	1.52	0.88	58	0.00	0	W	HW		
54.25	55.78	1.53	1.09	71	0.20	13	W	HW		
55.78	57.30	1.52	0.61	40	0.00	0	W	MW		
57.30	58.83	1.53	0.21	14	0.00	0	W	HW		
58.83	60.35	1.52	1.06	70	0.37	24	W	MW		
60.35	61.87	1.52	1.39	91	0.42	28	MS	MW		
61.87	63.40	1.53	1.16	76	0.15	10	MS	MW		
63.40	64.92	1.52	0.72	47	0.00	0	W	MW		
64.92	66.45	1.53	0.94	61	0.00	0	W	HW		
66.45	67.97	1.52	1.13	74	0.49	32	MS	MW		
67.97	69.49	1.52	1.17	77	0.13	9	W	MW		
69.49	71.02	1.53	1.16	76	0.44	29	MS	MW		
71.02	72.54	1.52	0.91	60	0.15	10	W	MW		
72.54	74.07	1.53	1.12	73	0.20	13	W	HW		
74.07	75.59	1.52	1.28	84	0.30	20	W	HW		
75.59	77.11	1.52	1.17	77	0.14	9	W	HW		
77.11	78.64	1.53	1.35	88	0.32	21	W	HW		
78.64	80.16	1.52	0.94	62	0.00	0	MS	MW		
80.16	81.69	1.53	1.32	86	0.51	33	MS	HW		
81.69	83.21	1.52	1.21	80	0.76	50	MS	MW		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
83.21	83.67	0.46	0.31	67	0.00	0	W	MW		
83.67	84.73	1.06	0.90	85	0.00	0	EW	EW	2.5YR 4/4	OXIDE
84.73	86.26	1.53	1.37	90	0.00	0	EW	EW	2.5YR 4/4	OXIDE
86.26	87.78	1.52	1.49	98	0.00	0	EW	EW	2.5YR 4/4	OXIDE
87.78	89.31	1.53	1.35	88	0.00	0	EW	EW	2.5YR 4/4	OXIDE
89.31	90.83	1.52	1.29	85	0.00	0	EW	EW	2.5YR 4/4	OXIDE
90.83	92.35	1.52	1.35	89	0.00	0	EW	EW	5YR 4/4	OXIDE
92.35	93.88	1.53	1.29	84	0.00	0	EW	EW	2.5YR 4/4	OXIDE
93.88	95.40	1.52	1.04	68	0.00	0	EW	EW	2.5YR 4/4	OXIDE
95.40	96.93	1.53	1.20	78	0.00	0	EW	EW	2.5YR 4/4	OXIDE
96.93	98.45	1.52	1.42	93	0.00	0	EW	EW	5YR 4/4	OXIDE
98.45	99.97	1.52	1.52	100	0.00	0	EW	EW	5YR 4/4	OXIDE
99.97	101.50	1.53	0.93	61	0.00	0	EW	EW	5YR 4/4	OXIDE
101.50	103.02	1.52	1.15	76	0.17	11	W	HW	7.5YR 4/6	OXIDE
103.02	104.55	1.53	0.87	57	0.46	30	MS	MW		
104.55	106.07	1.52	1.32	87	0.87	57	S	SW		
106.07	107.59	1.52	1.14	75	0.82	54	W	MW		
107.59	109.12	1.53	1.42	93	1.13	74	MS	HW		
109.12	110.64	1.52	1.27	84	0.42	28	W	HW		
110.64	E.O.H.									

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-79

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	OVB		N/A	
2.00	OVB		N/A	
3.00	OVB		N/A	
4.00	OVB		N/A	
5.00	OVB		N/A	
6.00	LST	OVB	N/A	
7.00	LST		0.06	
8.00	LST		0.00	
9.00	LST		0.00	
10.00	LST		0.00	
11.00	LST		0.00	
12.00	LST		0.00	
13.00	LST		0.00	
14.00	LST		0.00	
15.00	LST		0.00	
16.00	LST		0.00	
17.00	LST		0.00	
18.00	LST		0.00	
19.00	LST		0.00	
20.00	LST		0.00	
21.00	LST		0.00	
22.00	LST		0.00	
23.00	LST		0.00	
24.00	LST		0.00	
25.00	LST		0.00	
26.00	VOL	SER	0.00	
27.00	VOL	SER	0.02	
28.00	VOL	SER	0.00	
29.00	VOL	SER	0.00	
30.00	VOL	SER	0.00	
31.00	VOL	SER	0.00	
32.00	LST	MBL	0.00	
33.00	LST	MBL	0.80	
34.00	LST	MBL	0.00	
35.00	LST	MBL	0.00	
36.00	LST	MBL	0.00	
37.00	LST	MBL	0.00	
38.00	LST	MBL	0.00	
39.00	LST	MBL	0.00	
40.00	LST	MBL	0.00	
41.00	LST	MBL	0.03	
42.00	LST	MBL	0.00	
43.00	LST	MBL	0.00	
44.00	LST	MBL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	LST	MBL	0.00	
46.00	LST	MBL	0.00	
47.00	LST	MBL	0.00	
48.00	LST	MBL	0.00	
49.00	LST	MBL	0.16	
50.00	LST	MBL	0.00	
51.00	LST	MBL	0.00	
52.00	LST	MBL	0.00	
53.00	LST	MBL	0.00	
54.00	LST	MBL	0.00	
55.00	LST	MBL	0.00	
56.00	LST	MBL	0.00	
57.00	LST	MBL	0.00	
58.00	LST	MBL	0.00	
59.00	LST	MBL	0.00	
60.00	LST	MBL	0.00	
61.00	LST	MBL	0.00	
62.00	LST	MBL	0.00	
63.00	LST	MBL	0.00	
64.00	LST	MBL	0.00	
65.00	LST	MBL	0.10	
66.00	LST	MBL	0.01	
67.00	LST	MBL	0.00	
68.00	LST	MBL	0.00	
69.00	LST	MBL	0.00	
70.00	LST	MBL	0.00	
71.00	LST	MBL	0.00	
72.00	LST	MBL	0.00	
73.00	LST	MBL	0.16	
74.00	LST	MBL	0.00	
75.00	LST	MBL	0.00	
76.00	LST	MBL	0.00	
77.00	LST	MBL	0.00	
78.00	LST	MBL	0.00	
79.00	LST	MBL	0.00	
80.00	LST	MBL	0.00	
81.00	LST	MBL	0.10	
82.00	LST	MBL	0.00	
83.00	LST	MBL	0.00	
84.00	OX		0.26	
85.00	OX		0.43	
86.00	OX		0.28	
87.00	OX		0.06	
88.00	OX		0.53	
89.00	OX		0.10	
90.00	OX		0.35	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	OX		0.21	
92.00	OX		0.70	
93.00	OX		0.05	
94.00	OX		0.28	
95.00	OX		0.16	
96.00	OX		0.47	
97.00	OX		0.43	
98.00	OX		0.40	
99.00	OX		0.55	
100.00	OX		0.48	
101.00	OX		0.00	
102.00	LST	OX	0.00	
103.00	LST	OX	0.00	
104.00	LST	OX	0.00	
105.00	LST	OX	0.00	
106.00	LST	OX	0.00	
107.00	LST	OX	0.00	
108.00	LST	OX	0.00	
109.00	LST	OX	0.00	
110.00	LST	OX	0.00	
111.00	LST	OX	0.20	

DENSITY LOG

HOLE: Rau-10-79

Depth (m)	Unit	Modifier	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
			Py %	As %	Other	%							
14.93	LST						Silty layers	14.8	6.1	1174.5	741.6	2.74	2.71
54.98	LST						Slightly marblized	14.9	6.1	1166.6	738.9	2.71	2.73
69.79	LST						5% altered light brown.	14.7	6.1	1169.9	725.7	2.75	2.63
84.62	OX	CLY						11.6	6.1	642.8	n/a	1.92	n/a
86.26	OX	CLY						9.8	6.1	601.2	n/a	2.12	n/a
87.00	OX	CLY						16.2	6.1	912.3	n/a	1.95	n/a

HOLE: Rau-10-79

Box #	Diameter (cm)	From (m)	To (m)	Unit	Modifier	Recovery	Weight	Density	Comments
20	6.1	84.51	87.78	OX		3.18	48.0	2.34	
21	6.1	87.78	91.47	OX		3.19	55.0	2.68	15 cm of Qz rubble at end.
22	6.1	91.47	95.60	OX	Qz	3.12	52.0	2.59	30% Qz
23	6.1	95.60	98.77	OX	Qz	3.20	54.0	2.62	10% Qz
24	6.1	98.77	102.80	OX	Qz	3.15	53.0	2.61	Qz fragments, last 1.3 m is oxidized LST.

BOX LOG

HOLE: Rau-10-79

BOX	FROM (m)	TO (m)
1	6.76	11.85
2	11.85	15.81
3	15.81	19.63
4	19.63	23.55
5	23.55	27.30
6	27.30	31.55
7	31.55	35.62
8	35.62	38.40
9	38.40	42.49
10	42.49	46.63
11	46.63	50.43
12	50.43	54.40
13	54.40	60.68
14	60.68	65.12
15	65.12	69.40
16	69.40	73.16
17	73.16	76.58
18	76.58	80.40
19	80.40	84.51
20	84.51	87.78
21	87.78	91.47
22	91.47	95.06
23	95.06	98.77
24	98.77	102.80
25	102.80	107.50
26	107.50	110.64
E.O.H. - 110.64 m		

RAU PROPERTY

	Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
ZONE: TIGER	09+850NW	10+170NE	528717	7119041	1357	149.20

SECTION: 9+850 NW

HOLE: **RAU-10-80**

CLAIM: Rau 56

Contractor: Superior

Drill: 1

Core size: BTW

Casing depth: 13.72 m out

Drilling dates: June 15-16, 2010

Geology logged by: K. Unger

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	222	-50.0	compass	88.39	224	-47.9	ranger
12.20	221	-48.2	ranger	103.60	225	-47.7	ranger
27.43	223	-48.3	ranger	118.87	228	-47.3	ranger
73.15	224	-48.3	ranger				

TARGET: Upper Tiger Mineralization

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
6.50	12.00	5.50	OVB	
12.00	117.93	105.93	LST	
117.93	125.14	7.21	DOL	Tiger Zone style mineralization
125.14	126.25	1.11	MBL	
126.25	140.95	14.70	VOL	Brown and green with amygdaloidal texture
140.95	149.20	8.25	LST	Dolomitized and brecciated
149.20	E.O.H.			

SAMPLES

Numbers: I075155-I075173

Total: 19

Batch: 19

Date Sent: June 21, 2010

Certificate: VA10083930

COMMENTS

The hole was ended because it was past the upper mineralized horizon and therefore past the targeted depth.

GEOLOGY LOG

HOLE: RAU-10-80

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	6.50	6.50				OVB			Overburden - no recovery																		
6.50	12.00	5.50				OVB			Brown to black, earthy overburden. Some blocky core fragments present, dark grey LST and green VOL core above 11.43 m. Weak to moderate oxidation.							f										
12.00	117.93	105.93				LST			Dark grey to light grey, variably brecciated, variably strained, variably marbleized LST. Dark, FG (lime mudstone?) interbeds present, frequency of lime mudstone increasing with depth. Mudstone beds exhibiting strain/shear more readily than other subunits. Rock fizzes readily throughout with 10% HCl. Trace fossils present. Foliation variable throughout, generally defined by strain fabric.							t				t							
			12.50	15.24	2.74	LST	FOS		Light to medium grey interbedded wackestone (?) and mudstone exhibiting debris flow (rip up?) texture at top of interval. Crinoid fossils present, frequency of crinoids increases with depth. Weakly oxidized, on rock fracture faces.							w				t							x
									30 degrees TCA, defined by bedding (strain?) Soft, white clasts elongate with FO.	FO	30															
			15.24	25.45	10.21	LST	FOS		Medium to dark grey, FG fossiliferous LST hosting crinoid and coral fossils. Crinoids decrease, corals increase and rock becomes darker exhibiting more dissolution and strain moving down hole.							w										
									35 degrees TCA, defined by strain fabric (possible bedding?)	FO	35															
			24.45	31.15	6.70	LST	MBL	BX	Light to medium grey, strained, weakly marbleized LST. Strain obscures relict brecciation. Wavy dissolution textures are present exhibiting a near stylolitic appearance between lighter coloured relict breccia clasts. Strain fabric and marble alteration increases with depth, though marbleization varies slightly throughout.							t										
									Foliation is variable throughout from 10 to 40 degrees, foliation angle is lower where more marbleized occurs and grades to 40 degrees TCA where marbleization is weaker.	FO	30														
									Narrow, 1 mm Ca veinlets crosscutting but oriented parallel to the FO.	VN	70	0	3													

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			31.15	46.89	15.74	LST		BX	Dark to light grey, variably brecciated, variably strained LST, exhibiting variable dissolution textures becoming near stylolitic. Brecciation is obscured by strain, breccia clasts elongate with strain fabric. Weak OX alteration on fracture faces. LST is weakly marbleized, exhibiting a fuzzy, sucrosic recrystalization texture.							w		MBL	w								
									30 degrees TCA, defined by strained clast orientation and dissolution bands.	FO	30																
			46.89	66.27	19.38	LST	MBL		Light grey, moderately to strongly marbleized LST with dark dissolution bands. Marbleization overprints brecciation in the rock. MBL is gradational with top subunit over 90 cm, and over 50 cm to contact with lower subunit. Dissolution bands 1-2 mm wide, appear as stylolites to deformed breccia matrix, dark sinuous bands against light grey, sugary, recrystalized MBL LST.									MBL	ms								x
			46.89	57.40	10.51				Foliation is variable in subunit, varying from 5 to 30 degrees TCA, becoming closer to core axis with increasing depth.	FO	30																
			57.40	66.27	8.87				Steep, 5 to 15 degree foliation, defined by dissolution bands.	FO	10																
			66.27	76.12	9.85	LST		cBX	Dark grey, variably strained and variably brecciated LST, clasts elongate becoming obscured up hole where strain is strongest. Dissolution textures are present where strain is strong becoming near stylolitic, decreasing down hole with decreasing strain. Crackle brecciation texture increases with depth.																			
			66.27	66.70	0.43				Foliation is 10 degrees TCA nearing marbleized subunit above.	FO	10																
			66.70	75.10	8.40				FO is 40-70 degrees TCA to unfoliated with cBX	FO	50																
									Brecciated Qz-Ca veinlet @ 75.22 m, CG Qz-Ca with dark, cBX matrix. 6 cm selvage exhibiting mBX texture. Veinlet is 5 cm wide.	VN																	

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			76.12	90.66	14.54	LST		FG	Dark, FG calcareous lime mudstone , variably fossiliferous with frequency of fossils increasing with depth. Rock is variably sheared/strained to folded, shear increasing with depth, with bands/beds exhibiting sinuous to m-folds appearing where deformation is strongest. Sheared rock exhibiting round, Ca "eyes" with pinch/swell following foliation. Trace Py is present, dull grey in colour, in an FG nebulous mass near bottom contact @ 90.64 m replacing darker area. Trace (actinolite?) in sheared mudstone also present, small, 1 mm long narrow needle-like crystals in dark bands with no preferred orientation. Contact with lower subunit is sharp, but exhibits shearing above contact.											t							x
									Variable, 50-80 degrees TCA, angle lessening where strain/shear increases in rock from parallel bands to sinuous, folded beds.	FO	70															
									M-folds in layered lime mudstone @ 89.83 m	SH																x
			90.66	91.73	1.07	LST		CG	White to medium grey, appearing recrystalized variably to concentric semi-circles 3-5 cm wide to linear "picket fence", fibrous coarse crystals to 9 cm long canoe paddle-like in shape (fossils?) Calcareous throughout. Weak OX occurs on fracture faces. MG recrystalized matrix.						w											
									Weak FO defined by irregular bands in matrix	FO	40															
			91.73	108.22	16.49	LST	FOS	FG	Dark, fine grained, variably strained/sheared, variably fossiliferous, lime mudstone. Where most fossiliferous, rock can become crinoid stem wackestone in composition. Fossils present are crinoid stems and coral mounds. Calcareous bands exhibiting strain fabric throughout, from planar to deformed sinuous 2-4 mm wide bands without foliation to weakly brecciated mudstone (soft sediment deformation?) Trace Py mineralization, fine grained bright <mm cubes of pyrite associated with FG dark beds/bands in deformed areas.											t							
									30-80 degrees TCA, lower angle approaching core axis where strained.	FO	60															

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			108.22	117.93	9.71	LST		BX	Light to dark grey, variably brecciated, variably marbleized, weakly fossiliferous cBX LST, becoming dolomite altered 20 cm above lower contact. cBX throughout, varying in intensity, cBX clasts becoming finer with depth, exhibiting a "wrinkled" appearance nearing lower CN, and appearing moderately bleached. Breccia texture becomes obscured where marble alteration is strongest. Strain exhibited by dissolution bands in moderately marbleized rock. Fossils trace throughout, most fossils present at top of subunit. Crinoids, corals and a solitary bivalve (?) present. Py present as FG, dull brassy masses (P1 or P2?) associated with deformed Ca veinlets with bright, FG <1 mm yellow Py subcrystalline cubes overprinting duller Py. Trace OX occurs on fracture surfaces.					f		t		MBL	m	t							x
									40-60 degrees TCA when present, defined by strain fabric.	FO	50																
			115.00	116.00	1.00				Narrow 2-9 mm Ca veinlet in marbleized rock	VN	30		8														
			117.00	118.00	1.00				Deformed Ca+Py veinlets, Py as FG masses in selvage to veinlet minerals, dull Py with bright overprints in vein selvage.	VN	20	190	2														
									114.55 to 116.92 m, moderately marbleized, medium grey LST, exhibiting strained BX texture and recrystalization.									MBL	m								
117.93	125.14	7.21				DOL	MX		Tiger Zone. White to medium grey, intensely DOL, MG dolomite with bands of Py giving a slightly mottled appearance. Dolomite generally coarsens with depth. Py present as FG dull bands with a common orientation 3 mm to 3 cm in width (P1?) generally lacks overprinting by bright, yellow Py. As is present variably throughout, from weak to trace mineralization, exhibiting both stability with and being replaced by Py. Trace Po present, seen replacing Py. Trace red Sp hosted in narrow Ca veinlets, most readily visible as disk-shaped crystals on fracture faces following Ca veinlets. Trace OX, some rusty Py with oxidation on some fracture surfaces.					l		t				l	t	t	Sp	t			

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
125.14	126.25	1.11				MBL			White marble with grey dissolution bands, sericite altered VOL interbeds occur near the CN with VOL unit below, gradational contact with above tiger zone, 15 cm dolomite becoming marbleized, (or vice versa). Subunit fizzes readily with 10% HCl.																		
126.25	140.95	14.70				VOL	AM		Brown to green, fine grained, variably amygdaloidal, magnetic VOL, intensely chloritic where green, intensely biotitic where brown (potassic alt?). CN with above unit is gradational, intensely SER altered VOL becoming brown grading into green CHL altered VOL, weakly amygdaloidal. Gradation into brown BIO altered VOL over 30 cm, becoming more amygdaloidal, hosting CG Po crystals and Py cubes in places. VOL exhibiting brecciation (?) below 137.75 m to 140.95 m, strongly SER altered with brown-red rims around SER altered BX clasts with white, deformed Ca amygdules (BX matrix?) (Soft sediment deformation?). Rock is magnetic throughout.											t		t					x
			127.15	132.60	5.45				Green VOL, calcareous throughout, FG, intensely CHL altered, hosting trace FG Py disseminations throughout. Weakly amygdaloidal in texture, with white Ca filled amygdules present.											t							
									Ca veinlets, <7 mm wide, 55 degrees TCA, frequency higher uphole.	VN	55		3														
			132.60	140.95	8.35	VOL			Brown, moderately amygdaloidal, intensely BIO (potassic?) altered VOL becoming strongly SER altered with depth, brown-red rims around SER ALT breccia-like clasts in a calcareous matrix. Po presen as sub crystalline blebs dispersed in VOL exhibiting partial to full replacement of amygdules up to 1 cm in size. Po appearing variably replaced by bright Py usually partial where exhibited, rare full replacement seen.											t		w					
									4 mm wide, 15 degrees TCA Po veinlet with Py replacing Po, growing as mm sized cubes in selvage.	VN	15										20		65					

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
140.95	149.20	8.25				LST	DOL	BX	Dark grey to white, cBX to mBX, intensely DOL, brecciated LST. Rock appearing moderately marbleized in spots. Brecciation is variable, generally mBX in texture, exhibiting CG dolomite recrystalization overprinting LST. Py present as bright, <1 mm cubes bordering or overprinting dark breccia clasts.												t		t					
									Foliation is non existent to moderately strong where present at 70 degrees TCA.	FO	70																
									4 cm wide, CG Po-Ca-Cl vein with Py overprinting Po. Py present as bright, brassy yellow cubes. Ca yellowy to white with Cl rimming Ca crystals. Wide, bleached or marbleized selvage up to 60 cm from vein (high temperature vein?).	VN	50									25		i					
									Hydrothermal Ca veinlet with angular clasts hosted in (breccia?) Ca veinlet.	VN	30																
									149.20 m: E.O.H. - The hole was ended because it was past the targeted upper tiger horizon.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: RAU-10-80

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
112.00	115.00	3.00	LST		2.94	98	I075155	19	0.01	0.02	<5	0.08	
115.00	118.00	3.00	LST		2.87	96	I075156	19	0.08	0.24	248	2.23	
118.00	120.40	2.40	DOL	MX	2.40	100	I075158	19	2.33	0.19	15600	113.50	
120.40	123.44	3.04	DOL	MX	2.99	98	I075159	19	0.37	0.30	2450	394.00	
123.44	125.14	1.70	DOL	MX	1.68	99	I075160	19	2.60	7.88	19650	422.00	
125.14	126.25	1.11	MBL		1.06	95	I075161	19	0.02	0.92	44	3.28	
126.25	127.41	1.16	VOL		1.12	97	I075162	19	0.01	0.43	37	0.86	
127.41	130.45	3.04	VOL		2.15	71	I075163	19	0.01	0.06	1	0.13	
130.45	132.25	1.80	VOL		1.77	98	I075165	19	<0.01	0.09	<0.2	0.07	
132.25	133.50	1.25	VOL		1.25	100	I075166	19	<0.01	0.13	1	16.10	
133.50	136.70	3.20	VOL		2.12	66	I075167	19	<0.01	0.23	35	20.80	
136.70	139.90	3.20	VOL		2.10	66	I075168	19	0.02	0.11	3	0.64	
139.90	140.95	1.05	VOL		1.05	100	I075169	19	0.01	0.12	34	3.62	
140.95	143.00	2.05	LST	DOL	1.96	96	I075170	19	0.01	0.01	6	0.61	
143.00	146.05	3.05	LST	DOL	3.05	100	I075171	19	0.02	0.03	16	18.10	
146.05	149.20	3.15	LST	DOL	3.11	99	I075172	19	0.02	0.02	261	1.55	
-	-	-	-	-	-	-	I075157	19	<0.01	0.02	<5	0.04	BLANK (BTW)
127.41	130.45	3.04	VOL		2.15	71	I075164	19	<0.01	0.08	2	0.10	DUPLICATE
-	-	-	-	-	-	-	I075173	19	0.01	<0.01	<5	0.03	BLANK (BTW)

GEOTECHNICAL LOG

HOLE: RAU-10-80

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
6.50	6.71	0.21	0.21	100	0.00	0	W	HW		
6.71	10.06	3.35	0.12	4	0.00	0	W	HW		
10.06	11.43	1.37	0.15	11	0.00	0	W	HW		
11.43	12.50	1.07	0.58	54	0.00	0	W	SW		
12.50	13.72	1.22	1.12	92	0.83	68	MS	SW		
13.72	15.24	1.52	1.52	100	0.98	64	MS	SW		
15.24	16.76	1.52	1.52	100	1.52	100	MS	SW		
16.76	19.81	3.05	2.87	94	1.85	61	MS	SW		
19.81	22.86	3.05	2.95	97	2.10	69	MS	SW		
22.86	25.91	3.05	2.95	97	2.20	72	MS	SW		
25.91	28.96	3.05	2.93	96	2.41	79	MS	SW		
28.96	32.00	3.04	2.97	98	2.72	89	MS	FR		
32.00	35.05	3.05	3.05	100	2.18	71	MS	FR		
35.05	38.10	3.05	2.92	96	2.29	75	MS	FR		
38.10	41.15	3.05	3.02	99	2.93	96	MS	FR		
41.15	44.20	3.05	3.00	98	2.26	74	MS	FR		
44.20	47.24	3.04	3.00	99	2.85	94	MS	FR		
47.24	50.29	3.05	3.02	99	2.86	94	MS	FR		
50.29	53.34	3.05	3.01	99	2.55	84	MS	FR		
53.34	56.39	3.05	2.99	98	2.62	86	MS	FR		
56.39	59.43	3.04	3.00	99	2.33	77	MS	FR		
59.43	62.48	3.05	2.95	97	2.46	81	MS	FR		
62.48	65.53	3.05	3.03	99	2.88	94	MS	FR		
65.53	68.58	3.05	2.73	90	1.74	57	MS	FR		
68.58	71.63	3.05	2.98	98	2.73	90	MS	FR		
71.63	74.68	3.05	3.01	99	2.85	93	MS	FR		
74.68	77.72	3.04	3.04	100	3.04	100	MS	FR		
77.72	80.77	3.05	3.02	99	2.98	98	MS	FR		
80.77	83.82	3.05	3.01	99	2.87	94	MS	FR		
83.82	86.87	3.05	3.02	99	2.44	80	MS	FR		
86.87	89.92	3.05	3.00	98	2.10	69	MS	FR		
89.92	92.96	3.04	2.98	98	2.21	73	MS	FR		
92.96	96.01	3.05	3.05	100	2.60	85	S	FR		
96.01	99.06	3.05	3.04	100	2.99	98	S	FR		
99.06	102.11	3.05	3.05	100	2.71	89	MS	FR		
102.11	105.16	3.05	3.05	100	2.89	95	S	FR		
105.16	108.20	3.04	3.04	100	2.65	87	MS	FR		
108.20	111.25	3.05	3.05	100	3.05	100	MS	FR		
111.25	114.30	3.05	3.05	100	2.75	90	MS	FR		
114.30	117.35	3.05	3.05	100	2.74	90	MS	FR		
117.35	120.40	3.05	3.05	100	2.90	95	MS	FR		
120.40	123.44	3.04	3.04	100	2.78	91	MS	FR		
123.44	124.36	0.92	0.90	98	0.71	77	MS	FR		
124.36	127.41	3.05	3.05	100	2.45	80	MS	FR		
127.41	130.45	3.04	3.04	100	2.58	85	S	FR		
130.45	133.50	3.05	3.05	100	2.94	96	MS	FR		
133.50	136.70	3.20	3.13	98	2.98	93	S	FR		
136.70	139.90	3.20	3.13	98	2.81	88	S	FR		
139.90	143.10	3.20	3.15	98	2.80	88	MS	FR		
143.10	146.15	3.05	3.05	100	2.74	90	MS	FR		
146.15	149.20	3.05	3.05	100	2.84	93	MS	FR		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
149.20	E.O.H									

MAGNETIC SUSCEPTIBILITY LOG

HOLE: RAU-10-80

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	OVB		NA	
2.00	OVB		NA	
3.00	OVB		NA	
4.00	OVB		NA	
5.00	OVB		NA	
6.00	OVB		NA	
7.00	OVB		NA	
8.00	OVB		NA	
9.00	OVB		NA	
10.00	OVB		NA	
11.00	OVB		18.00	
12.00	LST		1.29	
13.00	LST		0.00	
14.00	LST		0.14	
15.00	LST		0.06	
16.00	LST		0.06	
17.00	LST		0.16	
18.00	LST		0.08	
19.00	LST		0.14	
20.00	LST		0.02	
21.00	LST		0.00	
22.00	LST		0.04	
23.00	LST		0.04	
24.00	LST		0.08	
25.00	LST		0.02	
26.00	LST		0.02	
27.00	LST		0.02	
28.00	LST		0.00	
29.00	LST		0.00	
30.00	LST		0.00	
31.00	LST		0.00	
32.00	LST		0.06	
33.00	LST		0.04	
34.00	LST		0.02	
35.00	LST		0.04	
36.00	LST		0.06	
37.00	LST		0.04	
38.00	LST		0.04	
39.00	LST		0.00	
40.00	LST		0.04	
41.00	LST		0.02	
42.00	LST		0.00	
43.00	LST		0.00	
44.00	LST		0.02	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	LST		0.00	
46.00	LST		0.06	
47.00	LST		0.00	
48.00	LST		0.02	
49.00	LST		0.02	
50.00	LST		0.02	
51.00	LST		0.00	
52.00	LST		0.02	
53.00	LST		0.00	
54.00	LST		0.00	
55.00	LST		0.04	
56.00	LST		0.00	
57.00	LST		0.02	
58.00	LST		0.00	
59.00	LST		0.00	
60.00	LST		0.10	
61.00	LST		0.00	
62.00	LST		0.00	
63.00	LST		0.00	
64.00	LST		0.04	
65.00	LST		0.00	
66.00	LST		0.00	
67.00	LST		0.00	
68.00	LST		0.00	
69.00	LST		0.02	
70.00	LST		0.10	
71.00	LST		0.04	
72.00	LST		0.00	
73.00	LST		0.00	
74.00	LST		0.02	
75.00	LST		0.08	
76.00	LST		0.00	
77.00	LST		0.06	
78.00	LST		0.00	
79.00	LST		0.08	
80.00	LST		0.02	
81.00	LST		0.02	
82.00	LST		0.04	
83.00	LST		0.04	
84.00	LST		0.04	
85.00	LST		0.04	
86.00	LST		0.10	
87.00	LST		0.08	
88.00	LST		0.02	
89.00	LST		0.02	
90.00	LST		0.43	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	LST		0.00	
92.00	LST		0.06	
93.00	LST		0.04	
94.00	LST		0.00	
95.00	LST		0.00	
96.00	LST		0.00	
97.00	LST		0.00	
98.00	LST		0.04	
99.00	LST		0.00	
100.00	LST		0.04	
101.00	LST		0.00	
102.00	LST		0.02	
103.00	LST		0.04	
104.00	LST		0.06	
105.00	LST		0.06	
106.00	LST		0.04	
107.00	LST		0.06	
108.00	LST		0.08	
109.00	LST		0.02	
110.00	LST		0.00	
111.00	LST		0.08	
112.00	LST		0.06	
113.00	LST		0.02	
114.00	LST		0.08	
115.00	LST		0.00	
116.00	LST		0.00	
117.00	LST		0.14	
118.00	DOL	MX	5.74	
119.00	DOL	MX	11.70	
120.00	DOL	MX	3.07	
121.00	DOL	MX	0.59	
122.00	DOL	MX	0.55	
123.00	DOL	MX	0.32	
124.00	DOL	MX	0.32	
125.00	DOL	MX	3.19	
126.00	MBL		0.00	
127.00	VOL	AM	2.58	
128.00	VOL	AM	49.70	
129.00	VOL	AM	73.60	
130.00	VOL	AM	159.00	
131.00	VOL	AM	54.50	
132.00	VOL	AM	0.53	
133.00	VOL	AM	0.82	
134.00	VOL	AM	14.90	
135.00	VOL	AM	21.30	
136.00	VOL	AM	4.73	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	VOL	AM	24.70	
138.00	VOL	AM	9.43	
139.00	VOL	AM	1.43	
140.00	VOL	AM	12.70	
141.00	LST	DOL	13.50	
142.00	LST	DOL	0.32	
143.00	LST	DOL	0.08	
144.00	LST	DOL	0.06	
145.00	LST	DOL	2.68	
146.00	LST	DOL	0.04	
147.00	LST	DOL	0.96	
148.00	LST	DOL	0.00	
149.00	LST	DOL	0.00	

DENSITY LOG

HOLE: RAU-10-80

Depth (m)	Unit	Modifier	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
			Py %	As %	Other	%							
16.50	LST	FOS					mottled	14.9	4.2	563.1	355.5	2.78	2.71
58.40	LST	MBL						15.3	4.2	573.7	361.5	2.76	2.70
86.67	LST	FOS	t				foliated	15.0	4.2	566.1	359.2	2.78	2.74
124.48	DOL	MX	ms	f				14.6	4.2	724.3	522.7	3.65	3.59
138.75	VOL	SER					Sericite altered with calcite filled AM and chlorite alteration.	14.6	4.2	577.6	374.7	2.85	2.85
147.95	LST	DOL	t					14.9	4.2	582.5	376.5	2.86	2.83

BOX LOG

HOLE: RAU-10-80

BOX	FROM (m)	TO (m)
1	6.50	15.24
2	15.24	20.32
3	20.32	25.82
4	25.82	31.16
5	31.16	36.57
6	36.57	42.03
7	42.03	47.59
8	47.59	53.27
9	53.27	58.53
10	58.53	64.10
11	64.10	69.75
12	69.75	75.22
13	75.22	80.77
14	80.77	86.38
15	86.38	91.73
16	91.73	97.25
17	97.25	102.70
18	102.70	108.11
19	108.11	113.61
20	113.61	119.09
21	119.09	124.36
22	124.36	129.26
23	129.26	134.59
24	134.59	140.07
25	140.07	145.69
26	145.69	149.20
149.20 - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
09+800NW	10+117NE	528709	7118969	1355	222.50

ZONE: East

SECTION: 09+800NW

HOLE: **Rau-10-81**

CLAIM: Rau-56

Contractor: Superior

Drill: 1

Core size: BTW

Casing depth: 4.57 m out

Drilling dates: June 16-20, 2010

Geology logged by: K. Unger

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-65.0	compass				
0.00	228	-65.0	ranger				
100.00	228	-65.0	ranger				

TARGET: Upper Tiger and lower East Zone

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	5.00	5.00	OVB	
5.00	81.38	76.38	LST	Fossiliferous
106.00	106.31	0.31	MBL	
106.31	117.22	10.91	DOL	Mineralized
117.22	118.87	1.65	VN	Po Py vein with Sp, Gn and Cp
118.87	135.94	17.07	VOL	Amygdaloidal
135.94	222.50	86.56	LST	Dolomitized
222.50	E.O.H.			

SAMPLES

Numbers: I0745197-I0745221

Total: 25

Batch: 20, 21

Date Sent: June 22, 2010

Certificate: VA10085428, VA10085427

COMMENTS

The hole was ended because the rods became stuck. The targeted depth was not reached. The hole was re-drilled as Rau-10-83

GEOLOGY LOG

HOLE: RAU-10-81

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	Photo
0.00	5.00	5.00				OVB			Overburden - no recovery																		
5.00	106.00	101.00				LST	FOS		A combination of dark to medium grey variably fossiliferous crinoid wackestones, variably strained FG lime mudstone and occasional debris-flow textures. Crinoid stem fragments and well preserved coral fossils are present. Coral walls fizz while the inner chambers are siliceous (hard and don't fizz with 20% HCl). The limestone exhibits weak "camo" mottled texture with depth, at times deformed to obscured by strain. Rock is variably strained throughout, overprinting relict breccia texture. Strain at times deforms the crinoid stem fragments, coral fossils appear more competent and less strained (due to silicification?). Oxidation is weak throughout, mainly represented on fracture faces giving them a rusty colouration.																x
									Foliation is typically 10 degrees TCA, defined by strain fabric. FO occasionally present at ~30 degrees TCA and is defined by deformed beds/bands.	FO	15															
									Qz-Ca veinlets, cross cutting strain fabric and relict sBX textures, 0.5 to 1.5 cm wide.	VN	65	180	2														
									Qz-Ca veinlets, 1 cm wide cross cutting FO and relict breccia texture.	VN	35	45	1														
			69.86	81.38	11.52	LST	FOS	BX	Light to dark grey, variably brecciated LST, weakly fossiliferous with trace coral fragments present. Rock exhibits strain, represented by elongated breccia clasts. Dissolution bands are present, becoming near-stylolitic where strain is highest.																			
									FO 50 degrees TCA, defined by elongate breccia clasts and strain fabric.	FO	50																
			81.38	92.44	11.06	LST	MBL	BX	Light to dark grey, strongly marbleized, brecciated LST exhibiting, fuzzy, sucrosic, recrystalized texture. Marbleization overprints brecciation. Dark BX matrix minerals are harder than lighter breccia clasts (possibly silicified?) with matrix becoming near dissolution like in appearance where marbleization is strongest. Breccia clasts exhibit strain, defining a weak FO.										MBL	s							

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									Weak to moderately-strong FO, defined by elongate clasts and dissolution bands at 40-50 degrees TCA.	FO	45																
			92.44	97.87	5.43	LST		BN	Medium to dark grey, banded, fine grained, weakly fossiliferous, crinoid stem rich lime-mudstone. exhibiting variable foliation throughout. uCN with FOS LST is very sharp, becoming gradationally marbleized with unit below. Crinoid stem fragments are present. Where rock exhibits strong strain, core hosts elongate, calcareous blebs (strained crinoids?).	uCN																	
									Foliation defined by strain fabric, 50 degrees TCA. Foliation is generally parallel but exhibits with a wavy appearance.	FO	50																
			97.87	106.00	8.13	LST	MBL	BX	Light to dark grey, variably brecciated, variably strained, marbleized LST. Marble alteration overprints breccia, rock exhibits sucrosic marble recrystalization. MBL increases in strength and dissolution textures increase in concentration with depth. The dissolution textures define the foliation are enhanced in zones of the strongest marbleization. Trace OX alteration occurs on fracture surfaces.							t		MBL	m								
									The foliation runs at 50 deg TCA and is defined by strained breccia clasts and dissolution bands within the marble.	FO	50																
106.00	106.31	0.31				MBL			White, "Italian" marble, sucrosic in texture, faint, dark specks in dissolution patches present, gradational contact with subunit above over 25 cm, grading from grey to light grey to white marble.	uCN						t										
									Defined by dissolution shadow bands, 50 degrees TCA.	FO	50																
106.31	117.22	10.91				DOL	MX	CG	"Tiger Zone", white to yellow to grey, CG dolomite with ankerite, hosting FG Py bands to masses, CG As crystals, and other trace sulphides. As presence and crystal size decreases with depth (replacement by Py?). Rock is blocky, with poor recovery below 112.78 m (fault?). Tiger zone below 112.78 doesn't exhibit typical "tiger" appearance, as there is a decreased As content and crystal size, Py becomes more massive and patchy and less banded. Also red Sp occurs associated with Ca veinlets.						f			TLC	t	l	m	t	Sp	t	Cp	t		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			106.31	112.68	6.37	DOL	MX	SP	"Tiger Zone", white to yellow to grey, CG sparry dolomite with ankerite, with banded Py and coarse euhedral As generally occurring stable with each other. Sparse, silty interbeds are irregularly dispersed throughout. Weak concentration of Po overprints some of the Py, which at times occasionally appears overprinting As. (Py and As, then Py overprint, then Po over Py). Weak talc-tremolite alteration of dolomite present, green, soft, radiating fibres appear replacing dolomite.						f			TLC	w	l	s	w					
									Foliation is defined by Py bands, oriented 40-50 degrees TCA.	FO	45															
									Po, Py and Ca veinlet, crosscutting Py banding, CG Po and MG Py replacing fine banded Py along vein selvages, 9 cm wide @ 111.80 m.	VN	50	180							s		ms					
			112.68	114.31	1.63	FLT			Bleached, calcareous, blocky to competent core with small amounts of fault gouge below 112.68 m, poor recovery to 114.00 m. Coarse, siderite (?) stained Ca present near fault gouge (Ca vein?) uCN sharp, 50 degrees TCA, 0 degrees to foliation. Bottom contact also sharp, with moderate BX of DOL below.	uCN	50	0					w									
			114.31	117.22	2.91	DOL	MX		White to yellow to grey, MG to CG, sparry dolomite and ankerite, intermittently appearing vuggy. Py mineralization lacking "Tiger stripe" texture, appearing as irregular masses to wavy bands to MG cubes disseminated in CG dolomite. Dolomite at times appearing mottled, hosting FG As and dull, grey-green FG Py which is overprinted by a brighter yellow Py (P2 and P3?) @ 116.89 m. Sp present in narrow Ca veinlets, Trace Bs with Py in sparry dolomite. ICN is irregular, recrystalized and deformed. FO becoming stronger approaching CN.						w					s	t		Sp	t	Bi	t	
									Weak FO defined by Py bands and masses, 50 degrees TCA lowering to 30 degrees approaching ICN.	FO	50															
									Ca-Sp veinlets, <1 mm to 6 mm wide, orangish-red fine grained sphalerite, veinlets oriented 35 degrees TCA.	VN	35		3									Sp	I			

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
117.22	118.87	1.65				VN	MX	CG	Coarse grained, Po-Py vein with weak amounts of Sp, trace galena and trace chalcopyrite. Po appearing replaced by bright, CG Py. Bright, CG Py is rimmed by fine grained, dark pyrite which in turn is rimmed by sericite. Sp appears as CG red crystals to FG pinkish-orange crystals. FG galena is present with Sp within the vein selvages in the dolomite. The vein selvage at times appears fine grained, pinkish in colour (rhodochrosite?). Contact with unit below is bleached/marbleized.											s		s	Sp	t	Gn	t	x
																									Cp	t	
118.87	135.94	17.07				VOL		AM	Brown to green, FG-MG amygdaloidal VOL, variably CHL and BIO ALT. Amygdules are oval to irregular cloud-like patches, filled with MG Ca, and are hosted preferentially in brown (BIO ALT) VOL. Core is magnetic throughout. Rock becoming strongly SER altered with depth. uCN is bleached, sericitized exhibiting a wavy, irregular fabric near parallel to core axis.								BIO	s	t		t	Sp	t	Gn	t	
																		CHL	ms								
																		SER	s								
			121.10	123.55	2.45	VOL		BN	Green to brown, MG, banded CHL and BIO altered VOL, variably SER altered, hosting Ca veinlets parallel to FO, exhibiting a weak strain fabric.									CHL	s								
																		BIO	s								
																		SER	f								
									Strong foliation, oriented 45 degrees TCA, definec by Ca veinlets and banding and slight elongation of AM in VOL.	FO	45																
									Ca-Sp-Gn veinlet, appearing sheared and locally deforming FO in VOL. Intense SER alteration occurs in vein the selvage. Vein occurs at 20 degrees TCA, and is 80 degrees where sheared.	VN	20	270						SER	I				Sp	w	Gn	t	
									Ca veinlets, parallel to foliation, 2 to 7 mm wide, roughly 5 per meter.	VN	45	0	5														
			125.22	128.65	3.43	VOL		AM	Brown, fine grained intensely BIO altered amygdaloidal trace to weakly magnetic VOL with trace, FG Py and Po disseminations.									BIO	I	t		t					
									Weak FO, defined by amygdule orientation, 45 degrees TCA.	FO	45																
									Ca-Po vein, 2.1 cm wide, MG As with CG Po	VN	25	0									I					
									Py-Qz veinlet, with bright yellow cubes of Py, 2 mm in size. Po occurs in vein selvage.	VN		180							70							

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			131.66	134.94	3.28	VOL			Light green to grey-brown, intensely SER altered, strongly CHL, variably strained and deformed VOL with MG Qz blobs throughout. Bi rims sericite and chlorite altered areas. Rock is moderately calcareous throughout. Bright yellow Py present as blebs (replacing Bi?) and is replaced by Po. 3 Po-Ca veinlets present.								SER	I	t		t						
																		BIO	s								
									Weak FO occurring at 50 degrees TCA.	FO	50																
									Narrow, Po-Ca veinlets, oriented 40 to 60 degrees TCA, ~2 mm in width, 180 degrees to FO.	VN	40	180	2									60					
134.94	222.50	87.56				LST	DOL	BX	Light to dark grey, variably DOL ALT, brecciated LST, with cBX to mBX and a variable FO. Trace Po veinlets propagate through dark breccia matrix up hole (with Py replacing Po?), forming blebs and infilling gaps between breccia clasts. Rock appears bleached/marbleized in wide selvages of coarse grained Py veins.					s							t		t						
									Weak FO defined by dissolution bands and strained BX textures.	FO	50																
									At 144.44 m, CG Py-Po-Ca 14 cm wide veinlet with SER altered Ca crystals, FG chlorite present on veinlet walls with wide, bleached/marbleized selvages up to 1.80 m away from veinlet. Veinlet oriented 60 degrees TCA, 20 degrees to FO.	VN	60	20						SER	f	60		30						
									Coarse grained Py-Po-Ca veinlet, 17 cm wide with SER alteration of Ca crystals. Chlorite occurs along veinlet contacts, oriented 85 degrees TCA. Qz stringers are hosted in bleached/marbleized vein selvages. Py blebs are distal to vein, up to 17 cm.	VN	85	190						SER	w	60		30						
			180.11	194.89	14.78	LST	DOL	BX	Dark grey, strongly dolomitized, mBX LST with white CG dolomite altered, weakly calcareous breccia matrix with trace Qz blebs. Py is present as FG yellow blebs to crystals rimming dark breccia clasts.					s							t								
									Weak FO defined by breccia clast orientation, 50 degrees TCA.	FO	50																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			194.89	206.49	11.60	LST		BX	Dark grey to medium grey, mBX overprinting relict "camo" mottled area. Debris flow textures have white CG calcite matrix with trace Qz. Dolomite alteration is variable from none to moderate. FG, camo mottled clasts fizz readily with 10% HCl. Sub unit is more calcareous than the overall interval. Py present as FG rims and overprints in dark breccia clasts to small, ~4 mm bright yellow blebs.					w					t							
			199.40	207.66	8.26	LST		BX	Brecciated "camo" mottled limestone with, FG to debris-flow (small 1-2 mm angular black clasts), with white CG calcite matrix.																	
									Moderate FO, defined by breccia clasts and banding/strain in large, FG calcareous BX clasts, 50 degrees TCA.	FO	50																
			206.49	215.99	9.50	LST	DOL	BX	Dark grey, strongly DOL, variably mBX to cBX limestone, dark grey clasts with white, MG-CG breccia matrix. Weak OX alteration on fracture faces. Core competent to blocky. Blocky core exhibits oxidation on fracture faces. Brecciation becomes weaker with depth. Strain variable from none to moderate throughout.					s		w												
									Weak FO, defined by strain fabric when present, 40 degrees TCA.	FO	40																
			215.99	222.50	6.51	LST		BX	Dark to medium grey, weakly cBX, clastic "debris flow" and lime mudstone with weak DOL alteration. Strain varies throughout, generally increasing with depth. Rock is weakly fossiliferous with crinoid stem fragments in lime mudstone breccia clasts. Strain deforming "debris-flow" fabric and brecciation. BX matrix appears hydrothermal-like, CG euhedral calcite crystals growing into breccia space.					w												
									222.50 m - E.O.H. The hole was lost because the rods became stuck in the hole. The targeted depth was not reached.																	

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-81

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
100.58	103.36	2.78	LST		2.76	99	I075197	20	0.01	<0.01	16	0.08	
103.36	106.31	2.95	LST		2.83	96	I075198	20	<0.01	0.07	53	1.04	
106.31	109.35	3.04	DOL	MX	2.80	92	I075199	20	0.79	0.18	1060	200.00	
109.35	110.77	1.42	DOL	MX	1.31	92	I075200	20	5.14	0.52	34600	176.50	
110.77	112.68	1.91	DOL	MX	1.72	90	I075201	20	3.50	0.27	72600	146.50	
112.68	114.31	1.63	DOL	MX	0.90	55	I075203	20	0.18	5.45	2500	17.15	
114.31	117.33	3.02	DOL	MX	2.87	95	I075204	20	0.95	11.55	8690	123.00	
117.33	118.87	1.54	DOL	MX	1.54	100	I075206	20	0.13	26.50	1080	124.00	
118.87	121.10	2.23	VOL	AM	2.23	100	I075207	20	0.01	2.67	149	3.29	
121.10	123.55	2.45	VOL	AM	2.39	98	I075209	20	<0.01	0.40	115	0.65	
123.55	125.22	1.67	VOL	AM	1.60	96	I075210	20	<0.01	0.20	9	1.18	
125.22	128.22	3.00	VOL	AM	2.95	98	I075211	20	<0.01	0.08	4	5.65	
128.22	131.06	2.84	VOL	AM	2.84	100	I075212	20	<0.01	0.27	1	1.24	
131.06	133.00	1.94	VOL	AM	1.94	100	I075213	20	<0.01	0.27	36	3.08	
133.00	134.94	1.94	VOL	AM	1.93	99	I075214	20	0.01	0.26	20	3.27	
134.94	138.00	3.06	LST	DOL	3.06	100	I075215	20	<0.01	0.09	12	25.10	
138.00	141.00	3.00	LST	DOL	3.00	100	I075216	20	<0.01	0.08	11	2.86	
141.00	144.00	3.00	LST	DOL	3.00	100	I075217	20	<0.01	0.15	8	19.80	
144.00	146.74	2.74	LST	DOL	2.74	100	I075218	20	0.04	0.11	214	49.40	
146.74	148.00	1.26	LST	DOL	1.26	100	I075219	20	0.05	0.30	435	247.00	
148.00	151.00	3.00	LST	DOL	2.97	99	I075220	20	<0.01	0.02	<5	0.22	
151.00	154.00	3.00	LST	DOL	2.98	99	I075221	21	0.01	0.02	14	0.98	
-	-	-	-	-	-	-	I075202	20	<0.01	0.01	171	0.81	BLANK (BTW)
-	-	-	-	-	-	-	I075205	20	0.46	1.80	6000	78.50	Standard (RSS-7)
-	-	-	-	-	-	-	I075208	20	1.80	1.09	28500	260.00	Standard (RSS-6)

GEOTECHNICAL LOG

HOLE: Rau-10-81

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour
5.00	6.10	1.10	1.10	100	0	0	W	SW	
6.10	9.14	3.04	2.96	97	2.07	68	MS	SW	
9.14	12.19	3.05	2.99	98	2.68	88	MS	SW	
12.19	15.24	3.05	2.95	97	2.74	90	MS	FR	
15.24	18.29	3.05	2.89	95	2.65	87	MS	FR	
18.29	21.34	3.05	3.04	100	2.68	88	MS	FR	
21.34	24.38	3.04	3.02	99	2.57	85	MS	FR	
24.38	27.43	3.05	3.02	99	2.23	73	MS	FR	
27.43	30.48	3.05	2.85	93	2.45	80	MS	FR	
30.48	33.53	3.05	3.04	100	2.68	88	MS	FR	
33.53	36.58	3.05	2.93	96	2.10	69	MS	FR	
36.58	39.62	3.04	3.02	99	2.36	78	MS	FR	
39.62	42.67	3.05	3.05	100	2.46	81	MS	FR	
42.67	45.72	3.05	3.04	100	2.53	83	MS	FR	
45.72	48.77	3.05	2.99	98	2.61	86	MS	FR	
48.77	51.82	3.05	2.98	98	2.64	87	MS	FR	
51.82	54.86	3.04	3.01	99	2.93	96	MS	FR	
54.86	57.91	3.05	3.02	99	2.93	96	MS	FR	
57.91	60.96	3.05	3.04	100	3.04	100	MS	FR	
60.96	64.01	3.05	3.05	100	3.05	100	MS	FR	
64.01	67.06	3.05	3.05	100	3.05	100	MS	FR	
67.06	70.10	3.04	3.02	99	2.70	89	MS	FR	
70.10	73.15	3.05	2.97	97	2.62	86	MS	FR	
73.15	76.20	3.05	3.01	99	2.62	86	MS	FR	
76.20	79.25	3.05	2.96	97	2.45	80	MS	FR	
79.25	82.30	3.05	2.99	98	2.93	96	MS	FR	
82.30	85.34	3.04	2.98	98	2.98	98	MS	FR	
85.34	88.39	3.05	3.05	100	2.90	95	MS	FR	
88.39	91.44	3.05	3.05	100	2.73	90	MS	FR	
91.44	94.49	3.05	2.95	97	2.80	92	MS	FR	
94.49	97.54	3.05	3.03	99	2.49	82	MS	FR	
97.54	100.58	3.04	3.01	99	2.93	96	MS	FR	
100.58	103.63	3.05	3.01	99	3.01	99	MS	FR	
103.63	106.68	3.05	2.86	94	1.45	48	MS	FR	
106.68	109.73	3.05	2.99	98	2.44	80	MS	FR	
109.73	112.78	3.05	2.89	95	2.25	74	MS	FR	
112.78	115.82	3.04	2.19	72	1.75	58	MS	FR	
115.82	118.87	3.05	3.05	100	2.75	90	MS	FR	
118.87	121.92	3.05	2.90	95	1.75	57	MS	FR	
121.92	124.97	3.05	2.94	96	2.14	70	MS	FR	
124.97	128.02	3.05	3.01	99	2.59	85	MS	FR	
128.02	131.06	3.04	3.04	100	2.96	97	MS	FR	
131.06	134.11	3.05	3.00	98	2.74	90	MS	FR	
134.11	137.16	3.05	3.03	99	2.97	97	MS	FR	
137.16	140.21	3.05	3.01	99	2.18	71	MS	FR	
140.21	143.26	3.05	2.99	98	2.66	87	MS	FR	
143.26	146.30	3.04	3.04	100	2.43	80	MS	FR	
146.30	149.35	3.05	3.05	100	2.33	76	MS	FR	
149.35	152.40	3.05	3.05	100	2.88	94	MS	FR	
152.40	155.45	3.05	2.98	98	2.72	89	MS	FR	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour
155.45	158.50	3.05	3.04	100	2.62	86	MS	FR	
158.50	161.54	3.04	3.04	100	2.99	98	MS	FR	
161.54	164.59	3.05	3.05	100	3.01	99	MS	FR	
164.59	167.64	3.05	3.03	99	2.85	93	MS	FR	
167.64	170.69	3.05	3.05	100	3.05	100	MS	FR	
170.69	173.74	3.05	3.03	99	3.03	99	MS	FR	
173.74	176.78	3.04	3.04	100	2.86	94	MS	FR	
176.78	179.83	3.05	3.02	99	2.85	93	MS	FR	
179.83	182.88	3.05	3.05	100	2.86	94	MS	FR	
182.88	185.93	3.05	3.00	98	3.00	98	S	FR	
185.93	188.98	3.05	3.05	100	3.00	98	MS	FR	
188.98	192.02	3.04	3.04	100	2.98	98	MS	FR	
192.02	195.07	3.05	2.90	95	2.75	90	MS	FR	
195.07	195.52	0.45	0.45	100	0.36	80	MS	FR	
195.52	198.12	2.60	2.59	100	2.50	96	MS	FR	
198.12	201.17	3.05	3.04	100	3.04	100	MS	FR	
201.17	205.74	4.57	4.57	100	4.34	95	MS	FR	
205.74	208.79	3.05	3.05	100	3.05	100	MS	FR	
208.79	211.23	2.44	2.44	100	1.80	74	MS	SW	
211.23	213.06	1.83	1.69	92	0.71	39	MS	SW	
213.06	215.04	1.98	1.98	100	0.47	24	MS	SW	
215.04	217.93	2.89	2.64	91	1.92	66	MS	SW	
217.93	220.98	3.05	2.80	92	1.78	58	MS	SW	
220.98	222.50	1.52	1.52	100	0.68	45	MS	FR	
222.50	E.O.H.								

GEOTECHNICAL LOG

Comments

GEOTECHNICAL LOG

Comments

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-81

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	OVB		NA	
2.00	OVB		NA	
3.00	OVB		NA	
4.00	OVB		NA	
5.00	LST	FOS	0.04	
6.00	LST	FOS	0.00	
7.00	LST	FOS	0.26	
8.00	LST	FOS	0.00	
9.00	LST	FOS	0.00	
10.00	LST	FOS	0.00	
11.00	LST	FOS	0.00	
12.00	LST	FOS	0.04	
13.00	LST	FOS	0.00	
14.00	LST	FOS	0.00	
15.00	LST	FOS	0.00	
16.00	LST	FOS	0.00	
17.00	LST	FOS	0.00	
18.00	LST	FOS	0.00	
19.00	LST	FOS	0.00	
20.00	LST	FOS	0.00	
21.00	LST	FOS	0.00	
22.00	LST	FOS	0.00	
23.00	LST	FOS	0.00	
24.00	LST	FOS	0.00	
25.00	LST	FOS	0.00	
26.00	LST	FOS	0.00	
27.00	LST	FOS	0.00	
28.00	LST	FOS	0.00	
29.00	LST	FOS	0.00	
30.00	LST	FOS	0.00	
31.00	LST	FOS	0.00	
32.00	LST	FOS	0.08	
33.00	LST	FOS	0.04	
34.00	LST	FOS	0.12	Weathered Ca vein
35.00	LST	FOS	0.06	
36.00	LST	FOS	0.38	
37.00	LST	FOS	0.20	
38.00	LST	FOS	0.16	
39.00	LST	FOS	0.36	
40.00	LST	FOS	0.20	
41.00	LST	FOS	0.10	
42.00	LST	FOS	0.00	
43.00	LST	FOS	0.00	
44.00	LST	FOS	0.02	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	LST	FOS	0.00	
46.00	LST	FOS	0.00	
47.00	LST	FOS	0.00	
48.00	LST	FOS	0.08	
49.00	LST	FOS	0.00	
50.00	LST	FOS	0.06	
51.00	LST	FOS	0.04	
52.00	LST	FOS	0.04	
53.00	LST	FOS	0.00	
54.00	LST	FOS	0.00	
55.00	LST	FOS	0.00	
56.00	LST	FOS	0.00	
57.00	LST	FOS	0.00	
58.00	LST	FOS	0.04	
59.00	LST	FOS	0.00	
60.00	LST	FOS	0.00	
61.00	LST	FOS	0.06	
62.00	LST	FOS	0.02	
63.00	LST	FOS	0.10	
64.00	LST	FOS	0.00	
65.00	LST	FOS	0.02	
66.00	LST	FOS	0.00	
67.00	LST	FOS	0.00	
68.00	LST	FOS	0.00	
69.00	LST	FOS	0.00	
70.00	LST	BX	0.06	
71.00	LST	BX	0.12	
72.00	LST	BX	0.02	
73.00	LST	BX	0.06	
74.00	LST	BX	0.00	
75.00	LST	BX	0.02	
76.00	LST	BX	0.00	
77.00	LST	BX	0.02	
78.00	LST	BX	0.00	
79.00	LST	BX	0.04	
80.00	LST	BX	0.00	
81.00	LST	BX	0.00	
82.00	LST	MBL	0.02	
83.00	LST	MBL	0.01	
84.00	LST	MBL	0.00	
85.00	LST	MBL	0.00	
86.00	LST	MBL	0.02	
87.00	LST	MBL	0.01	
88.00	LST	MBL	0.00	
89.00	LST	MBL	0.00	
90.00	LST	MBL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	LST	MBL	0.06	
92.00	LST	MBL	0.06	
93.00	LST		0.14	
94.00	LST		0.10	
95.00	LST	MBL	0.00	
96.00	LST	MBL	0.00	
97.00	LST	MBL	0.18	
98.00	LST	MBL	0.02	
99.00	LST	MBL	0.00	
100.00	LST	MBL	0.26	
101.00	LST	MBL	0.00	
102.00	LST	MBL	0.00	
103.00	LST	MBL	0.02	
104.00	LST	MBL	0.08	
105.00	LST	MBL	0.20	
106.00	LST	MBL	0.00	
107.00	DOL	MX	0.59	
108.00	DOL	MX	1.64	
109.00	DOL	MX	0.55	
110.00	DOL	MX	14.30	
111.00	DOL	MX	0.20	
112.00	DOL	MX	0.26	
113.00	FLT		0.10	
114.00	FLT		0.55	
115.00	DOL	MX	2.25	
116.00	DOL	MX	0.20	
117.00	DOL	MX	0.98	
118.00	VN	MX	1.41	
119.00	VOL		0.16	
120.00	VOL		0.00	
121.00	VOL		0.30	
122.00	VOL		0.49	
123.00	VOL		0.26	
124.00	VOL		2.95	
125.00	VOL	AM	0.75	
126.00	VOL	AM	6.31	
127.00	VOL	AM	2.74	
128.00	VOL	AM	0.00	
129.00	VOL		6.53	
130.00	VOL		34.70	
131.00	VOL		16.10	
132.00	VOL		9.51	
133.00	VOL		10.50	
134.00	VOL		3.99	
135.00	LST	DOL	6.99	
136.00	LST	DOL	0.55	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	LST	DOL	0.00	
138.00	LST	DOL	0.00	
139.00	LST	DOL	0.32	
140.00	LST	DOL	0.24	
141.00	LST	DOL	5.86	
142.00	LST	DOL	3.23	
143.00	LST	DOL	5.04	
144.00	LST	DOL	0.10	
145.00	LST	DOL	0.06	
146.00	LST	DOL	0.82	
147.00	LST	DOL	30.90	
148.00	LST	DOL	0.00	
149.00	LST	DOL	0.00	
150.00	LST	DOL	0.00	
151.00	LST	DOL	0.02	
152.00	LST	DOL	0.00	
153.00	LST	DOL	0.00	
154.00	LST	DOL	1.66	
155.00	LST	DOL	0.00	
156.00	LST	DOL	0.00	
157.00	LST	DOL	0.00	
158.00	LST	DOL	0.00	
159.00	LST	DOL	0.00	
160.00	LST	DOL	0.00	
161.00	LST	DOL	0.08	
162.00	LST	DOL	0.00	
163.00	LST	DOL	0.00	
164.00	LST	DOL	0.02	
165.00	LST	DOL	0.00	
166.00	LST	DOL	0.04	
167.00	LST	DOL	0.02	
168.00	LST	DOL	0.04	
169.00	LST	DOL	0.04	
170.00	LST	DOL	0.06	
171.00	LST	DOL	0.04	
172.00	LST	DOL	0.02	
173.00	LST	DOL	0.14	
174.00	LST	DOL	0.00	
175.00	LST	DOL	0.00	
176.00	LST	DOL	0.10	
177.00	LST	DOL	0.02	
178.00	LST	DOL	0.00	
179.00	LST	DOL	0.06	
180.00	LST	DOL	0.04	
181.00	LST	DOL	0.02	
182.00	LST	DOL	0.04	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00	LST	DOL	0.04	
184.00	LST	DOL	0.00	
185.00	LST	DOL	0.02	
186.00	LST	DOL	0.02	
187.00	LST	DOL	0.04	
188.00	LST	DOL	0.00	
189.00	LST	DOL	0.00	
190.00	LST	DOL	0.00	
191.00	LST	DOL	0.00	
192.00	LST	DOL	0.02	
193.00	LST	DOL	0.06	
194.00	LST	DOL	0.02	
195.00	LST		0.08	
196.00	LST		0.08	
197.00	LST		0.00	
198.00	LST		0.02	
199.00	LST		0.00	
200.00	LST		0.00	
201.00	LST		0.02	
202.00	LST		0.00	
203.00	LST		0.06	
204.00	LST		0.00	
205.00	LST		0.04	
206.00	LST		0.02	
207.00	LST	DOL	0.08	
208.00	LST	DOL	0.00	
209.00	LST	DOL	0.00	
210.00	LST	DOL	0.00	
211.00	LST	DOL	0.10	
212.00	LST	DOL	0.59	
213.00	LST	DOL	0.00	
214.00	LST	DOL	0.08	
215.00	LST	DOL	0.04	
216.00	LST		0.18	
217.00	LST		0.04	
218.00	LST		0.00	
219.00	LST		0.06	
220.00	LST		0.00	
221.00	LST		0.06	
222.00	LST		0.45	

DENSITY LOG

HOLE: Rau-10-81

Depth (m)	Unit	Modifier	MINERALS				Comments	Length (cm)	Diameter (cm	Dry weight	Wet Weight	Density	Specific Gravity
			Py %	As %	Other	%							
9.52	LST	FOS					FO	15.2	4.2	580.7	369.5	2.81	2.75
46.00	LST	FOS	t					15.1	4.2	566.3	357.5	2.76	2.71
83.25	LST	MBL					sBX	15.3	4.2	593.5	380.3	2.86	2.78
111.00	DOL	MX	f	w			FO, Tiger Zone	15.0	4.2	930.1	722.6	4.56	4.48
116.00	DOL	MX	f	w			FO, Tiger Zone	14.7	4.2	756.0	552.1	3.79	3.71
118.00	MX	-	w		Po	f	Sphalerite(t)+Galena(t)+Sericite	14.6	4.2	874.4	672.2	4.41	4.32
125.70	VOL	-					AM	14.4	4.2	578.3	378.1	2.96	2.89
148.50	LST	DOL					sBX	14.5	4.2	570.4	368.5	2.90	2.83
173.63	LST	-						15.0	4.2	590.7	382.9	2.90	2.84
201.05	LST	-	t				mBX, 40% Ca	14.9	4.2	588.4	375.9	2.91	2.77
204.80	LST	-						15.0	4.2	589.4	301.8	2.89	2.05

BOX LOG

HOLE: Rau-10-81

BOX	FROM (m)	TO (m)
1	5.00	9.89
2	9.89	15.46
3	15.46	21.03
4	21.03	26.52
5	26.52	31.90
6	31.90	37.12
7	37.12	42.54
8	42.54	47.84
9	47.84	53.36
10	53.36	58.86
11	58.86	64.44
12	64.44	69.99
13	69.99	75.32
14	75.32	80.77
15	80.77	83.33
16	83.33	91.79
17	91.79	97.21
18	97.21	102.58
19	102.58	108.07
20	108.07	114.19
21	114.19	119.56
22	119.56	125.11
23	125.11	130.69
24	130.69	136.14
25	136.14	141.54
26	141.54	146.74
27	146.74	152.40
28	152.40	157.86
29	157.86	163.26
30	163.26	168.68
31	168.68	174.19
32	174.19	179.75
33	179.75	185.29
34	185.29	190.76
35	190.76	196.16
36	196.16	201.70
37	201.70	207.32
38	207.32	212.65
39	212.65	217.14
40	217.14	222.50
222.50 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
10+160NW	10+024NE	528404	7119181	1283	85.34

ZONE: Oxide

SECTION: 10+350NW

HOLE: **Rau-10-82**

CLAIM: Rau 98f

Contractor: Superior

Drill: 2

Core size: HQ

Casing depth: 13.72 m out

Drilling dates: June 19-21, 2010

Geology logged by: K. Wynne

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-60.0	compass	54.86	227	-61.3	ranger
0.00	228	-60.0	ranger	70.10	227	-61.9	ranger
24.38	228	-61.8	ranger	85.35	228	-61.9	ranger
39.62	227	-61.6	ranger				

TARGET: Oxide Zone

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
4.75	6.09	1.34	OVB	
6.09	9.95	3.86	LST	Medium grey, strongly oxidized.
9.95	56.43	46.48	DOL	Moderate strong OX.
56.43	76.95	20.52	LST	Strong OX.
76.95	85.34	8.39	MBL	White to pink with fair oxidation.
85.34	E.O.H.			

SAMPLES

Numbers: I075222-I075275

Total: 54

Batch: 21, 22

Date Sent: June 23, 2010

Certificate: VA10085427, VA10087262

COMMENTS

The hole was ended because it was past the targeted depth. It has been lined with PVC pipe for later use during a downhole gravity survey.

GEOLOGY LOG

HOLE: Rau-10-82

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							PHOTO
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	4.75	4.75				OVB			Overburden - no recovery																		
4.75	6.09	1.34				TIL			Medium brown clay to grit with short sections and pebbles of unaltered LST.																		
6.09	9.95	3.86				LST	OX		Medium grey strongly fizzing, LST, highly oxidized to rubble with siderite and oxidized Py.	FO	55					m	m										
			6.09	6.83	0.74	OX	LST		Dark red to black, rubbly and corroded core, fizzes strongly. Corroded areas appear to follow FO. Very poor recovery.	FO	55					ms	ms										
			6.83	9.14	2.31	LST	OX		Relatively unoxidized, MG, medium grey LST. Dark red-brown alteration occurs on fractures, along stringers and through corroded areas of core.							m	m										
			9.14	9.95	0.81	OX	RBL		Dark red-brown to purple-black rubbly oxide with cored fragments up to 8 cm long. Fizzes strongly with acid and contains purple-black sub-euhedral spots (oxidized pyrite?).							m	ms										
9.95	56.43	46.48				DOL	MX		MG sub to euhedral dolomite and ankerite with FG MG Py in thin bands defining FO and disseminated throughout. Intervals of intense oxidation occur interfingered throughout.							ms											
			9.95	12.25	2.30	DOL	OX		Medium grey and light orange with medium brown to dark red-black clay and rubble oxide. Fizzes weakly to moderately with acid. Rubble zones occur up to 10 cm thick. Oxidized Py visible in some rubbly areas.						f	m	f										
			12.25	15.62	3.37	OX	DOL	GRT	Very rubbly, oxidized, medium orange-brown DOL/ANK, with up to 20 cm of orange-grey solid core with weak disseminated Py. Patches and stringers fizz weakly with acid. 3/4 of interval is rubble to clay while the other quarter is strongly oxidized DOL.							i	f			w							
			15.62	17.80	2.18	DOL	OX		Broken, relatively unoxidized, light yellow to grey DOL or dolomitized LST with medium red-brown grit to clay along fractures and as <10 cm intervals. Core fizzes in patches. Oxidized and unoxidized Py.						m	m	w			t							
			17.80	20.61	2.81	OX	DOL	CLY	Mainly medium red-brown to dark purple-black clay to grit that doesn't fizz. 1/4 of interval is light yellow to orange DOL/ANK with weak Py mineralization along stringers, trace overall. Calcite occurs in thin veinlets and small patches.						m	i	ms			t							

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			20.61	23.20	2.59	OX	DOL		2/3 orange-brown and red-brown rubble to silt. 1/3 light yellow to light orange, non-calcareous DOL/ANK. Pyrite is fine grained and mainly oxidized.						m	i	w			t							
			23.20	25.34	2.14	DOL	OX		Solid, weakly oxidized, non-calcareous, light yellow to orange, DOL/ANK with FG brassy Py defining the FO and overprinted by CG Py.	FO	60				ms	w	t			m							
			25.34	26.20	0.86	OX	GRT		<4 cm lengths of orange-brown to dark red-brown angular rubble and grit with some semi-cohesive material that crumbles easily.							i	m										
			26.20	27.15	0.95	DOL	OX		Yellow grey to orange, non-calcareous, weakly oxidized core with unoxidized Py occurring in stringers that occur at various orientations throughout. In zones where the core is more strongly oxidized, CG brassy Py remains.						m	f	f			m							
			27.15	30.30	3.15	OX	DOL	RBL	Rubbly light orange to medium grey DOL (DOL LST??) fragments up to 12 cm long that are weakly to moderately oxidized and contain weakly to strongly oxidized FG to MG Py. This material is interfingered with highly oxidized medium orange-brown to red-brown grit to rubble, containing a high percentage of quartz rubble within. Weak cBX overprints the unit as grey irregularly cutting stringers.	cBX					s	ms												
			30.30	30.95	0.65	OX		GRT	Medium orange-brown oxidized clay to grit which holds core shape, but breaks easily.							i											
			30.95	31.80	0.85	DOL	OX	cBX	Light yellow to medium orange cBX DOL with FG-MG Py both disseminated and following seams.						w	f											
			31.80	34.50	2.70	DOL	OX		Weakly oxidized white to light yellow DOL with trace MG Py, Po, and As disseminated throughout. Fine grained red spots may be FG Sp. Up to 40 cm intervals of orange brown clay to grit, and large zones of orange brown to dark purple oxidized rubble occur within.						w	ms	w			t	t	t	Sp	t			
									Oxide clay zone with quartz rich rubble and a ~2 cm thick quartz vein at approximately 25 degrees.	VN	25																
			39.62	45.72	6.10	OX	DOL	GRT	Medium orange-brown to dark brown, clay and grit, with dark brown spots (oxidized Py) . Sections of light yellow to grey, weakly oxidized cBX DOL/ANK with trace disseminated Py.						w	s	t			t							
			45.72	48.77	3.05	OX	CLY		Dark brown with medium orange-brown clay to rubble oxide zones with most of the interval holding core shape.							i											

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			48.77	56.43	7.66	OX	CLY		Oxidized clay to rubble. First 90 cm are medium brown, grading into medium orange-brown with dark brown-yellow colouration of the surface of the core. A small amount of Qz rubble fragments occur throughout. Weak to moderately altered orange-grey DOL/ANK, dark brown spotty pits resulting from the oxidation of Py. Trace unoxidized Py also occurs throughout.						ms	s	ms			t							
56.43	76.95	20.52				LST	OX	cBX	Light orange and dark grey cBX, with dark grey stringers in high density. Clasts are light orange, some with grey centres which fizz; contact between the two is blurred (Ca altering to DOL/AK). Grades into unbrecciated light orange interval bellow. Oxidized section is dark brown, rubbly, fizzes.					m	m	m				w							x
			59.49	64.25	4.76	DOL	OX		Light orange-grey, ANK/DOL that is calcareous in patches and has a FO defined by light brown seams. Oxidized zones are medium to dark browns clay to rubble, with some Qz rubble.	FO	55				ms	s											
			64.25	65.56	1.31	OX	SLT		Chocolate brown, strongly calcareous clay to grit.							i											
			65.56	66.90	1.34	OX	LST		Dark brown, silt to sand sized calcareous interval with fragments up to 20 cm long and irregular thin Ca veinlets. The last 10 cm contains a breccia of light grey-brown subrounded clasts up to 3 cm in diameter in Ca vein matrix with trace Py.							s			t							x
			66.90	73.90	7.00	LST	cBX		Medium grey LST with medium brown crackle seams, altered to medium to dark brown rubble. FO is defined by dark grey stringers and lighter grey layers. Calcareous throughout.	FO	55					ms											
									Ca veinlets up to 2 cm thick with common orientation.	VT	70	270															
			73.90	76.95	3.05	OX	LST		Medium orange-brown to dark brown, calcareous clay to rubble with up to 15 cm long limestone fragments.							s											
76.95	85.34	8.39				MBL	OX		White to light pink FG-MG marble with dark grey stringers defining the FO and forming an irregular zone ~7 cm thick with calcite blebs inside (strained original bedding?). Patches of yellow-white talc occur within. Interval grades from white to pink, to orange-brown fairly OX, and back to white.							w											
									Ca veinlets with OX rims and trace Py.	VN	40								t								
									85.34 m E.O.H. - The hole was ended because it was into the marble and therefore past the targeted depth.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-82

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
6.09	7.62	1.53	LST		1.03	67	I075222	21	0.60	1.67	2660	108.00	
7.62	9.14	1.52	LST		1.21	80	I075223	21	1.60	0.09	5030	216.00	
9.14	10.67	1.53	DOL	OX	1.36	89	I075224	21	2.47	0.09	18250	170.00	
10.67	12.19	1.52	DOL	OX	0.90	59	I075225	21	4.38	0.16	8120	236.00	
12.19	13.72	1.53	DOL	OX	1.18	77	I075226	21	1.58	0.07	22000	141.00	
13.72	15.24	1.52	DOL	OX	1.15	76	I075228	21	0.75	0.08	10050	91.20	
15.24	16.76	1.52	DOL	OX	1.00	66	I075229	21	4.29	0.17	5660	149.00	
16.76	18.29	1.53	DOL	OX	1.06	69	I075230	21	2.47	0.19	4440	181.50	
18.29	19.81	1.52	DOL	OX	0.90	59	I075231	21	1.03	0.15	16900	194.50	
19.81	21.34	1.53	DOL	OX	1.32	86	I075232	21	4.33	0.13	2770	604.00	
21.34	22.86	1.52	DOL	OX	1.20	79	I075234	21	1.14	0.11	3220	294.00	
22.86	24.38	1.52	DOL	OX	1.41	93	I075235	21	1.93	0.09	16350	250.00	
24.38	25.91	1.53	DOL	OX	1.40	92	I075236	21	1.45	0.15	27700	285.00	
25.91	27.43	1.52	DOL	OX	1.37	90	I075238	21	3.05	0.19	45000	349.00	
27.43	28.96	1.53	DOL	OX	0.85	56	I075239	21	0.10	0.34	9340	6.07	
28.96	30.48	1.52	DOL	OX	0.69	45	I075240	21	0.13	0.73	1700	5.18	
30.48	32.00	1.52	DOL	OX	1.23	81	I075241	21	0.72	0.08	9230	231.00	
32.00	33.53	1.53	DOL	OX	1.48	97	I075243	21	0.14	0.12	6630	30.00	
33.53	35.05	1.52	DOL	OX	1.33	88	I075244	21	0.07	0.09	2750	51.50	
35.05	36.58	1.53	DOL	OX	1.36	89	I075246	21	0.24	0.14	4670	157.50	
36.58	38.10	1.52	DOL	OX	1.32	87	I075247	21	0.15	0.19	1140	286.00	
38.10	39.62	1.52	DOL	OX	1.28	84	I075248	21	0.04	0.11	892	194.00	
39.62	41.15	1.53	DOL	OX	1.24	81	I075249	21	1.99	0.54	5210	268.00	
41.15	42.67	1.52	DOL	OX	1.25	82	I075250	21	1.42	1.11	6070	129.50	
42.67	44.20	1.53	DOL	OX	0.43	28	I075251	21	0.38	7.56	5380	498.00	
44.20	47.24	3.04	DOL	OX	0.91	30	I075252	21	0.48	4.41	4880	551.00	
47.24	48.77	1.53	DOL	OX	1.15	75	I075253	21	0.46	0.48	7560	139.50	
48.77	50.29	1.52	DOL	OX	1.43	94	I075254	21	0.08	0.66	3540	49.40	
50.29	51.12	0.83	DOL	OX	0.83	100	I075255	21	0.13	0.31	1720	60.00	
51.12	53.34	2.22	DOL	OX	0.89	40	I075256	21	1.07	0.55	2850	147.00	
53.34	54.86	1.52	DOL	OX	1.02	67	I075258	22	0.09	0.33	930	39.20	
54.86	56.39	1.53	DOL	OX	1.35	88	I075259	22	0.14	1.06	1520	61.40	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
56.39	57.91	1.52	LST	OX	0.91	60	I075260	22	0.03	0.13	393	8.44	
57.91	59.44	1.53	LST	OX	0.97	63	I075261	22	0.03	0.12	245	2.93	
59.44	60.96	1.52	LST	OX	0.54	36	I075262	22	0.02	0.10	408	0.54	
60.96	62.48	1.52	LST	OX	1.09	72	I075263	22	0.08	2.05	1680	17.15	
62.48	64.01	1.53	LST	OX	1.16	76	I075264	22	0.12	3.64	2540	121.00	
64.01	65.53	1.52	LST	OX	1.41	93	I075265	22	0.47	4.02	3860	228.00	
65.53	67.06	1.53	LST	OX	0.66	43	I075267	22	0.06	1.45	902	125.50	
67.06	70.10	3.04	LST	OX	1.90	63	I075268	22	0.04	0.64	497	11.20	
70.10	73.15	3.05	LST	OX	1.70	56	I075269	22	0.02	0.16	241	1.74	
73.15	74.68	1.53	LST	OX	0.84	55	I075270	22	0.04	0.52	366	2.50	
74.68	76.95	2.27	LST	OX	1.19	52	I075271	22	0.22	2.47	2230	25.60	
76.95	79.25	2.30	MBL		2.18	95	I075272	22	0.01	0.05	30	0.24	
79.25	82.30	3.05	MBL		2.91	95	I075273	22	<0.01	0.04	48	27.70	
82.30	85.34	3.04	MBL		2.95	97	I075275	22	0.02	0.10	161	37.40	
-	-	-	-	-	-	-	I075227	21	8.33	21.20	47	1.35	STANDARD ROS-3
-	-	-	-	-	-	-	I075233	21	0.02	<0.01	55	1.92	BLANK (HQ)
-	-	-	-	-	-	-	I075237	21	3.86	0.16	62400	224.00	STANDARD RSS-7
30.48	32.00	1.52	DOL	OX	1.23	81	I075242	21	0.47	0.10	11550	44.00	DUPLICATE
-	-	-	-	-	-	-	I075245	21	<0.01	0.01	16	0.17	BLANK (HQ)
-	-	-	-	-	-	-	I075257	22	1.37	0.61	77	1.31	STANDARD ROS-2
-	-	-	-	-	-	-	I075266	22	<0.01	0.02	20	0.89	BLANK (HQ)
79.25	82.30	3.05	MBL		2.91	95	I075274	22	0.01	0.04	46	30.40	DUPLICATE

GEOTECHNICAL LOG

HOLE: Rau-10-82

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour
4.57	7.62	3.05	1.95	64	1	26	W	HW	
7.62	9.14	1.52	1.25	82	0.61	40	W	MW	
9.14	10.67	1.53	1.31	86	0.11	7	EW	EW	2.5YR4/4
10.67	12.19	1.52	1.05	69	0.00	0	EW	EW	2.5YR4/4
12.19	13.72	1.53	1.17	76	0.11	7	EW	EW	2.5YR4/4
13.72	15.24	1.52	1.18	78	0.10	7	EW	EW	2.5YR4/4
15.24	16.76	1.52	1.02	67	0.00	0	EW	EW	2.5YR4/4
16.76	18.29	1.53	1.05	69	0.13	8	EW	EW	2.5YR4/4
18.29	19.81	1.52	0.86	57	0.19	13	EW	EW	2.5YR4/4
19.81	21.34	1.53	1.13	74	0.10	7	EW	EW	2.5YR4/4
21.34	22.86	1.52	1.30	86	0.12	8	EW	EW	2.5YR4/4
22.86	24.38	1.52	1.37	90	1.06	70	W	MW	
24.38	25.91	1.53	1.46	95	0.87	57	W	HW	5YR4/3
25.91	27.43	1.52	1.26	83	0.57	38	W	HW	5YR4/3
27.43	28.96	1.53	0.85	56	0.10	7	EW	EW	5YR4/3
28.96	30.48	1.52	0.69	45	0.14	9	EW	EW	2.5YR4/6
30.48	32.00	1.52	1.23	81	0.52	34	VW	HW	2.5YR4/6
32.00	33.53	1.53	1.48	97	0.20	13	VW	HW	2.5YR4/6
33.53	35.05	1.52	1.33	88	0.00	0	VW	HW	5YR5/6
35.05	36.58	1.53	1.36	89	0.21	14	VW	HW	5YR5/6
36.58	38.10	1.52	1.32	87	0.51	34	VW	HW	5YR5/6
38.10	39.62	1.52	1.28	84	0.68	45	VW	HW	5YR5/6
39.62	41.15	1.53	1.24	81	0.00	0	VW	HW	5YR5/6
41.15	42.67	1.52	1.25	82	0.45	30	EW	HW	5YR5/6
42.67	44.20	1.53	0.43	28	0.00	0	EW	EW	5YR4/4
44.20	45.72	1.52	0.09	6	0.00	0	EW	EW	5YR4/4
45.72	47.24	1.52	0.82	54	0.00	0	EW	EW	5YR4/4
47.24	48.77	1.53	1.15	75	0.00	0	EW	EW	5YR3/4
48.77	50.29	1.52	1.43	94	0.47	31	EW	EW	2.5YR4/3
50.29	51.12	0.83	0.83	100	0.31	37	EW	EW	2.5YR4/3
51.12	53.34	2.22	0.89	40	0.00	0	EW	EW	2.5YR4/3
53.34	54.86	1.52	1.02	67	0.26	17	EW	EW	2.5YR4/3
54.86	56.39	1.53	1.35	88	0.25	16	VW	EW	2.5YR4/3
56.39	57.91	1.52	0.91	60	0.63	41	W	HW	
57.91	59.44	1.53	0.97	63	0.52	34	MS	HW	
59.44	60.96	1.52	0.54	36	0.00	0	W	HW	
60.96	62.48	1.52	1.09	72	0.17	11	VW	HW	2.5YR4/3
62.48	64.01	1.53	1.16	76	0.00	0	EW	EW	5YR4/3
64.01	65.53	1.52	1.41	93	0.00	0	EW	EW	5YR4/3
65.53	67.06	1.53	0.66	43	0.00	0	EW	EW	5YR4/3
67.06	68.58	1.52	0.92	61	0.23	15	MS	HW	5YR4/3
68.58	70.10	1.52	0.98	64	0.46	30	W	HW	
70.10	71.63	1.53	0.49	32	0.32	21	MS	HW	
71.63	73.15	1.52	1.21	80	0.82	54	MS	HW	
73.15	74.68	1.53	0.84	55	0.25	16	W	HW	
74.68	76.20	1.52	0.73	48	0.52	34	W	HW	
76.20	77.72	1.52	1.15	76	0.91	60	MS	HW	5YR5/4
77.72	79.25	1.53	1.52	99	1.30	85	MS	FR	
79.25	80.77	1.52	1.43	94	1.12	74	MS	FR	
80.77	82.30	1.53	1.48	97	0.84	55	MS	SW	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour
82.30	83.82	1.52	1.50	99	0.95	63	MS	SW	
83.82	85.34	1.52	1.45	95	1.22	80	MS	SW	
85.34	E.O.H.								

GEOTECHNICAL LOG

Comments

GEOTECHNICAL LOG

Comments

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-82

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	OVB		NA	
2.00	OVB		NA	
3.00	OVB		NA	
4.00	OVB		NA	
5.00	TIL		6.88	
6.00	TIL		0.01	
7.00	LST	OX	0.31	
8.00	LST	OX	0.20	
9.00	LST	OX	0.21	
10.00	DOL	OX	0.18	
11.00	DOL	OX	0.00	
12.00	DOL	OX	0.00	
13.00	OX	DOL	0.35	
14.00	OX	DOL	0.00	
15.00	OX	DOL	0.16	
16.00	DOL	OX	0.47	
17.00	DOL	OX	0.11	
18.00	OX	DOL	0.00	
19.00	OX	DOL	0.06	
20.00	OX	DOL	0.31	
21.00	OX	DOL	0.25	
22.00	OX	DOL	0.99	
23.00	OX	DOL	0.00	
24.00	DOL	OX	0.42	
25.00	DOL	OX	0.16	
26.00	OX	GRT	0.35	
27.00	OX	DOL	0.23	
28.00	OX	DOL	0.00	
29.00	OX	DOL	0.00	
30.00	OX	DOL	0.13	
31.00	DOL	OX	0.00	
32.00	DOL	OX	0.45	
33.00	DOL	OX	0.00	
34.00	DOL	OX	0.05	
35.00	DOL	OX	0.00	
36.00	DOL	OX	0.00	
37.00	DOL	OX	0.00	
38.00	DOL	OX	0.00	
39.00	DOL	OX	0.00	
40.00	OX	DOL	0.10	
41.00	OX	DOL	0.36	
42.00	OX	DOL	0.15	
43.00	OX	DOL	0.23	
44.00	OX	DOL	0.13	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	OX	DOL	0.00	
46.00	OX	CLY	0.06	
47.00	OX	CLY	0.15	
48.00	OX	CLY	0.00	
49.00	OX	CLY	0.16	
50.00	OX	CLY	0.10	
51.00	OX	CLY	0.00	
52.00	OX	CLY	0.00	
53.00	OX	CLY	0.18	
54.00	OX	CLY	0.00	
55.00	OX	CLY	0.01	
56.00	OX	CLY	0.00	
57.00	LST	OX	0.00	
58.00	LST	OX	0.00	
59.00	LST	OX	0.00	
60.00	DOL	OX	0.00	
61.00	DOL	OX	0.00	
62.00	DOL	OX	0.00	
63.00	DOL	OX	0.00	
64.00	DOL	OX	0.10	
65.00	OX	SLT	0.99	
66.00	OX	LST	0.00	
67.00	LST	cBX	0.00	
68.00	LST	cBX	0.00	
69.00	LST	cBX	0.16	
70.00	LST	cBX	0.10	
71.00	LST	cBX	0.00	
72.00	LST	cBX	0.00	
73.00	LST	cBX	0.00	
74.00	OX	LST	0.00	
75.00	OX	LST	0.00	
76.00	OX	LST	0.18	
77.00	MBL	OX	0.00	
78.00	MBL	OX	0.00	
79.00	MBL	OX	0.00	
80.00	MBL	OX	0.13	
81.00	MBL	OX	0.00	
82.00	MBL	OX	0.45	
83.00	MBL	OX	0.03	
84.00	MBL	OX	0.14	
85.00	MBL	OX	0.00	

HOLE: Rau-10-82

Box #	Diameter (cm)	From (m)	To (m)	Unit	Modifier	Recovery	Weight	Density
11	6.1	44.20	49.63	OX	DOL	2.73	56.0	3.22
12	6.1	49.63	53.69	OX	DOL	2.80	56.0	3.14
13	6.1	53.69	57.91	OX	DOL	2.90	61.0	3.30
14	6.1	57.91	62.90	DOL	OX	2.82	72.0	4.00
15	6.1	62.90	67.29	OX	DOL	3.35	61.0	2.86
16	6.1	67.29	73.15	LST	OX	3.43	67.0	3.06
17	6.1	73.15	78.69	MBL	OX	3.75	72.0	3.01
18	6.1	78.69	82.30	MBL		3.49	71.0	3.19

Comments
OX with 10% DOL
OX with 40% DOL
70% DOL
35% DOL
weakly OX LST
35%

BOX LOG

HOLE: Rau-10-82

BOX	FROM (m)	TO (m)
1	4.57	9.14
2	9.14	12.87
3	12.87	16.76
4	16.76	20.61
5	20.61	24.51
6	24.51	28.12
7	28.12	32.95
8	32.95	36.38
9	36.38	39.88
10	39.88	44.20
11	44.20	49.63
12	49.63	53.69
13	53.69	57.91
14	57.91	62.90
15	62.90	67.29
16	67.29	73.15
17	73.15	78.69
18	78.69	82.30
19	82.30	85.34
85.34 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
09+800NW	10+117NE	528709	7118969	1355	343.20

ZONE: East

SECTION: 09+800NW

HOLE: **RAU-10-83**

CLAIM: Rau-56

Contractor: Superior

Drill: 1

Core size: BTW

Casing depth: 9.14 m out

Drilling dates: June 20-23, 2010

Geology logged by: K. Unger

TARGET: Upper Tiger Zone and Lower East Zone

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-75.0	compass	175.26	238	-73.5	ranger
0.00	228	-75.0	ranger	236.22	243	-73.5	ranger
68.58	228	-73.9	ranger	297.18	244	-73.0	ranger
114.30	234	-73.4	ranger	342.90	248	-72.3	ranger

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
1.52	107.44	105.92	LST	FOS, BX, MBL
107.44	109.66	2.22	LST	Marblized
109.66	116.89	7.23	DOL	Mineralized Upper Tiger Zone
116.89	118.42	1.53	MBL	With marbleized LST
118.42	134.26	15.84	VOL	Amygdaloidal and variably magnetic
134.26	270.36	136.10	LST	Dolomitized
270.36	282.46	12.10	VOL	Sericite altered
282.46	343.20	60.74	LST	Dolomitized
343.20	E.O.H.			

SAMPLES

Numbers: I075276-I075298, I075365-I075402

Total: 61

Batch: 22, 23, 25, 26

Date Sent: June 24, 25, 27, 28

Certificate: VA10087262. VA10087261, VA10087226

VA10089855

COMMENTS

The hole was ended because it had not reached any significant mineralization and was around its targeted depth.

GEOLOGY LOG

HOLE: RAU-10-83

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	Photo
0.00	1.52	1.52				OVB			Brown, earthy soil overburden with organics and OX LST rubble.																		
1.52	107.44	105.92				LST	FOS		Dark to light grey, MG-FG LST with interbeds of variably strained fossiliferous LST becoming a crinoid fragment wackstone where most strongly fossiliferous. Fossils present are crinoids (most prevalent), tabulate (honeycomb) corals and rugose coral fragments (least prevalent). Rock is variably strained throughout, becoming more intense with depth, deforming to obscuring fossils. Rock takes a banded appearance where strain is strongest. Fizze strongly with 10% HCl throughout except where tabulate coral fragment fossil chambers appear silicified.						t	t				t							x
									Strong foliation represented by banding at 10-30 degrees TCA.	FO	20																	
			12.19	16.23	4.04	LST		BX	Medium to light grey, variably strained cBX to mBX in texture, fossiliferous LST. Black cBX matrix is overprinted by white mBX (veinlets?) matrix. White mBX matrix is composed of coarse grained Ca-Ak-Qz and is preferentially oriented at 10-30 degrees TCA.							t												
									Foliation is variable from none to moderately strong. Where present, FO angle varies from 10 to 30 degrees TCA where strain fabric defines FO.	FO	20																	
									4 CG, Ca-Ak-Qz veinlets, angularly fracture host rock at 10-20 degrees TCA and oriented ~180 degrees to FO. TFO attitude difficult to obtain with no clear FO present near veinlets. Vein appears white to creamy orange in colour.	VN	15	180	1																
			16.23	49.74	33.51	LST	FOS	BN	Medium to dark grey, MG, banded, fossiliferous LST exhibiting variable strain throughout and dark interbeds of FG LST or siltstone (relict bedding?). Weak to strong strain deforms crinoid and coral fragments obliterating tabular coral textures where strongest. Weak shearing of mud-siltstone interbeds occurs where strain is strongest. Py is present near centre of a deformed tabular coral fragment as a brassy yellow, FG bleb.											t							x
									Foliation is variable, with angle TCA swallowing with increasing strain. Orientation of FO is 0 to 45 degrees TCA and is defined by banding and the orientation of elongation in deformed fossils.	FO	25																	

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			49.74	71.61	21.87	LST	MBL		Medium to dark grey, variably strained, moderate-strong marbleized LST, with relict fossils deformed to obliterated by strain and marbleization. Rock fabric alternates from near planar bands to sheared and clastic-flow-like, and exhibits a sucrosic, fuzzy recrystalization texture throughout. Where MBL alt is strongest, dark dissolution style bands occur as narrow, sinuous near stylolitic in texture. Py is present as FG disseminations of bright yellow FG crystals in clastic fabrics overprinting dark clasts. Weak OX alteration occurs throughout, but is strongest near a blocky rubbly area (fault?).							w		MBL	ms	t								
			51.80	52.60	0.80				Light to dark grey, blocky to rubbly, fractured/faulted angular blocks to subrounded limestone rubble with brown to brown-red toothy MG carbonate crystals growing the on fracture faces. The crystals fizz in acid (Fe-calcite?) Siderite alteration?	FT					m										
									Foliation is variable throughout, where strong FO is generally oriented 25 degrees TCA. Where MBL is strongest it is 40 degrees TCA and it is 5-10 degrees TCA and wavy where the strain is most intense. FO is defined by banding or strain fabric.	FO	25														
			71.61	101.59	29.98	LST	FOS	BX	Dark to medium grey, variably BX, strained FG LST interbedded with MG-CG fossiliferous LST exhibiting moderate MBL alt with depth. The LST contains 0-3% fossils up to ~30-50% (crinoid packstone) where most fossiliferous. Breccia clasts are rounded (soft sediment deformation?) and strained. Dissolution bands increase in concentration with depth and deform around tabular coral fragments. Py is trace, present as FG, wispy bright yellow bands in deformed/sheared dark LST and also overprints Ca "augens".									MBL	f	t								

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			101.59	107.44	5.85	LST	MBL	BX	Light to medium grey, MG, variably BX, weak to moderately marbleized, variably brecciated, fossiliferous LST exhibiting strain and dissolution textures throughout, especially around tabular coral fragments. Tabular coral is present as large, (up to 12 cm) mounds with a "honeycomb" texture. Total concentration is approx 3-5%. Breccia matrix and clasts exhibit strain throughout. Dissolution/marble banding defines the weak FO. A fuzzy, sucrosic recrystalization texture occurs throughout. uCn gradational over 15 cm, lCN gradational over 10 cm.	CN								MBL	m									
107.44	109.66	2.22				LST	MBL	BN	Light grey, MG, sucrosic, intensely MBL LST with dark bands defining the FO. The LST transitions to a more white to white-brown colour with depth. Occasional brown bands pass through the white MBL (dirty silty interlayer?). lCN is quite sharp.									MBL	I									
									Strong foliation is defined by banding at 45 degrees TCA	FO	45																	
									1.1 cm wide CG Ca veinlet cuts the white-brown marble, at 20 degrees TCA, 0 degrees to FO.	VN	20	0	0.5															
109.66	116.89	7.23				DOL	MX		White to medium grey, MG to CG dolomite with FG bands and masses of grey-yellow Py and coarse grained As throughout. Occasional darker, FG calcareous bands occur (silt-mud interbeds?). Py also forms coarse crystals up to 1.2 cm in diameter. As occurs as up to 1.6 cm euhedral crystals, silvery grey in colour with a metallic lustre. Trace TLC alteration of dolomite to creamy green soft, fibrous patches up to 4 cm in size. Unit has typical "Tiger Zone" appearance.								TLC	t	i	s	t					x
									Defined by Py banding, 50-60 degrees TCA	FO	55																	
									2.0 cm Py-Po-Tr-Ca veinlet, cuts the dolomite at 50 degrees TCA. The MG anhedral Py with Po is replacing Py(?) that occurs alongside a green, hard (H~5-6) fibrous mineral (actinolite? tremolite?). Single veinlet of this composition occurs.	VN	50	180															

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
116.89	118.42	1.53				MBL		BN	Light grey to white with increasing dark banding with depth, trace sericite alteration in interlayer within marble unit. Generally sucrosic in texture, contact with unit below gradational, over 16 cm.									SER	t								
									Strong FO defined by banding, 55 degrees TCA	FO	55																
118.42	118.42	0.00				LST	MBL	CG	Medium to dark grey, CG, strongly marbleized LST. Py is present as FG blebs to wispy bands. Ca stringers roughly follow FO.									MBL	s	t							
									ICN with volcaniclastic unit is yellow-green in colour, 6 cm thick, soft, and sericite altered.	ICN								SER	m								
									Weak FO, 50 degrees TCA, defined by weak banding (bedding?).	FO	50																
118.42	134.26	15.84				VOL		AM	Green to olive-brown, variably amygdaloidal, variabl magnetic, variably calcareous FG VOL. Rock becomes intensely SER altered with depth approaching lower unit, with biotite rimming sericite masses with large Qz-Dol blebs above lower contact.									SER	m	t							
																		BIO	w								
			119.00	121.68	2.68	VOL	AM	FG	Dark green, intensely chloritic, amygdaloidal VOL hosting Ca veinlets. Amygdules are filled with calcareous material and are on average 6 mm in diameter, but rarely range up to up to 4 cm amorphous blebs in size.									CHL	i								
									FO defined by bands and amygdule orientations, 50 degrees TCA.	FO	50																
									Narrow Ca veinlets, 2-9 mm in width, 50 degrees TCA, 0 degrees to foliation. Ca becoming coarser grained with increasing veinlet width.	VN	50	0	5														
			121.68	123.42	1.74	VOL		FG	Dark green, intensely chloritic FG VOL, lacking large amygdules as above. Rock is magnetic throughout.									CHL	i								
									Weakly defined by <mm strained "small amygdules", oriented 50 degrees TCA	FO	50																
									Narrow Ca veinlets, 2-4 mm wide, 50 degrees TCA, 0 degrees to foliation.	VN	50	0															
									1 mm wide ca veinlets, lacking a cross-cutting relationship with veinlets above. Orientation is 30 degrees TCA, 180 degrees to FO.	VN	30	180															
			123.42	127.27	3.85	VOL	AM		Dark green, intensely chloritic, variably SER altered, amygdaloidal volcaniclastic with a few intensely sericitized bands up to 21 cm wide, associated with creamy, deformed Qz-Dol/Ak veinlets. Amygdules are infilled with calcite and weakly share a common orientation.						t			Cl	i								

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
																		SER	m								
									Weak FO defined by amygdule orientations, 45 degrees TCA.	FO	45																
									Creamy, sinuous to strings of blebs, Qz-Ak veinlets with intense SER alteration. Veinlet selvages up to 21 cm wide, parallel to FO.	VN	40	0	2														
									Irregular, Ca veinlets, ~6 mm wide, 30 degrees TCA, 290 degrees FO.	VN	30	290	1														
									Narrow 1 mm Ca veinlets, parallel to FO	VN	40	0	4														
			127.27	131.61	4.34	VOL		FG	Dark green, intensely chloritic, variably magnetic VOL lacking amygdules as above. Magnetism generally decreases with depth. Moderate SER alteration near creamy yellow Qz-Ak(Dol?) veinlet. Contact with above and below units gradational.					w				SER	m									
									Weak FO at 45 degrees TCA.	FO	45																
									Ca veinlets, parallel to FO, <1 mm to 3 mm wide, 35-50 degrees TCA, 0 degrees to FO.	VN	45	0	8														
			131.61	134.68	3.07	VOL		MO	Brown, amygdaloidal to mottled, intensely SER and BIO altered, variably magnetic VOL. Amygdules becoming large blobs of Qz-Dol, VOL exhibiting intense SER alteration with biotite rimming to replacing sericite-chlorite volcanics. Py present as FG, overprinting biotite rims and bands with a later magnetic Po overprinting the FG Py. lCN is sharp.	lCN				m				SER	i	t		t						
																		Bi	s								
134.26	270.36	136.10				LST	DOL	BX	White to medium grey, variably BX, intensely dolomitized LST that is variably strained throughout. Brecciation varies from cBX to sBX in texture. Crackle breccia varies from random cracks to a more stylolitic texture where the strain is more intense.					i														

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			138.79	147.76	8.97				From 138.79 to 147.76 m, massive pyrrhotite veins and veinlets, hosted in bleached and strongly talc altered dolomite. Po is present as wide masses up to 50 cm wide, >90% locally, to wispy bands and blebs. Py is present following Po, with bright, brassy yellow CG euhedral crystals up to 3 cm in size replacing Po. Talc alteration is associated with intense Py and spreads up to 20 cm away from it. Relict breccia texture exhibits stronger talc-alteration in breccia matrix than in clasts. Trace chlorite present. Trace bismuthanite present as coarse grained, tabular crystals, associated with Po and talc.	VN												w		i	Bs	t			
			148.04	151.75	3.71	LST	DOL	BX	White to dark grey, intensely DOL, variably strained and brecciated LST. Relict sBX is overprinted by cBX texture. The brecciation becomes finer, more random with depth.					i		w											
									Weak foliation, defined by strain in breccia, oriented 50 degrees TCA.	FO	50																
			151.75	153.29	1.54	LST	DOL		Medium grey, intensely DOL ALT LST with dark grey rectangular cBX matrix texture with narrow dark bands becoming near stylolitic in appearance. Trace OX alteration occurs on fracture faces.					i		t											
			155.23	197.79	42.56	LST	DOL	BX	White to dark grey intensely DOL LST with strong sBX texture. The unit is variably strained throughout, hosting trace FG Py disseminations within dark matrix and clast material. Generally the matrix is composed of white, FG to CG dolomite (dolomitized calcite?). Clasts are typically dark grey, sometimes weakly calcareous and exhibit a weak strain fabric as they preferentially elongate and fracture along common orientation.					i				SIL	t	t								
									Weak foliation defined by strain fabric and breccia clast orientation, 50 degrees TCA where present. FO absent in some areas of rock.	FO	50																
									Qz-Py veinlet, 50 degrees TCA, bright CG Py with CG Qz, talc and chlorite present on vein boundaries. Dolomitized LST appears bleached and fairly silicified up to 12 cm from veinlet margin.	VN	80							SIL	f	s								

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			197.79	204.95	7.16	LST	DOL	FG	Dark grey, fine grained, strongly dolomitized LST, generally lacking brecciation and only weakly calcareous. A relict BX/clastic flow texture can be seen throughout and is often deformed by the strain fabric. Trace Py is present as fine grained disseminations/overprints.					s						t							
									FO is oriented 50 degrees TCA and defined by strain fabric and breccia clast orientation.	FO	50																
									Narrow DOL-Ca veinlets, 1-4 mm wide, parallel the foliation.	VN	50	0	3														
									1.9 cm wide, white, translucent Qz, oriented 55 degrees TCA, 210 degrees to FO, crosscut the DOL Ca veinlets mentioned above.	VN	55	210															
			208.45	210.22	1.77	LST	DOL	MO	Dark to medium grey, strongly dolomitized, fine grained, camo mottled limestone that reacts weakly to acid. Small Dol-Ca (dolomitized Ca?) stringers occur throughout, generally lacking a preferential orientation. Some of the stringers parallel the elongate "camo" mottled dissolution patches.					s														
									Weak FO, defined by an orientation of mottled patches at 30 degrees TCA.	FO	30																
									Sinuous, <1 mm to 2 mm wide Dol-Ca veinlets.	VN	30																
			220.83	221.34	0.51	LST	DOL	BX	White to dark grey, variably brecciated intensely dolomitized LST. Py is present as FG ~1 mm "shotgun" masses, small crystals to blebs overprinting dark BX clasts and along BX clast margins. The LST is moderately altered with a red staining (possibly Hem?) both on fractures and local pervasive patches.					i		f				ms								
									Moderate foliation, defined by breccia clast elongation and orientation at 25 degrees TCA.	FO	25																
			221.05	221.15	0.10				Moderate-strong locally pervasive OX alteration o rock.							ms											

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	Photo
			228.84	235.33	6.49	LST	DOL	FG	Dark grey, FG, strongly dolomitized LST exhibiting relict(?) clastic/breccia textures. Rock is weakly calcareous. A variably strong strain fabric is exhibited throughout. Weak OX alteration present, red-maroon staining on fracture surfaces (hematite?). Ca-Dol stringers without orientation throughout, ~1 mm wide. Calcareous "augens" present in sheared, dark grey, FG "lime mudstone" interbed exhibiting slightly curved pressure shadows at 233.75 m. Rock exhibits an intermittent mottled texture throughout. Trace halycites chain coral fossil fragments are present at 232.79 m.					s		w												x
									Foliation is defined by relict bedding(?) and strain orientation at 45 degrees TCA.	FO	45																
			237.81	259.60	21.79	LST	DOL	FG	Medium to dark grey, variably brecciated and strained, strongly dolomitized limestone exhibiting dark fine grained interbeds of "lime mudstone" and clastic "debris-flow" like rock, variably strained throughout. FG interbeds occasionally appearing mottled "camo" in texture. Brecciation is generally weak, being obscured to deformed by strain. Severa Qz blebs to sinuous stringers hosted in clastic looking interbeds. Rock becoming increasingly calcareous with depth.					s														x
									FO defined by relict bedding and strain orientation, most strong in FG rock, oriented 45 degrees TCA.	FO	45																
			259.60	270.36	10.76	LST	MBL	BN	Dark grey-green to green-brown to white, banded, intensely marbleized LST with SER and CHL altered interbeds throughout. ICN is gradational, wide marbleized bands of LST becoming narrower and less frequent with depth (MBL alt of LST increases with depth). As MBL increases and LST/MBL band width and frequency decrease, VOL interbeds become thicker and more strongly chloritic approaching VOL. SER and BIO alteration preferential to narrow VOL bands up hole. SER altered blebs with BIO rims/overprints @ 260.20 m. Volcaniclastic interbeds are weakly magnetic.								MBL	i	t							x
																		SER	s								
																		CHL	s								
									Foliation is strong, defined by banded layers and occurs at 30 degrees TCA.	FO	30																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
270.36	282.46	12.10				VOL		BN	Dark to olive green, fine grained, variably magnetic, banded VOL with alternating dark green chloritic layers with olive green intensely sericitic layers and is weakly calcareous. The chloritic layers are variably magnetic, and preferentially host pyrite as FG disseminations to wispy bands following narrow Ca veinlets/fracture filling. The Py mineralization increases with depth to <2 mm blebs to small FG crystals and 1.2 cm masses hosted in darker non-SER altered bands. Trace fuchsite is present, <1 mm, bright green blebs within sericite bands.								CHL	i	w			Fu	t			
																		SER	s								
									Strong FO, defined by banding at 40 to 50 degrees TCA.	FO	45																	
									Narrow Ca veinlets, 30-50 degrees TCA, 0 degrees to FO, hosting FG bright yellow Py blebs, crosscutting FO.	VN	50	0	2															
									Shallow, irregular barren Ca veinlets occur at 25 deg TCA and crosscut the foliation at 270 degrees .	VN	25	270	1															
282.46	343.20	60.74				LST	DOL	BX	Dark to light grey, variably BX, moderate-strong dolomitized limestone hosting weak Py mineralization as FG, bright <2 mm crystals to coarse, ~1.2 cm cubes. Trace talc-tremolite alteration of dolomitized LST occurs intermittently throughout. the LST has brecciated, interbedded clastic "debris flow"-like material that is matrix supported and contains dark, angular <1 cm clasts to FG dark LST. cBX to mBX increases in concentration with depth, with the cBX matrix exhibiting strain variable dissolution textures throughout.					ms				TLC	t	w							
																		SER	w								
			291.48	296.04	4.56	VOL	SER	BN	Olive green, intensely SER ALT FG VOL with yellow, FG Py occurring preferentially in darker bands. Limestone interbeds finger throughout the top of interval, but decrease with depth.									SER	i			f					
									FO defined by banding, 50 degrees TCA	FO	50																
									Dol-Ca-Tc-Tr-Qz vein, CG, grey translucent dolomite with milky-grey Ca and creamy green talc-tremolite, lacking sulphide mineralization at 289.20 m.	VN	40	180															

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			290.00	291.00	1.00				Dol veinlets (dolomitized Ca?), oriented 30 to 35 degrees TCA, 0.8 to 1.3 cm in width, white grey in colour. 3 per meter from 290.00 to 291.00 m.	VN	20	270	3														x
									White, translucent MG Ca occurring at 40 deg TCA, cutting the FO at 50 degrees, and crosscutting the above Dol veinlets at ~ 90 deg.	VN	40	50							t							x
									CG Qz-Ca vein, 18 cm wide, ~85 % quartz. With talc alteration (of Ca), creamy green in colour, soft, fibrous mineral. Py is hosted in vein selvage as small, FG "shotgun" masses at 305.35 m.	VN	50			t													
			306.00	307.00	1.00				Qz-Ca-Cl veinlets, CG quartz with fine to medium grained Ca. Chlorite on veinlet margins, trace FG "shotgun" Py associated with chlorite. 3 per meter from 306.00 to 307.00 m.	VN	80	270	3							t							
			319.84	340.19	20.35	LST	DOL		Light to dark grey, variably brecciated and deformed clastic, strongly DOL LST, hosting weak Py mineralization as small, FG, "shotgun" masses. The clastic LST is matrix supported, with a light grey, FG weakly calcareous matrix containing 10-25% clasts which are dark grey with an angular to tabular shape approximately 1.2 cm in size. Clastic "debris flow"-like rock is interbedded with dark grey, FG LST. Brecciation is weak throughout, variably sBX with the breccia matrix becoming sinuous in appearance. The strain fabric is variable throughout, commonly shallow TCA, wavy, with Ca/BX veinlets often oriented near 0 degrees TCA, following strain fabric.					s					w							x
									Foliation is variable in angle and strength, generally strong, 30 degrees TCA but variable. Foliation is defined by the strain fabric/relict bedding.	FO	25															
									Qz-Dol-Cl-Py vein, CG, milky to translucent white-grey Qz ~90% with MG-CG Dol (dolomitized Ca?) with FG, yellow "shotgun" Py with chlorite on vein margins. Trace Py mineralization within vein. Py defining extent of vein selvage, up to 12 cm from vein.	VN									f							
			340.19	343.20	3.01	LST	DOL	BX	Light to dark grey, strongly dolomitized, variably strained, cBX LST, with rounded and angular strained clasts. Trace "shotgun" Py occurs as FG yellow crystals overprinting and rimming dark BX clasts and matrix materials.					s					t							
									Generally 50 degrees, defined by strained BX fragments, locally 30 degrees TCA in FG, silty strained interbeds.	FO	45															

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									343.20 m - E.O.H. The hole was ended because it was past the targeted depth.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: RAU-10-83

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
105.16	107.44	2.28	LST		2.28	100	I075276	22	<0.01	0.02	17	3.06	
107.44	109.00	1.56	LST	MBL	1.52	97	I075277	22	<0.01	0.03	19	1.09	
109.00	110.66	1.66	DOL	MX	1.53	92	I075278	22	0.01	0.05	13	0.73	
110.66	113.56	2.90	DOL	MX	2.82	97	I075279	22	6.27	0.20	25100	382.00	
113.56	115.00	1.44	DOL	MX	1.44	100	I075280	22	4.37	0.15	77300	164.50	
115.00	116.89	1.89	DOL	MX	1.83	97	I075282	22	1.35	0.26	9870	116.50	
116.89	118.42	1.53	MBL		1.53	100	I075283	22	0.05	0.03	107	1.32	
118.42	121.26	2.84	VOL		2.64	93	I075284	22	<0.01	0.71	45.1	0.82	
121.26	124.24	2.98	VOL		2.98	100	I075286	22	<0.01	0.08	4.2	0.18	
124.24	127.27	3.03	VOL		2.98	98	I075287	22	<0.01	0.07	5.8	0.16	
127.27	130.09	2.82	VOL		2.65	94	I075288	22	<0.01	0.10	2.7	0.06	
130.09	132.24	2.15	VOL		2.12	99	I075289	22	<0.01	0.08	8.2	0.12	
132.24	134.26	2.02	VOL		2.02	100	I075290	22	0.01	0.13	87	0.60	
134.26	137.00	2.74	LST	DOL	2.74	100	I075291	22	<0.01	0.02	17	0.24	
137.00	140.06	3.06	LST	DOL	2.94	96	I075292	22	<0.01	0.07	<5	13.40	
140.06	142.65	2.59	LST	DOL	2.46	95	I075293	23	0.03	0.73	17.5	8220.00	
142.65	143.86	1.21	LST	DOL	1.17	97	I075294	23	0.03	1.04	388	1620.00	
143.86	145.00	1.14	LST	DOL	1.14	100	I075295	23	<0.01	0.09	225	52.80	
145.00	147.36	2.36	LST	DOL	2.30	97	I075296	23	0.01	0.24	135	2500.00	
147.36	150.06	2.70	LST	DOL	2.70	100	I075297	23	<0.01	0.01	<5	2.85	
150.06	153.10	3.04	LST	DOL	3.04	100	I075298	23	<0.01	0.02	9	2.43	
259.00	262.00	3.00	LST	DOL	2.73	91	I075365	25	0.01	0.09	41	0.93	
262.00	265.00	3.00	LST	DOL	2.80	93	I075366	25	0.01	0.23	123	0.12	
265.00	267.33	2.33	LST	DOL	2.29	98	I075367	25	0.01	0.05	58	0.06	
267.33	270.36	3.03	LST	DOL	3.00	99	I075368	25	<0.01	0.02	7	0.22	
270.36	272.36	2.00	VOL	SER	2.02	101	I075370	25	0.01	2.06	21.4	0.41	
272.38	274.02	1.64	VOL	SER	1.63	99	I075371	25	<0.01	<0.01	2.5	0.13	
274.02	277.06	3.04	VOL	SER	3.02	99	I075372	25	<0.01	<0.01	2.3	0.30	
277.06	279.81	2.75	VOL	SER	2.61	95	I075373	25	0.01	<0.01	7.7	0.39	
279.81	282.46	2.65	VOL	SER	2.35	89	I075374	25	0.03	<0.01	56.6	1.11	
282.46	284.99	2.53	LST	DOL	2.48	98	I075376	25	0.15	0.29	102	22.40	
284.99	288.04	3.05	LST	DOL	3.03	99	I075377	25	0.03	0.12	67	8.63	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
288.04	290.00	1.96	LST	DOL	1.95	99	I075379	25	0.01	0.09	11	2.09	
290.00	291.48	1.48	LST	DOL	1.44	97	I075380	25	0.01	0.05	13	1.72	
291.48	293.22	1.74	LST	DOL	1.74	100	I075381	25	0.01	0.10	31	3.69	
293.22	296.04	2.82	LST	DOL	2.82	100	I075382	25	0.02	0.02	51.1	4.19	
296.04	299	2.96	LST	DOL	2.96	100	I075383	25	0.02	0.04	41.7	2.44	
299.00	302.00	3.00	LST	DOL	2.93	98	I075384	25	0.02	0.05	42	3.38	
302.00	304.80	2.80	LST	DOL	2.54	91	I075385	25	0.03	0.08	29	3.96	
304.80	307.85	3.05	LST	DOL	3.05	100	I075386	25	0.03	0.04	51	2.50	
307.85	310.90	3.05	LST	DOL	3.03	99	I075387	25	0.05	0.03	46	4.20	
310.90	312.33	1.43	LST	DOL	1.42	99	I075389	25	0.06	0.04	67	3.16	
312.33	313.94	1.61	LST	DOL	1.60	99	I075390	25	0.27	0.13	711	90.20	
313.94	316.99	3.05	LST	DOL	3.03	99	I075392	25	0.14	0.12	395	50.90	
316.99	320.04	3.05	LST	DOL	3.04	100	I075393	25	0.05	0.07	57	2.98	
320.04	323.09	3.05	LST	DOL	3.02	99	I075394	25	0.03	0.09	68	16.95	
323.09	326.14	3.05	LST	DOL	3.05	100	I075395	25	0.01	0.01	23	1.19	
326.14	329.18	3.04	LST	DOL	3.03	100	I075396	25	0.01	<0.01	10	1.11	
329.18	332.23	3.05	LST	DOL	3.01	99	I075397	25	0.01	0.01	23	0.85	
332.23	334.06	1.83	LST	DOL	1.80	98	I075398	25	0.01	0.01	10	0.42	
334.06	336.80	2.74	LST	DOL	2.64	96	I075399	25	<0.01	0.01	6	1.11	
336.80	338.00	1.20	LST	DOL	1.20	100	I075400	25	0.01	0.02	12	1.08	
338.00	340.19	2.19	LST	DOL	2.10	96	I075401	26	0.02	0.04	22	1.58	
340.19	343.20	3.01	LST	DOL	3.01	100	I075402	26	0.02	0.02	26	1.26	
-	-	-	-	-	-	-	I075281	22	0.01	0.01	70	1.00	Blank (BTW)
-	-	-	-	-	-	-	I075285	22	3.73	0.21	46800	220.00	Standard RSS-7
267.33	270.36	3.03	LST	DOL	3.00	99	I075369	25	<0.01	0.02	32	0.42	Duplicate
-	-	-	-	-	-	-	I075375	25	<0.01	0.01	<5	0.02	Blank (BTW)
-	-	-	-	-	-	-	I075378	25	2.00	0.25	27200	270.00	Standard RSS-6
-	-	-	-	-	-	-	I075388	25	2.78	0.71	1610	94.60	Standard RSS-5
-	-	-	-	-	-	-	I075391	25	<0.01	<0.01	<5	0.21	Blank (BTW)

GEOTECHNICAL LOG

HOLE: RAU-10-83

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
1.52	3.05	1.53	0.11	7	0	0	W	FR		
3.05	3.96	0.91	0.64	70	0.00	0	W	FR		
3.96	4.88	0.92	0.58	63	0.00	0	MS	FR		
4.88	6.10	1.22	1.11	91	0.69	57	MS	FR		
6.10	7.62	1.52	1.45	95	1.09	72	MS	FR		
7.62	8.23	0.61	0.61	100	0.61	100	MS	FR		
8.23	9.14	0.91	0.78	86	0.30	33	MS	FR		
9.14	10.97	1.83	1.83	100	1.83	100	MS	FR		
10.97	13.72	2.75	2.53	92	2.53	92	MS	FR		
13.72	16.76	3.04	3.00	99	3.00	99	MS	FR		
16.76	19.81	3.05	3.01	99	2.95	97	MS	SW		
19.81	22.86	3.05	3.00	98	2.62	86	MS	FR		
22.86	24.99	2.13	2.11	99	1.90	89	MS	FR		
24.99	27.43	2.44	2.34	96	2.23	91	MS	FR		
27.43	30.48	3.05	3.01	99	2.30	75	MS	SW		
30.48	33.53	3.05	3.03	99	1.49	49	MS	FR		
33.53	36.27	2.74	2.47	90	1.71	62	MS	SW		
36.27	37.49	1.22	1.22	100	0.58	48	MS	SW		
37.49	39.32	1.83	1.83	100	0.74	40	MS	SW		
39.32	40.23	0.91	0.91	100	0.51	56	MS	SW		
40.23	41.76	1.53	1.30	85	0.78	51	MS	SW		
41.76	44.20	2.44	2.44	100	2.22	91	MS	FR		
44.20	47.24	3.04	2.95	97	1.81	60	MS	FR		
47.24	50.29	3.05	3.05	100	2.87	94	MS	FR		
50.29	52.12	1.83	1.59	87	0.99	54	MS	FR		
52.12	53.04	0.92	0.47	51	0.00	0	MS	W		
53.04	53.34	0.30	0.11	37	0.00	0	MS	W		
53.34	56.39	3.05	2.94	96	2.77	91	MS	FR		
56.39	59.44	3.05	3.03	99	3.03	99	MS	FR		
59.44	62.48	3.04	3.04	100	3.03	100	MS	FR		
62.48	65.53	3.05	3.03	99	3.03	99	MS	FR		
65.53	68.58	3.05	2.99	98	2.99	98	MS	FR		
68.58	71.63	3.05	3.05	100	3.05	100	MS	FR		
71.63	73.61	1.98	1.98	100	1.45	73	MS	FR		
73.61	76.20	2.59	2.58	100	2.58	100	MS	FR		
76.20	78.33	2.13	2.09	98	1.73	81	MS	FR		
78.33	80.77	2.44	2.40	98	2.17	89	MS	FR		
80.77	83.82	3.05	3.02	99	2.76	90	MS	FR		
83.82	86.87	3.05	3.01	99	2.68	88	MS	FR		
86.87	89.92	3.05	3.01	99	2.57	84	MS	FR		
89.92	92.96	3.04	3.04	100	2.61	86	MS	FR		
92.96	96.01	3.05	3.01	99	2.71	89	MS	FR		
96.01	99.06	3.05	3.05	100	2.62	86	MS	FR		
99.06	102.11	3.05	2.97	97	2.77	91	MS	SW		
102.11	105.16	3.05	3.05	100	2.76	90	MS	FR		
105.16	108.20	3.04	3.02	99	2.56	84	MS	FR		
108.20	111.25	3.05	2.98	98	2.44	80	MS	FR		
111.25	114.30	3.05	3.05	100	2.79	91	MS	FR		
114.30	117.35	3.05	2.95	97	2.66	87	MS	FR		
117.35	120.39	3.04	2.94	97	2.18	72	MS	FR		
120.39	123.44	3.05	3.05	100	2.27	74	MS	FR		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
123.44	126.49	3.05	3.00	98	2.43	80	MS	FR		
126.49	129.54	3.05	2.94	96	1.81	59	MS	FR		
129.54	131.67	2.13	2.07	97	1.57	74	MS	FR		
131.67	134.11	2.44	2.44	100	2.23	91	MS	FR		
134.11	136.55	2.44	2.44	100	1.27	52	MS	SW		
136.55	139.60	3.05	2.87	94	1.73	57	MS	SW		
139.60	140.51	0.91	0.79	87	0.47	52	MS	SW		
140.51	143.26	2.75	2.63	96	1.91	69	MS	FR		
143.26	146.30	3.04	2.86	94	1.40	46	MS	FR		
146.30	149.35	3.05	2.97	97	2.22	73	MS	FR		
149.35	152.40	3.05	3.02	99	1.79	59	MS	FR		
152.40	155.45	3.05	2.97	97	1.55	51	MS	FR		
155.45	158.50	3.05	2.92	96	2.59	85	MS	FR		
158.50	161.54	3.04	2.97	98	2.53	83	MS	FR		
161.54	164.59	3.05	2.96	97	2.37	78	MS	FR		
164.59	167.64	3.05	2.82	92	1.47	48	MS	FR		
167.64	170.69	3.05	2.92	96	2.42	79	MS	FR		
170.69	173.74	3.05	3.05	100	2.46	81	MS	FR		
173.74	176.78	3.04	2.97	98	2.04	67	MS	FR		
176.78	179.22	2.44	2.44	100	0.96	39	MS	SW		
179.22	182.42	3.20	3.08	96	2.57	80	MS	FR		
182.42	185.62	3.20	3.11	97	2.34	73	MS	FR		
185.62	188.67	3.05	3.05	100	2.93	96	MS	FR		
188.67	191.72	3.05	3.05	100	2.80	92	MS	FR		
191.72	194.92	3.20	3.06	96	3.06	96	MS	FR		
194.92	198.12	3.20	3.05	95	2.51	78	MS	FR		
198.12	201.17	3.05	3.05	100	2.87	94	MS	FR		
201.17	204.22	3.05	3.05	100	2.87	94	MS	FR		
204.22	207.26	3.04	2.97	98	2.04	67	MS	FR		
207.26	213.21	5.95	5.76	97	3.55	60	MS	SW		DRILLERS MISSED A BLOCK
213.21	216.25	3.04	3.04	100	2.58	85	MS	FR		
216.25	219.46	3.21	3.03	94	2.26	70	MS	FR		
219.46	222.50	3.04	2.81	92	1.53	50	MS	SW		
222.50	225.55	3.05	3.05	100	2.79	91	MS	FR		
225.55	228.60	3.05	2.99	98	2.28	75	MS	SW		
228.60	231.65	3.05	2.97	97	1.86	61	MS	SW		
231.65	234.70	3.05	2.90	95	1.86	61	S	SW		
234.70	237.74	3.04	2.99	98	2.76	91	S	FR		
237.74	240.79	3.05	3.00	98	2.76	90	MS	FR		
240.79	243.84	3.05	2.92	96	2.32	76	S	FR		
243.84	246.89	3.05	2.98	98	2.11	69	MS	FR		
246.89	249.94	3.05	3.05	100	2.86	94	MS	FR		
249.94	252.98	3.04	3.01	99	3.01	99	MS	FR		
252.98	256.03	3.05	3.05	100	2.97	97	MS	FR		
256.03	259.08	3.05	3.00	98	1.85	61	MS	FR		
259.08	262.13	3.05	2.82	92	2.37	78	MS	FR		
262.13	264.87	2.74	2.42	88	1.03	38	MS	FR		
264.87	267.92	3.05	3.00	98	2.75	90	MS	FR		
267.92	270.97	3.05	3.05	100	2.77	91	MS	FR		
270.97	274.02	3.05	3.05	100	2.82	92	MS	FR		
274.02	277.06	3.04	3.05	100	1.95	64	MS	FR		
277.06	279.81	2.75	2.75	100	1.72	63	MS	FR		
279.81	282.24	2.43	2.15	88	0.00	0	MS	FR		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
282.24	284.99	2.75	2.75	100	2.59	94	MS	FR		
284.99	288.04	3.05	3.04	100	2.50	82	MS	FR		
288.04	291.08	3.04	3.01	99	2.20	72	MS	FR		
291.08	293.22	2.14	2.11	99	0.44	21	MS	FR		
293.22	296.27	3.05	3.05	100	2.46	81	MS	FR		
296.27	299.31	3.04	3.04	100	2.75	90	MS	FR		
299.31	302.36	3.05	3.01	99	2.25	74	MS	FR		
302.36	304.80	2.44	2.20	90	1.84	75	MS	FR		
304.80	307.85	3.05	3.05	100	2.84	93	MS	FR		
307.85	310.90	3.05	3.05	100	2.83	93	MS	FR		
310.90	313.94	3.04	3.02	99	2.85	94	MS	FR		
313.94	316.99	3.05	3.03	99	2.79	91	MS	FR		
316.99	320.04	3.05	3.04	100	2.80	92	MS	FR		
320.04	323.09	3.05	3.02	99	2.05	67	MS	FR		
323.09	326.14	3.05	3.05	100	2.60	85	MS	FR		
326.14	329.18	3.04	3.03	100	2.61	86	MS	FR		
329.18	332.23	3.05	3.01	99	3.01	99	MS	FR		
332.23	334.06	1.83	1.80	98	1.29	70	MS	FR		
334.06	336.80	2.74	2.64	96	2.25	82	MS	FR		
336.80	338.94	2.14	2.10	98	1.74	81	MS	FR		
338.94	341.98	3.04	3.03	100	2.33	77	MS	FR		
341.98	343.20	1.22	1.12	92	1.03	84	MS	FR		
343.20	E.O.H.									

MAGNETIC SUSCEPTIBILITY LOG

HOLE: RAU-10-83

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	OVB		N/A	
2.00	LST	FOS	0.06	
3.00	LST	FOS	0.04	
4.00	LST	FOS	0.06	
5.00	LST	FOS	0.04	
6.00	LST	FOS	0.00	
7.00	LST	FOS	0.00	
8.00	LST	FOS	0.04	
9.00	LST	FOS	0.00	
10.00	LST	FOS	0.00	
11.00	LST	FOS	0.00	
12.00	LST	FOS	0.00	
13.00	LST	BX	0.06	
14.00	LST	BX	0.00	
15.00	LST	BX	0.00	
16.00	LST	BX	0.00	
17.00	LST	FOS	0.34	
18.00	LST	FOS	0.00	
19.00	LST	FOS	0.10	
20.00	LST	FOS	0.12	
21.00	LST	FOS	0.02	
22.00	LST	FOS	0.01	
23.00	LST	FOS	0.00	
24.00	LST	FOS	0.00	
25.00	LST	FOS	0.00	
26.00	LST	FOS	0.43	
27.00	LST	FOS	0.02	
28.00	LST	FOS	0.00	
29.00	LST	FOS	0.08	
30.00	LST	FOS	0.08	
31.00	LST	FOS	0.00	
32.00	LST	FOS	0.00	
33.00	LST	FOS	0.00	
34.00	LST	FOS	0.14	
35.00	LST	FOS	0.02	
36.00	LST	FOS	0.12	
37.00	LST	FOS	0.00	
38.00	LST	FOS	0.02	
39.00	LST	FOS	0.02	
40.00	LST	FOS	0.00	
41.00	LST	FOS	0.00	
42.00	LST	FOS	0.02	
43.00	LST	FOS	0.00	
44.00	LST	FOS	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	LST	FOS	0.00	
46.00	LST	FOS	0.04	
47.00	LST	FOS	0.04	
48.00	LST	FOS	0.06	
49.00	LST	FOS	0.08	
50.00	LST	MBL	0.00	
51.00	LST	MBL	0.00	
52.00	LST	MBL	0.00	
53.00	LST	MBL	0.02	
54.00	LST	MBL	0.00	
55.00	LST	MBL	0.00	
56.00	LST	MBL	0.02	
57.00	LST	MBL	0.02	
58.00	LST	MBL	0.00	
59.00	LST	MBL	0.02	
60.00	LST	MBL	0.00	
61.00	LST	MBL	0.02	
62.00	LST	MBL	0.00	
63.00	LST	MBL	0.06	
64.00	LST	MBL	0.00	
65.00	LST	MBL	0.00	
66.00	LST	MBL	0.00	
67.00	LST	MBL	0.04	
68.00	LST	MBL	0.00	
69.00	LST	MBL	0.04	
70.00	LST	MBL	0.00	
71.00	LST	MBL	0.00	
72.00	LST	FOS	0.00	
73.00	LST	FOS	0.00	
74.00	LST	FOS	0.00	
75.00	LST	FOS	0.06	
76.00	LST	FOS	0.00	
77.00	LST	FOS	0.02	
78.00	LST	FOS	0.02	
79.00	LST	FOS	0.12	
80.00	LST	FOS	0.22	
81.00	LST	FOS	0.16	
82.00	LST	FOS	0.16	
83.00	LST	FOS	0.12	
84.00	LST	FOS	0.08	
85.00	LST	FOS	0.14	
86.00	LST	FOS	0.27	
87.00	LST	FOS	0.06	
88.00	LST	FOS	0.04	
89.00	LST	FOS	0.00	
90.00	LST	FOS	0.02	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	LST	FOS	0.02	
92.00	LST	FOS	0.12	
93.00	LST	FOS	0.22	
94.00	LST	FOS	0.10	
95.00	LST	FOS	0.04	
96.00	LST	FOS	0.08	
97.00	LST	FOS	0.08	
98.00	LST	FOS	0.08	
99.00	LST	FOS	0.04	
100.00	LST	FOS	0.22	
101.00	LST	FOS	0.04	
102.00	LST	MBL	0.06	
103.00	LST	MBL	0.00	
104.00	LST	MBL	0.00	
105.00	LST	MBL	0.02	
106.00	LST	MBL	0.10	
107.00	LST	MBL	0.00	
108.00	LST	MBL	0.00	
109.00	LST	MBL	0.08	
110.00	DOL	MX	0.16	
111.00	DOL	MX	0.34	
112.00	DOL	MX	5.71	
113.00	DOL	MX	1.55	
114.00	DOL	MX	5.26	
115.00	DOL	MX	10.10	
116.00	DOL	MX	0.59	
117.00	MBL		0.61	
118.00	MBL		0.04	
119.00	VOL	AM	3.50	
120.00	VOL	AM	47.30	
121.00	VOL	AM	33.20	
122.00	VOL	AM	135.00	
123.00	VOL	AM	51.60	
124.00	VOL	AM	63.70	
125.00	VOL	AM	65.00	
126.00	VOL	AM	1.00	
127.00	VOL	AM	133.00	
128.00	VOL	AM	96.10	
129.00	VOL	AM	82.00	
130.00	VOL	AM	9.71	
131.00	VOL	AM	3.73	
132.00	VOL	AM	0.30	
133.00	VOL	AM	0.24	
134.00	VOL	AM	1.04	
135.00	LST	DOL	0.02	
136.00	LST	DOL	0.02	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	LST	DOL	0.00	
138.00	LST	DOL	0.00	
139.00	LST	DOL	22.10	
140.00	LST	DOL	0.00	
141.00	LST	DOL	15.00	
142.00	LST	DOL	11.70	
143.00	LST	DOL	21.20	
144.00	LST	DOL	0.12	
145.00	LST	DOL	0.00	
146.00	LST	DOL	0.00	
147.00	LST	DOL	0.43	
148.00	LST	DOL	0.04	
149.00	LST	DOL	0.06	
150.00	LST	DOL	0.06	
151.00	LST	DOL	0.00	
152.00	LST	DOL	0.00	
153.00	LST	DOL	0.00	
154.00	LST	DOL	0.04	
155.00	LST	DOL	0.08	
156.00	LST	DOL	0.16	
157.00	LST	DOL	0.04	
158.00	LST	DOL	0.65	
159.00	LST	DOL	0.00	
160.00	LST	DOL	0.06	
161.00	LST	DOL	0.02	
162.00	LST	DOL	0.00	
163.00	LST	DOL	0.00	
164.00	LST	DOL	0.00	
165.00	LST	DOL	0.00	
166.00	LST	DOL	0.14	
167.00	LST	DOL	0.00	
168.00	LST	DOL	0.00	
169.00	LST	DOL	0.00	
170.00	LST	DOL	0.00	
171.00	LST	DOL	0.02	
172.00	LST	DOL	0.00	
173.00	LST	DOL	0.06	
174.00	LST	DOL	0.00	
175.00	LST	DOL	0.00	
176.00	LST	DOL	0.00	
177.00	LST	DOL	0.00	
178.00	LST	DOL	0.02	
179.00	LST	DOL	1.70	
180.00	LST	DOL	0.01	
181.00	LST	DOL	0.10	
182.00	LST	DOL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00	LST	DOL	0.00	
184.00	LST	DOL	0.04	
185.00	LST	DOL	0.04	
186.00	LST	DOL	0.06	
187.00	LST	DOL	0.00	
188.00	LST	DOL	0.08	
189.00	LST	DOL	0.04	
190.00	LST	DOL	0.00	
191.00	LST	DOL	0.06	
192.00	LST	DOL	0.10	
193.00	LST	DOL	0.00	
194.00	LST	DOL	0.06	
195.00	LST	DOL	0.02	
196.00	LST	DOL	0.00	
197.00	LST	DOL	0.08	
198.00	LST	DOL	0.02	
199.00	LST	DOL	0.00	
200.00	LST	DOL	0.02	
201.00	LST	DOL	0.10	
202.00	LST	DOL	0.00	
203.00	LST	DOL	0.02	
204.00	LST	DOL	0.06	
205.00	LST	DOL	0.14	
206.00	LST	DOL	0.04	
207.00	LST	DOL	0.02	
208.00	LST	DOL	0.02	
209.00	LST	DOL	0.08	
210.00	LST	DOL	0.04	
211.00	LST	DOL	0.00	
212.00	LST	DOL	0.00	
213.00	LST	DOL	0.00	
214.00	LST	DOL	0.00	
215.00	LST	DOL	0.00	
216.00	LST	DOL	1.16	
217.00	LST	DOL	0.00	
218.00	LST	DOL	0.06	
219.00	LST	DOL	0.02	
220.00	LST	DOL	0.00	
221.00	LST	DOL	0.00	
222.00	LST	DOL	0.00	
223.00	LST	DOL	0.00	
224.00	LST	DOL	0.00	
225.00	LST	DOL	0.00	
226.00	LST	DOL	0.00	
227.00	LST	DOL	0.06	
228.00	LST	DOL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
229.00	LST	DOL	0.00	
230.00	LST	DOL	0.00	
231.00	LST	DOL	0.00	
232.00	LST	DOL	0.00	
233.00	LST	DOL	0.02	
234.00	LST	DOL	0.00	
235.00	LST	DOL	0.00	
236.00	LST	DOL	0.06	
237.00	LST	DOL	0.00	
238.00	LST	DOL	0.00	
239.00	LST	DOL	0.00	
240.00	LST	DOL	0.24	
241.00	LST	DOL	0.08	
242.00	LST	DOL	0.00	
243.00	LST	DOL	0.00	
244.00	LST	DOL	0.00	
245.00	LST	DOL	0.00	
246.00	LST	DOL	0.00	
247.00	LST	DOL	0.00	
248.00	LST	DOL	0.00	
249.00	LST	DOL	0.00	
250.00	LST	DOL	0.00	
251.00	LST	DOL	0.00	
252.00	LST	DOL	1.35	
253.00	LST	DOL	0.00	
254.00	LST	DOL	0.00	
255.00	LST	DOL	0.04	
256.00	LST	DOL	0.00	
257.00	LST	DOL	0.28	
258.00	LST	DOL	0.02	
259.00	LST	DOL	0.00	
260.00	LST	DOL	0.00	
261.00	LST	DOL	0.00	
262.00	LST	DOL	0.00	
263.00	LST	DOL	0.05	
264.00	LST	DOL	0.12	
265.00	LST	DOL	3.42	
266.00	LST	DOL	1.06	
267.00	LST	DOL	0.00	
268.00	LST	DOL	0.34	
269.00	LST	DOL	2.99	
270.00	LST	DOL	4.01	
271.00	VOL	BN	9.09	
272.00	VOL	BN	108.00	
273.00	VOL	BN	92.50	
274.00	VOL	BN	39.50	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
275.00	VOL	BN	9.36	
276.00	VOL	BN	4.77	
277.00	VOL	BN	0.63	
278.00	VOL	BN	12.30	
279.00	VOL	BN	0.90	
280.00	VOL	BN	0.14	
281.00	VOL	BN	0.00	
282.00	VOL	BN	0.00	
283.00	LST	DOL	0.00	
284.00	LST	DOL	0.00	
285.00	LST	DOL	0.32	
286.00	LST	DOL	0.34	
287.00	LST	DOL	1.68	
288.00	LST	DOL	0.51	
289.00	LST	DOL	0.00	
290.00	LST	DOL	0.79	
291.00	LST	DOL	0.51	
292.00	LST	DOL	0.51	
293.00	LST	DOL	0.57	
294.00	LST	DOL	0.41	
295.00	LST	DOL	1.16	
296.00	LST	DOL	0.04	
297.00	LST	DOL	1.08	
298.00	LST	DOL	0.08	
299.00	LST	DOL	0.04	
300.00	LST	DOL	0.06	
301.00	LST	DOL	0.45	
302.00	LST	DOL	0.04	
303.00	LST	DOL	0.06	
304.00	LST	DOL	0.12	
305.00	LST	DOL	0.00	
306.00	LST	DOL	0.00	
307.00	LST	DOL	0.24	
308.00	LST	DOL	0.71	
309.00	LST	DOL	0.00	
310.00	LST	DOL	0.90	
311.00	LST	DOL	0.00	
312.00	LST	DOL	0.00	
313.00	LST	DOL	0.00	
314.00	LST	DOL	0.16	
315.00	LST	DOL	0.00	
316.00	LST	DOL	0.38	
317.00	LST	DOL	0.12	
318.00	LST	DOL	0.00	
319.00	LST	DOL	0.18	
320.00	LST	DOL	0.04	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
321.00	LST	DOL	0.14	
322.00	LST	DOL	0.20	
323.00	LST	DOL	0.04	
324.00	LST	DOL	0.10	
325.00	LST	DOL	0.04	
326.00	LST	DOL	0.00	
327.00	LST	DOL	0.00	
328.00	LST	DOL	0.04	
329.00	LST	DOL	0.38	
330.00	LST	DOL	1.51	
331.00	LST	DOL	0.00	
332.00	LST	DOL	0.02	
333.00	LST	DOL	2.31	
334.00	LST	DOL	0.06	
335.00	LST	DOL	0.00	
336.00	LST	DOL	0.04	
337.00	LST	DOL	1.27	
338.00	LST	DOL	0.73	
339.00	LST	DOL	0.92	
340.00	LST	DOL	0.12	
341.00	LST	DOL	0.00	
342.00	LST	DOL	0.18	
343.00	LST	DOL	0.00	

DENSITY LOG

HOLE: RAU-10-83

Depth (m)	Unit	Modifier	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
			Py %	As %	Other	%							
83.16	LST	FOS	-	-	-			15.0	4.2	577.2	366.5	2.83	2.74
103.11	LST	MBL	-	-	-		ST TEXTURE	14.8	4.2	561.0	354.8	2.79	2.72
112.51	DOL	MX	M	F	-		FO TEXTURE, TIGER ZONE	14.8	4.2	730.1	523.1	3.63	3.53
118.01	LST	MBL	-	-	-		SERICITE INCLUSIONS	14.9	4.2	566.2	358.7	2.80	2.73
119.53	VOL	-	-	-	-		AM TEXTURE	15.1	4.2	602.7	392.6	2.94	2.87
140.83	MX	-	-	-	Po	80		15.2	4.2	956.3	747.7	4.63	4.58
146.40	LST	MBL	-	-	-			15.0	4.2	580.8	374.0	2.85	2.81
156.26	LST	DOL	-	-	-			14.7	4.2	585.2	379.8	2.93	2.85
235.40	LST	-	W	-	-		Fo	15.2	4.2	606.8	394.5	2.94	2.86
265.55	LST	MBL	T	-	-		Fo	15.0	4.2	599.0	389.5	2.94	2.86
275.33	VOL	SER	W	-	-		Fo	14.8	4.2	587.3	380.3	2.92	2.84
282.85	VOL	-	W	-	-		Fo	15.0	4.2	631.8	421.2	3.10	3.00
306.39	LST	-	F	-	-			14.9	4.2	625.9	416.5	3.09	2.99
313.69	LST	-	W	-	-			15.1	4.2	638.8	428.7	3.11	3.04
327.00	LST	DOL	-	-	-		SBx, Random black carbonaceous clasts	14.8	4.2	587.0	380.2	2.92	2.84

BOX LOG

HOLE: RAU-10-83

BOX	FROM (m)	TO (m)
1	1.52	7.62
2	7.62	13.08
3	13.08	18.55
4	18.55	23.95
5	23.95	29.42
6	29.42	34.74
7	34.74	39.68
8	39.68	44.89
9	44.89	50.29
10	50.29	55.55
11	55.55	61.36
12	61.36	67.07
13	67.07	72.62
14	72.62	78.28
15	78.28	83.82
16	83.82	89.50
17	89.50	95.06
18	95.06	100.80
19	100.80	106.44
20	106.44	112.09
21	112.09	117.78
22	117.78	123.20
23	123.20	128.73
24	128.73	134.11
25	134.11	139.36
26	139.36	144.65
27	144.65	150.06
28	150.06	155.45
29	155.45	160.93
30	160.93	167.26
31	167.26	171.93
32	171.93	177.26
33	177.26	182.42
34	182.42	188.03
35	188.03	193.71
36	193.71	199.24
37	199.24	204.69
38	204.69	210.10
39	210.10	215.59
40	215.59	220.93
41	220.93	226.28
42	226.28	231.72
43	231.72	237.27
44	237.27	252.49
45	242.49	248.07
46	248.07	253.47
47	253.47	259.08
48	259.08	264.77
49	264.77	270.18
50	270.18	275.48
51	275.48	280.60
52	280.60	285.77
53	285.77	291.08
54	291.08	296.27
55	296.27	301.65
56	301.65	307.36
57	307.36	313.02
58	313.02	318.71
59	318.71	324.21
60	324.21	329.79
61	329.79	335.33
62	335.33	340.87
63	340.87	343.20
343.20 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
10+400NW	10+240NE	528411	7119504	1465	212.80

ZONE: Tiger

SECTION: 10+400NW

HOLE: **Rau-10-84**

CLAIM: Rau 98f

Contractor: Superior

Drill: 3

Core size: HQ (NQ at 212.75 m)

Casing depth: 3.05 m in

Drilling dates: June 20 - July 2, 2010

Geology logged by: K. Wynne and E. Theissen

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-67.0	compass				

TARGET: Tiger Zone Oxide

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	3.05	3.05	OVB	
3.05	30.34	27.29	LST	
30.34	50.31	19.97	LVOL	
50.31	68.94	18.63	LST	Marbleized
68.94	107.88	38.94	LST	
107.88	111.84	3.96	OX	Volcaniclastic
111.84	126.12	14.28	LST	
126.12	156.57	30.45	LST	Rubbly
156.57	159.00	2.43	LST	Marbleized and rubbly
159.00	169.00	10.00	VOL	
169.00	173.13	4.13	VOL	Magentite pebble conglomerate
173.13	193.43	20.30	VOL	
193.43	197.51	4.08	VOL	Oxidized
197.51	199.03	1.52	OX	
199.03	212.80	13.77	MBL	With oxide seams.

SAMPLES

Numbers: I075456-I075468, I075485-I075491, I075485-I075491, I075599-I075601, I075687-I075703 I077838-I075848

Total: 61

Batch: 27, 28, 31, 33, 34, 38

Date Sent: June 30, July 1, 2, 4, 7, 2010

Certificate: VA10089854, VA10089853, VA10090964, VA10090963, VA10090966, VA10094121

COMMENTS

The hole was reduced at 212.75 m. The hole was lost at 212.80.

GEOLOGY LOG

HOLE: Rau-10-84

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	Photo
0.00	3.05	3.05				OVB			Overburden - no recovery																		
3.05	30.34	27.29				LST			Medium grey foliated, FG, LST with fossiliferous zones and silt rich intervals. White and grey spotted MG Ca as patches and zones occur throughout and often have irregular styolitic contacts with FG LST.	FO	45															
									Ca veinlets < 2 cm thick, at various orientations to CA.	VN			3														
			5.40	6.28	0.88	LST			Light grey LST with dark grey seams with blurred contacts at irregular orientations (dissolution texture). Increased seam density at low angle TCA and following general FO orientation. The last 4 cm are cBX FG LST with medium grey crackle seams.	FO	35																
			9.11	13.35	4.24	LST			White and grey spotted MG Ca throughout interval with trace crinoid fossils and trace FG Py following FO. Contacts have FG black seams that are altered medium-orange. Outside of interval, MG patchy Ca occures but in a lower density.	FO	45										t						
			17.12	21.90	4.78	LST	SLT		Dark grey, FG, calcareous, strongly FO, and fractures LST with a dull sheen on the fractures (silt and organic rich LST). Trace crinoids occur throughout the interval.	FO	45																
			19.79	20.06	0.27	LST		CN	Light to medium grey, MG LST with white spots ~ 0.2 cm in diameter and patches/layers ~ 3 cm thick. Contacts with FG LST are sharp, follow FO, and lack dissolution seams. Clasts of silt rich LST are found near lCN	FO	45																
			21.80	22.75	0.95	LST			Light to medium grey, MG, with white spots and patches which are elongate by the FO.	FO	45																
			22.75	24.80	2.05	LST		cBX	Very fossiliferous zone, mostly composed of coral that has been locally BX by black seams which form zones up to 10 cm wide (silt and organic rich).																		
									Thin black seams define FO.	FO	40																
			24.80	26.51	1.71	LST		lCN	Dark grey, vFG LST with variably elongate ~ 5 cm zones of MG white Ca. Fractures occur along the FO. Thin Ca veinlets follow FO. lCn is gradational.	VN	40		1														
			26.51	30.32	3.81	LST			Medium to light grey, MG, moderately calcarous, fossiliferous LST with FG interbeds. The lCN brecciates FG black clasts. Thin black stringers following FO and cross-cut Ca veinlets.	FO	40																x

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			28.10	29.57	1.47	LST			Very fractured interval with preferential fracture angle following FO. Orange brown alteration occurs on FX surfaces.	FX	45																
30.34	50.31	19.97				VOL			Dark grey, FG,non-calcareous, variably SER altered VOL with intervals containing Ca filled amygdals.																		
			30.34	34.15	3.81	VOL			Dark grey, vFG VOL, with FG to 0.5 cm Ca spots along FO and associated with trace Py. The interva bevomes more Ca rich down interval.										t								x
									Ca veinlet set <0.5 cm thick.	VN	35	90															
			34.15	39.21	5.06	VOL		AM	Amygdaloidal and Ca VT rich interval. Ca veinlets follow the FO and form blebs and patches up to 7 cm thick. The lCN is gradational.	VN	40		10														
			39.21	40.61	1.40	VOL	SER	CGL	Medium to dark green-grey SER altered VOL with orange-brown iron alteration along fractures and FO planes. vFG biotite occurs in intervals <10 cm thick. Slightly elongate medium grey clasts occur throughout unit, are non calcareous, non-magnetic and are surrounded by biotite rims.								SER	ms								
			40.61	42.06	1.45	VOL			Medium grey VOL with intense clacite veining FG to MG light grey spots. Ca veinlets have varied orientations, with the majority following FO. Trace SER and weak BIO alteration overall.	VN			15					SER	t								x
																		BIO	w								
			41.57	42.06	0.49				~ 5 cm thick vein occurring at a low angle TCA, with a irregular form. The veinlet appears to have brecciated the dark grey VOL into long straight pieces.	VN																	x
			42.06	45.17	3.11	VOL	SER		Dark green-grey SER altered VOL with orange brown alteration on fractures and following FO. Core very broken with FX following FO. Trace BIO aleration. A few dark grey elongate clats occur as it transitions into the lower unit.	FO	40							SER	s								
																		BIO	t								
			45.17	47.10	1.93	VOL	CGL		Transition from dark brown-grey to medium green-grey. The interval is biotite rich at the top of interval, grading into more SER altered, less BIO near the bottom. The interval has elongate clasts of medium grey to light blue-green-grey VOL up to 5 cm wide. BIO alteration is more predominant in matrix of conglomerate, while SER predominates in clasts. Trace chlorite is associated with the Ca veinlets.	FO	45							BIO	m				Ch	t			

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									Ca veins up to 3 cm thick, cuts FO at 100 degrees.	VN	30	100						SER	m								
			47.10	49.28	2.18	VOL			Medium blue-grey to dark grey, FG VOL with moderate SER altereation at the top, decreasing down interval.									SER	w								
									Foliation is defined by medium blue-grey and dark grey banding.	FO	45																	
			48.08	48.24	0.16				Qz vein with small vuggs, dark grey clasts and blue green (SER?) alteration on rims. Smaller veinlets and blebs with similar composition are found until 49.28 m.	VN			3														
			49.28	50.31	1.03	VOL			Medium green to brown, weakly to strongly calcareous VOL with strong SER alteration and weak BIO alteration at the top of the interval. Elongate Ca clasts occur scattered thoughout. There is a gradual transition into strong BIO alteration with calcite filled amygdules and Ca stringers in last 40 cm. The lCN with LSt is sharp.	lCN								SER	ms								
																		BIO	m								
50.31	68.94	18.63				LST	MBL		Medium to light grey weakly to intensely MBL ALT LST. The alteration occurs in zones. A cBX-like texture formed by dissolution is common in the strong to intensely MBL zones. White and dark grey spotted MG Ca occurs as small patches and layers.									MBL	m								
			50.31	52.17	1.86	LST	MBL		Intensely MBL LST interval is moderate concentraton of dissolution crackle seams.									MBL	i								
			52.17	55.48	3.31	LST			Gradational contacts into only weakly marbleized zone. The interval is very broken up. Orange browr alteration occur on fractures.									MBL	w								
			55.48	57.00	1.52	LST	MBL		Intensely to mod-strongly MBL, FG, light to medium grey LST. Black stringers follow FO, and patchy white-dark grey MG Ca patches are common.									MBL	s								
			57.00	68.94	11.94	LST	MBL		Medium grey to light grey, FG to MG LST without stringers as above. White-dark grey, MG Ca patches are smaller than in above interval. Intense to moderate-strong MBL contains dissolution seams throughout.	FO	45							MBL	s								

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
68.94	107.88	38.94				LST			Medium grey, FG, foliated LST with fossils (chain coral and diatoms). Dark grey stringers follow FO, and are locally altered medium orange brown. Trace disseminated Py and Po. White-dark grey mg spotted patches and layers common (may be fossils?)	FO	40									t		t					
			68.94	72.76	3.82	LST			Medium grey, FG, fossiliferous LST with strong FO at 40 deg TCA. Medium orange brown alteration coating occurs on fractures and FO planes. Trace Py and Po is disseminated throughout.										t		t					
			72.76	83.21	10.45				Increased density of white-dark grey Ca layers locally brecciating the medium grey LST. Some of the layers are offset by veinlet sets. Fossil rich areas including halysities, crinoids and other unidentified corals are cut off by darker grey layers. Trace disseminated Py and Po mineralization occurs throughout.										t		t					
									Very thin Ca veinlet set that is offset in parts showing a dexral shear direction (when core is pointed up hole).	VN	25	120														
			83.21	90.90	7.69	LST			Medium grey LST with light grey patches throughout. White- dark grey spotted Ca layers with white vertical lineations and white Ca veinlets occur throughout. Crinoids and other unidentified fossils occur weakly througout. Trace disseminated Py and Po occur throughout with Po also occuring in thin FO parallel stringers.	FO	40									t		t					x
			88.31	89.96	1.65	LST			Very broken interval with orange-brown alteration or fractured surfaces and along seams following the FO. Both the uCN and lCN's are gradational with decreasing orange alteration for approximately 1 m in either direction.																	
			90.90	98.69	7.79	LST			Medium grey, MG LST with irregularly cross cutting Ca veinlets and white to dark grey spotted layers that are slightly vein-like in appearance. Altered light green-grey to light orange-brown alteration patches, increasing down interval. The altered areas are calcareous and soft. Disseminated Py occurs at the top of the interval and likely accounts for oxidized spotting towards the end of the interval.										t							

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			96.73	97.02	0.29	LST			Highly altered beige to light orange-brown zone trending ~ 30 deg TCA. It appears to be an alteration product of white-dark grey spotted Ca layer. This is followed by a blue-grey shiny layer which is most likely a VOL interbed.																		
			98.69	106.69	8.00	LST			MG, light to medium grey, fossiliferous LST with white-medium grey patches and layers throughout. Medium orange-brown alteration occurs as layers following FO and comprises approximately 10% of the interval. Small orange-brown disseminated spots may be OX Py or Po.																		
			98.69	98.76	0.07				uCN is broken and altered with Qz fragments, and SID and soft bright orange-yellow alteration thoughout.	uCN																	x
			106.00	107.88	1.88	LST	VOL		Dark grey-brown LST that is easily broken along FC plane. Small holes occurring on the surface give it a corroded appearance. Fractures are coated in a black sheen (high VOL/SLT content).																		
107.88	111.84	3.96				OX	VOL		Light orange-brown oxidized volcanic that is easily broken along the FO plane. Less altered surfaces are light green-grey with a fair sheen.	FO	45															
			108.97	111.84	2.87	VOL			Medium grey-brown, non-calcareous, increasingly competent and less altered VOL. Towards end of interval can see green-grey to orange-brown patche of alteration on FG black rock. Corroded spots and orange-brown altered calcareous rectangular spots may be broken up fossils.																	
			108.97	110.64	1.67	VOL			Very altered, friable interval of VOL, that grades into more cohesive core.																	
111.84	126.12	14.28				LST			Dark to medium grey, FG to CG, LST.																	
			111.84	113.03	1.19	LST	SIL	cBX	Dark grey, calcareous, silicified limestone, cBX by 1 mm Qz/Ca veinlets, mainly of which follow the FO. Orange brown altered layers also follow FO. Silicification occurs more intensely near the veinlets but is still fair in intensity in the unbrecciated areas.	FO	45							SIL	m								
			113.04	114.66	1.62	LST	SIL		Medium grey, MG, unfoliated, LST. SIL is moderately strong near veining. Decrease in the concentration of thin Qz/Ca veinlets but increase in the concentration of larger (~4 cm) veins that locally brecciate the unit.	VN			2					SIL	w								

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			114.66	115.01	0.35	LST	SIL	cBX	Thin Ca/Qz veinlets brecciate the rock and locally silicify it. FO defined by orange brown alteration in stringers with rounded unaltered clasts ~ 0.5 cm in diameter.	FO	45							SIL	w								
			115.01	115.92	0.91				Gradational contact into unaltered LST with Qz/Ca crackle veinlets.	uCN																
			115.01	118.69	3.68	LST	OX		Orange-beige to grey weakly oxidized limestone with light green-grey sheen of fractured surfaces. Overal the unit is very broken up but still quite calcareous.							w										
			118.69	121.31	2.62	LST	OX		Dark red-brown to green-grey, FO, moderately oxidized LST. Deep orange patches with vertical light grey Ca lines, are commonly found in white-dark grey spotted Ca patches. Some unaltered spotted Ca patches also occur within the interval. The core is broken up and some layers are corroded along the following FO planes.							m										
			121.31	126.12	4.81	LST			Foliated, locally cBX, mg light grey to dark grey with large zones of light grey and dark grey spotting. Orange to medium brown alteration.							w										
			122.15	122.40	0.25	LST	cBX		Orange altered LST is crackle brecciated by thin Ca veinlets. Unaltered LST occurs locally.							f										
			123.03	123.47	0.44	VOL			Light green-grey, non-calcareous VOL with orange Fe-alteration on platey fractured surfaces.																	
			123.47	126.12	2.65	LST			Medium brown patchy VOL rich layers occur within the LST and generally follow the foliation. Rubble occurs variably throughout.																	

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
126.12	156.57	30.45				LST		RBL	Mediumg to dark grey, FG-MG, highly foliated and strained, interbedded lime-mud and clastic event beds. The fine-grained 'muddy' limestone is most pervasive and contacts with event beds are cryptic due to highly folded and sheared foliations as well a highly broken rubbly broken core. Core rubble averages 10 cm in length with flakey to clay-gouge material in cm-intervals at fracture surfaces. The foliation contains wispy and folded 1-2 cm bands of rusty-orange to red fine-grained anhedral iron-oxide staining. Fossils occur mainly in event beds but are also pervasive, including abundant star crinoids, minor Favosites (honeycomb coral) and minor Rugosan horn corals. Wisps of oxide often form within fossil fragments and are weakly correlated to event beds, possibly linked to higher porosity in protolith? Trace fine-grained pyrite red in colour from oxidation occur within the oxidized portions.												t							
									152.00-156.70 m core is much more competent is lighter grey in colour, weakly marbleized with a sinuous foliation.	lCN								MBL	w							
									Elongation and strain of foliation is parallel to folc bends and elongated clasts.	FO	65																
156.57	159.00	2.43				LST	MBL	RBL	Light grey to slightly mottled highly marbleized limestone with minor original foliation and crinoid fragments present. The uCN contains 15 cm of orange rusty mud to coherent oxide with sharp contacts. Overall unit is fairly rubbly and breaks along foliation.	uCN						i		MBL	s							x
									Foliation defined by elongatred sheared fabric.	FO	70															
									Strongly oxidized orange-rusty coloured marleized limestone with 1-5 mm cross cutting Ca veinlets.	VN	70					s										

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
159.00	169.00	10.00				VOL			Forest green to slightly pale grey, FG-MG foliated volcaniclastic. The unit alternates between 5-20 cm intervals of lighter and darker areas due to abundance of white small elongated calcite clasts, some resemble crinoid stems and are strained. Pre-strained calcite veins are now folded and oriented along foliation, occasionally has fine-grained anhedral red specs (Sp?) and golden to dull fine mica bounding the veins. Small brown to pale red wisps occur within the volcanic. The unit is pervasively magnetic, containing fine to medium-grained anhedral magnetite crystals disseminated throughout. The deep green colour may be from chlorite alteration. The core is frequently broken along foliation with 1 mm-scale fault gouge smears on fractures.									CHL	m				Sp	t	Mg	m	x
									FG-MG elongated clasts of volcaniclastic and calcite veins as well as broken core.	FO	55																	
									Fine to medium-grained anhedral to euhedral calcite, 1 mm to 10 mm with golden dull brown mica at contacts.	VN	55	0	3												Sp	t	
169.00	173.13	4.13				VOL	CGL		Dark to pale grey magnetic conglomerate 1-4 cm long clasts that are elongated parallel to the foliation They are light to pale grey in colour with disseminated anhedral magnetite crystals throughout. The matrix is a cryptic with clastic fine to medium-grained grey magnetite rich material. The core is very broken along the foliation with 1 mm intervals of clay rich gouge common.																Mg	i	x
									The lCN gradually grades into a dark-grey fine grained clastic unit without large conglomerate clasts and significant decrease in magnetite.	LCN															Mg	w	
									Foliation is defined by elongated clasts of all sizec as well as fracturing of the core.	FO	55																
									Weak < 1mm calcire veinlets occur throughout.	VN	55	0	1														
			161.70	161.80	0.10				Grey clay gouge																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
173.13	193.43	20.30				VOL			Forest-green to slightly pale FG to MG foliated volcaniclastic. Green clasts are likely chlorite altered, while white clasts are elongated white, rounded, FG to CG calcite (possible crinoid stems). Core is broken throughout along foliation with 1 mm to 10 cm gouge intervals. Competent core occurs up to 50 cm sticks. The lCN is very gradational, interfingering with oxide gouge material for 8 m.							w						t							x
									Foliation is defined by elongate clasts, veinlets and fracture surfaces.	FO	55																	
									White anhedral to subhedral fine to coarse-grained calcite and minor quartz veins, that varies from 1-5 mm wide but up to 10 cm wide. They are associated with brown to rusty coloured wispy to blocky fine-grained material usually broken up by intruding fluids. The rusty coloured material is associated with disseminated fine-grained euhedral oxidized pyrite. Elongation is represented by boudined and folded veins. Some thin 1 mm veins appear to open at the upper axis of the foliation, indicating a bend in the vein followed by subsequent movement along the vein and space opening with fluid infill.	VN	55	0	2									t							x
									A few very thin 1 mm wide calcite veinlets with brown, rusty, anhedral material.	VT	40	180	0.2															
			187.00	188.86	1.86	VOL	OX		Rubbly, broken, flakey, orange to rusty coloured VOL with gouge coating on broken core segments.							i											
			190.70	191.30	0.60	VOL	OX		Orange-rusty to dark brown rubbly SID to LIM oxidized VOL.							i											
			192.94	193.43	0.49				Gradational lower contact from green volcanic to becoming orange and rusty and pitted and wisps of sericite occuring.	ICN								SER	w									x
193.43	197.51	4.08				VOL	OX		Light brown to pale yellow highly oxidized and sericitized volcaniclastic. All primary textures are cryptic due to intense oxidation. The unit is moderately foliated and slightly brittle yet fairly competent.							i		SER	m									
									Foliation is defined by fracturing and sericite altered zones.	FO	50																	
197.51	199.03	1.52				OX			Brown, coherent, oxidized, homogenous mud-like oxide. When broken it reveiles fine-sand sized particles with minor lithic clasts.							i											

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
199.03	212.80	13.77				MBL	OX	RBL	Gradational contact from oxide into rubbly marble. The oxide interfingers with marble until 202.00 m, after which it is completely marble. The marble is light-white to grey and foliated with presumed primary dissolution seams. Some oxide gouge occurs along fracture surfaces.							m											
									212.80 m - E.O.H. The hole was ended because it was through the targeted oxide and into the marble.	FO	45															

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-84

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
28.35	30.34	1.99	LST		1.65	83	I075456	27	<0.01	0.11	10	0.18	
30.34	33.38	3.04	VOL		2.85	94	I075457	27	<0.01	0.11	3	0.20	
33.38	35.97	2.59	VOL		2.59	100	I075458	27	0.01	<0.01	5	0.22	
35.97	39.01	3.04	VOL		2.88	95	I075459	27	<0.01	<0.01	3	0.11	
39.01	40.54	1.53	VOL		1.39	91	I075460	27	0.01	<0.01	2	0.41	
40.54	43.59	3.05	VOL		2.97	97	I075462	27	<0.01	0.02	8	0.07	
43.59	45.11	1.52	VOL		1.52	100	I075463	27	0.01	0.06	5	0.13	
45.11	47.10	1.99	VOL		1.86	93	I075464	27	<0.01	0.02	1	0.09	
47.10	48.16	1.06	VOL		0.85	80	I075466	27	<0.01	0.16	8	1.69	
48.16	50.31	2.15	VOL		1.99	93	I075467	27	0.01	<0.01	5	0.99	
50.31	52.73	2.42	LST		2.15	89	I075468	27	0.01	0.01	5	0.05	
101.50	104.55	3.05	LST		2.78	91	I075485	28	<0.01	0.06	14	0.23	Break in sequence
104.55	106.69	2.14	LST		2.14	100	I075486	28	<0.01	0.05	9	0.07	
106.69	107.88	1.19	LST		0.86	72	I075487	28	<0.01	0.15	30	0.10	
107.88	108.97	1.09	OX	VOL	0.93	85	I075488	28	<0.01	0.18	30	0.07	
108.97	110.64	1.67	OX	VOL	1.14	68	I075490	28	<0.01	0.15	5	0.05	
110.64	111.84	1.20	OX	VOL	1.18	98	I075491	28	0.01	0.26	44	0.51	
111.84	113.64	1.80	LST		1.17	65	I075495	28	<0.01	0.09	9	2.08	Break in sequence
113.64	115.01	1.37	LST		1.37	100	I075497	28	0.01	0.05	<5	0.08	
115.01	116.74	1.73	LST		1.31	76	I075498	28	0.01	0.11	13	3.08	
116.74	118.69	1.95	LST		1.56	80	I075499	28	0.01	0.07	<5	0.38	
118.69	119.79	1.10	LST		0.98	89	I075501	28	0.01	0.08	<5	0.13	
119.79	121.31	1.52	LST		1.46	96	I075502	28	0.01	0.07	<5	0.03	
121.31	123.03	1.72	LST		1.60	93	I075503	28	0.01	0.04	13	0.07	
123.03	125.88	2.85	LST		2.34	82	I075504	28	<0.01	<0.01	10	0.17	
151.00	154.00	3.00	LST		2.87	96	I075599	31	0.02	0.12	33	0.35	Break in sequence
154.00	156.57	2.57	LST		2.08	81	I075600	31	<0.01	0.05	18	0.26	
156.57	159.00	2.43	LST		1.91	79	I075601	31	<0.01	0.09	18	0.07	
159.00	162.00	3.00	VOL		2.71	90	I075687	33	<0.01	0.07	4	0.04	Break in sequence
162.00	165.00	3.00	VOL		2.95	98	I075688	33	<0.01	0.14	1	0.03	
165.00	167.00	2.00	VOL		1.91	96	I075689	34	<0.01	0.17	1	0.02	
167.00	169.00	2.00	VOL		1.72	86	I075690	34	0.01	0.24	1	0.03	
169.00	171.00	2.00	VOL		1.70	85	I075691	34	<0.01	0.20	2	0.03	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
171.00	173.13	2.13	VOL	Mg	1.92	90	I075692	34	<0.01	0.28	5	0.10	
173.13	176.00	2.87	VOL		2.48	86	I075694	34	<0.01	0.22	4	0.06	
176.00	179.00	3.00	VOL		2.64	88	I075695	34	<0.01	0.20	1	0.06	
179.00	182.00	3.00	VOL		2.87	96	I075696	34	<0.01	0.21	4	0.07	
182.00	185.00	3.00	VOL		2.37	79	I075697	34	<0.01	0.19	7	0.14	
185.00	187.00	2.00	VOL		1.77	89	I075698	34	0.01	0.15	4	0.29	
187.00	188.86	1.86	VOL		1.06	57	I075699	34	0.01	0.14	20	1.13	
188.86	190.70	1.84	VOL		1.49	81	I075701	34	<0.01	0.14	4	0.06	
190.70	191.30	0.60	VOL		0.55	92	I075702	34	0.01	0.16	145	0.29	
191.30	193.43	2.13	VOL		2.00	94	I075703	34	0.01	0.17	180	0.38	
193.43	195.99	2.56	VOL	OX	2.45	96	I075838	38	<0.01	0.19	698	1.20	Break in sequence
195.99	197.51	1.52	VOL	OX	1.52	100	I075839	38	0.01	0.17	810	0.56	
197.51	199.95	2.44	OX		1.36	56	I075840	38	0.03	0.53	4910	67.20	
199.95	200.56	0.61	MBL		0.49	80	I075841	38	0.01	0.50	2160	4.94	
200.56	201.63	1.07	MBL		1.00	93	I075843	38	0.02	0.22	1280	0.47	
201.63	202.08	0.45	MBL		0.25	56	I075844	38	0.02	0.39	867	0.51	
202.08	203.61	1.53	MBL		1.42	93	I075845	38	0.01	0.08	293	0.11	
203.61	205.13	1.52	MBL		1.40	92	I075846	38	0.01	0.09	399	0.10	
205.13	206.65	1.52	MBL		1.45	95	I075847	38	0.01	0.09	410	0.28	
39.01	40.54	1.53	VOL		1.39	91	I075461	27	0.01	<0.01	3	0.52	Duplicate
-	-	-	-	-	-	-	I075465	27	<0.01	<0.01	<5	0.02	Blank (HQ)
-	-	-	-	-	-	-	I075489	28	1.38	0.62	77	1.40	Standard ROS-2
-	-	-	-	-	-	-	I075496	28	<0.01	<0.01	<5	0.05	Blank (HQ)
-	-	-	-	-	-	-	I075500	28	8.55	20.90	7	1.27	Standard ROS-4
-	-	-	-	-	-	-	I075693	34	<0.01	0.01	<5	0.04	Blank (HQ)
-	-	-	-	-	-	-	I075700	34	0.39	6.67	1	1.08	Standard ROS-1
-	-	-	-	-	-	-	I075842	38	<0.01	0.01	7	0.05	Blank (HQ)
-	-	-	-	-	-	-	I075848	38	0.36	6.86	11	1.19	Standard ROS-1

GEOTECHNICAL LOG

HOLE: Rau-10-84

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour
3.05	3.96	0.91	0.91	100	0.30	33	MS	FR	
3.96	5.49	1.53	1.53	100	0.32	21	MS	FR	
5.49	7.01	1.52	1.37	90	0.41	27	MS	FR	
7.01	8.53	1.52	1.39	91	0.20	13	MS	SW	
8.53	10.06	1.53	1.53	100	0.00	0	MS	SW	
10.06	11.58	1.52	1.36	89	0.91	60	MS	SW	
11.58	13.11	1.53	1.53	100	0.89	58	MS	SW	
13.11	14.63	1.52	1.42	93	0.32	21	MS	SW	
14.63	16.15	1.52	1.50	99	1.09	72	MS	SW	
16.15	17.68	1.53	1.50	98	1.26	82	MS	SW	
17.68	19.20	1.52	1.40	92	0.14	9	MS	SW	
19.20	20.73	1.53	1.49	97	0.93	61	MS	SW	
20.73	22.25	1.52	1.52	100	0.86	57	MS	SW	
22.25	23.77	1.52	1.40	92	1.01	66	MS	SW	
23.77	25.30	1.53	1.53	100	0.69	45	S	SW	
25.30	26.82	1.52	1.52	100	1.05	69	S	SW	
26.82	28.35	1.53	1.50	98	1.28	84	MS	SW	
28.35	29.57	1.22	1.04	85	0.12	10	W	SW	
29.57	31.09	1.52	1.31	86	0.89	59	MS	SW	
31.09	31.85	0.76	0.67	88	0.15	20	MS	SW	
31.85	33.38	1.53	1.50	98	1.17	76	S	SW	
33.38	34.44	1.06	1.06	100	0.87	82	S	SW	
34.44	35.97	1.53	1.53	100	1.47	96	MS	SW	
35.97	37.49	1.52	1.50	99	1.41	93	MS	SW	
37.49	39.01	1.52	1.40	92	0.40	26	MS	SW	
39.01	40.54	1.53	1.20	78	0.14	9	MS	SW	
40.54	42.06	1.52	1.52	100	1.27	84	MS	SW	
42.06	43.59	1.53	1.43	93	1.24	81	MS	SW	
43.59	45.11	1.52	1.48	97	0.00	0	MS	SW	
45.11	46.63	1.52	1.45	95	1.18	78	MS	SW	
46.63	48.16	1.53	1.42	93	0.72	47	MS	SW	
48.16	49.68	1.52	1.20	79	0.25	16	MS	SW	
49.68	51.21	1.53	1.39	91	0.84	55	MS	SW	
51.21	52.73	1.52	1.44	95	0.74	49	MS	SW	
52.73	54.25	1.52	1.43	94	0.15	10	MS	SW	
54.25	55.78	1.53	1.32	86	0.18	12	MS	SW	
55.78	57.30	1.52	1.52	100	1.17	77	MS	SW	
57.30	58.83	1.53	1.53	100	1.53	100	MS	SW	
58.83	60.35	1.52	1.52	100	1.45	95	MS	SW	
60.35	61.87	1.52	1.39	91	1.39	91	MS	SW	
61.87	63.40	1.53	1.52	99	1.52	99	MS	SW	
63.40	64.92	1.52	1.47	97	1.20	79	S	SW	
64.92	66.45	1.53	1.53	100	1.14	75	MS	SW	
66.45	67.97	1.52	1.31	86	1.31	86	MS	SW	
67.97	69.49	1.52	1.52	100	1.00	66	MS	SW	
69.49	71.02	1.53	1.39	91	1.39	91	MS	SW	
71.02	72.54	1.52	1.52	100	1.11	73	MS	SW	
72.54	74.07	1.53	1.51	99	1.51	99	MS	SW	
74.07	75.59	1.52	1.52	100	1.52	100	MS	SW	
75.59	77.11	1.52	1.51	99	1.51	99	MS	FR	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour
77.11	78.64	1.53	1.53	100	1.48	97	MS	SW	
78.64	80.16	1.52	1.39	91	0.99	65	S	SW	
80.16	81.69	1.53	1.52	99	0.96	63	MS	SW	
81.69	83.21	1.52	1.48	97	1.41	93	MS	SW	
83.21	84.73	1.52	1.52	100	1.49	98	MS	SW	
84.73	86.26	1.53	1.51	99	1.18	77	S	SW	
86.26	87.78	1.52	1.52	100	1.41	93	MS	SW	
87.78	89.31	1.53	1.28	84	0.37	24	MS	SW	
89.31	90.83	1.52	1.52	100	0.95	63	MS	SW	
90.83	92.35	1.52	1.52	100	1.52	100	MS	SW	
92.35	93.88	1.53	1.53	100	1.26	82	MS	SW	
93.88	95.40	1.52	1.43	94	1.22	80	MS	SW	
95.40	96.93	1.53	1.53	100	1.01	66	MS	SW	
96.93	98.45	1.52	1.42	93	1.42	93	MS	SW	
98.45	99.97	1.52	1.52	100	0.65	43	MS	SW	
99.97	101.50	1.53	1.35	88	1.16	76	MS	SW	
101.50	103.02	1.52	1.52	100	0.93	61	MS	SW	
103.02	104.55	1.53	1.43	93	1.13	74	MS	SW	
104.55	106.07	1.52	1.52	100	0.82	54	MS	SW	
106.07	107.59	1.52	1.47	97	0.70	46	MS	MW	
107.59	109.12	1.53	1.12	73	0.00	0	W	HW	
109.12	110.64	1.52	1.11	73	0.00	0	W	HW	
110.64	112.17	1.53	1.46	95	0.56	37	MS	MW	
112.17	113.69	1.52	1.13	74	0.70	46	MS	SW	
113.69	115.21	1.52	1.40	92	1.08	71	MS	SW	
115.21	116.74	1.53	1.20	78	0.50	33	MS	HW	
116.74	118.26	1.52	1.16	76	0.25	16	MS	HW	
118.26	119.79	1.53	1.36	89	0.24	16	MS	HW	
119.79	121.31	1.52	1.47	97	0.12	8	MS	MW	
121.31	122.83	1.52	1.40	92	0.73	48	MS	SW	
122.83	124.36	1.53	1.36	89	0.00	0	W	SW	
124.36	125.88	1.52	1.48	97	0.34	22	MS	MS	
125.88	127.41	1.53	1.48	97	0.95	62	MS	SW	
127.41	128.93	1.52	1.52	100	1.03	68	MS	SW	
128.93	130.45	1.52	1.34	88	0.73	48	MS	SW	
130.45	131.98	1.53	1.40	92	0.67	44	MS	SW	
131.98	133.05	1.07	1.03	96	0.34	32	MS	SW	
133.05	134.56	1.51	1.23	81	0.35	23	MS	SW	
134.56	136.25	1.69	1.37	81	0.40	24	MS	SW	
136.25	137.92	1.67	1.39	83	0.42	25	MS	SW	
137.92	139.60	1.68	1.43	85	0.12	7	W	SW	
139.60	141.12	1.52	1.06	70	0.00	0	MS	SW	
141.12	142.65	1.53	1.44	94	0.55	36	W	SW	
142.65	144.17	1.52	1.45	95	0.00	0	W	MW	
144.17	145.69	1.52	1.24	82	0.00	0	W	MW	
145.69	147.22	1.53	1.31	86	0.13	8	W	SW	
147.22	148.74	1.52	1.11	73	0.14	9	MS	MW	
148.74	150.27	1.53	1.22	80	0.00	0	MS	MW	
150.27	151.79	1.52	1.52	100	0.28	18	MS	MW	
151.79	153.31	1.52	1.47	97	1.01	66	MS	SW	
153.31	154.84	1.53	1.41	92	0.41	27	MS	SW	
154.84	156.36	1.52	1.26	83	0.15	10	MS	SW	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour
156.36	157.89	1.53	1.22	80	0.58	38	MS	MW	
157.89	159.41	1.52	1.33	87	0.24	16	MS	MW	
159.41	160.93	1.52	1.33	87	0.65	43	MS	SW	
160.93	162.46	1.53	1.51	99	1.22	80	MS	FR	
162.46	163.98	1.52	1.52	100	0.87	57	MS	FR	
163.98	165.51	1.53	1.43	93	1.29	84	MS	FR	
165.51	167.03	1.52	1.43	94	1.14	75	MS	FR	
167.03	168.55	1.52	1.30	86	0.43	28	MS	SW	
168.55	170.08	1.53	1.18	77	0.00	0	MS	SW	
170.08	171.60	1.52	1.43	94	0.00	0	MS	SW	
171.60	173.13	1.53	1.50	98	0.26	17	MS	SW	
173.13	174.65	1.52	1.29	85	0.15	10	MS	SW	
174.65	176.17	1.52	1.49	98	0.00	0	MS	SW	
176.17	177.70	1.53	1.10	72	0.88	58	MS	SW	
177.70	179.22	1.52	1.52	100	0.95	62	MS	SW	
179.22	180.75	1.53	1.47	96	1.06	69	S	SW	
180.75	182.27	1.52	1.52	100	1.20	79	S	SW	
182.27	183.79	1.52	1.25	82	0.92	61	MS	SW	
183.79	185.32	1.53	1.46	95	0.40	26	MS	SW	
185.32	186.84	1.52	1.34	88	0.62	41	MS	SW	
186.84	188.37	1.53	1.04	68	0.00	0	W	SW	
188.37	189.89	1.52	1.18	78	0.91	60	MS	SW	
189.89	191.41	1.52	1.26	83	0.15	10	W	HW	
191.41	192.94	1.53	1.47	96	0.23	15	MS	HW	
192.94	194.46	1.52	1.38	91	0.00	0	MS	EW	10YR6/6
194.46	195.99	1.53	1.19	78	0.00	0	W	EW	10YR6/8 and 10YR5/2
195.99	197.51	1.52	1.52	100	0.00	0	W	EW	10YR6/6
197.51	199.03	1.52	1.45	95	0.00	0	EW	EW	
199.03	199.64	0.61	0.10	16	0.00	0	W	HW	
199.64	199.95	0.31	0.08	26	0.00	0	W	HW	
199.95	200.56	0.61	0.29	48	0.00	0	W	HW	
200.56	201.63	1.07	0.88	82	0.13	12	VW	HW	
201.63	202.08	0.45	0.32	71	0.00	0	W	HW	
202.08	203.61	1.53	1.01	66	0.12	8	W	HW	
203.61	205.13	1.52	1.29	85	0.41	27	MS	MW	
205.13	206.65	1.52	1.52	100	0.44	29	W	MW	
206.65	207.59	0.94	0.35	37	0.00	0	MS	MW	
207.59	208.17	0.58	0.10	17	0.00	0	MS	MW	
208.17	209.70	1.53	1.26	82	0.21	14	MS	MW	
209.70	211.23	1.53	1.35	88	0.10	7	W	HW	
211.23	212.75	1.52	1.52	100	0.00	0	MS	MW	
212.75	E.O.H.								

GEOTECHNICAL LOG

Comments

GEOTECHNICAL LOG

Comments

GEOTECHNICAL LOG

Comments
OXIDE
OXIDE
OXIDE

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-84

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	OVB		NA	
2.00	OVB		NA	
3.00	OVB		0.00	
4.00	LST		0.05	
5.00	LST		0.00	
6.00	LST		0.00	
7.00	LST		0.03	
8.00	LST		0.01	
9.00	LST		0.00	
10.00	LST		0.00	
11.00	LST		0.00	
12.00	LST		0.00	
13.00	LST		0.08	
14.00	LST		0.06	
15.00	LST		0.00	
16.00	LST		0.00	
17.00	LST		0.00	
18.00	LST	SLT	0.00	
19.00	LST	SLT	0.00	
20.00	LST	SLT	0.00	
21.00	LST	SLT	0.00	
22.00	LST		0.06	
23.00	LST		0.00	
24.00	LST		0.01	
25.00	LST		0.03	
26.00	LST		0.00	
27.00	LST		0.00	
28.00	LST		0.00	
29.00	LST		0.15	
30.00	LST		4.18	
31.00	VOL		1.12	
32.00	VOL		1.24	
33.00	VOL		1.09	
34.00	VOL		0.97	
35.00	VOL		0.90	
36.00	VOL		1.15	
37.00	VOL		0.68	
38.00	VOL		0.78	
39.00	VOL		0.67	
40.00	VOL	SER	0.58	
41.00	VOL		0.68	
42.00	VOL		0.68	
43.00	VOL	SER	0.73	
44.00	VOL	SER	0.78	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	VOL	SER	0.73	
46.00	VOL	CGL	0.48	
47.00	VOL	CGL	0.58	
48.00	VOL		0.40	
49.00	VOL		0.78	
50.00	VOL		0.36	
51.00	LST	MBL	0.00	
52.00	LST	MBL	0.03	
53.00	LST		0.15	
54.00	LST		0.13	
55.00	LST		0.18	
56.00	LST	MBL	0.00	
57.00	LST	MBL	0.00	
58.00	LST	MBL	0.00	
59.00	LST	MBL	0.00	
60.00	LST	MBL	0.00	
61.00	LST	MBL	0.01	
62.00	LST	MBL	0.00	
63.00	LST	MBL	0.08	
64.00	LST	MBL	0.00	
65.00	LST	MBL	0.00	
66.00	LST	MBL	0.00	
67.00	LST	MBL	0.00	
68.00	LST	MBL	0.01	
69.00	LST		0.00	
70.00	LST		0.77	
71.00	LST		0.10	
72.00	LST		0.00	
73.00	LST		0.13	
74.00	LST		0.10	
75.00	LST		0.08	
76.00	LST		0.80	
77.00	LST		1.19	
78.00	LST		1.42	
79.00	LST		0.89	
80.00	LST		0.92	
81.00	LST		0.31	
82.00	LST		0.00	
83.00	LST		0.75	
84.00	LST		0.11	
85.00	LST		0.84	
86.00	LST		0.52	
87.00	LST		0.31	
88.00	LST		0.36	
89.00	LST		0.00	
90.00	LST		0.90	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	LST		0.03	
92.00	LST		0.00	
93.00	LST		0.08	
94.00	LST		0.00	
95.00	LST		0.00	
96.00	LST		0.18	
97.00	LST		0.03	
98.00	LST		0.00	
99.00	LST		0.00	
100.00	LST		0.00	
101.00	LST		0.00	
102.00	LST		0.00	
103.00	LST		0.00	
104.00	LST		0.00	
105.00	LST		0.00	
106.00	LST	VOL	0.00	
107.00	LST	VOL	0.18	
108.00	OX	VOL	0.00	
109.00	VOL		0.23	
110.00	VOL		0.01	
111.00	VOL		0.00	
112.00	LST	SIL	0.03	
113.00	LST	SIL	0.00	
114.00	LST	SIL	0.00	
115.00	LST	SIL	0.00	
116.00	LST	OX	0.33	
117.00	LST	OX	0.08	
118.00	LST	OX	0.05	
119.00	LST	OX	0.26	
120.00	LST	OX	0.23	
121.00	LST	OX	0.11	
122.00	LST		0.00	
123.00	LST		0.11	
124.00	LST		0.00	
125.00	LST		0.05	
126.00	LST		0.00	
127.00	LST		0.00	
128.00	LST		0.00	
129.00	LST		0.00	
130.00	LST		0.00	
131.00	LST		0.01	
132.00	LST		0.00	
133.00	LST		0.00	
134.00	LST		0.00	
135.00	LST		0.00	
136.00	LST		0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	LST		0.00	
138.00	LST		0.03	
139.00	LST		0.00	
140.00	LST		0.00	
141.00	LST		0.00	
142.00	LST		0.00	
143.00	LST		0.01	
144.00	LST		0.00	
145.00	LST		0.00	
146.00	LST		0.00	
147.00	LST		0.00	
148.00	LST		0.00	
149.00	LST		0.00	
150.00	LST		0.10	
151.00	LST		0.00	
152.00	LST		0.00	
153.00	LST		0.00	
154.00	LST		0.00	
155.00	LST		0.00	
156.00	LST		0.00	
157.00	MBL	OX	0.00	
158.00	MBL	OX	0.00	
159.00	MBL	OX	2.13	
160.00	VOL		6.46	
161.00	VOL		8.29	
162.00	VOL		21.90	
163.00	VOL		23.70	
164.00	VOL		46.00	
165.00	VOL		45.60	
166.00	VOL		42.90	
167.00	VOL		36.60	
168.00	VOL		35.40	
169.00	VOL		30.20	
170.00	CGL		86.40	in faulty like zone
171.00	CGL		34.10	
172.00	CGL		14.70	
173.00	CGL		0.82	
174.00	VOL		2.35	
175.00	VOL		0.43	
176.00	VOL		0.43	
177.00	VOL		0.33	
178.00	VOL		0.47	
179.00	VOL		0.38	
180.00	VOL		0.38	
181.00	VOL		0.50	
182.00	VOL		0.42	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00	VOL		0.13	
184.00	VOL		0.28	
185.00	VOL		0.40	
186.00	VOL		0.18	
187.00	VOL	OX	0.31	
188.00	VOL	OX	0.36	
189.00	VOL	OX	0.21	
190.00	VOL	OX	0.30	
191.00	VOL	OX	0.11	
192.00	VOL		0.52	
193.00	VOL		0.18	
194.00	VOL	OX	0.21	
195.00	VOL	OX	0.13	
196.00	VOL	OX	0.00	
197.00	VOL	OX	0.10	
198.00	OX		0.00	
199.00	OX		0.08	
200.00	MBL	OX	0.00	
201.00	MBL	OX	0.02	
202.00	MBL	OX	0.06	
203.00	MBL		0.00	
204.00	MBL		0.00	
205.00	MBL		0.00	
206.00	MBL		0.00	
207.00	MBL		0.00	
208.00	MBL		0.00	
209.00	MBL		0.00	
210.00	MBL		0.23	
211.00	MBL		0.00	
212.00	MBL		0.03	

DENSITY LOG

HOLE: Rau-10-84

Depth (m)	Unit	Modifier	MINERALS				Comments	Length (cm)	Diameter (cm	Dry weight	Wet Weight	Density	Specific Gravity
			Py %	As %	Other	%							
11.00	LST		t				Mg TEXTURE	14.2	6.1	1134.3	718.5	2.76	2.73
15.00	LST						Mg TEXTURE	14.9	6.1	1181.4	743.4	2.74	2.70
46.30	VOL						pebble conglomerate	14.8	6.1	1238.3	805.5	2.89	2.86
62.15	LST	MBL					dissolution seams	14.9	6.1	1180.5	745.1	2.74	2.71
71.20	LST	FOS					banded	14.5	6.1	1186.7	755.9	2.83	2.75
101.11	LST				Po	t		15.0	6.1	1175.5	731.7	2.71	2.65
127.85	LST							14.1	6.1	1108.9	721.2	2.72	2.86
141.36	LST		t					13.4	6.1	988.9	608.3	2.55	2.60

BOX LOG

HOLE: Rau-10-84

BOX	FROM (m)	TO (m)
1	3.09	6.00
2	6.00	9.63
3	9.63	13.13
4	13.13	16.94
5	16.94	20.51
6	20.51	24.21
7	24.21	28.18
8	28.18	31.77
9	31.77	35.40
10	35.40	39.13
11	39.13	42.82
12	42.82	46.63
13	46.63	50.18
14	50.18	54.18
15	54.18	57.83
16	57.83	61.71
17	61.71	65.58
18	65.58	69.15
19	69.15	72.54
20	72.54	76.30
21	76.30	80.16
22	80.16	83.89
23	83.89	87.78
24	87.78	91.52
25	91.52	95.40
26	95.40	99.01
27	99.01	102.78
28	102.78	106.40
29	106.40	110.64
30	110.64	114.62
31	114.62	118.69
32	118.69	122.66
33	122.66	126.12
34	126.12	129.85
35	129.85	133.05
36	133.05	137.00
37	137.00	141.42
38	141.42	144.89
39	144.89	148.74
40	148.74	152.28
41	152.28	156.19
42	156.19	159.92
43	159.92	163.84
44	163.84	167.37
45	167.37	171.22
46	171.22	174.65
47	174.65	178.66
48	178.66	182.22
49	182.22	186.08
50	186.08	190.15
51	190.15	193.80
52	193.80	197.51
53	197.51	202.21
54	202.21	205.60
55	205.60	210.00
56	210.00	212.80
212.80 m: E.O.H.		

RAU PROPERTY

	Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
ZONE: Oxide	10+080NW	10+009NE	528445	7119110	1257	97.54

SECTION: 10+080NW

HOLE: **Rau-10-85**

CLAIM: Rau-97f

Contractor: Superior

Drill: 2

Core size: HQ

Casing depth: 21.35 m out

Drilling dates: June 21-23, 2010

Geology logged by: K. Wynne

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-60.0	compass	82.30	232	-61.2	ranger
36.58	232	-60.5	ranger	97.54	233	-61.6	ranger
51.82	233	-60.4	ranger				
67.06	231	-60.7	ranger				

TARGET: Tiger Oxide for density survey

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	3.96	3.96	OVB	
3.96	9.14	5.18	TIL	
9.14	12.69	3.55	DOL	Oxidized dolomite and ankorite
12.69	24.38	11.69	LST	Oxidized and dolomitized
24.38	28.72	4.34	DOL	Oxidized and brecciated.
28.72	47.00	18.28	LST	Oxidized and dolomitized.
47.00	54.71	7.71	OX	Clay to rubble.
54.71	58.40	3.69	LST	Dolomite and ankorite altered, oxidized.
58.40	72.75	14.35	OX	Clay to rubble.
72.75	96.80	24.05	MBL	Oxidized, with limestone interval.
96.80	97.54	0.74	LST	Orange-brown alteration on foliation.
97.54	E.O.H.			

SAMPLES

Numbers: I075299-I075364

Total: 66

Batch: 23, 24

Date Sent: June 25, 26, 2010

Certificate: VA10087226, VA10089855

COMMENTS

The hole was ended because it was past the targeted oxide horizon and into the MBL. The hole was lined with PVC to be used in a later downhole gravity survey.

GEOLOGY LOG

HOLE: Rau-10-85

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	Photo
0.00	3.96	3.96				OVB																					
3.96	9.14	5.18				TIL			Dark brown clay to silt with ~1 cm diameter pebbles.																		
9.14	12.69	3.55				DOL	OX		Orange-grey DOL with moderately strong ANK alteration. Trace FG-MG brassy gold Py is disseminated along the following FO, while trace dark grey-silver MG As is disseminated throughout.						ms	m				t	t						
			10.67	11.60	0.93	OX	GRT		Dark red-brown clay to grit							i											
12.69	24.38	11.69				LST	DOL		Variably DOL LST, highly oxidized and broken at top of interval, grading into more dolomitized and less oxidized LST down interval.					m		f											
			12.69	21.12	8.43	LST	OX		Light orange grey DOL LST with FO defined by orange-brown alteration seams and fracture coatings which are associated with trace SID. It is calcareous in patches, and contains trace FG-MG Py in thin stringers as well as disseminated throughout. Trace MG As is disseminated throughout. OX on fractures and pervasive through core, associated with t SID.	FO	40			f	f	ms	t										
			13.60	15.24	1.64	OX			Orange-brown to dark brown clay to rubbly oxide..							i											
			17.00	18.04	1.04	OX			Light orange brown to dark brown grit to rubbly oxide.							s											
			21.12	24.38	3.26	LST	DOL	cBX	Medium grey DOL LST with dark grey to red-brown crackle seams throughout. Some orange colouration occurs near the red-brown seams. Low angle Ca veinlets cause mBX of the unit. These veins are slightly vuggy, and rim the clasts and coat them in dark purple-brown SID alteration which fizzes strongly. mBX clasts are up to 3 cm in diameter and are subangular. Trace Py is disseminated throughout.	VN	4			ms			w			t						
24.38	28.72	4.34	24.38	26.37	1.99	DOL		cBX	White to light orange CG dolomite, with outlining medium grey seams forming a moderate cBX texture. Sparry DOL veinlets are displaced by cBX. Light orange brown alteration of seams and crystal boundaries may be ANK or OX.						t	t				t							

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			26.37	28.72	2.35	DOL			Increased OX and ANK alteration of DOL. Cavities that occur within veins and fractures are ms OX. FG MG Py mineralization is concentrated on black stringers following the FO.	FO	55				f	f											
									Very low angle DOL veinlets with offshoots at 40 degrees TCA may indicate a direction of stress.	VT	40																
28.72	47.00	18.28				LST	OX		Light grey LST with large portion of interval intensely OX. FG to MG disseminated OX Py. Some of interval is m DOL altered, w overall. Ca is MG to CG.					w		ms										
			30.20	30.48	0.28	OX			Medium brown semi-cohesive clay to grit.							i										
			31.35	31.88	0.53	OX			Medium brown to dark purple-black clay to grit.							i	m									
			33.54	33.59	0.05				Coarse crystalline Ca veinlet, 3 cm wide	VN	45																
			34.05	34.90	0.85	OX			Medium orange-brown to black grit and very corroded core.							s	ms									
			35.15	35.89	0.74	OX			Medium orange-brown to black clay to grit with small cohesive pieces.							i	ms									
			35.89	37.30	1.41	OX			Cohesive orange brown core with dark brown MG subhedral disseminated spots (OX Py).							m										
			38.50	42.97	4.47	LST	OX	cBX	Mostly cohesive light orange-brown, CG, DOL and ANK altered LST with small vugs throughout. Many of these vugs are still rimmed by Ca and appear to be the dissolution of single Ca crystals. Variably weak to moderately strong OX, with increased vugs and intervals of grit to rubble in orange brown to dark brown OX zones. Medium brown cBX seams are visible in weakly oxidized zones.					m	f	m												
			42.97	47.00	4.03	OX	LST		Dark orange-brown, fizzy, broken core with small holes in core surface associated with dark brown colouration. Lighter orange-brown spotting may be OX Py. Interval becomes increasingly black downhole.							i										
									Thin Ca veinlet set, may be following FO (too oxidized to tell).	VN	55																
47.00	54.71	7.71	47.00	49.20	2.20	OX			Non-calcareous, cohesive but easily crumbled red to medium orange-brown clay to rubble with trace talc locally.							i										
			49.20	54.71	5.51	OX			Fizzy, medium orange brown to dark brown, largely solid core with intervals of cohesive clay to grit, and incohesive clay to rubble. Rubble sections appear dark brown. Quartz fragments with within.							i										

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other				Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
54.71	58.40	3.69				LST	OX		Very DOL/ANK orange grey altered LST with CG DOL areas occurring within . Dark brown spots following possible FO may be OX Py.	FO	55			s	m	m										
			55.85	56.39	0.54	OX			Dark orange-brown rubble to grit with <10 cm long core pieces and poor recovery.																	
58.40	72.75	14.35				OX			Intensely OX dark brown to medium orange-brown incohesive to semi-cohesive clay to rubble.							i										
			58.40	61.04	2.64	OX	GRT		Orange-brown to purple-black clay to rubble, predominantly silt to grit sized, doesn't hold core shape well and is non-calcareous.							i	ms									
			61.04	63.10	2.06	OX			Medium orange-brown, semi-cohesive (holds core shape) non-calcareous clay to grit, with medium to light oreange brown bands.							i	ms									
			63.20	66.20	3.00	OX	GRT		Very dark brown to black with medium orange brown spots. Clay to rubble, mostly grit. Semi-cohesive to incohesive rubble zones. Becomes more orange-brown mottled down hole and grades into orange brown interval. Doesn't fizz.							i	ms									
			66.20	68.58	2.38	OX	GRT		Bright orange-brown non-calcareous clay to rubble (mostly grit) OX with dark purple brown spots throughout.							i	f									
			68.58	69.10	0.52	OX			Medium brown, slightly calcareous wet clay to rubble with a muddy texture. Very poor recovery.							i										
			69.10	71.63	2.53	OX	GRT		Dark brown to bright orange clay to rubble, generally gritty and incohesive.							i	m									
			71.63	72.75	1.12	OX	SLT		Dark red-brown non-calcareous semi-cohesive clay to grit, (generally silt). The lCN with marble is very sharp.																	
72.75	96.80	24.05	72.75	76.40	3.65	MBL	OX		White to light pink MG marble with intense OX intervals up to 40cm long, of dark brown calcareous clay to rubble. The last 60 cm are oxidized, strongly calcareous, cohesive material with OX Py defining FO. Most of marble is very broken and fractures are covered in dark brown OX.							ms										
			76.40	77.72	1.32	OX	CLY		Semi-cohesive bright orange-brown to dark brown non-calcareous clay to grit.							i										

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			77.72	83.38	5.66	MBL	OX		Broken, white to light pink MBL with OX intervals up to 40cm long, clay to rbl, mostly grit. Semi-cohesive to incohesive. MBL pieces found within OX zones and MBL has voids. Sharp contacts between MBL and Ox.							ms												
			83.38	86.61	3.23	OX	LST		Orange-brown to yellow-brown OX, with dark brown spots. Semi-cohesive with ~40 cm intervals of calcareous fairly oxidized orange brown OX with black stringers and zones (ANK/DOL altered LST with silty zone?) which define possible FO. OX is mainly clay to rubble in composition.	FO	55																
			86.61	90.00	3.39	MBL	SER		White-grey MBL with ~1 cm thick SER (light beige) interbeds and trace FG Py disseminated throughout Voids in core and noted by drillers.	FO	60							SER	w	t						
			90.00	90.90	0.90	OX	GRT		Medium orange-brown poorly recovered clay to gri (mostly silt) with some platy textures (possibly SER).																	
			90.90	91.52	0.62	LST	cBX		DOL/ANK altered cBX LST consisting of medium grey to light orange angular <3 cm clasts brecciated by medium grey crackle seams and yellow-white Ca. Medium grey-brown clay and silt occurs on fractured surfaces.					f	w												
			91.52	91.81	0.29	OX	CLY		Medium orange-brown to dark brown clay to grit OX holding core shape. Breccia texture remnant in clay particles as light yellow clasts with dark brown-grey matrix.																	
			91.81	96.80	4.99	MBL	SER		White to light grey MBL with irregular SER layers associated with trace vFG to FG Py. Increased SER and Py toward lower contact. ICN has irregular Ca veins and blebs, and orange altered grey stringers.									SER	f	t						
96.80	97.54	0.74				LST			Medium grey limestone with orange brown alteration on fractures and following FO in dark grey layers.	FO	55															
									97.54 m - E.O.H. The hole was ended because it was past the targeted oxide horizon and into the lower marble.																	

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-85

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
9.14	10.67	1.53	DOL	OX	0.25	16	I07299	23	0.15	0.15	544	23.50	
10.67	12.19	1.52	DOL	OX	1.47	97	I07300	23	0.50	3.12	9680	77.90	
12.19	13.72	1.53	LST	OX	1.15	75	I07301	23	0.17	4.99	3560	46.30	
13.72	15.24	1.52	LST	OX	1.12	74	I07302	23	0.62	5.53	12050	52.20	
15.24	16.76	1.52	LST	OX	1.15	76	I07303	23	0.54	3.85	4630	21.30	
16.76	18.24	1.48	LST	OX	1.21	82	I07304	23	0.19	5.89	12800	28.00	
18.24	19.81	1.57	LST	OX	1.52	97	I07305	23	0.13	1.63	3730	22.70	
19.81	21.34	1.53	LST	OX	1.38	90	I07306	23	0.20	20.80	10000	343.00	
21.34	22.86	1.52	LST	OX	1.50	99	I07307	23	0.02	0.67	1040	6.56	
22.86	24.38	1.52	LST	OX	1.50	99	I07308	23	0.04	0.74	2800	9.18	
24.38	25.91	1.53	DOL	OX	1.51	99	I07309	23	0.01	0.27	236	1.58	
25.91	27.43	1.52	DOL	OX	1.40	92	I07310	23	0.03	1.42	432	39.20	
27.43	28.96	1.53	DOL	OX	1.35	88	I07311	23	0.13	4.30	1920	44.90	
28.96	30.48	1.52	LST	OX	1.45	95	I07312	23	0.03	1.05	2080	13.35	
30.48	32.00	1.52	LST	OX	1.45	95	I07313	23	0.11	9.76	4330	274.00	
32.00	33.53	1.53	LST	OX	1.47	96	I07315	23	0.10	5.72	2380	39.30	
33.53	35.05	1.52	LST	OX	1.20	79	I07316	23	0.09	2.53	4550	17.20	
35.05	36.58	1.53	LST	OX	1.29	84	I07318	23	0.25	3.10	11800	23.10	
36.58	38.10	1.52	LST	OX	1.37	90	I07319	23	1.95	2.13	5990	76.80	
38.10	39.62	1.52	LST	OX	1.51	99	I07320	23	0.11	0.77	3510	6.00	
39.62	41.15	1.53	LST	OX	1.18	77	I07321	23	0.11	0.79	4000	7.59	
41.15	42.67	1.52	LST	OX	1.00	66	I07323	23	0.07	0.75	3710	12.40	
42.67	44.20	1.53	LST	OX	1.15	75	I07324	23	0.81	2.73	7360	88.60	
44.20	45.72	1.52	LST	OX	1.09	72	I07325	23	0.06	0.65	4280	319.00	
45.72	47.24	1.52	LST	OX	0.78	51	I07327	23	0.06	0.70	5760	100.50	
47.24	48.77	1.53	OX		1.13	74	I07329	24	0.16	12.60	19550	134.50	
48.77	50.29	1.52	OX		1.30	86	I07331	24	0.28	0.96	6730	742.00	
50.29	51.82	1.53	OX		1.09	71	I07332	24	0.14	7.94	4690	933.00	
51.82	53.34	1.52	OX		1.52	100	I07333	24	0.15	7.75	4740	362.00	
53.34	54.86	1.52	OX		1.50	99	I07334	24	0.21	5.52	5850	591.00	
54.86	56.39	1.53	LST	DOL	1.00	65	I07335	24	0.11	7.23	1380	88.50	
56.39	57.91	1.52	LST	DOL	1.18	78	I07336	24	0.05	0.86	1240	8.15	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
57.91	59.44	1.53	LST	DOL	1.15	75	I07337	24	0.56	10.85	15950	354.00	
59.44	60.96	1.52	OX		0.80	53	I07338	24	1.31	12.20	26400	426.00	
60.96	62.48	1.52	OX		1.01	66	I07339	24	5.05	38.60	27900	7500.00	
62.48	64.01	1.53	OX		1.15	75	I07341	24	0.58	6.07	26100	2400.00	
64.01	65.53	1.52	OX		1.08	71	I07342	24	0.08	1.81	18700	28.90	
65.53	67.06	1.53	OX		0.06	4	I07343	24	0.08	1.24	18450	16.85	
67.06	68.58	1.52	OX		1.29	85	I07344	24	0.06	0.70	18150	8.60	
68.58	70.10	1.52	OX		0.40	26	I07346	24	0.40	3.80	16600	141.00	
70.10	71.62	1.52	OX		0.48	32	I07347	24	0.53	2.36	21900	950.00	
71.62	72.75	1.13	OX		0.80	71	I07348	24	0.37	1.72	20200	378.00	
72.75	74.68	1.93	MBL		1.55	80	I07349	24	0.09	0.18	2570	14.70	
74.68	76.40	1.72	MBL		1.33	77	I07350	24	0.07	0.29	2040	461.00	
76.40	77.72	1.32	MBL		1.09	83	I07351	24	1.04	1.60	25600	363.00	
77.72	79.25	1.53	MBL		1.39	91	I07352	24	0.39	0.46	7170	53.60	
79.25	80.77	1.52	MBL		1.06	70	I07353	24	0.50	0.50	7650	71.30	
80.77	82.30	1.53	MBL		0.88	58	I07354	24	1.58	1.22	16550	277.00	
82.30	83.38	1.08	MBL		0.68	63	I07355	24	0.16	0.09	1060	7.48	
83.38	85.34	1.96	MBL		1.43	73	I07356	24	1.26	2.83	15050	241.00	
85.34	86.61	1.27	MBL		0.95	75	I07357	24	1.17	2.34	15000	87.80	
86.61	88.39	1.78	MBL		0.94	53	I07359	24	0.09	0.12	588	2.48	
88.39	89.92	1.53	MBL		1.30	85	I07360	24	0.03	0.05	104	0.60	
89.92	91.81	1.89	MBL		1.09	58	I07361	24	0.74	0.86	3240	4.59	
91.81	94.49	2.68	MBL		2.54	95	I07362	24	0.01	0.04	18	0.35	
94.49	97.54	3.05	MBL		2.91	95	I07363	24	0.01	0.09	34	0.50	
-	-	-	-	-	-	-	I07314	23	0.41	6.93	7	1.53	Standard ROS-1
-	-	-	-	-	-	-	I07317	23	<0.01	0.04	23	0.32	Blank (HQ)
39.62	41.15	1.53	LST	OX	1.18	77	I07322	23	0.39	2.99	5780	18.05	Duplicate
-	-	-	-	-	-	-	I07326	23	1.42	0.72	86	1.83	Standard ROS-2
-	-	-	-	-	-	-	I07328	23	<0.01	0.01	26	1.22	Blank (HQ)
-	-	-	-	-	-	-	I07330	24	<0.01	4.61	10	0.17	Blank (HQ)
-	-	-	-	-	-	-	I07340	24	1.43	0.64	73	1.37	Standard ROS-2
-	-	-	-	-	-	-	I07345	24	0.01	0.02	57	0.59	Blank (HQ)

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
-	-	-	-	-	-	-	I07358	24	8.16	18.60	7	1.32	Standard ROS-3
94.49	97.54	3.05	MBL		2.91	95	I07364	24	0.02	0.11	27	0.48	Duplicate

GEOTECHNICAL LOG

HOLE: Rau-10-85

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
3.96	4.57	0.61	0.60	98	0	0	NA	NA		
4.57	6.10	1.53	0.62	41	0.00	0	NA	NA		
6.10	7.62	1.52	1.37	90	0.00	0	NA	NA		
7.62	9.14	1.52	1.05	69	0.00	0	NA	NA		
9.14	10.67	1.53	0.25	16	0.00	0	W	HW	5YR4/6	
10.67	12.19	1.52	1.47	97	0.24	16	W	HW	5YR4/6	
12.19	13.72	1.53	1.15	75	0.16	10	W	HW	10R3/6	
13.72	15.24	1.52	1.12	74	0.00	0	EW	EW	10R3/6	
15.24	16.76	1.52	1.15	76	0.62	41	MS	MS		
16.76	18.29	1.53	1.21	79	0.00	0	W	HW		
18.29	19.81	1.52	1.52	100	0.40	26	MS	MW		
19.81	21.34	1.53	1.38	90	0.82	54	MS	MW		
21.34	22.86	1.52	1.50	99	0.85	56	MS	SW		
22.86	24.38	1.52	1.50	99	1.01	66	MS	SW		
24.38	25.91	1.53	1.51	99	1.44	94	MS	SW		
25.91	27.43	1.52	1.40	92	1.05	69	MS	SW		
27.43	28.96	1.53	1.35	88	0.80	52	MS	SW		
28.96	30.48	1.52	1.45	95	0.28	18	W	MW		
30.48	32.00	1.52	1.45	95	0.62	41	W	HW	10R3/6	
32.00	33.53	1.53	1.47	96	0.85	56	MS	HW		
33.53	35.05	1.52	1.20	79	0.36	24	W	HW		
35.05	36.58	1.53	1.29	84	0.50	33	W	HW	10R3/6	
36.58	38.10	1.52	1.37	90	0.48	32	MS	MW		
38.10	39.62	1.52	1.51	99	1.05	69	MS	MW		
39.62	41.15	1.53	1.18	77	0.54	35	MS	MW		
41.15	42.67	1.52	1.00	66	0.45	30	W	HW		
42.67	44.20	1.53	1.15	75	0.17	11	W	HW		
44.20	45.72	1.52	1.09	72	0.16	11	W	HW		
45.72	47.24	1.52	0.78	51	0.13	9	W	HW		
47.24	48.77	1.53	1.13	74	0.24	16	W	HW		
48.77	50.29	1.52	1.30	86	0.53	35	W	HW	5YR4/6	
50.29	51.82	1.53	1.09	71	0.74	48	W	HW		
51.82	53.34	1.52	1.52	100	0.92	61	MS	HW		
53.34	54.86	1.52	1.50	99	0.88	58	W	HW	5YR3/2	
54.86	56.39	1.53	1.00	65	0.65	42	MS	MW		
56.39	57.91	1.52	1.18	78	0.85	56	MS	MW		
57.91	59.44	1.53	1.15	75	0.26	17	W	HW		
59.44	60.96	1.52	0.80	53	0.00	0	EW	EW	10R3/4	OXIDE
60.96	62.48	1.52	1.01	66	0.00	0	EW	EW	5YR4/4	OXIDE
62.48	64.01	1.53	1.15	75	0.00	0	EW	EW	5YR4/4	OXIDE
64.01	65.53	1.52	1.08	71	0.00	0	EW	EW	5YR2.5/1	OXIDE
65.53	67.06	1.53	0.60	39	0.00	0	EW	EW	5YR4/3	OXIDE
67.06	68.58	1.52	1.29	85	0.00	0	EW	EW	5YR5/8	OXIDE
68.58	70.10	1.52	0.40	26	0.00	0	EW	EW	2.5YR2.5/1	OXIDE
70.10	71.63	1.53	0.48	31	0.00	0	EW	EW	2.5YR4/6	OXIDE
71.63	73.15	1.52	0.98	64	0.00	0	EW	EW	7.5YR3/3	OXIDE
73.15	74.68	1.53	1.20	78	0.51	33	EW	EW	7.5YR3/4	OXIDE
74.68	76.20	1.52	0.92	61	0.31	20	EW	EW	7.5YR3/4	OXIDE
76.20	77.72	1.52	1.27	84	0.22	14	EW	EW	7.5YR3/4 AND 7.4YR4/6	OXIDE
77.72	79.25	1.53	1.39	91	0.38	25	EW	EW	7.5YR4/4	OXIDE
79.25	80.77	1.52	1.06	70	0.36	24	EW	EW	7.5YR4/4	OXIDE
80.77	82.30	1.53	0.88	58	0.27	18	EW	EW	7.5YR4/4	OXIDE
82.30	83.82	1.52	1.05	69	0.66	43	EW	EW	7.5YR4/6	OXIDE
83.82	85.34	1.52	1.14	75	0.34	22	EW	EW	7.5YR4/4	OXIDE
85.34	86.87	1.53	1.08	71	0.24	16	EW	EW	10YR4/6	OXIDE
86.87	88.39	1.52	0.78	51	0.68	45	S	MW		Drillers hit a void

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
88.39	89.92	1.53	1.30	85	1.30	85	MS	MW		
89.92	91.44	1.52	0.67	44	0.13	9	EW	SW	7.5YR4/4	OXIDE + Drillers hit a small void
91.44	92.96	1.52	1.52	100	1.50	99	S	EW		
92.96	94.49	1.53	1.40	92	1.21	79	S	MW		
94.49	96.01	1.52	1.52	100	1.46	96	MS	SW		
96.01	97.54	1.53	1.39	91	1.14	75	MS	SW		
97.54	E.O.H.									

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-85

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	OVB		NA	
2.00	OVB		NA	
3.00	OVB		NA	
4.00	TIL		0.95	
5.00	TIL		1.59	
6.00	TIL		1.15	
7.00	TIL		1.32	
8.00	TIL		0.78	
9.00	TIL		1.02	
10.00	OX	GRT	0.10	
11.00	LST	DOL	0.26	
12.00	LST	OX	0.50	
13.00	OX		0.26	
14.00	OX		0.05	
15.00	OX		0.26	
16.00	OX		0.00	
17.00	OX		0.18	
18.00	OX		0.00	
19.00	LST	DOL	0.13	
20.00	LST	DOL	0.25	
21.00	LST	DOL	0.00	
22.00	LST	DOL	0.00	
23.00	LST	DOL	0.00	
24.00	LST	DOL	0.08	
25.00	DOL		0.06	
26.00	DOL		0.26	
27.00	DOL		0.48	
28.00	DOL		0.18	
29.00	LST	OX	0.05	
30.00	OX		0.00	
31.00	OX		0.00	
32.00	OX		0.08	
33.00	OX		0.00	
34.00	OX		0.00	
35.00	OX		0.08	
36.00	OX		0.08	
37.00	OX		0.13	
38.00	LST	OX	0.05	
39.00	LST	OX	0.18	
40.00	LST	OX	0.01	
41.00	LST	OX	0.08	
42.00	LST	OX	0.06	
43.00	OX	LST	0.10	
44.00	OX	LST	0.10	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	OX	LST	0.08	
46.00	OX	LST	0.05	
47.00	OX	LST	0.16	
48.00	OX		0.84	
49.00	OX		0.00	
50.00	OX		0.10	
51.00	OX		0.10	
52.00	OX		0.16	
53.00	OX		0.06	
54.00	OX		0.10	
55.00	OX		0.00	
56.00	OX		0.11	
57.00	OX		0.43	
58.00	OX	GRT	0.03	
59.00	OX	GRT	0.31	
60.00	OX	GRT	0.21	
61.00	OX	GRT	0.40	
62.00	OX		0.36	
63.00	OX		0.36	
64.00	OX	GRT	0.13	
65.00	OX	GRT	0.58	
66.00	OX	GRT	0.33	
67.00	OX	GRT	0.21	
68.00	OX	GRT	0.21	
69.00	OX		12.20	
70.00	OX	GRT	0.33	
71.00	OX	GRT	0.23	
72.00	MBL	OX	0.50	
73.00	MBL	OX	0.01	
74.00	MBL	OX	0.00	
75.00	MBL	OX	0.01	
76.00	MBL	OX	0.10	
77.00	OX	LST	0.35	
78.00	MBL	OX	0.26	
79.00	MBL	OX	0.00	
80.00	MBL	OX	0.00	
81.00	MBL	OX	0.47	
82.00	OX	LST	0.31	
83.00	OX	LST	0.00	
84.00	OX	LST	0.53	
85.00	OX	LST	0.20	
86.00	OX	LST	0.36	
87.00	MBL	SER	0.00	
88.00	MBL	SER	0.00	
89.00	MBL	SER	0.00	
90.00	LST	cBX	0.20	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	MBL	SER	0.13	
92.00	MBL	SER	0.00	
93.00	MBL	SER	0.00	
94.00	MBL	SER	0.00	
95.00	MBL	SER	0.00	
96.00	MBL	SER	0.21	
97.00	LST		0.18	

HOLE: Rau-10-85

Box #	Diameter (cm)	From (m)	To (m)	Unit	Modifier	Recovery	Weight	Density	Comments
9	6.1	38.35	42.97	LST	OX	3.33	38.0	1.79	80% oxidised LST
10	6.1	42.97	47.80	OX		3.33	55.6	2.62	
11	6.1	47.80	52.20	OX		3.21	56.7	2.77	
12	6.1	52.20	56.39	OX	LST	3.43	61.1	2.80	20% LST
13	6.1	56.39	60.96	OX	LST	2.77	50.1	2.84	30% LST
14	6.1	60.96	65.53	OX		3.10	45.7	2.31	
15	6.1	65.53	71.10	OX		2.48	43.5	2.75	
16	6.1	71.10	76.20	OX	MBL	3.34	57.8	2.72	30% MBL
17	6.1	76.20	80.45	OX	MBL	3.45	58.9	2.68	20% MBL
18	6.1	80.45	85.34	OX	MBL	3.28	58.9	2.82	25% MBL

BOX LOG

HOLE: Rau-10-85

BOX	FROM (m)	TO (m)
1	3.96	9.14
2	9.14	14.30
3	14.30	18.60
4	18.60	22.26
5	22.26	26.15
6	26.15	29.84
7	29.84	33.88
8	33.88	38.35
9	38.35	42.97
10	42.97	47.80
11	47.80	52.20
12	52.20	56.39
13	56.39	60.96
14	60.96	65.53
15	65.53	71.10
16	71.10	76.20
17	76.20	80.45
18	80.45	85.34
19	85.34	90.80
20	90.80	95.33
21	95.33	97.54
97.54 m - E.O.H.		

RAU PROPERTY

	Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
ZONE: Tiger	10+160NW	09+996NE	528383	7119163	1277	91.44

SECTION: 10+160NW

HOLE: **Rau-10-86**

CLAIM: Rau-69

Contractor: Superior

Drill: 2

Core size: HQ

Casing depth: 15.24 m out

Drilling dates: June 23-24, 2010

Geology logged by: E. Theissen

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	225	-60.0	compass	60.96	226	-60.3	ranger
15.24	225	-59.8	ranger	76.20	226	-60.9	ranger
30.48	225	-60.0	ranger	91.44	227	-60.1	ranger
45.72	225	-60.3	ranger				

TARGET: Tiger Oxide

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	3.05	3.05	OVB	
3.05	6.10	3.05	LST	Clay rich
6.10	24.68	18.58	OX	Gritty
24.68	28.30	3.62	LST	Dolomitized
28.30	41.15	12.85	OX	Gritty
41.15	54.39	13.24	LST	Dolomitized
54.39	58.13	3.74	OX	Sideritic
58.13	60.30	2.17	MBL	
60.30	63.58	3.28	LST	Dolomitized and rubbly
63.58	66.10	2.52	MBL	Banded
66.10	72.00	5.90	OX	With marble interfingers
72.00	75.00	3.00	MBL	Banded
75.00	80.90	5.90	DOL	Oxidized
80.90	91.44	10.54	MBL	
91.44	E.O.H.			

SAMPLES

Numbers: I075403-I075455

Total: 53

Batch: 26, 27

Date Sent: June 28, 30, 2010

Certificate: VA10089855, VA10089854

COMMENTS

The hole was ended because it was into the marble and therefore past the targeted horizon. The hole has been lined with PVC pipe for a later downhole gravity survey.

GEOLOGY LOG

HOLE: Rau-10-86

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	Photo
0.00	3.05	3.05				OVB			Overburden - no recovery																		
3.05	6.10	3.05				LST	CLY		Rubbly sub-angular limestone fragments within very soft clay rich gouge-like matrix. Occasional 10 cm portions of competent grey limestone occur scattered throughout. The lCN has a 10 cm interval of white anhedral quartz.																		
6.10	24.68	18.58				OX	GRT		Brown to dark brown, red-yellowish to orange-rusty coloured oxide unit with minor interfingerings of hydrothermally dolomitized limestone. The oxide varies from as coherent as moist soil to moderately-strong. The darker material is generally silt to medium-sand sized particles of minor-silt and limonite-siderite-quartz, and may crumble when pinched or may be coherent as solid-vesicular siderite masses. The more red-orange-rusty oxide tends to be more competent with good recovery of vesicular siderite-limonite +/- hematite. The more competent portions tend to grade gradually into the dolomitized limestone interfingerings, especially towards the lower contact. The yellow portion is associated with a higher quartz content subsequently stained with yellow oxide. The dolomitized limestone occurs interfingering closer to the lower contact, it comprises coarse-grained anhedral hydrothermal white to buff coloured dolomite. Where original limestone is visible it is extensively brecciated by fluids with cryptic limestone clasts and calcite filling the breccia matrix. The limestone however, has mostly been overprinted by hydrothermal dolomite. Most limestone has also undergone extensive cBx and along core axis brittle anastamosing fractures associated with Ca and Fe-Ox staining with minor oxidized fine-grained pyrite.					w			i			t							
			22.86						Sharp CN between CG intense SID and MG hydrothermal DOL with OX on CN . SID has rectangular vugs within it.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
24.68	28.30	3.62				LST	DOL	Bx	Highly-fluid brecciated dolomitized limestone with late fracturing and subsequent oxidation. The dolomitized limestone is grey to light grey in colour with fine-grained subangular and fractured clasts, infilled with a white calcite. A fine cBx texture is pervasive throughout the unit with black infilling seams. Late brittle Fe-Ca fractures propagate through the unit and are filled with a brown-rusty coloured oxide material. Oxidation in LST is associated with OX-fracture density.							m				t							
									Fe-OX Vn - brittle fracture-fills up to 2 mm wide and is dextrally offset by Vns at 70 TCA (reverse motion).	VN	45		80													
									Fe-Ox Vn 2 mm wide, cuts veins at 45 TCA	VN	10		2													
									Fe-OX Vn 1-4 mm wide, cuts the 10 TCA veins.	VN	70		50													
28.30	41.15	12.85				OX	GRT		Red-brown to dark-brown to yellow-rusty highly oxidized unit with abundant limonite-siderite interfingered with LST Bx at the lower contact.										t							
			28.30	34.00	5.70	OX	GRT		Red-brown coloured competent oxide, gritty to siderite dominated. Quartz pebbles occur throughout the grit. Overall clay levels are very low.																	
			32.00	33.00	1.00	DOL	OX		Medium to coarse-grained intensely dolomitized unit with cryptic fluid and timing relations. Minor pyrite occurs as fine-grained oxidized crystals, associated with oxide veins.							i										
			34.00	41.14	7.14	OX	CLY		Generally much softer oxide resembling silty gouge rock. Still rusty-brown coloured and gritty with some yellow portions that are very mica and sericite-rich. Interfingerings of oxide and LST-DOL occur closer to the lower contact. The LST-DOL is highly brecciated with grey fine-grained angular limestone clasts with white anhedral calcite breccia infilling.																	
									The lower contact is sharp below dirty, brown-yellow oxide, gritty and vesicular siderite/limonite.	ICN																
									Ca-OX, 1-3 mm calcite rich dark red to rusty coloured oxide within the fractures.	VN	40		80													
									Ca-OX cuts Vns 40 TCA, 1-5 mm wide filled with calcite and red-brown rusty oxide material.	VN	10		2													

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
41.15	54.39	13.24				LST	DOL		Highly fluid brecciated dolomitized and silicified limestone with minor dolomite veining. Limestone is generally grey, fine-grained, with sub-angular cm-scale clasts within a calcite dominant matrix from breccia fluids. Portions of this unit are more hydrothermally dolomitized than other portions making protoliths cryptic. The lower contact LST material appears to have undergone some shear with tight folds and sinuous foliations.					m						t							
							SIL																				
									Coarse-grained creamy white DOL vein 3-10 mm, crosscuts buff vein.	VN	30		1														
									Coarse-grained buff-white DOL vein 3-20 mm	VN	55		2														
54.39	58.13	3.74				OX	SID		Brown to dark brown to pale-yellow siderite dominated oxide unit. Unit is mostly very competent dark brown vugged siderite which often has a metallic lustre on fresh surfaces (hematite?). Trace unoxidized Py, FG disseminated. Light orange seams less than 1 cm wide locally (Sm ?).											t							
58.13	60.30	2.17				MBL			Medium to light grey marble with no original features recognizable. The marble is grey to light-grey and contains many dissolution seams. It becomes greyer and less marblized towards the lower contact. Relict veins are very sinuous and folded showing a strong sense of shear.																		
									1.5 cm calcite vein.	VN	10																
60.30	63.58	3.28				LST	DOL	RBL	Dolomitized highly brecciated limestone that has been broken into rubble, mostly cobble to small boulder sized blocks. Visible limestone is not marblized but highly brecciated with calcite fluid matrix, all of the unit is overprint by brittle oxide veining. Towards bottom contact one 20 cm interval has been marbleized and is white-grey and crystalline. Also at lower contact the unit is very strained on account of sinuous foliations and elongated wisps that are very cryptic.																		
									Thin 1 mm Ca-OX veins in brittle fractures.	VN	40		50														

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
63.58	66.10	2.52				MBL	BN		Light grey to white crystalline marble with sharp lower and upper contacts. Unit is highly foliated by a grey foliation likely relict stylolite. Small 4 mm sericite bands are yellowy and highly folded, indicating high strain.																		
									Grey bands in white marble.	FO	60															
66.10	72.00	5.90				OX	MBL	GRT	Mostly light brown to yellowy soft and gritty silty oxide with marble interfingerings at lower contact. Oxide is very soft and has sharp contacts with marbles. Broken marble core occurs at lower contact and is interlayered with soft oxide, coherent mud-like.																		
72.00	75.00	3.00				MBL	BN		Light grey to white to pale pink anastamosingly foliated crystalline marble. Foliations are from relict dissolution seams. Pink colour is more proximal to late Fe-OX veins. Minor oxide occurs in broken core sections.																		
									Stylolitic	FO	50															
									1 mm Fe-OX 2 sets of veins at 50 TCA	VN	50															
									Low angle, brittle Fe-OX VN CA.	VN	10															
75.00	80.90	5.90				DOL	OX		Brown to red-rusty coloured coarse-grained equan angular subhedral hydrothermal dolomite with multiple oxide fractures running throughout. The dolomite itself is a white grey light-yellow colour but OX staining overprints it. Many dark brown to black sinuous bands run through the dolomite, likely stylolites.							w										
									Dark brown to black stylolites, sinuous, late Fe staining overprints	VN	30		20													
									Brittle fracture, Fe-OX filled bright red and anhedral.	VN	10		5													
80.90	91.44	10.54				MBL			Light grey to white MG Marble with thin SER altered stringers beige in colour, and t Py mineralization associated with SER. FO defined by SER stringers and darker marble bands.	FO	55														
									91.44 m - E.O.H. The hole was ended because the targeted oxide was passed.																	

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-86

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
4.57	6.10	1.53	LST		0.90	59	I075403	26	0.08	0.23	429	34.40	
6.10	7.62	1.52	OX		0.92	61	I075404	26	3.08	7.77	32500	408.00	
7.62	9.14	1.52	OX		1.04	68	I075405	26	0.94	5.04	26200	1360.00	
9.14	10.67	1.53	OX		0.89	58	I075406	26	0.99	2.70	13950	2610.00	
10.67	12.19	1.52	OX		1.25	82	I075407	26	0.14	2.84	3570	373.00	
12.19	13.72	1.53	OX		1.42	93	I075408	26	0.07	6.46	1680	1100.00	
13.72	15.24	1.52	OX		1.35	89	I075409	26	0.14	1.12	5740	164.00	
15.24	16.76	1.52	OX		1.07	70	I075410	26	0.49	6.05	5160	453.00	
16.76	18.29	1.53	OX		0.95	62	I075411	26	0.12	0.30	1740	132.50	
18.29	19.81	1.52	OX		1.40	92	I075413	26	0.02	0.11	735	19.65	
19.81	21.34	1.53	OX		1.03	67	I075414	26	0.13	0.26	1360	183.50	
21.34	22.86	1.52	OX		0.98	64	I075415	26	0.35	0.39	2750	1700.00	
22.86	24.38	1.52	OX		1.24	82	I075416	26	0.55	0.25	1880	361.00	
24.38	25.91	1.53	LST	DOL	1.14	75	I075418	26	0.10	0.14	455	65.60	
25.91	28.30	2.39	LST	DOL	2.05	86	I075419	26	0.01	0.03	136	3.27	
28.30	28.96	0.66	OX		0.62	94	I075420	26	0.13	0.54	1300	124.50	
28.96	30.48	1.52	OX		0.73	48	I075421	26	0.14	1.02	5740	217.00	
30.48	32.00	1.52	OX		1.35	89	I075422	26	0.23	0.22	2760	111.00	
32.00	33.53	1.53	OX		1.36	89	I075424	26	0.17	0.14	4660	25.00	
33.53	35.05	1.52	OX		1.52	100	I075425	26	0.67	0.24	5400	67.80	
35.05	36.58	1.53	OX		1.09	71	I075426	26	0.87	0.40	24900	772.00	
36.58	38.10	1.52	OX		1.26	83	I075428	26	0.11	0.18	3090	34.80	
38.10	39.62	1.52	OX		1.47	97	I075429	26	0.07	1.13	988	9.71	
39.62	41.15	1.53	OX		1.37	90	I075430	26	0.09	0.21	2440	17.35	
41.15	42.67	1.52	LST	DOL	1.40	92	I075431	26	0.01	0.13	142	0.88	
41.15	42.67	1.52	LST	DOL	1.40	92	I075432	26	0.01	0.05	435	4.92	
45.00	48.00	3.00	LST	DOL	2.90	97	I075434	26	0.01	0.03	252	0.95	
48.00	51.00	3.00	LST	DOL	3.00	100	I075435	26	0.01	0.14	94	0.74	
51.00	53.00	2.00	LST	DOL	1.91	96	I075436	26	0.01	0.14	131	2.23	
53.00	54.39	1.39	LST	DOL	1.29	93	I075437	27	0.01	0.31	180	2.04	
54.39	54.86	0.47	OX	SID	0.47	100	I075438	27	0.69	1.40	1210	82.70	
54.86	56.39	1.53	OX	SID	1.39	91	I075439	27	0.11	2.98	955	92.40	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
56.39	57.91	1.52	OX	SID	1.20	79	I075440	27	0.39	3.48	1740	376.00	
57.91	58.13	0.22	OX	SID	0.22	100	I075441	27	0.04	3.06	227	993.00	
58.13	60.30	2.17	MBL		2.01	93	I075442	27	0.03	0.84	31	105.00	
60.30	62.00	1.70	LST	DOL	1.51	89	I075443	27	0.06	0.18	412	1.91	
62.00	63.58	1.58	LST	DOL	1.56	99	I075444	27	0.03	0.09	48	0.51	
63.58	66.00	2.42	MBL		2.33	96	I075446	27	0.02	0.07	22	0.62	
66.00	67.06	1.06	OX		0.58	55	I075447	27	1.46	2.13	20400	5.68	
67.06	68.58	1.52	OX		0.70	46	I075448	27	1.45	3.04	16900	7.95	
68.58	70.10	1.52	OX		1.16	76	I075449	27	0.78	1.42	7920	9.53	
70.10	72.00	1.90	MBL		0.80	42	I075451	27	0.44	2.12	4020	18.35	
72.00	75.00	3.00	MBL		2.15	72	I075452	27	0.05	0.20	247	1.16	
75.00	78.00	3.00	DOL	OX	2.79	93	I075453	27	0.02	0.86	289	54.60	
78.00	80.90	2.90	DOL	OX	2.90	100	I075454	27	0.02	0.48	282	10.00	
80.90	83.82	2.92	MBL		2.92	100	I075492	28	<0.01	0.01	10	0.11	
83.82	86.87	3.05	MBL		2.97	97	I075493	28	<0.01	0.03	5	0.11	
-	-	-	-	-	-	-	I075412	26	1.48	0.61	72	1.43	Standard (ROS2)
-	-	-	-	-	-	-	I075417	26	0.01	0.01	20	2.63	Blank (HQ)
-	-	-	-	-	-	-	I075423	26	0.40	6.12	6	1.61	Standard (ROS2)
-	-	-	-	-	-	-	I075427	26	0.01	0.02	95	0.98	Blank (HQ)
42.67	45.00	2.33	LST	DOL	2.20	94	I075433	26	0.01	0.06	372	1.90	Duplicate
-	-	-	-	-	-	-	I075445	27	1.27	0.60	72	1.28	Standard (ROS2)
-	-	-	-	-	-	-	I075450	27	0.01	0.01	54	0.07	Blank (HQ)
-	-	-	-	-	-	-	I075455	27	1.38	0.52	70	1.24	Standard (ROS2)
83.82	86.87	3.05	MBL		2.97	97	I075494	28	<0.01	0.02	6	0.05	Duplicate

GEOTECHNICAL LOG

HOLE: Rau-10-86

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
3.05	4.53	1.48	0.35	24	0	0	EW	EW	5R 6/1	
4.53	6.10	1.57	0.83	53	0.00	0	EW	EW	5R 6/1	
6.10	7.62	1.52	1.01	66	0.00	0	EW	EW	10R 4/4	
7.62	9.14	1.52	1.06	70	0.00	0	EW	EW	2.5YR 2.5/4	
9.14	10.67	1.53	0.86	56	0.00	0	EW	EW	2.5YR 2.5/4	
10.67	12.19	1.52	1.30	86	0.75	49	EW	EW	2.5YR 2.5/4	
12.19	13.72	1.53	1.41	92	0.99	65	EW	EW	2.5YR 2.5/4	
13.72	15.24	1.52	1.29	85	0.15	10	EW	EW	2.5YR 3/4	
15.24	16.76	1.52	0.98	64	0.29	19	EW	EW	2.5YR 3/4	
16.76	18.29	1.53	0.89	58	0.29	19	EW	EW	2.5YR 3/4	
18.29	19.81	1.52	1.44	95	0.97	64	W	SW	2.5YR 3/4	
19.81	21.34	1.53	0.94	61	0.21	14	EW	MW	2.5YR 3/4	
21.34	22.86	1.52	0.94	62	0.00	0	W	EW	2.5YR 3/4	
22.86	24.38	1.52	1.29	85	0.41	27	W	EW	2.5YR 3/4	
24.38	25.91	1.53	1.17	76	0.50	33	MS	EW	N/A	
25.91	27.43	1.52	1.21	80	0.43	28	MS	SW	N/A	
27.43	28.96	1.53	1.38	90	0.87	57	MS	MW	2.5YR 3/4	
28.96	30.48	1.52	0.64	42	0.00	0	MS	EW	2.5YR 3/4	
30.48	32.00	1.52	1.31	86	0.36	24	EW	EW	2.5YR 2.5/4	
32.00	33.53	1.53	1.33	87	1.14	75	EW	EW	2.5YR 2.5/4	
33.53	35.05	1.52	1.49	98	0.17	11	EW	EW	2.5YR 2.5/4	
35.05	36.58	1.53	1.24	81	0.00	0	EW	EW	5YR 3/4	
36.58	38.10	1.52	1.06	70	0.48	32	EW	EW	5YR 3/4	
38.10	39.62	1.52	1.46	96	1.01	66	W	EW	N/A	
39.62	41.15	1.53	1.29	84	0.58	38	W	SW	2.5YR 2.5/4	
41.15	42.67	1.52	1.43	94	1.01	66	MS	FR	N/A	
42.67	44.20	1.53	1.50	98	1.29	84	MS	FR	N/A	
44.20	45.72	1.52	1.40	92	1.32	87	MS	FR	N/A	
45.72	47.24	1.52	1.35	89	1.20	79	MS	FR	N/A	
47.24	48.77	1.53	1.53	100	1.52	99	MS	FR	N/A	
48.77	50.29	1.52	1.52	100	1.35	89	MS	FR	N/A	
50.29	51.82	1.53	1.52	99	1.45	95	MS	FR	N/A	
51.82	53.34	1.52	1.45	95	1.12	74	MS	FR	N/A	
53.34	54.86	1.52	1.48	97	1.32	87	MS	FR	N/A	
54.86	56.39	1.53	1.33	87	1.21	79	MS	HW	5YR 3/4	
56.39	57.91	1.52	1.08	71	0.32	21	W	HW	5YR 3/4	
57.91	59.44	1.53	1.40	92	1.17	76	W	FR	N/A	
59.44	60.96	1.52	1.51	99	0.75	49	MS	FR	N/A	
60.96	62.48	1.52	1.28	84	0.78	51	W	FR	N/A	
62.48	64.01	1.53	1.41	92	1.21	79	MS	FR	N/A	
64.01	65.53	1.52	1.35	89	1.07	70	MS	FR	N/A	
65.53	67.06	1.53	1.14	75	0.56	37	W	MW	2.5YR 3/4	
67.06	68.58	1.52	0.66	43	0.00	0	EW	EW	2.5YR 3/4	
68.58	70.10	1.52	1.16	76	0.23	15	EW	EW	2.5YR 3/4	
70.10	71.63	1.53	0.66	43	0.00	0	EW	SW	2.5YR 3/4	
71.63	73.15	1.52	0.87	57	0.40	26	W	SW	N/A	
73.15	74.67	1.52	1.19	78	0.60	39	MS	SW	N/A	
74.67	76.20	1.53	1.41	92	1.04	68	MS	SW	N/A	
76.20	77.72	1.52	1.52	100	1.42	93	MS	MW	N/A	
77.72	79.25	1.53	1.53	100	1.43	93	MS	SW	N/A	
79.25	80.77	1.52	1.52	100	1.20	79	MS	SW	N/A	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
80.77	82.30	1.53	1.48	97	1.14	75	S	SW	N/A	
82.30	83.82	1.52	1.51	99	1.43	94	MS	SW	N/A	
83.82	85.34	1.52	1.46	96	1.08	71	MS	SW	N/A	
85.34	86.87	1.53	1.50	98	1.36	89	MS	SW	N/A	
86.87	88.39	1.52	1.51	99	1.12	74	MS	SW	N/A	
88.39	89.92	1.53	1.48	97	0.97	63	MS	SW	N/A	
89.92	91.44	1.52	1.50	99	1.20	79	MS	SW	N/A	
91.44	E.O.H.									

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-86

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	OVB		N/A	
2.00	OVB		N/A	
3.00	OVB		N/A	
4.00	LST	CLY	0.25	
5.00	LST	CLY	3.17	
6.00	LST	CLY	0.00	
7.00	OX	GRT	0.26	
8.00	OX	GRT	0.50	
9.00	OX	GRT	0.36	
10.00	OX	GRT	0.23	
11.00	OX	GRT	0.08	
12.00	OX	GRT	0.35	
13.00	OX	GRT	0.00	
14.00	OX	GRT	0.01	
15.00	OX	GRT	0.52	
16.00	OX	GRT	0.00	
17.00	OX	GRT	0.00	
18.00	OX	GRT	0.00	
19.00	OX	GRT	0.13	
20.00	OX	GRT	0.16	
21.00	OX	GRT	0.00	
22.00	OX	GRT	0.00	
23.00	OX	GRT	0.11	
24.00	OX	GRT	0.00	
25.00	LST	DOL	0.00	
26.00	LST	DOL	0.00	
27.00	LST	DOL	0.00	
28.00	LST	DOL	0.00	
29.00	OX	GRT	0.13	
30.00	OX	GRT	0.85	
31.00	OX	GRT	0.00	
32.00	DOL	OX	0.05	
33.00	DOL	OX	0.58	
34.00	OX	GRT	0.01	
35.00	OX	CLY	0.31	
36.00	OX	CLY	0.20	
37.00	OX	CLY	0.05	
38.00	OX	CLY	0.00	
39.00	OX	CLY	0.00	
40.00	OX	CLY	0.00	
41.00	OX	CLY	0.03	
42.00	LST	DOL	0.25	
43.00	LST	DOL	0.03	
44.00	LST	DOL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	LST	DOL	0.13	
46.00	LST	DOL	0.00	
47.00	LST	DOL	0.00	
48.00	LST	DOL	0.16	
49.00	LST	DOL	0.00	
50.00	LST	DOL	0.10	
51.00	LST	DOL	0.28	
52.00	LST	DOL	0.16	
53.00	LST	DOL	0.00	
54.00	LST	DOL	0.00	
55.00	OX	SID	0.00	
56.00	OX	SID	0.33	
57.00	OX	SID	0.21	
58.00	OX	SID	0.00	
59.00	MBL		0.00	
60.00	MBL		0.05	
61.00	LST	DOL	0.00	
62.00	LST	DOL	0.13	
63.00	LST	DOL	0.11	
64.00	MBL		0.16	
65.00	MBL		0.20	
66.00	MBL		0.00	
67.00	OX	MBL	0.67	
68.00	OX	MBL	0.45	
69.00	OX	MBL	0.40	
70.00	OX	MBL	0.00	
71.00	OX	MBL	0.40	
72.00	OX	MBL	0.00	
73.00	MBL	BN	0.00	
74.00	MBL	BN	0.00	
75.00	MBL	BN	0.00	
76.00	DOL	OX	0.18	
77.00	DOL	OX	0.33	
78.00	DOL	OX	0.26	
79.00	DOL	OX	0.00	
80.00	DOL	OX	0.08	
81.00	MBL		0.00	
82.00	MBL		0.00	
83.00	MBL		0.00	
84.00	MBL		0.00	
85.00	MBL		0.01	
86.00	MBL		0.00	
87.00	MBL		0.00	
88.00	MBL		0.00	
89.00	MBL		0.00	
90.00	MBL		0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	MBL		0.01	

DENSITY LOG

HOLE: Rau-10-86

Depth (m)	Unit	Modifier	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
			Py %	As %	Other	%							
38.65	LST	OX	-	-	-	-		19.8	6.1	1613.0	1025.3	2.82	2.74
55.27	LST	OX	-	-	-	-		19.2	6.1	1392.2	822.1	2.51	2.44
72.00	LST	MBL	-	-	-	-		19.4	6.1	1477.4	934.8	2.63	2.72

HOLE: Rau-10-86

Box #	Diameter (cm)	From (m)	To (m)	Unit	Modifier	Recovery	Weight	Density	Comments
1	6.1	3.05	8.13	OX		2.65	26.5	1.57	
2	6.1	8.13	13.04	OX		3.47	29.0	1.31	
3	6.1	13.04	17.26	OX		3.07	28.5	1.46	
4	6.1	17.26	21.60	DOL	OX	3.01	31.5	1.64	
5	6.1	21.60	29.10	OX		3.00	28.5	1.49	
6	6.1	29.10	33.21	OX		2.99	29.0	1.52	
7	6.1	33.21	36.77	OX		2.32	28.0	1.89	

BOX LOG

HOLE: Rau-10-86

BOX	FROM (m)	TO (m)
1	3.05	8.13
2	8.13	13.04
3	13.04	17.26
4	17.26	21.60
5	21.60	25.49
6	25.49	29.10
7	29.10	33.21
8	33.21	36.70
9	36.70	40.65
10	40.65	44.35
11	44.35	48.43
12	48.43	52.37
13	52.37	56.54
14	56.54	60.58
15	60.58	64.01
16	64.01	69.20
17	69.20	74.60
18	74.60	78.49
19	78.49	82.30
20	82.30	86.19
21	86.19	90.27
22	90.27	91.44
91.44 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
09+800NW	10+117NE	528709	7118969	1355	408.43

ZONE: East

SECTION: 10+800NW

HOLE: RAU-10-87

CLAIM: Rau 56

Contractor: Superior

Drill: 1

Core size: BTW

Casing depth: 7.62 m out

Drilling dates: June 23-28, 2010

Geology logged by: K. Unger

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-67.0	compass	167.6	234.6	-66.9	Ranger
61.00	230	-66.9	Ranger	198.1	234.4	-67	Ranger
91.40	233	-67.0	Ranger	228.6	234.4	-66.7	Ranger
137.20	233	-66.9	Ranger	365.8	235	-64.8	Ranger

TARGET: Upper Tiger, Lower East Zones

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	4.36	4.36	OVB	
4.36	104.73	100.37	LST	
104.73	105.78	1.05	MBL	
105.78	113.66	7.88	DOL	Mineralized upper Tiger
113.66	114.91	1.25	MBL	
114.91	136.37	21.46	VOL	
136.37	279.11	142.74	LST	Dolomitized
279.11	393.30	114.19	DOL	Mineralized with interfingering DOL LST
393.30	408.43	15.13	LEP	
408.43	E.O.H.			

SAMPLES

Numbers: I075469-I075784, I075505-I075544, I075602-I075648, I075666-I075686, I075704

Total: 125

Batch: 27, 28, 29, 31, 32, 33, 34

Date Sent: June 30, July 1, 2, 3, 4, 2010

Certificate: VA10089854, VA10089853, VA10089851 VA10090964, VA10090965, VA10090963, VA10090966

COMMENTS

The hole was ended because it was through the targeted horizon and into the lower LEP.

GEOLOGY LOG

HOLE: RAU-10-87

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	Photo
0.00	4.36	4.36				OVB			Overburden - no recovery.																		
4.36	105.84	101.48				LST	FOS		Dark to medium grey, FG, fossiliferous, variably strained, variably BX LST with trace MBL alteration. Breccia textures are often obscured by strain. Fossils, dominated by large favocites coral fragments with lesser amounts of crinoid stem fragments and stem corals make up 1-3% of rock. Strain gives rock a wavy, blebby texture where strongest. Trace oxidation occurs on fracture faces.							t											
									Foliation is strong, defined by strain fabric oriented at 30-40 degrees TCA, but locally 0 degrees TCA where strongest.	FO	30																
			13.35						Strained, 1.2 cm wide curvilinear veinlet with toothy, brown Ca crystals.	VN	35	0															
									Narrow Ca veinlets, planar, 40 degrees TCA, usually around 1 mm wide, crosscutting wavy, deformed Ca veinlets.	VN	40	140															
									1-3 mm wide, wavy, weakly strained calcareous veinlets. Crosscut by veinlets mentioned above.	VN	20	10															
			4.36	64.26	59.90	LST	FOS		Dark to light grey, FOS, FG-CG, variably strained LST. Fossils are dominated by crinoid stems, but trace coarse tabulate coral (favositid) and chain (halysitid) are present. Most fossiliferous intervals are "packstone" to near "grainstone" with > 50% crinoid stem fragments. Strain is variable throughout, locally appearing parallel to subparallel to core axis with wavy fabric locally deforming relict bedding and fossil textures. Where strain is strongest, calcareous "augens" (coral fragments?) appear rounded, up to 1.3 cm in size, with pinch-swell fabric of FG limestone around clast. Strain generally increases with depth deforming tabulate coral fragments.																	x
									Foliation is 40 degrees TCA where relict bedding is still present, but is generally shallower, at times 0 degrees TCA where strain fabric obscures/deforms bedding textures. FO is 25-30 degrees TCA throughout.	FO	25															

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			64.26	79.77	15.51	LST		BX	Dark to medium grey, variably brecciated and strained, weakly marblized LST. Strain deforms BX texture. Dark, FG (lime mudstone?) interbeds exhibi strain more readily than BX clasts. BX clasts are oriented/extended parallel to strain fabric orientation. Few, narrow, sinuous 1-2 mm wide Ca stringers throughout, generally following foliation exhibit strain. Interval is weakly fossiliferous, with trace tabulate coral (favocitid) fragments which can exhibi or be obscured by strain. BX matrix appears to be more like a dissolution texture with depth, becoming near stylolitic in texture. Trace Py is hosted in dark, FG LST as FG disseminations and is also present as bright, yellow subcrystalline blebs hosted in strained brecciated areas.									MBL	s	t							x
									Foliation is defined by strain fabric, generally 30 tc 50 degrees TCA in interval.	FO	40															
									Narrow, sinuous Ca veinlets, crosscutting foliation and strained/deformed Ca veinlets @ 77.39 m, 25 degrees TCA, 270 degrees to FO.	VN	25	270														x
			79.77	80.34	0.57	LST	MBL	MO	Dark grey, mottled LST with light grey "camo" patches, exhibiting fuzzy, sucrosic MBL texture. Trace Py disseminations in dark "matrix" minerals.									MBL	s								
									Foliation is defined by mottled "clast" orientation, 40 degrees TCA.	FO	40															
									Foliation changes orientation, 180 degrees to above FO, and 50 degrees TCA, from 80.05 m to 80.28 m. Foliation is defined by strain fabric and relict bedding(?). Possible fold?	FO	50															
			80.34	91.68	11.34	LST	MBL	BX	Light to dark grey, variably brecciated, strained, strongly marblized LST exhibiting sucrosic, marblization throughout. Rock appearing banded but generally exhibits BX textures. Strain deforming light coloured BX clasts and banding (FG lime mudstone interbeds?)									MBL	s								
									FO is 50 to 55 degrees, defined by strain fabric and banding in rock.	FO	50															
			91.68	100.29	8.61	LST	FOS	FG	Dark grey, FG, FOS limestone with trace Py mineralization. Fossil content is generally weak, but locally 15-20% crinoid stems in FG dark LST with trace tabular honeycomb corals (favositid). Py present as trace disseminations in black, strained/deformed layers in dark grey LST to sinuous, narrow bands rimming clasts along upper contact.											t							x

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									Foliation defined by strain fabric and banding/relict bedding(?), strong, 50 degrees TCA.	FO	50																
									4 mm wide, milky white Ca vein with dark FG mineral, veinlet is oriented 70 degrees TCA, 320 degrees to FO.	VN	70	320															
			100.29	104.73	4.44	LST	MBL	BX	Light to dark grey, variably strained and brecciated LST, appearing banded with depth, strongly marblized with sucrosic recrystalization texture. lCN is gradational over 10 cm. Dark, FG BX matrix hosting small, tabular to diamond shaped, soft yellow crystals oriented with strain fabric (sulphur?) with trace, FG, dull yellow Py.									MBL	s	t							
									Strong foliation is defined by banding and strain fabric, 45-50 degrees TCA.	FO	50																
			104.17						Truncated, angular "tension gash-like" angular, 1.3 cm wide. Narrow, 1 mm wide veinlets parallel with this veinlet are proximal, within 8 cm.	VN	30	40															
									1 mm Ca stringers, parallel with above structure, crosscutting foliation.	VN	30	40															
			104.73	105.84	1.11	MBL		BN	White-pink to medium grey, sucrosic, banded marble, becoming lighter in colour with depth from grey to white-pink (dirty MBL?). lCN is "knife edge" sharp, 60 degrees TCA and parallel to FO.																			
									Contact between MBL and "Tiger Zone" DOL, sharp, oriented 60 degrees TCA, 0 degrees to FO.	lCN	60	0															
105.84	113.36	7.82				DOL	MX	CG	White to grey, CG dolomite hosting CG arsenopyrite, bands of FG, green-greyish yellow Py as well as CG euhedral Py crystals. Trace CG Ca crystals occur within the dolomite. The dolomite is weakly ankeritic, hosting some yellow carbonate crystals. Trace creamy green talc-tremolite is present. the CG As appears preferentially around the upper and lower contacts, while it is more fine grained and near absent in centre of the unit (complete replacement by Py?).					i	w			TLC	t	s	m	t					

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			105.84	107.57	1.73	DOL	MX	CG	White to grey coarse grained dolomite hosting CG As and FG bands to wispy strings of Py. As crystal size and frequency generally decrease with depth from 1.1 cm rhombs to FG <1 mm blebs with depth. As lustre is bright silvery white on crystal faces. Py appears to replace As where crystals occur together Py bands range in width from 1 mm to 2.7 cm, and are FG exhibiting a dull greyish-yellow colour. The dolomite contains weak concentrations of creamy yellow ankerite as well as trace milky white coarse Ca crystals. Talc-tremolite overprints or alters the dolomite to a creamy green colour, and is very soft.					i	w			TLC	t	m	s	t					
									FO is defined by Py bands, 50 degrees TCA	FO	50																
									Narrow, Qz-Po veinlet with associated talc-tremolite alteration (?). CG Po locally replaces Py at 110.36 m. The veinlet is 5 mm wide and has a sinuous	VN	60	180														
			107.57	112.46	4.89	DOL	MX	MG	White to grey, FG dolomite, trace creamy yellow (ANK) throughout. As present as trace, FG crystals disseminated among dolomite. Py is present as FG, wispy to planar bands typically between 1 mm and 1.1 cm wide, but masses up to 33 cm in width are also present. Distance between Py bands 3 mm to 16 cm, but typically between 3-15 mm.					i	w					s	t	t					
									Strong foliation is defined by Py bands, 50 degrees TCA.																		
			112.46	113.46	1.00	DOL	MX	CG	White to grey dolomite with weak levels of creamy yellow ANK hosting CG AS and FG bands of Py. As size and frequency generally increases with depth, becoming small masses of coarse, euhedral crystals exhibiting a bright, white-silver lustre. Py is seen as dull greenish-yellow, FG bands, uniform in orientation. Py bands range in thickness from 3-12 mm wide, and are 3 mm to 3.7 cm apart. Contact with unit below sharp, 60 degrees TCA (parallel with FO?)					i	w					s	ms	t					
									FO is defined by Py bands, strong foliation is 50 degrees TCA.																		
113.36	114.91	1.55				MBL			White, sucrosic marble with interfingers of VOL increasing with depth. Intense SER alteration of volcanic interfingers becoming more Bi rich with depth. Gradational contact to unit below over 27 cm.									SER	w								

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
114.91	136.37	21.46				VOL		FG	Brown to green, amygdaloidal, variably magnetic, FG VOL. SER alteration is mostly strong but also locally becoming more intense. Biotite alteration increases with depth.									SER	s									
																		BIO	m								
			114.91	117.31	2.40	VOL		BN	Olive-green to brown, FG, banded VOL with intense SER alteration. This is overprinted by BIO alteration bands ranging in width from 1 to 5 mm (generally 2 mm) and 8 mm wide BIO patches. Trace oxidation is present on fracture surfaces.							t		SER	i								
																		BIO	s								
									Foliation is defined by banding in rock, 50 degrees TCA.	FO	50																	
			117.31	120.40	3.09	VOL			Olive green, soft, intensely SER altered FG VOL hosting cubes of relict Py exhibiting exsolution textures. Trace Py cubes up to 8 mm in size have a rotted out texture. Po occurs past 118.51 m, exhibiting exsolution textures but less so than Py above. Strain fabric is shallow to core axis where Po is present.									SER	i	w		w						
									Foliation is weak to obscured but when present is oriented 50 degrees TCA. Where strain is strongest it occurs at 0 degrees.	FO	50																	
									Narrow Sp veinlet, 1 mm in width, 50 degrees TCA and parallel with FO. Only a single veinlet of this type occurs within the interval.	VN	50	0																
			120.40	122.68	2.28	VOL		AM	Olive green, fine grained, intensely SER altered VOL, appearing fractured to blocky throughout, relict textures appear strained. Dark green chloritic slickensides are present on fracture surfaces (shear zone?). A weak amygdaloidal texture occurs. An faint orangish stain occurs sporadically throughout. Weak talc alteration is identified on some fractures as a soft, greasy white powder.							f		SER	i									
																		TLC	w								
			122.68	125.01	2.33	VOL		AM	Brown to olive green moderately banded fine grained intensely SER altered VOL. This material is magnetic throughout, peppered with ~1 mm dark, magnetite grains. An amygdaloidal texture is present with depth.									SER	i	t							
																		BIO	s								

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			128.97	136.37	7.40	VOL		AM	Brown, amygdaloidal, FG, intensely biotite altered VOL, becoming SER altered with depth. Amygdales are filled with calcareous, MG to CG crystals that are usually 8-11 mm in size, but are as large as 3.5 cm blebs and patches. The contact with unit below is gradational, becoming more sericitic with depth.	CN								BIO	i								
																		SER	s								
									A weak foliation is defined by amygdule alignment a 55 degrees TCA.	FO	55															
136.37	279.11	142.74				LST	DOL	BX	Light to dark grey, intensely DOL altered, variably cBX to sBX LST exhibiting FG-CG dolomite recrystalization. The cBX texture overprints the sBX texture. As the cBX texture decreases with depth, sBX textures become more obvious and dominate.					i				TLC	t	t		t					
			136.37	147.48	11.11	LST	DOL	BX	Light to dark grey, MG-CG, cBX DOL altered LST with moderate TLC alteration associated with CG Po veinlets. Bleaching occurs up to 2 m from Po veinlet. cBX textures overprint sBX, but decrease in intensity with depth, becoming finer, to near stylolitic dissolution banded texture.					i				TLC	m	t		t					
									FO is defined by dissolution bands and BX orientation, 50-60 degrees TCA.	FO	55																	
									CG, Po "stockwork" vein with smaller veinlets proximal to main vein at 144.85 m with wide, bleached vein selvages visible up to 2.35 m from vein. MG Py overprinting the Po. CG TLC alteration is intense proximal to the Po mineralization with pearly fibres up to 3-4 mm. Vein orientation is unmeasurable.	VN										50		t					
			147.48	206.57	59.09	LST	DOL	BX	Dark to light grey, variably sBX LST exhibiting variable strain through out. Dark grey breccia clasts are matrix supported in a white to light grey FG-CG breccia matrix. Trace FG Py is present as FG disseminations to small blebs to sinuous bands ~1.7 cm wide in dark, FG LST layers. Strain deforms breccia clasts, orienting them in a common plane. Where BX textures are weak to absent, dissolution bands are present, parallel to the strain fabric in the brecciated zones.					i														x
									Foliation is defined by BX clast elongation and dissolution bands, 50 degrees TCA.	FO	50																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									Irregular, weakly calcareous, 2-4 mm wide veinlets cut both the brecciated and non-brecciated areas and are oriented at 40-50 degrees TCA.	VN	40															
									6 mm wide, translucent Qz-Ca veinlet oriented at 70 degrees TCA, cuts un-brecciated LST.	VN	70															
			206.57	211.30	4.73	LST	DOL	MO	Medium to dark grey, FG, intensely DOL altered, camo mottled LST. A weak BX texture represented by white to light grey CG matrix supporting darker FG LST clasts.					i													
									White to light grey, CG, dolomite-calcite-quartz veinlet, crosscutting mottled LST texture.	VN	20															
			211.30	242.84	31.54	LST	DOL	FG	Dark grey to black, FG, strained, LST with trace brecciation and a weak mottled texture throughout. Trace FG wisps to bleb-like Py rims dark BX clasts from FG. The core is blocky, fracturing parallel and perpendicular TCA. Trace OX alteration occurs only on fracture faces. Trace dissolution bands occur throughout. Where strain is the strongest, quartz "eyes" augens are present. The lower contact is gradational over 45 cm, from grey to green-grey.	CN				i		t				t						x
									Weak foliation is defined by dissolution bands and elongate breccia clast orientations, 30 degrees TCA.	FO	30															
									Yellow-white, 3.4 cm wide CG Ak veinlet, locally brecciating dark, FG LST. Veinlet is weakly calcareous, with toothy, red-brown crystals of calcite which fizz readily with acid.	VN	35															
									White to yellow, CG Ca-Ak veinlet with CG, toothy red-brown Ca. Ankerite is present along veinlet edges. Veinlet is 3.1 cm wide, and oriented 25 degrees TCA parallel with FO.	VN	25	0														
									CG, white to grey dolomite veinlet with trace Ca on veinlet selvages or between crystal faces. The VN is oriented 40 degrees TCA and exhibits a slightly deformed texture. Widths range from 4 mm to 1.7 cm. Veinlets are proximal to lCN with brecciation.	VN	40		2													

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			230.16						An unconformity (?) at 230.16 m with strongly foliated, dark, FG LST with FG blebs to wisps of Py with foliation oriented 30 degrees TCA with the layers above being massive, medium grey FG LST without foliation or Py mineralization and narrow, <1 mm carbonaceous contact. Contact is oriented 70 degrees TCA, and 180 degrees to FO of dark LST above contact.		70	180															
			242.84	253.05	10.21	VOL		BN	Green-grey, FG-vFG, strongly chloritic, weakly banded, VOL with strong Py and trace Po mineralization. Py is present as FG disseminations to bands and is a dull grey-yellow colour. Py mineralization generally increases with depth. Rock is weakly magnetic where Po is present. "Fuchsite" is present as bright green smears to blebs in rock. Rock is variable in hardness, at times harder than typical VOL (SIL alteration?) Bands of intensely altered SER VOL at times exhibit shear.									SER	s	i		t					x
																		CHL	s								
									Strong foliation defined by banding of Py and VOL layers, 45 degrees TCA.	FO	45																
									White, CG Ca veinlet, 1.8 cm wide, oriented 50 degrees TCA, 170 degrees to foliation.	VN	50	170															
			253.05	272.89	19.84	LST			Light to medium grey, deformed and bleached LST with intense, CG Qz-Po veining. CHL and TLC alteration are proximal to vein boundaries and exhib a sinuous, strained/sheared texture. Po is present as massive to fine grained crystals in veins and also as disseminations in host LST. Bright, euhedral crystals of Py overprint Po. Veins locally deform hos rock, LST exhibits strain and shear along vein boundaries. Chlorite becomes associated with Py mineralization with depth both in fractures and along Qz crystal faces. Where bleached, DOL altered LST exhibits moderate SIL alteration. Lower contact is gradational, Po mineralization becomes increasingly FG with depth over 30 cm.	CN				s				SIL	m	t	ms						x
																		TLC	f								
									FO is variable throughout, and is defined by strain fabric in banded and deformed LST. Where strain appears strongest, orientation of elongate BX clasts is 25 degrees TCA, and is 40 degrees TCA elsewhere.	FO	40																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									Py slickensides are present at 257.60 m along a fracture face oriented 25 degrees TCA (foliation?) Slickenslides are oriented 50 degrees to fracture face orientation.	SH																x
			272.89	279.11	6.22	LST	DOL		Dark to medium grey, FG-CG, intensely DOL altered LST with fair "shotgun" Py texture to FG mass-like bands. Weak banding is present throughout, dark-light CG crystals and Py bands run parallel to each other.			TLC	t	i					f							
									Foliation is weak, oriented 40 degrees TCA and is defined by weak banding in rock.																		
									CG Qz-Ca veinlets oriented shallow to TCA with trace TLC alteration. Veinlets are ~9 mm wide and are oriented 5 degrees TCA. Measurement to FO unavailable.	VN	40															
279.11	393.30	114.18				DOL	MX	CG	White to grey, CG DOL with weakly banded Py mineralization, "East Zone" in appearance. DOL is crystalline (hydrothermal?), CG to FG, with a "snake skin" texture. Py is dull, FG to MG, grey-yellow in colour. Rock varies from East Zone appearance to DOL LST exhibiting variable strain and BX textures. Mineralization varies throughout, different styles (generations?) of Py seen within the interval from dull, grey-greenish yellow Py to bright, white-yellow Py which appears generally as MG overprints where present.					i					m							
			279.11	285.84	6.73	DOL	MX	CG	White to medium grey, CG crystalline hydrothermal(?) dolomite with dull, FG Py bands 2-8 mm wide sharing a common orientation. Trace vugs are present throughout. Py exhibiting bright, MG crystals in a mass occurs at 285.25 m and is locally associated with Ca.					i					w							
									Foliation is defined by banding of pyrite, 40-50 degrees TCA.	FO	45																
									Dol-Ca-Py veinlet, milky white in colour, crosscutting grey DOL with bright yellow, MG Py at 285.25 m. The veinlet is 15 cm wide with trace CHL.	VN	40	0					CHL	t	ms							
			285.84	296.98	11.14	DOL		CG	Grey to white, alternating CG "snake skin" to FG crystalline DOL with fair Py mineralization and trace CG Qz. Py is present as dull, FG disseminations and as bright crystalline cubes forming bands to small masses, overprinting a weak breccia texture. Trace talc.					i					f							x

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									FO is weak, defined by Py bands and weak banding of DOL, 30 to 40 degrees TCA.	FO	40																
			296.98	305.30	8.32	LST	DOL	BX	White to medium grey, FG, cBX and variably strained DOL altered LST. cBX appears to rebrecciate a pre-existing sBX texture. Trace OX alteration occurs on fracture faces. Trace Py is present as bright, whitish-yellow FG-MG crystalline disseminations. This mineralization is hosted within 45 cm of the lCN. A crinoid fossil occurs at 305.30 m. lCN is sharp over a few cm, recrystalization is gradational over 5-6 cm.	CN				i		t												x
									FO is weakly defined by BX clast orientation and strain fabric, 45 degrees TCA.	FO	45																
			305.30	307.05	1.75	DOL	MX	CG	White to medium grey, CG dolomite with strong FG Py mineralization as wisps to narrow bands. Py is grey-yellow and has a dull lustre. The DOL exhibits hydrothermal crystal texture throughout. Trace angular vugs ~1-2 mm in size are present. Weak OX alteration present on fracture faces.					i					s								x
									Defined by Py and weak DOL bands, 40-45 degrees TCA.	FO	40																
									Py veinlet is 3 mm wide, hosting 1-3 mm cubes of bright, whitish-yellow Py, oriented 10 degrees TCA, 20 degrees to FO.	VN	10	20															
			307.05	308.04	0.99	SHL	BK	FG	Black, FG shale with fair Py mineralization within veinlets to trace <1 mm disseminations with depth. uCN and lCN are sharp, 40 degrees TCA for uCN, 50 degrees TCA for lCN.	uCN	40									f						
										lCN	50																
									White-yellow, FG Py veinlet, 5 mm wide, oriented 60 degrees TCA, 0 degrees to FO.	VN	60	0	2														
									White-yellow Py veinlet, blebby in texture, 1-4 mm wide. Crosscut by veinlet below.	VN	20	0	1														
									1 mm wide, white-yellow FG Py veinlet oriented 80 degrees TCA, 180 degrees to FO. Veinlet crosscuts above veinlet oriented 20 degrees TCA.	VN	80	180	1														
			308.04	309.51	1.47	DOL	MX	CG	Medium grey to white, MG to CG, banded DOL with intense Py mineralization. Py is present as FG, white-yellow <1 mm to 2 mm sized crystals, forming small masses to bands. Qz is locally associated with Py mineralization, as the Py defines a 34 cm wide selvage of a narrow Qz veinlet. Trace angular vugs present in DOL.					i					20								
									Defined by Py and DOL bands, oriented 45 degrees TCA.	FO	45																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									Translucent-white Qz veinlet with trace creamy Ca and FG bright Py, oriented 60 degrees TCA, 320 degrees to FO. Vein selvage is intensely pyritic, up to 24 cm from veinlet boundary. Vein selvage is oriented perpendicular to Qz veinlet orientation.	VN	60	320	2														
			309.51	320.34	10.83	LST	DOL	BX	Light to dark grey, FG, intensely DOL, variably strained cBX LST with deformed shale interbeds containing Py. The cBX texture exhibits strain, as do fabrics in the FG interbeds. Strain increases with depth, cBX matrix begins to appear as near stylolitic, dissolution textures. Py occurs as FG-MG bright white-yellow, euhedral "shotgun" masses preferentially within the dark shale interbands and the dark FG LST clasts.					i		f				w							
									FO is defined by dissolution bands and BX clast orientation, 40 degrees TCA.	FO	40																	
									DOL-Py veinlets, 2-3 mm wide are oriented at 70 degrees TCA and 90 degrees to FO.	VN	70	90								i							
									Translucent, white, CG Qz veinlet ~17 cm in width with trace bright yellow 2-3 mm Py blebs are oriented parallel to FO.	VN	40	0								t							
			320.34	322.95	2.61	DOL	MX	SP	White to medium grey, MG-CG, crystalline dolomite with bands to near masses of bright yellow Py crystals, <1 mm to 3 mm in size. Trace sparry vugs occur within, and weak OX alteration is present on some fracture surfaces.					i		w				20							
									Foliation is defined by Py and DOL banding, 50 degrees TCA.	FO	50																	
									Rusty red-brown, extremely vuggy to pitted, 6 cm wide SID veinlet with grey LST clasts, oriented 50 degrees TCA and 130 degrees TFO.	VN	50	130															x
			322.95	326.09	3.14	LST	DOL	BX	Light to medium grey, FG, intensely DOL cBX LST with trace Py disseminations throughout as bright yellow, <2 mm subcrystaline blebs.					i					t							
			326.09	333.36	7.27	DOL	MX	CG	White to medium grey, MG-CG crystalline DOL with FG, greenish-yellow, dull, FG Py in bands 2 mm to 2.5 cm in width. Trace vugs are present in CG crystalline dolomite. Interval exhibits "East Zone" textures and mineralization.																		
									FO is defined by Py and dolomite banding, oriented 50 degrees TCA.	FO	50																	

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			333.36	353.83	20.47	LST		BX	Light to dark grey, FG, intensely DOL, variably BX LST hosting CG Qz veining. cBX overprints a varying sBX texture up hole with sBX texture increasing with depth. Translucent white Qz veining is CG with trace Ca and trace TLC alteration. Talc often as radiating fibers (alteration of tremolite?). Bright, crystalline white-yellow Py is associated with Qz veins and selvages, as rims around dark, FG LST breccia clasts, and trace disseminations throughout. Qz veining occurs at different orientations (25 degrees to 90 degrees TCA) and widths (6 mm to ~65 cm) but vein mineralogy and texture appear homogenous throughout.					i				TLC	t	ms			Qz	i			
									FO is defined by strain fabric/dissolution bands and BX clast orientation, ranging from 35 to 70 degrees, but generally 50 degrees TCA throughout.	FO	50															
			353.83	354.79	0.96	LST	DOL		Light to dark grey, FG to CG, intensely DOL altered, matrix supported clastic LST (debris flow-like in texture). Dark, angular to tabular, FG LST clasts supported by a light to medium grey matrix. Trace Py is present as bright yellow, FG cubes associated with a narrow, sinuous Ca stringer.					i						t							
									Foliation is defined by "bedding" of debris flow and MG to CG clast orientation, 40 degrees TCA.	FO	40															
									White, 1-2 mm wide dolomitized veinlets cross cutting "debris flow" texture at 30 degrees TCA and 270 degrees to FO.	VN	30	270	2													
			354.79	357.30	2.51	LST	DOL	BX	Medium to dark grey, FG, intensely DOL, cBX LST hosting "shotgun"-like Py mineralization. BX clasts exhibit a strain fabric. A preferential orientation/elongation is also exhibited. Py is present as white-yellow, <1 mm to 3 mm euhedral crystals forming narrow 2 mm wide bands to larger "shotgun" masses. Trace CG Qz (veinlets?) are associated with strongly pyritic rock.					i		t				ms							
									FO is defined by BX orientation and weak banding, 50 degrees TCA.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other Type	Other Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Other Type	Other Intensity	Other Type	Other Intensity	
			357.30	359.45	2.15	LST	DOL	BX	Medium to dark grey, variably BX, variably recrystalized, intensely DOL altered LST with trace crinoid fragment fossils. Moderate-strong Py mineralization is present throughout as, FG, greenish-yellow, dull Py forming small blebs to 3.5 cm wide bands mainly occurring where dolomite is CG. Bright, white-yellow <2 mm cubes of Py is present in un-recrystalized, dark BX LST (P2 vs. P3?) Trace orange to rusty red OX alteration is present on fracture faces. (Rock appears near "East Zone" w/ variable, CG hydrothermal dolomite, interval may exhibit facies change to East Zone mineralization.)					i		t				ms							x
									Foliation is defined by Py and weak banding in dolomite, 40 to 50 degrees TCA.	FO	45																
									Oxidized, Ca veinlet, 2 mm wide and oriented 25 degrees TCA. Orientation to FO undeterminable.	VN	25	n/a															
			359.45	379.48	20.03	LST		BX	Light to dark grey, FG to CG, intensely DOL altered, variably strained, sBX LST with trace bright yellow FG to MG Py. Py mineralization forms small masses to deformed bands rimming strained FG LST clasts. BX is variable throughout, but typically see dark clasts supported in a white to light grey, CG matrix. Fine cBX is seen overprinting sBX. Strain is exhibited by deformed FG clasts/interbeds. Trace SID alteration is present on fracture faces as maroo to rusty orange-brown crystals don't fizz unless scratched. Strain decreases with depth.					i						t							
									FO is defined by strained BX, 40 to 50 degrees TCA.	FO	45																
			359.60						Narrow 2 mm wide, vuggy, maroon siderite veinlet at 359.60 m, oriented 30 degrees TCA and 270 degrees to FO.	VN	30	270															
			379.48	382.20	2.72	LST		RB	Rusty brown to medium grey, intensely SID to OX altered, faulted FG LST. Core appears blocky to rubbly, clast size down to ~1 cm. Poor recovery throughout, drillers encountered two 1 foot deep voids @ 379.48 and 380.70 m. Fractures are oriented preferentially at 50 degrees TCA.	FT				s		s	s									

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			382.20	393.29	11.09	DOL		CG	Dark to light grey, variably brecciated and strained, FG to CG, variably hydrothermal dolomite with weak Py MX. A relict LST BX texture remains exhibiting partial dolomite (hydrothermal) recrystalization to complete, recrystalization intensity increases with depth. Sparry textures occur where recrystalization is most intense. Py is present as FG, greenish-yellow wisps to small masses rimming darker BX clasts. A brighter, weakly crystalline, white-yellow Py phase overprints duller FG Py as euhedral replacements ~3 mm in size. Trace TLC alteration occurs. Trace crinoid fossils are present in relict LST. Strain deforms BX clasts with depth. ICN is sharp between DOL and the lower LEP , oriented 80 degrees TCA.	ICN				i				TLC	t	w							x
									A weak FO is defined by strain fabric, 20 to 40 degrees TCA.	FO	35																
									Light grey, FG dolomite veinlets, 1.1 cm wide, crosscut BX textures.	VN	50																
393.30	408.43	15.14				LEP		MO	Brown, mottled, FG, variably strained calcareous LEP, with FG, noncalcareous interbeds intermittent throughout. Py and Po are present, Py as FG vein-like masses to narrow, Ca-Py veinlets with MG, bright yellow cubic/dodecahedral Py crystals. Po overprints FG Py masses, in Ca-Cl-Po veinlets throughout, and as FG disseminations throughout.										w		ms						x
									FO is weak, defined by strain fabric orienting BIO altered mottled texture. The angle is shallower where strain increases. Orientation is generally 30 to 50 degrees TCA, but is seen as low as 10 degrees.	FO	40															
									Ca-Po-Py-Qz-Cl veinlets sharing a common orientation are present, frequency of veinlets increase with depth. Widths range from 0.7 to 2.1 cm, but generally around 0.9 cm wide. Bright yellow, euhedral MG Py and bronzy euhedral Po are seen in veinlets.	VN	60	90	1													
									408.43 m - EOH The hole was ended because it was past targeted the targeted East Zone and into the LEP.																	

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: RAU-10-87

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
100.00	103.00	3.00	LST		2.94	98	I075469	27	0.01	0.04	12	0.05	
103.00	105.84	2.84	LST		2.84	100	I075470	27	0.01	0.04	25	0.53	
105.84	107.57	1.73	DOL	MX	1.73	100	I075471	27	6.30	0.72	35700	285.00	
107.57	110.00	2.43	DOL	MX	2.39	98	I075472	27	5.08	1.14	2500	265.00	
110.00	112.46	2.46	DOL	MX	2.36	96	I075473	28	4.07	0.35	9730	211.00	
112.46	113.46	1.00	DOL	MX	1.00	100	I075474	28	4.40	0.27	60200	167.50	
113.46	116.00	2.54	MBL		2.50	98	I075476	28	0.07	1.24	201	7.37	
116.00	120.40	4.40	VOL		1.23	28	I075477	28	0.01	0.57	140	0.63	
117.35	122.40	5.05	VOL		3.05	60	I075478	28	0.01	1.49	117	2.10	
120.40	122.53	2.13	VOL		2.11	99	I075479	28	<0.01	0.18	32	0.20	
140.00	143.00	3.00	LST	DOL	2.98	99	I075480	28	<0.01	0.09	5	26.20	
143.00	146.00	3.00	LST	DOL	2.97	99	I075481	28	0.02	0.44	7	129.00	
199.27	200.35	1.08	LST	DOL	1.06	98	I075482	28	0.16	0.26	164	20.40	
200.35	201.17	0.82	LST	DOL	0.84	102	I075483	28	0.03	0.13	39	3.10	
201.17	202.07	0.90	LST	DOL	0.90	100	I075484	28	0.10	0.93	170	9.25	
237.29	240.49	3.20	LST	DOL	3.05	95	I075505	28	0.01	0.14	24	0.03	
240.49	242.84	2.35	LST	DOL	2.35	100	I075506	28	0.01	0.09	37	0.07	
242.84	245.00	2.16	LST	DOL	2.15	100	I075507	28	0.01	0.01	56	0.32	
245.00	247.00	2.00	LST	DOL	1.90	95	I075508	28	0.01	<0.01	84	0.75	
247.00	250.00	3.00	LST	DOL	3.00	100	I075509	29	0.01	0.10	49	1.00	
250.00	251.00	1.00	LST	DOL	1.00	100	I075510	29	0.03	0.47	93	3.95	
251.00	253.05	2.05	LST	DOL	0.87	42	I075511	29	0.01	0.53	36	17.90	
253.05	254.00	0.95	LST	DOL	0.82	86	I075512	29	0.01	0.19	20	21.50	
254.00	255.77	1.77	LST	DOL	1.72	97	I075513	29	0.01	0.38	17	468.00	
255.77	257.83	2.06	LST	DOL	2.05	100	I075514	29	0.01	13.35	100	699.00	
257.83	259.07	1.24	LST	DOL	1.24	100	I075515	29	<0.01	0.11	32	6.11	
259.07	260.60	1.53	LST	DOL	1.53	100	I075517	29	0.01	0.15	92	20.10	
260.60	263.27	2.67	LST	DOL	2.67	100	I075518	29	0.08	0.18	77	25.30	
263.27	264.45	1.18	LST	DOL	1.18	100	I075519	29	0.01	2.71	43	851.00	
264.45	265.92	1.47	LST	DOL	1.36	93	I075520	29	0.02	0.40	6	1065.00	
265.92	266.55	0.63	LST	DOL	0.63	100	I075521	29	0.02	0.74	333	276.00	
266.55	267.15	0.60	LST	DOL	0.60	100	I075523	29	0.01	0.67	3	483.00	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
267.15	268.67	1.52	LST	DOL	1.50	99	I075524	29	0.01	0.75	9	232.00	
268.67	271.00	2.33	LST	DOL	2.25	97	I075525	29	0.01	1.53	37	203.00	
271.00	272.89	1.89	LST	DOL	1.88	99	I075526	29	0.01	0.43	13	159.00	
272.89	275.00	2.11	LST	DOL	2.11	100	I075527	29	0.01	0.26	14	14.95	
275.00	277.00	2.00	LST	DOL	2.00	100	I075528	29	0.07	0.18	185	10.85	
277.00	278.00	1.00	LST	DOL	1.00	100	I075530	29	0.62	0.08	820	38.30	
278.00	279.11	1.11	LST	DOL	1.11	100	I075531	29	0.06	0.01	161	1.98	
279.11	281.00	1.89	DOL	MX	1.89	100	I075533	29	5.09	0.20	866	185.00	
281.00	282.63	1.63	DOL	MX	1.61	99	I075534	29	0.04	0.11	249	3180.00	
282.63	284.99	2.36	DOL	MX	2.27	96	I075535	29	0.07	0.25	382	46.10	
284.99	285.84	0.85	DOL	MX	0.85	100	I075536	29	0.02	0.12	132	80.90	
285.84	288.04	2.20	DOL	MX	2.20	100	I075537	29	0.08	0.11	795	39.20	
288.04	289.20	1.16	DOL	MX	1.15	99	I075539	29	11.00	0.51	1400	289.00	
289.20	292.20	3.00	DOL	MX	2.90	97	I075540	29	0.39	0.17	325	43.00	
292.20	295.28	3.08	DOL	MX	2.74	89	I075541	29	3.55	0.27	789	101.50	
295.28	297.00	1.72	DOL	MX	1.48	86	I075542	29	0.29	0.10	712	44.50	
297.00	299.00	2.00	DOL	MX	2.00	100	I075543	29	0.04	0.06	110	4.68	
299.00	302.00	3.00	DOL	MX	3.00	100	I075544	29	0.01	0.01	19	1.37	
302.00	304.00	2.00	DOL	MX	2.00	100	I075602	31	<0.01	0.04	27	0.92	
304.00	305.30	1.30	DOL	MX	1.30	100	I075603	31	0.01	0.08	119	1.98	
305.30	307.05	1.75	DOL	MX	1.60	91	I075604	31	0.15	0.72	1260	69.40	
307.05	308.04	0.99	DOL	MX	0.99	100	I075605	31	0.13	0.64	127	12.25	
308.04	309.51	1.47	DOL	MX	1.30	88	I075607	31	0.21	1.43	1550	270.00	
309.51	311.55	2.04	DOL	MX	2.04	100	I075608	31	0.06	0.22	184	40.80	
311.55	314.00	2.45	DOL	MX	2.26	92	I075609	31	0.03	0.11	111	5.55	
314.00	316.56	2.56	DOL	MX	2.56	100	I075610	31	0.06	0.14	362	67.50	
316.56	318.56	2.00	DOL	MX	5.00	250	I075611	31	0.02	0.16	433	29.30	
318.56	320.34	1.78	DOL	MX	1.78	100	I075612	31	0.03	0.05	122	5.34	
320.34	321.07	0.73	DOL	MX	0.73	100	I075613	31	0.08	0.08	721	51.20	
321.07	322.95	1.88	DOL	MX	1.82	97	I075614	31	0.27	1.41	1160	158.00	
322.95	325.00	2.05	DOL	MX	2.05	100	I075616	31	0.03	0.06	77	2.06	
325.00	326.09	1.09	DOL	MX	1.09	100	I075617	31	0.03	0.03	69	2.14	
326.09	327.00	0.91	DOL	MX	0.91	100	I075618	32	0.15	0.08	1110	92.10	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
327.00	328.00	1.00	DOL	MX	0.90	90	I075619	32	0.14	0.07	1060	110.00	
328.00	329.00	1.00	DOL	MX	0.97	97	I075620	32	0.06	0.05	370	15.10	
329.00	330.00	1.00	DOL	MX	1.00	100	I075621	32	0.36	0.08	1730	83.70	
330.00	331.00	1.00	DOL	MX	1.00	100	I075623	32	0.10	0.07	1180	195.50	
331.00	332.00	1.00	DOL	MX	1.00	100	I075624	32	0.21	0.07	1540	66.90	
332.00	333.36	1.36	DOL	MX	1.32	97	I075625	32	0.16	0.06	774	67.20	
333.36	336.25	2.89	DOL	MX	2.89	100	I075627	32	0.06	0.05	418	33.40	
336.25	337.44	1.19	DOL	MX	1.02	86	I075628	32	0.06	0.09	561	100.50	
337.44	340.00	2.56	DOL	MX	2.56	100	I075629	32	0.08	0.08	331	16.20	
340.00	343.00	3.00	DOL	MX	2.88	96	I075630	32	0.03	0.04	107	5.30	
343.00	345.93	2.93	DOL	MX	2.93	100	I075631	32	0.03	0.06	132	8.30	
345.93	347.00	1.07	DOL	MX	1.07	100	I075632	32	0.28	0.13	679	110.00	
347.00	349.00	2.00	DOL	MX	2.00	100	I075633	32	0.06	0.63	197	24.10	
349.00	352.00	3.00	DOL	MX	2.98	99	I075634	32	0.06	0.60	219	26.40	
352.00	353.89	1.89	DOL	MX	1.83	97	I075635	32	0.02	0.08	45	1.50	
353.89	354.79	0.90	DOL	MX	0.90	100	I075636	32	0.02	0.33	27	3.29	
354.79	357.30	2.51	DOL	MX	2.51	100	I075637	32	0.10	0.90	616	59.80	
357.30	359.45	2.15	DOL	MX	2.04	95	I075639	32	0.03	1.47	573	51.40	
359.45	360.81	1.36	DOL	MX	1.36	100	I075641	32	0.03	0.07	62	1.48	
360.81	361.49	0.68	DOL	MX	0.66	97	I075642	32	0.10	0.69	649	64.30	
361.49	364.00	2.51	DOL	MX	2.51	100	I075643	32	0.03	0.26	218	17.15	
364.00	366.95	2.95	DOL	MX	2.92	99	I075644	32	0.01	0.46	60	2.69	
366.95	370.00	3.05	DOL	MX	3.05	100	I075645	32	0.02	0.75	57	3.63	
370.00	373.00	3.00	DOL	MX	2.87	96	I075646	32	0.02	0.54	79	15.55	
373.00	376.00	3.00	DOL	MX	3.00	100	I075648	32	0.05	0.31	175	2.77	
376.00	378.00	2.00	DOL	MX	2.00	100	I075666	33	0.08	0.10	55	6.38	
378.00	379.49	1.49	DOL	MX	1.31	88	I075667	33	0.07	0.17	84	5.71	
379.49	382.20	2.71	DOL	MX	1.45	54	I075668	33	0.09	1.52	2500	6.44	
382.20	385.04	2.84	DOL	MX	2.63	93	I075669	33	0.06	0.22	102	3.42	
385.04	386.51	1.47	DOL	MX	1.47	100	I075670	33	0.05	0.22	122	5.18	
386.51	388.00	1.49	DOL	MX	1.46	98	I075671	33	0.13	0.26	86	9.57	
388.00	389.00	1.00	DOL	MX	1.00	100	I075672	33	0.10	0.18	75	5.09	
389.00	390.00	1.00	DOL	MX	0.98	98	I075673	33	0.07	0.15	91	6.86	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
390.00	392.00	2.00	DOL	MX	1.97	99	I075674	33	0.18	0.17	58	7.37	
392.00	393.30	1.30	DOL	MX	1.27	98	I075675	33	0.37	0.19	90	19.00	
393.30	393.99	0.69	LEP		0.69	100	I075677	33	0.04	0.50	64	3.74	
393.99	395.12	1.13	LEP		1.13	100	I075678	33	0.02	0.23	40	1.26	
395.12	395.93	0.81	LEP		0.78	96	I075680	33	0.05	0.29	18	2.66	
395.93	397.00	1.07	LEP		1.07	100	I075682	33	0.01	0.23	26	1.46	
397.00	398.00	1.00	LEP		1.00	100	I075683	33	0.02	0.37	7	1.97	
398.00	399.00	1.00	LEP		1.23	123	I075684	33	0.02	0.16	4	0.74	
399.29	402.34	3.05	LEP		3.00	98	I075685	33	<0.01	0.20	13	0.77	
402.34	405.38	3.04	LEP		3.04	100	I075686	33	<0.01	0.25	6	0.78	
405.38	408.43	3.05	LEP		3.02	99	I075704	34	<0.01	0.27	4	0.93	
-	-	-	-	-	-	-	I075475	28	0.02	0.02	76	1.29	Blank (BTW)
-	-	-	-	-	-	-	I075516	29	1.84	0.42	27800	261.00	Standard RSS-6
-	-	-	-	-	-	-	I075522	29	0.01	0.03	<5	1.49	Blank (BTW)
275.00	277.00	2.00	LST	DOL	2.00	100	I075529	29	0.08	0.20	174	12.05	Duplicate
-	-	-	-	-	-	-	I075532	29	2.96	0.73	1640	91.90	Standard RESS-8
-	-	-	-	-	-	-	I075538	29	<0.01	<0.01	<5	2.12	Blank (BTW)
307.05	308.04	0.99	DOL	MX	0.99	100	I075606	31	0.12	0.60	122	13.30	Duplicate
-	-	-	-	-	-	-	I075615	31	2.94	0.69	1710	94.90	Standard RESS-8
329.00	330.00	1.00	DOL	MX	1.00	100	I075622	32	0.16	0.06	1120	39.10	Duplicate
-	-	-	-	-	-	-	I075626	32	2.90	0.69	1680	100.50	Standard RESS-8
-	-	-	-	-	-	-	I075638	32	0.01	0.02	5	0.33	Blank (BTW)
-	-	-	-	-	-	-	I075640	32	0.01	0.01	<5	0.28	Blank (BTW)
-	-	-	-	-	-	-	I075647	32	1.84	0.23	27300	250.00	Standard RSS-6
-	-	-	-	-	-	-	I075676	33	3.79	0.23	62300	202.00	Standard RSS-7
-	-	-	-	-	-	-	I075679	33	<0.01	<0.01	5	0.05	Blank (BTW)
395.12	395.93	0.81	LEP		0.78	96	I075681	33	0.03	0.24	9	1.89	Duplicate

GEOTECHNICAL LOG

HOLE: RAU-10-87

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
4.36	4.57	0.21	0.21	100	0.00	0	W	FR		
4.57	5.49	0.92	0.73	79	0.00	0	W	FR		
5.49	7.62	2.13	2.01	94	1.27	60	M	FR		
7.62	9.14	1.52	1.51	99	1.34	88	M	FR		
9.14	12.19	3.05	2.99	98	2.82	92	M	FR		
12.19	15.24	3.05	2.96	97	2.76	90	M	FR		
15.24	16.76	1.52	1.52	100	1.45	95	M	FR		
16.76	18.90	2.14	2.04	95	1.95	91	M	FR		
18.90	21.34	2.44	2.41	99	2.17	89	M	FR		
21.34	24.38	3.04	2.99	98	2.76	91	M	FR		
24.38	27.43	3.05	2.75	90	1.56	51	M	FR		
27.43	30.48	3.05	3.05	100	1.05	34	M	FR		
30.48	33.53	3.05	3.05	100	2.53	83	M	FR		
33.53	36.58	3.05	2.97	97	2.88	94	M	SW		
36.58	39.62	3.04	3.04	100	2.89	95	M	FR		
39.62	42.67	3.05	3.00	98	2.69	88	S	FR		
42.67	45.72	3.05	3.05	100	2.55	84	S	FR		
45.72	48.77	3.05	3.05	100	2.80	92	S	FR		
48.77	51.82	3.05	3.05	100	2.67	88	S	FR		
51.82	54.86	3.04	3.04	100	3.04	100	S	FR		
54.86	57.91	3.05	3.00	98	2.62	86	S	FR		
57.91	60.96	3.05	3.03	99	3.03	99	S	FR		
60.96	64.01	3.05	3.04	100	3.04	100	MS	FR		
64.01	67.06	3.05	3.05	100	2.47	81	MS	FR		
67.06	70.10	3.04	2.98	98	2.76	91	MS	FR		
70.10	73.15	3.05	3.04	100	2.59	85	MS	FR		
73.15	75.74	2.59	2.56	99	2.00	77	MS	FR		
75.74	78.79	3.05	3.02	99	2.70	89	MS	FR		
78.79	81.84	3.05	3.05	100	2.67	88	MS	FR		
81.84	85.04	3.20	3.11	97	2.39	75	S	FR		
85.04	88.09	3.05	3.05	100	2.79	91	S	FR		
88.09	89.31	1.22	1.09	89	0.98	80	MS	FR		
89.31	92.96	3.65	3.65	100	3.56	98	MS	FR		
92.96	96.01	3.05	3.02	99	3.02	99	MS	FR		
96.01	99.06	3.05	3.00	98	2.95	97	S	FR		
99.06	102.11	3.05	3.02	99	2.25	74	MS	FR		
102.11	105.16	3.05	3.05	100	2.87	94	MS	FR		
105.16	108.20	3.04	3.04	100	2.71	89	MS	FR		
108.20	111.25	3.05	3.05	100	2.32	76	MS	FR		
111.25	114.30	3.05	3.05	100	2.12	70	MS	FR		
114.30	117.35	3.05	2.94	96	1.93	63	MS	FR		
117.35	120.40	3.05	3.00	98	1.90	62	MS	FR		
120.40	122.53	2.13	2.13	100	0.79	37	W	FR		
122.53	124.97	2.44	2.34	96	2.14	88	MS	FR		
124.97	128.02	3.05	2.93	96	2.35	77	MS	FR		
128.02	131.06	3.04	3.03	100	2.36	78	MS	FR		
131.06	134.11	3.05	2.99	98	2.71	89	MS	FR		
134.11	137.16	3.05	1.50	49	2.67	88	MS	FR		
137.16	140.21	3.05	3.00	98	2.38	78	MS	FR		
140.21	143.26	3.05	2.99	98	2.37	78	MS	FR		
143.26	144.78	1.52	1.50	99	0.89	59	MS	FR		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
144.78	147.22	2.44	2.44	100	0.80	33	MS	FR		
147.22	149.35	2.13	2.08	98	1.70	80	MS	FR		
149.35	152.40	3.05	3.05	100	2.73	90	MS	FR		
152.40	155.45	3.05	3.04	100	2.33	76	MS	FR		
155.45	157.58	2.13	2.13	100	1.74	82	MS	FR		
157.58	161.54	3.96	3.02	76	2.85	72	MS	FR		
161.54	164.59	3.05	3.05	100	2.77	91	MS	FR		
164.59	167.64	3.05	3.05	100	1.28	42	MS	SW		
167.64	170.38	2.74	2.65	97	1.90	69	MS	FR		
170.38	173.58	3.20	3.20	100	3.00	94	MS	FR		
173.58	175.56	1.98	1.98	100	1.48	75	MS	FR		
175.56	176.48	0.92	0.80	87	0.31	34	MS	FR		
176.48	179.22	2.74	2.55	93	1.53	56	MS	FR		
179.22	182.58	3.36	3.36	100	2.38	71	MS	FR		
182.58	185.62	3.04	3.04	100	2.79	92	MS	FR		
185.62	188.82	3.20	3.17	99	2.54	79	MS	FR		
188.82	192.02	3.20	3.12	97	2.82	88	MS	FR		
192.02	195.07	3.05	3.05	100	2.97	97	MS	FR		
195.07	198.12	3.05	3.05	100	2.85	93	MS	FR		
198.12	201.17	3.05	3.03	99	2.14	70	MS	FR		
201.17	204.22	3.05	2.95	97	1.55	51	MS	FR		
204.22	207.26	3.04	3.04	100	2.25	74	MS	FR		
207.26	210.31	3.05	3.05	100	2.67	88	MS	FR		
210.31	213.36	3.05	3.05	100	1.95	64	MS	FR		
213.36	215.19	1.83	1.75	96	0.10	5	MS	SW		
215.19	217.32	2.13	2.05	96	0.40	19	MS	SW		
217.32	219.46	2.14	2.14	100	1.14	53	MS	SW		
219.46	221.28	1.82	1.82	100	0.34	19	MS	SW		
221.28	222.05	0.77	0.60	78	0.00	0	MS	SW		
222.05	222.96	0.91	0.75	82	0.00	0	W	SW		
222.96	224.03	1.07	1.00	93	0.00	0	W	MW		
224.03	224.94	0.91	0.89	98	0.00	0	MS	SW		
224.94	225.86	0.92	0.76	83	0.00	0	MS	SW		
225.86	228.30	2.44	2.44	100	0.75	31	MS	SW		
228.30	231.19	2.89	2.76	96	1.34	46	MS	SW		
231.19	234.24	3.05	3.00	98	2.05	67	MS	FR		
234.24	237.29	3.05	3.05	100	2.64	87	MS	FR		
237.29	240.49	3.20	3.04	95	2.74	86	MS	FR		
240.49	243.54	3.05	3.05	100	2.50	82	MS	FR		
243.54	246.74	3.20	3.07	96	2.74	86	MS	FR		
246.74	249.78	3.04	3.04	100	2.90	95	MS	FR		
249.78	252.98	3.20	3.05	95	2.41	75	MS	FR		
252.98	254.51	1.53	1.40	92	1.26	82	MS	FR		
254.51	257.56	3.05	3.05	100	2.10	69	MS	FR		
257.56	260.60	3.04	3.00	99	2.40	79	MS	FR		
260.60	263.65	3.05	3.04	100	2.85	93	MS	FR		
263.65	266.70	3.05	3.00	98	2.80	92	MS	FR		
266.70	269.75	3.05	2.95	97	1.88	62	MS	FR		
269.75	272.80	3.05	3.05	100	2.09	69	MS	FR		
272.80	275.84	3.04	3.04	100	2.34	77	MS	FR		
275.84	278.90	3.06	3.05	100	2.48	81	MS	FR		
278.90	281.94	3.04	3.04	100	2.45	81	MS	FR		
281.94	284.99	3.05	3.02	99	1.72	56	MS	FR		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
284.99	288.04	3.05	3.05	100	1.98	65	MS	FR		
288.04	288.95	0.91	0.91	100	0.27	30	MS	FR		
288.95	289.86	0.91	0.91	100	0.50	55	MS	FR		
289.86	292.76	2.90	2.75	95	1.48	51	MS	FR		
292.76	295.66	2.90	2.64	91	1.00	34	MS	FR		
295.66	298.70	3.04	3.01	99	1.71	56	MS	FR		
298.70	301.75	3.05	3.05	100	2.00	66	MS	FR		
301.75	304.80	3.05	3.03	99	1.65	54	MS	FR		
304.80	307.54	2.74	2.63	96	1.34	49	MS	FR		
307.54	309.68	2.14	2.05	96	0.96	45	MS	FR		
309.68	310.13	0.45	0.29	64	0.25	56	MS	FR		
310.13	313.18	3.05	2.94	96	1.90	62	MS	FR		
313.18	316.23	3.05	3.03	99	1.39	46	MS	FR		
316.23	319.43	3.20	3.13	98	1.50	47	MS	FR		
319.43	322.48	3.05	3.05	100	2.34	77	MS	FR		
322.48	325.53	3.05	3.03	99	2.96	97	MS	FR		
325.53	328.73	3.20	3.05	95	2.80	87	MS	FR		
328.73	331.93	3.20	3.11	97	2.66	83	MS	FR		
331.93	335.13	3.20	3.10	97	2.98	93	MS	FR		
335.13	338.33	3.20	3.07	96	2.50	78	MS	FR		
338.33	341.38	3.05	3.05	100	2.45	80	MS	FR		
341.38	344.42	3.04	3.05	100	2.60	86	MS	FR		
344.42	347.47	3.05	3.05	100	2.67	88	MS	FR		
347.47	350.52	3.05	3.04	100	2.52	83	MS	FR		
350.52	353.57	3.05	3.04	100	2.65	87	MS	FR		
353.57	356.62	3.05	3.05	100	2.25	74	MS	FR		
356.62	359.66	3.04	3.00	99	2.34	77	MS	FR		
359.66	362.71	3.05	3.05	100	2.43	80	MS	FR		
362.71	365.76	3.05	3.05	100	1.52	50	MS	FR		
365.76	368.20	2.44	2.44	100	1.25	51	MS	FR		
368.20	370.33	2.13	2.09	98	0.72	34	MS	FR		
370.33	373.38	3.05	2.93	96	1.60	52	MS	FR		
373.38	376.43	3.05	3.05	100	2.48	81	MS	FR		
376.43	379.48	3.05	3.03	99	2.04	67	MS	SW		
379.48	381.61	2.13	0.89	42	0.00	0	W	HW		FAULT?
381.61	381.91	0.30	0.29	97	0.00	0	W	HW		FAULT?
381.91	384.20	2.29	2.09	91	1.49	65	MS	SW		FAULT?
384.20	387.10	2.90	2.90	100	2.70	93	MS	FR		
387.10	390.14	3.04	3.03	100	2.55	84	MS	FR		
390.14	393.19	3.05	3.04	100	2.35	77	MS	FR		
393.19	396.24	3.05	3.03	99	2.84	93	H	FR		
396.24	399.29	3.05	3.02	99	2.90	95	H	FR		
399.29	402.34	3.05	3.03	99	2.91	95	H	FR		
402.34	405.38	3.04	3.04	100	3.01	99	H	FR		
405.38	408.43	3.05	3.00	98	2.83	93	H	FR		
408.43	E.O.H.									

MAGNETIC SUSCEPTIBILITY LOG

HOLE: RAU-10-87

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	OVB		N/A	
2.00	OVB		N/A	
3.00	OVB		N/A	
4.00	OVB		N/A	
5.00	LST	FOS	0.00	
6.00	LST	FOS	0.00	
7.00	LST	FOS	0.04	
8.00	LST	FOS	0.00	
9.00	LST	FOS	0.06	
10.00	LST	FOS	0.00	
11.00	LST	FOS	0.00	
12.00	LST	FOS	0.08	
13.00	LST	FOS	0.00	
14.00	LST	FOS	0.00	
15.00	LST	FOS	0.00	
16.00	LST	FOS	0.00	
17.00	LST	FOS	0.00	
18.00	LST	FOS	0.00	
19.00	LST	FOS	0.00	
20.00	LST	FOS	0.00	
21.00	LST	FOS	0.00	
22.00	LST	FOS	0.98	
23.00	LST	FOS	0.00	
24.00	LST	FOS	0.00	
25.00	LST	FOS	0.14	
26.00	LST	FOS	0.24	
27.00	LST	FOS	0.02	
28.00	LST	FOS	0.00	
29.00	LST	FOS	0.02	
30.00	LST	FOS	0.00	
31.00	LST	FOS	0.00	
32.00	LST	FOS	0.00	
33.00	LST	FOS	0.00	
34.00	LST	FOS	0.00	
35.00	LST	FOS	0.00	
36.00	LST	FOS	0.08	
37.00	LST	FOS	0.26	
38.00	LST	FOS	0.14	
39.00	LST	FOS	0.04	
40.00	LST	FOS	0.04	
41.00	LST	FOS	0.00	
42.00	LST	FOS	0.00	
43.00	LST	FOS	0.02	
44.00	LST	FOS	0.00	
45.00	LST	FOS	0.02	
46.00	LST	FOS	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
47.00	LST	FOS	0.02	
48.00	LST	FOS	0.00	
49.00	LST	FOS	0.00	
50.00	LST	FOS	0.00	
51.00	LST	FOS	0.06	
52.00	LST	FOS	0.00	
53.00	LST	FOS	0.20	
54.00	LST	FOS	0.00	
55.00	LST	FOS	0.00	
56.00	LST	FOS	0.00	
57.00	LST	FOS	0.00	
58.00	LST	FOS	0.00	
59.00	LST	FOS	0.00	
60.00	LST	FOS	0.10	
61.00	LST	FOS	0.00	
62.00	LST	FOS	0.02	
63.00	LST	FOS	0.00	
64.00	LST	FOS	0.00	
65.00	LST		0.06	
66.00	LST		0.00	
67.00	LST		0.00	
68.00	LST		0.00	
69.00	LST		0.02	
70.00	LST		0.00	
71.00	LST		0.00	
72.00	LST		0.00	
73.00	LST		0.00	
74.00	LST		0.00	
75.00	LST		0.00	
76.00	LST		0.00	
77.00	LST		0.00	
78.00	LST		0.02	
79.00	LST		0.00	
80.00	LST	MBL	0.02	
81.00	LST	MBL	0.02	
82.00	LST	MBL	0.10	
83.00	LST	MBL	0.10	
84.00	LST	MBL	0.00	
85.00	LST	MBL	0.08	
86.00	LST	MBL	0.02	
87.00	LST	MBL	0.00	
88.00	LST	MBL	0.00	
89.00	LST	MBL	0.04	
90.00	LST	MBL	0.06	
91.00	LST	MBL	0.00	
92.00	LST	FOS	0.10	
93.00	LST	FOS	0.00	
94.00	LST	FOS	0.02	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
95.00	LST	FOS	0.10	
96.00	LST	FOS	0.06	
97.00	LST	FOS	0.06	
98.00	LST	FOS	0.20	
99.00	LST	FOS	0.10	
100.00	LST	FOS	0.02	
101.00	LST	MBL	0.10	
102.00	LST	MBL	0.02	
103.00	LST	MBL	0.02	
104.00	LST	MBL	0.06	
105.00	MBL		0.04	
106.00	DOL	MX	2.25	
107.00	DOL	MX	1.59	
108.00	DOL	MX	2.17	
109.00	DOL	MX	1.80	
110.00	DOL	MX	0.28	
111.00	DOL	MX	3.89	
112.00	DOL	MX	0.43	
113.00	DOL	MX	0.36	
114.00	MBL		0.00	
115.00	VOL		0.26	
116.00	VOL		5.06	
117.00	VOL		3.19	
118.00	VOL		0.24	
119.00	VOL		3.28	
120.00	VOL		0.20	
121.00	VOL		0.04	
122.00	VOL		0.63	
123.00	VOL		1.31	
124.00	VOL		12.00	
125.00	VOL		0.45	
126.00	VOL		0.57	
127.00	VOL		68.50	
128.00	VOL		0.90	
129.00	VOL		0.82	
130.00	VOL		0.69	
131.00	VOL		0.38	
132.00	VOL		0.61	
133.00	VOL		3.11	
134.00	VOL		1.18	
135.00	VOL		2.39	
136.00	VOL		2.99	
137.00	LST	DOL	0.00	
138.00	LST	DOL	1.04	
139.00	LST	DOL	0.45	
140.00	LST	DOL	0.67	
141.00	LST	DOL	0.00	
142.00	LST	DOL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
143.00	LST	DOL	9.12	
144.00	LST	DOL	5.08	
145.00	LST	DOL	11.70	
146.00	LST	DOL	0.96	
147.00	LST	DOL	1.02	
148.00	LST	DOL	0.00	
149.00	LST	DOL	0.00	
150.00	LST	DOL	0.02	
151.00	LST	DOL	0.00	
152.00	LST	DOL	0.00	
153.00	LST	DOL	0.00	
154.00	LST	DOL	0.00	
155.00	LST	DOL	0.00	
156.00	LST	DOL	0.00	
157.00	LST	DOL	0.00	
158.00	LST	DOL	0.00	
159.00	LST	DOL	0.00	
160.00	LST	DOL	0.00	
161.00	LST	DOL	0.06	
162.00	LST	DOL	0.00	
163.00	LST	DOL	0.00	
164.00	LST	DOL	0.00	
165.00	LST	DOL	0.00	
166.00	LST	DOL	0.04	
167.00	LST	DOL	0.04	
168.00	LST	DOL	0.00	
169.00	LST	DOL	0.00	
170.00	LST	DOL	0.04	
171.00	LST	DOL	0.00	
172.00	LST	DOL	0.26	
173.00	LST	DOL	0.22	
174.00	LST	DOL	0.00	
175.00	LST	DOL	0.00	
176.00	LST	DOL	0.12	
177.00	LST	DOL	0.00	
178.00	LST	DOL	0.00	
179.00	LST	DOL	0.00	
180.00	LST	DOL	0.00	
181.00	LST	DOL	0.00	
182.00	LST	DOL	0.06	
183.00	LST	DOL	0.00	
184.00	LST	DOL	0.00	
185.00	LST	DOL	0.00	
186.00	LST	DOL	0.12	
187.00	LST	DOL	0.00	
188.00	LST	DOL	0.00	
189.00	LST	DOL	0.04	
190.00	LST	DOL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
191.00	LST	DOL	0.00	
192.00	LST	DOL	0.00	
193.00	LST	DOL	0.00	
194.00	LST	DOL	0.00	
195.00	LST	DOL	0.00	
196.00	LST	DOL	0.00	
197.00	LST	DOL	0.00	
198.00	LST	DOL	0.00	
199.00	LST	DOL	0.00	
200.00	LST	DOL	0.00	
201.00	LST	DOL	0.04	
202.00	LST	DOL	0.12	
203.00	LST	DOL	0.00	
204.00	LST	DOL	0.12	
205.00	LST	DOL	0.08	
206.00	LST	DOL	0.04	
207.00	LST	DOL	0.00	
208.00	LST	DOL	0.00	
209.00	LST	DOL	0.14	
210.00	LST	DOL	0.00	
211.00	LST	DOL	0.00	
212.00	LST	DOL	0.20	
213.00	LST	DOL	0.06	
214.00	LST	DOL	0.00	
215.00	LST	DOL	0.20	
216.00	LST	DOL	0.06	
217.00	LST	DOL	0.06	
218.00	LST	DOL	0.00	
219.00	LST	DOL	2.31	
220.00	LST	DOL	0.18	
221.00	LST	DOL	0.26	
222.00	LST	DOL	0.06	
223.00	LST	DOL	0.08	
224.00	LST	DOL	0.08	
225.00	LST	DOL	0.04	
226.00	LST	DOL	0.10	
227.00	LST	DOL	0.04	
228.00	LST	DOL	0.00	
229.00	LST	DOL	0.00	
230.00	LST	DOL	0.02	
231.00	LST	DOL	0.04	
232.00	LST	DOL	0.00	
233.00	LST	DOL	0.04	
234.00	LST	DOL	0.04	
235.00	LST	DOL	0.02	
236.00	LST	DOL	0.00	
237.00	LST	DOL	0.06	
238.00	LST	DOL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
239.00	LST	DOL	0.00	
240.00	LST	DOL	0.06	
241.00	LST	DOL	0.00	
242.00	LST	DOL	0.04	
243.00	VOL		0.04	
244.00	VOL		0.06	
245.00	VOL		0.02	
246.00	VOL		0.06	
247.00	VOL		0.00	
248.00	VOL		0.02	
249.00	VOL		0.04	
250.00	VOL		0.08	
251.00	VOL		0.02	
252.00	VOL		8.81	
253.00	VOL		0.57	
254.00	LST		5.61	
255.00	LST		31.80	
256.00	LST		4.71	
257.00	LST		0.08	
258.00	LST		0.18	
259.00	LST		0.06	
260.00	LST		1.59	
261.00	LST		0.12	
262.00	LST		0.90	
263.00	LST		2.35	
264.00	LST		49.40	
265.00	LST		15.40	
266.00	LST		27.50	
267.00	LST		24.50	
268.00	LST		40.90	
269.00	LST		1.64	
270.00	LST		4.65	
271.00	LST		6.35	
272.00	LST		10.10	
273.00	LST	DOL	11.30	
274.00	LST	DOL	0.22	
275.00	LST	DOL	0.08	
276.00	LST	DOL	0.30	
277.00	LST	DOL	2.43	
278.00	LST	DOL	0.43	
279.00	LST	DOL	1.37	
280.00	DOL	MX	9.12	
281.00	DOL	MX	0.16	
282.00	DOL	MX	0.00	
283.00	DOL	MX	0.28	
284.00	DOL	MX	0.10	
285.00	DOL	MX	0.12	
286.00	DOL		0.53	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
287.00	DOL		0.22	
288.00	DOL		0.22	
289.00	DOL		0.10	
290.00	DOL		0.08	
291.00	DOL		0.28	
292.00	DOL		0.12	
293.00	DOL		0.14	
294.00	DOL		0.08	
295.00	DOL		0.00	
296.00	DOL		0.02	
297.00	LST	DOL	0.10	
298.00	LST	DOL	0.00	
299.00	LST	DOL	0.00	
300.00	LST	DOL	0.14	
301.00	LST	DOL	0.04	
302.00	LST	DOL	0.14	
303.00	LST	DOL	0.00	
304.00	LST	DOL	0.00	
305.00	LST	DOL	0.00	
306.00	DOL	MX	0.00	
307.00	DOL	MX	0.18	
308.00	SHL		0.80	
309.00	DOL	MX	0.28	
310.00	LST	DOL	0.00	
311.00	LST	DOL	0.00	
312.00	LST	DOL	0.00	
313.00	LST	DOL	0.43	
314.00	LST	DOL	0.22	
315.00	LST	DOL	0.00	
316.00	LST	DOL	0.00	
317.00	LST	DOL	0.00	
318.00	LST	DOL	0.00	
319.00	LST	DOL	0.00	
320.00	LST	DOL	0.00	
321.00	DOL	MX	0.00	
322.00	DOL	MX	0.00	
323.00	LST	DOL	0.00	
324.00	LST	DOL	0.00	
325.00	LST	DOL	0.00	
326.00	LST	DOL	0.12	
327.00	DOL	MX	2.56	
328.00	DOL	MX	2.11	
329.00	DOL	MX	0.00	
330.00	DOL	MX	0.00	
331.00	DOL	MX	0.00	
332.00	DOL	MX	0.14	
333.00	DOL	MX	0.00	
334.00	LST		0.06	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
335.00	LST		0.00	
336.00	LST		0.08	
337.00	LST		0.22	
338.00	LST		0.02	
339.00	LST		0.08	
340.00	LST		0.00	
341.00	LST		0.00	
342.00	LST		0.04	
343.00	LST		0.00	
344.00	LST		0.00	
345.00	LST		0.00	
346.00	LST		0.00	
347.00	LST		0.00	
348.00	LST		0.00	
349.00	LST		0.00	
350.00	LST		0.00	
351.00	LST		0.00	
352.00	LST		0.98	
353.00	LST		0.06	
354.00	LST	DOL	0.61	
355.00	LST	DOL	0.08	
356.00	LST	DOL	0.00	
357.00	LST	DOL	0.08	
358.00	LST	DOL	0.22	
359.00	LST	DOL	1.10	
360.00	LST		0.00	
361.00	LST		2.13	
362.00	LST		0.08	
363.00	LST		0.38	
364.00	LST		0.06	
365.00	LST		0.00	
366.00	LST		0.00	
367.00	LST		0.00	
368.00	LST		0.00	
369.00	LST		0.00	
370.00	LST		0.00	
371.00	LST		0.00	
372.00	LST		0.00	
373.00	LST		0.04	
374.00	LST		0.00	
375.00	LST		0.06	
376.00	LST		0.04	
377.00	LST		0.12	
378.00	LST		0.00	
379.00	LST		0.12	
380.00	LST		0.30	
381.00	LST		0.41	
382.00	LST		0.08	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
383.00	DOL		0.38	
384.00	DOL		0.34	
385.00	DOL		0.26	
386.00	DOL		0.38	
387.00	DOL		0.00	
388.00	DOL		0.02	
389.00	DOL		0.53	
390.00	DOL		0.02	
391.00	DOL		0.00	
392.00	DOL		0.69	
393.00	DOL		4.20	
394.00	LEP		3.99	
395.00	LEP		15.90	
396.00	LEP		4.18	
397.00	LEP		15.70	
398.00	LEP		7.56	
399.00	LEP		5.74	
400.00	LEP		11.10	
401.00	LEP		8.85	
402.00	LEP		9.53	
403.00	LEP		7.13	
404.00	LEP		2.87	
405.00	LEP		4.20	
406.00	LEP		4.92	
408.00	LEP		5.39	
408.00	LEP		2.37	

DENSITY LOG

HOLE: RAU-10-87

Depth (m)	Unit	Modifier	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
			Py %	As %	Other	%							
51.19	LST	FOS						14.8	4.2	563.2	356.3	2.80	2.72
88.35	LST						Banded Texure	15.4	4.2	585.5	370.4	2.80	2.72
106.85	DOL	ANK	30	f			Banded Texure, Tiger Zone	14.8	4.2	770.3	565.4	3.83	3.76
133.95	VOL	SER					Amygdaloidal Texture	14.9	4.2	597.9	387.9	2.95	2.85
144.00	LST	DOL			Po	3	Brecciated	14.6	4.2	607.7	403.1	3.06	2.97
154.10	LST	DOL					Brecciated	14.8	4.2	591.5	382.8	2.94	2.83
192.79	LST	DOL					Brecciated	14.9	4.2	585.0	378.9	2.89	2.84
217.68	LST	DOL			Qz	4		14.8	4.2	586.0	378.2	2.91	2.82
251.80	VOL	SER	t				Banded Texure	15.2	4.2	571.6	361.0	2.77	2.71
255.06	Qz	VN	t					15.1	4.2	578.9	368.1	2.82	2.75
266.40	Po	VN	t					15.0	4.2	859.9	652.3	4.22	4.14
271.77	Qz	VN						15.0	4.2	565.0	355.0	2.77	2.69
283.67	DOL	Py	f					14.8	4.2	624.9	416.9	3.11	3.00
284.66	DOL	Py	m					15.1	4.2	731.4	522.6	3.57	3.50
326.40	DOL	MX	f				Foliated	15.2	4.2	677.4	469.0	3.28	3.25
340.77	LST	DOL	t				Crackle brecciated	14.8	4.2	585.0	379.3	2.91	2.84
354.10	LST	FO	t					14.9	4.2	590.4	384.3	2.92	2.86
357.53	DOL	MX	m					14.7	4.2	678.5	474.3	3.40	3.32
372.35	LST	DOL	t				Solution collapse brecciated	15.0	4.2	583.8	376.8	2.86	2.82
385.95	DOL	Py	w					15.1	4.2	613.2	404.0	2.99	2.93
389.00	DOL	Py	w					14.9	4.2	642.4	436.0	3.17	3.11
403.85	LEP	FO			Po	w		14.9	4.2	581.9	375.9	2.87	2.82

BOX LOG

HOLE: RAU-10-87

BOX	FROM (m)	TO (m)
1	4.36	9.55
2	9.55	15.24
3	15.24	20.79
4	20.79	26.33
5	26.33	32.20
6	32.20	37.67
7	37.67	43.28
8	43.28	48.77
9	48.77	54.40
10	54.40	59.94
11	59.94	65.53
12	65.53	71.06
13	71.06	76.51
14	76.51	82.03
15	82.03	87.77
16	87.77	93.41
17	93.41	99.06
18	99.06	104.73
19	104.73	110.10
20	110.10	115.63
21	115.63	121.06
22	121.06	126.51
23	126.51	132.19
24	132.19	137.59
25	137.59	143.26
26	143.26	148.91
27	148.91	154.39
28	154.39	160.71
29	160.71	166.45
30	166.45	171.81
31	171.81	177.18
32	177.18	182.58
33	182.58	188.02
34	188.02	193.58
35	193.58	199.27
36	199.27	204.94
37	204.94	210.31
38	210.31	215.87
39	215.87	221.30
40	221.18	225.71
41	225.71	232.94
42	232.94	236.30
43	236.30	242.02
44	242.02	247.58
45	247.58	252.88
46	252.88	258.45
47	258.45	263.95
48	263.95	269.69
49	269.69	275.04
50	275.04	280.60
51	280.60	286.17
52	286.17	291.50
53	291.50	297.38
54	297.38	302.59
55	302.59	308.14
56	308.14	313.28
57	313.28	318.76
58	318.76	324.36
59	324.36	330.03
60	330.03	335.76
61	335.76	341.58
62	341.58	346.95
63	346.95	352.42
64	352.42	358.05
65	358.05	363.65
66	363.65	368.85
67	368.85	374.61
68	374.61	376.43
69	376.43	382.33
70	382.33	388.04
71	388.04	393.52
72	393.52	399.02
73	399.02	404.60
74	404.60	408.43
408.43 m - E.O.H		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
10+250NW	10+084NE	528390	7119288	1337	115.82

ZONE: Oxide

SECTION: 10+250NW

HOLE: **Rau-10-88**

CLAIM: Rau 69

Contractor: Superior

Drill: 2

Core size: HQ

Casing depth: 4.57 m out

Drilling dates: June 24 - 29, 2010

Geology logged by: K. Wynne

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-60.0	compass	70.10	232	-60.0	Ranger
9.10	231	-60.0	Ranger	85.40	229	-60.1	Ranger
24.40	232	-59.7	Ranger	100.60	229	-60.0	Ranger
54.90	232	-59.8	Ranger	114.30	229	-61.2	Ranger

TARGET: Oxide Zone

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	3.66	3.66	OVB	
3.66	31.00	27.34	LST	Variably MBL altered
31.00	109.57	78.57	OX	
109.57	115.82	6.25	MBL	
115.82	E.O.H.			

SAMPLES

Numbers: I075545-I075598, I075649-I075665, I075849-I075850

Total: 73

Batch: 30, 31, 32, 33, 38

Date Sent: July 1, 2, 3, 4, 7, 2010

Certificate: VA10089852, VA10090964, VA10090965, VA10090963, VA10094121

COMMENTS

The hole was ended because it was through the targeted oxide and into the marble.

GEOLOGY LOG

HOLE: Rau-10-88

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	3.66	3.66				OVB			Overburden - no recovery																		
3.66	31.00	27.34				LST	MBL		White to medium grey, FG to vCG, fair to intense MBL LST. The interval is very broken with zones of orange-brown altered VOL, and a surficial orange brown coating on broken surfaces throughout the interval.																		
			3.66	6.34	2.68	LST			Medium grey, FG, foliated LST with fair MBL alteration. Ca blebs have been elongated by the strain. Light brown alteration occurs in layers and patches throughout.	FO	55																
			6.34	7.72	1.38	LST	VOL		Dark grey VOL rich LST with orange brown alteration patches. The interval is rubbly and fizzes with 10% HCl. Portions of rubble break along FO, with a sheen on broken surfaces.																			
			7.72	7.95	0.23	OX	VOL		Light orange-brown clay to rubble, incohesive, doesn't fizz. Rubble has planar shape.							m											
			7.95	9.14	1.19	LST	OX	RBL	Medium grey variably rubbly LST. The rubble ranges up to ~6 cm sized fragments, with medium brown clay to silt sized intervals throughout. Some VOL rubble is mixed within toward end of interval.							f											
			9.14	10.10	0.96	OX	VOL		Orange brown non-calcareous clay to grit, that is incohesive to semi-cohesive. Grit is more planar.							i											
			10.10	11.37	1.27	VOL	SER		Light yellow grit to rubble that is semicohesive and planar. Dark orange-brown layers of clay to silt is concentrated in the last 10 cm.							m		SER	i								
			11.11	11.25	0.14	QZ	GRT		Quartz rich interval, light grey to black rubble up to 5 cm in diameter.																		
			11.25	15.24	3.99	LST	MBL	RBL	Light grey, strongly to intensely MBL medium grained limestone. The Fo is defined by medium grey layers of stringers which appear overprinted. The interval overall is very rubble.	FO	45																
			15.24	16.26	1.02	OX	VOL		Medium orange-brown non-calcareous clay to sem cohesive core which flakes easily and has a green-grey sheen its surface.																		
			16.26	18.28	2.02	LST	OX	RBL	White to black, vCG Ca with a wispy lineated texture on core surface and <5 cm rubbly sections o orange-brown clay within the LST rubble.																			
			18.28	31.00	12.72	LST	MBL		Light to medium grey, very rubbly, moderately to intensely MBL limestone. FO is defined by dark bands. Patches of MG white/dark grey spotted Ca, elongate along FO. Orange brown clay and silt thinly covers fractured surfaces and forms intervals up to 5 cm thick.	FO	50																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
31.00	109.57	78.57				OX			Dark orange-brown non-calcareous clay to rubble with small pieces of cohesive relatively unaltered core, and sections containing Qz rubble.							i											x
			31.00	31.12	0.12	VOL	SER		Light blue grey to light orange interval with platy SER altered grit. Weakly calcareous and moderately oxidized.							m		SER	i								
			31.12	40.95	9.83	OX			is black with a sheen. Most of interval clay to silt. Qz occurs as sand sized particles found locally concentrated throughout. An interval of LST rubble fall into the hole although some may belong within the interval.							i	m										
			36.58	36.70	0.12	RBL			Collapsed LST rubble from uphole. Not sampled.																		
			38.10	38.23	0.13	RBL			Fall-in light grey clay and LST rubble. Not sampled.																		
			38.23	38.44	0.21	OX	Qz	RBL	Qz rubble rich interval with Qz fragments up to 1 cm in diameter.																		
			40.95	42.15	1.20	OX	RBL		Dark brown to black rubble to 5 cm long core fragments with sheen on surface. Qz rubble, sand sized.							m	i									
			42.15	42.60	0.45	OX			Medium red-brown clay to silt with FG elongate yellow pieces (remnant SER VOL?)							s										
			42.60	52.14	9.54	OX			Medium orange-brown to dark red-brown clay to rubble, predominantly clay. Semicohesive to incohesive. Local Qz rubble.							i											
			48.50	49.10	0.60	OX	SID	RBL	Medium to dark brown solid core and rubble. Broken surfaces have black sheen.							s	m									
			50.90	51.04	0.14	LST	OX		Medium grey, unoxidized ~ 3 cm thick fragments of LST in the OX interval.																		
			51.12	51.27	0.15	OX	Qz		High density of Qz rubble up to 4 cm in diameter.																		
			52.14	54.86	2.72	OX			Light brown with dark brown patches, clay to rubble, predominantly silt, with dark brown to black rubble zones.							i	m										x
			53.07	53.21	0.14	OX	Qz		High density of Qz rubble up to 1 cm in diameter.																		
			54.86	56.39	1.53	Qz			"Drop Quartz"; very poor recovery. Qz piece up to 4 cm in diameter.																		
			56.39	58.56	2.17	OX			Medium orange-brown clay to grit, Qz rich. Core fragments up to 6 cm in diameter, with the majority forming ~0.5 cm rubble.																		
			59.38	60.96	1.58	OX			Medium orange-brown to dark brown/black sheen coated fragments mainly clay to rubble and predominantly grit. Core pieces up to 6 cm long have massive FG Py.							s	s			m							

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							PHOTO
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			60.96	62.12	1.16	OX			Medium orange-brown to red-brown semi-cohesive clay to solid core with massive Py up to 4 cm long.							s				m							x
			62.12	63.50	1.38	OX			Bright orange-brown, semi-cohesive clay to rubble (mostly silt).							i											
			63.50	64.18	0.68	OX			Medium brown silt to rubble up to 3 cm long.							s											
			64.18	65.42	1.24				Red-brown to dark brown clay to rubble, mainly silt. Semi-cohesive with moderate SID alteration.							s	m										
			65.42	67.61	2.19	OX	RBL		Dark red-brown clay to solid core up to 7 cm long. Predominantly rubble, with black sheen on fractured surfaces.							i	ms										
			67.61	68.05	0.44	OX	CLY		Light yellow to medium green-grey semi-cohesive non-calcareous clay to grit. Local more cohesive light purple zones. Possibly LIM.									LIM	i								
			68.05	68.75	0.70	OX	RBL		Medium green-grey and orange to red-brown nor calcareous clay to core, predominantly rubble. Gradational uCN and lCN.	CN						s											
			68.75	69.13	0.38	OX	RBL		Dark red to orange-brown, non-calcareous silt tc solid core. Predominantly rubble.							s											
			69.13	70.89	1.76	CLY			Blue-grey non-calcareous clay to grit, ~20% Qz with Qz rubble up to 0.5 cm. Small orange brown patches.																		
			70.89	71.69	0.80	OX	Qz		Orange-brown and blue-grey clay to rubble, predominantly grit. 5% Qz pieces up to 2 cm diameter, and large amount of vFG Qz within blue grey clay to silt. Cohesive core has MG round dark red mineral on surface and as rubble beside it. 4 cm thick blue-grey piece with rounded pebbles ~0.5 cm in diameter at lower contact.							s											x
			71.69	72.41	0.72	OX			Light yellow to orange, non-calcareous, clay to solic core, with a gradational uCN and lCN. Relic cBX texture is seen on fracture surfaces .(Yellow possibly LIM?)							m		LIM	s								x
			72.41	80.58	8.17	OX			Bright orange-brown to red-brown, clay to grit, predominantly clay. Holds core shape, but breaks easily.							i											x
			80.58	80.95	0.37	OX			Bright red surface with local metallic sheen. Broken core has yellow-orange and dark purple colouration (SID and LIM). Core is solid, with clay sections. Qz blebs occur on fractures.							s	s	LIM	s								
			80.95	86.78	5.83	OX			Medium brown to black clay to rubble, predominantly rubble, with light yellow-orange clay increasing down interval. Sections of cohesive core occur within. Fg shiny yellow white flakes in patches (mica?).							s	i										

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			81.87	82.47	0.60	OX			Cohesive core to rubble, red to orange brown. Light orange ~0.5 cm angular patches in black matrix; remnant mBX? Metallic sheen on surface of core.							s	s										x
			83.82	83.92	0.10	QZ			Qz and MG light yellow, very reflective platy mineral (Mica) on surfaces of medium brown to black SID rich RBL.							s	i									
			86.78	91.60	4.82	OX			Light orange-brown to light yellow, clay to solid core ~50% solid core locally indenifiable as SER VOL, with pervasive OX and SID alteration. Gradational uCN.							s	s									
			91.60	96.89	5.29	OX			Very light yellow-beige, clay to grit. Predominantly clay. Holds core shape, but squishes easily. Toward end of interval, appears to have relict FO defined by dark brown bands of grit which are more competent than the surrounding yellow clay. Core preferentially fractured along FO. Planar habit of clay on broken surfaces and high Ti and K on XRF indicate VOL origin. lCN gradational, with the appearance of dark red-brown layers and spotting. uCN is sharp.	FO	35					i										
			96.89	97.54	0.65				Light orange-brown clay to rubble, predominantly clay. Light to dark red-brown spots within core.							i										
			97.54	109.57	12.03				Orange-brown and black clay to unbroken core. Clay rich zones more orange brown, while rubble and core largely black with trace grey coating. Medium green-grey colour seen on broken surfaces.							s	i									x
109.57	115.82	6.25				MBL			White, MG, with orange brown clay to grit layers ~ 4 cm thick. Medium brown to dark brown stringers and alteration patches.																	
									115.82 m - E.O.H. The hole was ended because it was through the targeted oxide unit and into marble.																	

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-88

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
6.10	7.72	1.62	LST		0.71	44	I075545	30	0.01	0.24	15	0.25	
7.72	9.14	1.42	LST		0.73	51	I075546	30	0.01	0.33	80	7.60	
9.14	10.10	0.96	LST		0.80	83	I075547	30	0.01	0.55	3200	847.00	
10.10	11.25	1.15	LST		0.66	57	I075548	30	<0.01	0.39	135	21.90	
11.25	13.00	1.75	LST		1.01	58	I075549	30	0.01	0.04	20	0.86	
13.00	15.24	2.24	LST		0.80	36	I075550	30	0.01	0.05	26	0.36	
15.24	16.26	1.02	LST		0.76	75	I075551	30	<0.01	0.34	50	0.31	
16.26	18.28	2.02	LST		0.97	48	I075552	30	<0.01	0.10	68	0.57	
18.28	19.81	1.53	LST		1.06	69	I075553	30	0.02	0.20	104	0.75	
28.96	31.00	2.04	LST		1.27	62	I075555	30	0.02	0.18	168	0.60	
31.00	33.53	2.53	OX		1.28	51	I075556	30	0.66	3.35	5870	731.00	
33.53	35.05	1.52	OX		0.97	64	I075557	30	1.23	7.35	6210	799.00	
35.05	36.58	1.53	OX		0.78	51	I075558	30	0.65	6.78	5460	942.00	
36.58	38.10	1.52	OX		0.57	37	I075559	30	1.88	6.05	5340	311.00	
38.10	39.62	1.52	OX		1.34	88	I075561	30	0.80	7.28	8360	699.00	
39.62	42.67	3.05	OX		1.45	48	I075562	30	1.02	8.67	8460	511.00	
42.67	44.20	1.53	OX		0.34	22	I075564	30	1.09	7.29	11650	458.00	
44.20	45.72	1.52	OX		0.63	41	I075565	30	3.19	2.85	32100	616.00	
45.72	47.24	1.52	OX		1.13	74	I075566	30	1.69	1.70	24000	326.00	
47.24	48.77	1.53	OX		0.70	46	I075567	30	1.92	1.21	17300	508.00	
48.77	50.29	1.52	OX		0.91	60	I075568	30	1.35	0.66	26600	570.00	
50.29	51.82	1.53	OX		1.17	76	I075570	30	0.72	1.08	16750	604.00	
51.82	53.34	1.52	OX		1.24	82	I075571	30	0.23	1.03	6280	180.00	
53.34	54.86	1.52	OX		1.03	68	I075572	30	0.17	1.61	3640	138.50	
54.86	56.39	1.53	OX		0.12	8	I075573	30	0.19	2.74	1165	168.00	
56.39	57.91	1.52	OX		0.51	34	I075574	30	0.96	16.50	5150	320.00	
57.91	59.43	1.52	OX		1.20	79	I075576	30	1.17	2.76	5190	527.00	
59.43	60.96	1.53	OX		0.99	65	I075577	30	1.43	20.40	8720	488.00	
60.96	62.48	1.52	OX		1.50	99	I075578	30	10.75	23.00	8040	650.00	
62.48	64.01	1.53	OX		1.05	69	I075579	30	1.08	8.14	10550	825.00	
64.01	65.53	1.52	OX		0.97	64	I075580	30	1.28	9.77	18950	663.00	
65.53	67.06	1.53	OX		0.81	53	I075581	31	1.74	10.05	30900	563.00	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
67.06	67.61	0.55	OX		0.45	82	I075582	31	2.13	6.59	33100	469.00	
67.61	68.58	0.97	OX		0.78	80	I075583	31	17.40	99.60	152500	6050.00	
68.58	70.10	1.52	OX		0.80	53	I075584	31	31.20	55.90	182500	520.00	
70.10	71.63	1.53	OX		0.69	45	I075585	31	172.50	198.00	25500	1330.00	
71.63	73.15	1.52	OX		1.21	80	I075587	31	48.60	15.25	151000	2780.00	
73.15	76.20	3.05	OX		2.85	93	I075588	31	7.69	4.23	33200	272.00	
76.20	79.25	3.05	OX		2.76	90	I075589	31	7.21	3.49	25000	648.00	
79.25	80.77	1.52	OX		1.49	98	I075590	31	1.11	1.44	21500	556.00	
80.77	82.30	1.53	OX		1.20	78	I075592	31	0.59	1.33	22300	47.20	
82.30	83.82	1.52	OX		0.99	65	I075593	31	0.33	1.11	27300	63.50	
83.82	85.34	1.52	OX		0.97	64	I075594	31	0.33	0.73	21200	49.10	
85.34	86.87	1.53	OX		0.55	36	I075595	31	0.28	0.92	24700	28.90	
86.87	88.39	1.52	OX		0.25	16	I075596	31	2.11	0.40	15850	2.92	
88.39	89.92	1.53	OX		1.23	80	I075597	31	0.70	0.41	11150	8.14	
89.92	91.44	1.52	OX		1.09	72	I075649	32	0.26	0.32	22300	29.30	
91.44	92.96	1.52	OX		1.14	75	I075650	32	0.10	0.30	8670	15.15	
92.96	94.49	1.53	OX		0.82	54	I075651	32	0.07	0.41	2120	13.30	
94.49	96.01	1.52	OX		0.88	58	I075652	32	0.09	1.41	2720	2.21	
96.01	97.54	1.53	OX		1.20	78	I075653	33	0.16	1.35	6880	47.00	
97.54	99.06	1.52	OX		1.08	71	I075654	33	0.21	2.57	23500	105.50	
99.06	100.58	1.52	OX		1.02	67	I075656	33	0.18	7.10	52200	468.00	
100.58	102.11	1.53	OX		1.22	80	I075657	33	0.15	2.90	33900	195.50	
102.11	103.63	1.52	OX		0.81	53	I075658	33	0.08	2.85	41500	378.00	
103.63	105.16	1.53	OX		1.34	88	I075659	33	0.15	1.26	26000	70.50	
105.16	106.68	1.52	OX		0.61	40	I075660	33	0.21	1.93	33100	60.80	
106.68	108.20	1.52	OX		0.59	39	I075661	33	0.10	1.41	25900	71.50	
108.20	109.57	1.37	OX		0.30	22	I075662	33	0.13	1.53	21700	15.10	
109.57	111.25	1.68	MBL		0.62	37	I075663	33	0.10	0.32	2500	1.98	
111.25	112.78	1.53	MBL		0.70	46	I075664	33	0.07	0.22	1500	1.22	
112.78	114.30	1.52	MBL		0.37	24	I075849	38	0.18	0.25	2580	0.63	
114.30	115.82	1.52	MBL		0.54	36	I075850	38	<0.01	0.01	36	0.03	
18.28	19.81	1.53	LST		1.06	69	I075554	30	0.01	0.10	55	0.32	Duplicate

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
-	-	-	-	-	-	-	I075560	30	1.44	0.58	85	1.93	Standard ROS-2
-	-	-	-	-	-	-	I075563	30	<0.01	0.01	37	1.08	Blank (HQ)
-	-	-	-	-	-	-	I075569	30	8.45	23.60	17	1.37	Standard ROS-4
-	-	-	-	-	-	-	I075575	30	<0.01	0.02	8	0.45	Blank (HQ)
-	-	-	-	-	-	-	I075586	31	0.10	0.25	181	9.05	Blank (HQ)
-	-	-	-	-	-	-	I075591	31	0.38	6.59	1	1.35	Standard ROS-1
-	-	-	-	-	-	-	I075598	31	<0.01	0.02	21	0.12	Blank (HQ)
-	-	-	-	-	-	-	I075655	33	7.15	24.60	16	1.37	Standard ROS-4
-	-	-	-	-	-	-	I075665	33	<0.01	0.01	25	0.08	Blank (HQ)

GEOTECHNICAL LOG

HOLE: Rau-10-88

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
3.66	4.57	0.91	0.41	45	0.00	0	W	FR		
4.57	6.10	1.53	0.92	60	0.00	0	W	SW		
6.10	7.62	1.52	0.72	47	0.00	0	W	MW		
7.62	9.14	1.52	0.71	47	0.00	0	EW	EW	7.5YR5/8	OXIDE
9.14	10.67	1.53	0.92	60	0.00	0	EW	EW	7.5YR5/8	OXIDE
10.67	12.19	1.52	0.94	62	0.00	0	EW	EW	10YR7/4	OXIDE
12.19	13.72	1.53	0.71	46	0.00	0	MS	SW		
13.72	15.24	1.52	0.50	33	0.19	13	MS	SW		
15.24	16.76	1.52	1.01	66	0.18	12	EW	EW	10YR6/4	OXIDE
16.76	18.28	1.52	0.72	47	0.11	7	W	HW		
18.28	19.81	1.53	1.05	69	0.41	27	W	HW		
19.81	21.34	1.53	1.19	78	0.20	13	W	SW		
21.34	22.86	1.52	1.17	77	0.00	0	W	MW		
22.86	24.38	1.52	1.17	77	0.00	0	MS	FR		
24.38	25.91	1.53	0.94	61	0.11	7	W	SW		
25.91	27.43	1.52	1.00	66	0.46	30	W	SW		
27.43	28.96	1.53	0.98	64	0.00	0	MS	SW		
28.96	30.48	1.52	1.14	75	0.25	16	W	MW		
30.48	32.00	1.52	0.49	32	0.00	0	EW	EW	5YR4/4	OXIDE
32.00	33.53	1.53	0.95	62	0.00	0	EW	EW	5YR4/4	OXIDE
33.53	35.05	1.52	1.12	74	0.00	0	EW	EW	5YR4/4	OXIDE
35.05	36.58	1.53	0.90	59	0.00	0	EW	EW	5YR4/4	OXIDE
36.58	38.10	1.52	0.67	44	0.00	0	EW	EW	5YR4/4	OXIDE
38.10	39.62	1.52	1.34	88	0.00	0	EW	EW	5YR4/4	OXIDE
39.62	42.67	3.05	1.51	50	0.00	0	EW	EW	5YR4/4	OXIDE
42.67	44.20	1.53	0.41	27	0.00	0	EW	EW	5YR4/4	OXIDE
44.20	45.72	1.52	0.66	43	0.00	0	EW	EW	5YR4/4	OXIDE
45.72	47.24	1.52	1.13	74	0.00	0	EW	EW	5YR4/4	OXIDE
47.24	48.77	1.53	0.72	47	0.00	0	EW	EW	5YR4/4	OXIDE
48.77	50.29	1.52	1.00	66	0.00	0	EW	EW	5YR4/4	OXIDE
50.29	51.82	1.53	1.20	78	0.00	0	EW	EW	5YR4/4	OXIDE
51.82	53.34	1.52	1.21	80	0.00	0	EW	EW	5YR4/6	OXIDE
53.34	54.86	1.52	0.98	64	0.00	0	EW	EW	5YR4/6	OXIDE
54.86	56.39	1.53	0.16	10	0.00	0	EW	EW	7.5YR5/6	OXIDE
56.39	57.91	1.52	0.48	32	0.00	0	EW	EW	7.5YR5/6	OXIDE
57.91	59.43	1.52	1.30	86	0.00	0	EW	EW	7.5YR5/6	OXIDE
59.43	60.96	1.53	1.05	69	0.00	0	EW	EW	7.5YR5/6	OXIDE
60.96	62.48	1.52	1.35	89	0.00	0	EW	EW	2.5YR3/6	OXIDE
62.48	64.01	1.53	1.03	67	0.00	0	EW	EW	2.5YR3/6	OXIDE
64.01	65.53	1.52	0.97	64	0.00	0	EW	EW	2.5YR3/6	OXIDE
65.53	67.06	1.53	0.81	53	0.00	0	EW	EW	2.5YR4/6	OXIDE
67.06	68.58	1.52	1.13	74	0.00	0	EW	EW	2.5YR7/6	OXIDE
68.58	70.10	1.52	0.80	53	0.00	0	EW	EW	2.5YR2.5/4	OXIDE
70.10	71.63	1.53	0.69	45	0.00	0	EW	EW	GLEY1 3/N	OXIDE
71.63	73.15	1.52	1.21	80	0.13	9	W	EW	10R 4/8	OXIDE
73.15	74.68	1.53	1.38	90	0.00	0	EW	EW	10R 4/8	OXIDE
74.68	76.20	1.52	1.47	97	0.00	0	EW	EW	2.5YR 5/6	OXIDE
76.20	77.72	1.52	1.32	87	0.00	0	EW	EW	2.5YR 5/6	OXIDE
77.72	79.25	1.53	1.44	94	0.00	0	EW	EW	2.5YR 5/6	OXIDE
79.25	80.77	1.52	1.49	98	0.00	0	EW	EW	2.5YR 4/6	OXIDE
80.77	82.30	1.53	1.20	78	0.00	0	EW	EW	2.5YR 2.5/4	OXIDE

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
82.30	83.82	1.52	0.99	65	0.00	0	EW	EW	2.5YR 2.5/4	OXIDE
83.82	85.34	1.52	0.97	64	0.00	0	EW	EW	2.5YR 2.5/4	OXIDE
85.34	86.87	1.53	0.55	36	0.00	0	EW	EW	7.5YR 5/6	OXIDE
86.87	88.39	1.52	0.25	16	0.00	0	EW	EW	7.5YR 5/6	OXIDE
88.39	89.92	1.53	1.23	80	0.14	9	EW	EW	7.5YR 5/6	OXIDE
89.92	91.44	1.52	1.07	70	0.10	7	EW	EW	7.5YR4/6	OXIDE
91.44	92.96	1.52	1.07	70	0.00	0	EW	EW	7.5YR8/3	OXIDE
92.96	94.49	1.53	0.76	50	0.00	0	EW	EW	7.5YR8/3	OXIDE
94.49	96.01	1.52	0.86	57	0.00	0	EW	EW	7.5YR8/3	OXIDE
96.01	97.54	1.53	1.19	78	0.00	0	EW	EW	7.5YR8/3	OXIDE
97.54	99.06	1.52	1.21	80	0.00	0	EW	EW	7.5YR4/4	OXIDE
99.06	100.58	1.52	1.04	68	0.00	0	EW	EW	7.5YR4/4	OXIDE
100.58	102.11	1.53	1.26	82	0.00	0	EW	EW	7.5YR4/4	OXIDE
102.11	103.63	1.52	0.76	50	0.00	0	EW	EW	2.5YR3/4	OXIDE
103.63	105.16	1.53	1.37	90	0.00	0	EW	EW	2.5YR3/4	OXIDE
105.16	106.68	1.52	0.53	35	0.00	0	EW	EW	2.5YR3/4	OXIDE
106.68	108.20	1.52	0.55	36	0.00	0	EW	EW	2.5YR3/4	OXIDE
108.20	109.73	1.53	0.42	27	0.13	8	EW	EW	2.5YR3/4	OXIDE
109.73	111.25	1.52	0.71	47	0.16	11	W	HW		
111.25	112.78	1.53	0.68	44	0.38	25	W	HW		
112.78	114.30	1.52	0.37	24	0.00	0	MS	HW		
114.30	115.82	1.52	0.54	36	0.41	27	MS	SW		
115.82	E.O.H.									

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-88

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	OVB		N/A	
2.00	OVB		N/A	
3.00	OVB		N/A	
4.00	LST		0.00	
5.00	LST		0.00	
6.00	LST		0.00	
7.00	LST		0.00	
8.00	LST	OX	0.00	
9.00	OX	VOL	0.01	
10.00	OX	VOL	0.30	
11.00	QZ	GRT	0.00	
12.00	LST	MBl	0.00	
13.00	LST	MBL	0.00	
14.00	LST	MBL	0.00	
15.00	LST	MBl	0.00	
16.00	OX	VOL	0.00	
17.00	LST	OX	0.11	
18.00	LST	OX	0.16	
19.00	LST	MBL	0.00	
20.00	LST	MBL	0.00	
21.00	LST	MBL	0.00	
22.00	LST	MBL	0.00	
23.00	LST	MBL	0.00	
24.00	LST	MBL	0.00	
25.00	LST	MBL	0.00	
26.00	LST	MBL	0.00	
27.00	LST	MBL	0.00	
28.00	LST	MBL	0.01	
29.00	LST	MBL	0.00	
30.00	LST	MBL	0.00	
31.00	VOL	SER	0.00	
32.00	OX		0.60	
33.00	OX		0.50	
34.00	OX		0.50	
35.00	OX		0.48	
36.00	OX		0.25	
37.00	OX		0.00	
38.00	OX		0.28	
39.00	OX		0.33	
40.00	OX	RBL	0.62	
41.00	OX		0.60	
42.00	OX		0.73	
43.00	OX		0.48	
44.00	OX		0.40	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	OX		0.30	
46.00	OX		0.47	
47.00	OX		0.65	
48.00	OX		0.42	
49.00	OX	SID	0.65	
50.00	OX		0.67	
51.00	LST	OX	0.73	
52.00	OX		0.73	
53.00	OX		0.13	
54.00	OX		0.62	
55.00	QZ		N/A	Drop quartz
56.00	QZ		N/A	Drop quartz
57.00	OX		0.31	
58.00	OX		0.00	
59.00	OX		0.65	
60.00	OX		0.00	
61.00	OX		0.57	
62.00	OX		0.50	
63.00	OX		0.70	
64.00	OX		0.45	
65.00	OX		0.67	
66.00	OX		0.73	
67.00	OX		0.55	
68.00	OX		0.50	
69.00	OX		0.21	
70.00	OX		0.00	
71.00	OX		0.08	
72.00	OX		0.60	
73.00	OX		1.39	
74.00	OX		0.58	
75.00	OX		0.87	
76.00	OX		0.18	
77.00	OX		0.26	
78.00	OX		0.47	
79.00	OX		0.16	
80.00	OX		0.45	
81.00	OX		0.68	
82.00	OX		0.75	
83.00	OX		0.52	
84.00	OX		0.60	
85.00	OX		0.00	
86.00	OX		0.53	
87.00	OX		0.11	
88.00	OX		0.35	
89.00	OX		0.30	
90.00	OX		0.40	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	OX		0.00	
92.00	OX		0.18	
93.00	OX		0.00	
94.00	OX		0.00	
95.00	OX		0.00	
96.00	OX		0.30	
97.00	OX		0.11	
98.00	OX		0.36	
99.00	OX		0.00	
100.00	OX		0.00	
101.00	OX		1.15	
102.00	OX		0.15	
103.00	OX		0.48	
104.00	OX		0.06	
105.00	OX		0.00	
106.00	OX		0.21	
107.00	OX		0.13	
108.00	OX		0.00	
109.00	OX		0.75	
110.00	MBL		0.00	
111.00	MBL		0.00	
112.00	MBL		0.20	
113.00	MBL		0.00	
114.00	MBL		0.01	
115.00	MBL		0.00	

HOLE: Rau-10-88

Box #	Diameter (cm)	From (m)	To (m)	Unit	Modifier	Recovery	Weight	Density	Comments
8	6.1	33.34	37.43	OX	RBL	2.49	46.7	2.94	
9	6.1	37.43	41.83	OX	RBL	2.51	48.9	3.06	
10	6.1	41.83	47.24	OX	RBL	2.63	46.7	2.79	
11	6.1	47.24	51.82	OX	RBL	2.98	43.4	2.28	
12	6.1	51.82	57.91	OX	RBL	2.98	44.5	2.34	
13	6.1	57.91	61.92	OX	RBL	3.26	57.7	2.78	
14	6.1	61.92	65.53	OX	RBL	2.54	44.5	2.75	
15	6.1	65.53	69.15	OX	RBL	2.01	43.4	3.39	box ~3/4 full.
16	6.1	69.15	74.12	OX	RBL	3.08	44.5	2.27	
17	6.1	74.12	78.08	OX	CLY	3.76	52.2	2.18	
18	6.1	78.08	81.39	OX	CLY	3.18	50	2.47	
19	6.1	81.39	84.70	OX	CLY	2.26	41.2	2.86	
20	6.1	84.70	90.10	OX	CLY	2.61	37.9	2.28	
21	6.1	90.10	95.32	OX	CLY	3.42	52.2	2.39	
22	6.1	95.32	99.61	OX		3.00	51.5	2.69	1/4 solid core
23	6.1	99.61	104.00	OX		3.02	52.5	2.73	1/2 solid core
24	6.1	104.00	109.73	OX	RBL	2.39	40.5	2.66	SID RBL with 20 cm MBL

BOX LOG

HOLE: Rau-10-88

BOX	FROM (m)	TO (m)
1	3.66	8.21
2	8.21	12.38
3	12.38	17.70
4	17.70	21.66
5	21.66	24.76
6	24.76	28.83
7	28.83	33.34
8	33.34	37.43
9	37.43	41.83
10	41.83	47.24
11	47.24	51.82
12	51.82	57.91
13	57.91	61.92
14	61.92	65.53
15	65.53	69.15
16	69.15	74.12
17	74.12	78.08
18	78.08	81.39
19	81.39	84.30
20	84.30	90.10
21	90.10	95.32
22	95.32	99.61
23	99.61	104.00
24	104.00	109.73
25	109.73	112.78
26	112.78	115.82
115.82 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
10+117NE	09+800NW	528709	7118969	1355	342.90

ZONE: East

SECTION: 09+800NW

HOLE: **Rau-10-89**

CLAIM: Rau

Contractor: Superior

Drill: 1

Core size: BTW

Casing depth: 9.14 m out

Drilling dates: June 28 - July 1, 2010

Geology logged by: K. Unger

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-59.0	compass	114.30	233	-57.1	Ranger
22.90	228	-57.8	Ranger	175.30	235	-57.0	Ranger
53.30	229	-57.4	Ranger	205.70	236	-56.9	Ranger
83.80	231	-57.4	Ranger	221.00	237	-56.8	Ranger

TARGET: Upper Tiger and East Zone Mineralization

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	3.96	3.96	OVB	
3.96	102.74	98.78	LST	
102.74	103.30	0.56	MBL	
103.30	108.91	5.61	DOL	Mineralized
108.91	117.48	8.57	VN	
117.48	127.15	9.67	VOL	Amygdaloidal
127.15	242.95	115.80	LST	
242.95	248.44	5.49	VOL	Sericite altered
248.44	334.04	85.60	LST	
327.89	333.87	5.98	MBL	
333.87	335.56	1.69	VOL	
335.56	342.90	7.34	LEP	
342.90	E.O.H.			

SAMPLES

Numbers: I075705-I075758

Total: 54

Batch: 34, 35

Date Sent: July 4, 5, 2010

Certificate: VA10090966, VA10094048

COMMENTS

The hole was ended because it had past the targeted East Zone mineralized dolomite.

GEOLOGY LOG

HOLE: Rau-10-89

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	3.96	3.96				OVB			Overburden - no recovery.																		
3.96	102.74	98.78				LST		FG	Dark to medium grey, variably strained, variably BX, variably FOS, FG LST with FO angles shallow to CA, generally steepening with depth. Trace marbleization increases with depth. Py mineralization is present only at trace levels, generally as FG associations/overprints of dark, FG LST.							t		MBL	t	t							
			3.96	13.40	9.44	LST		FG	Dark to medium grey, FG, variably strained weakly FOS LST. Foliation parallel to sub parallel to CA, with a wavy, sinuous fabric throughout. Core is blocky with trace OX alteration on fractures to 13.40 m.							t											
			13.40	53.48	40.08				Dark to medium grey, FG, variably strained weakly FOS LST. Foliation parallel to sub parallel to CA, with a wavy, sinuous fabric throughout. Trace FG, dull, Py is seen rimming dark "BX" clasts. Trace amounts of fossils present, crinoids and coral fragments make up less than 1% of rock. At times, coral fragments appear deformed by stain.										t							
									FO is variable, wavy to planar in appearance, 0-30 degrees TCA, but is generally oriented 15 degrees.	FO	15															
			53.48	62.72	9.24	LST	FOS		Dark to light grey, FG to CG, FOS LST becoming crinoid wakestone in composition. Where most fossiliferous, rock is locally 30 to 50 % fossil fragments, but generally 15-20 % throughout. Strain is variable, foliation and strain fabric appear steeper to CA than in rock above. Fossils generally appear unstrained, FG interbeds most readily exhibi strain and deformation. Trace Py is present as brigh cubes <1 mm in size to darker, dull FG rims around FG LST.										t							
									FO is generally 50-60 degrees in dark, FG interbeds, but sometimes approaches 0 degrees TCA in zones exhibiting high strain.	FO	50															
			62.72	77.26	14.54	LST	BX	FG	Dark to light grey, FG, variably BX, weakly FOS LST. Strain is variable throughout, fabric becoming near stylolitic bands. Trace MBL alteration with depth. Trace deformed crinoid and tabular coral fossils present, <1% of total rock material.									MBL	t							
									FO is generally 50-55 degrees TCA, but can appear shallower where strain is apparent.	FO	50															

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			77.26	82.52	5.26	LST		BN	Medium to dark grey, FG LST, moderately banded with dissolution bands and stylolites, which are generally preferentially oriented. Moderate MBL alteration is present, some rock appearing sucrosic in texture.									MBL	m								
									FO is defined by stylolites and dissolution band orientation, 45 degrees TCA.	FO	45																
			82.52	88.04	5.52	LST	MBL	BN	Light to medium grey, moderate-strong MBL altered banded LST with linear dissolutions to sinuous stylolites. Trace OX is present on fracture faces. Trace Py is present in dark, FG bands (lime mudstone interbed?) as dull, grey-yellow blebs, 1-3 mm in size.							t		MBL	ms	t							
									Strong FO defined by MBL banding, 45 to 55 degrees TCA.	FO	50																
			88.04	97.89	9.85	LST	FOS		Light to medium grey, FG, strained LST exhibiting dissolution textures throughout. FG, dark, tabular to needle-like, FG to MG crystals are present in FG, medium grey LST (andalucite?), 1-3 mm in length. Where strongly fossiliferous, rock becomes crinoid wackestone in composition. ~10% of rock is made up of coral and crinoid fragments.																		
			97.89	100.63	2.74	LST	MBL	BX	Medium to dark grey, cBX, moderately-strong MBL altered LST exhibiting sucrosic recrystalization of lighter LST BX clasts. MBL alteration increases with depth. Strain is variable, deforming BX clasts to exhibiting dissolution textures.									MBL	ms								
									FO is strong, 45-50 degrees TCA, defined by strained BX fabric and dissolution bands.	FO	45																
			100.63	102.74	2.11	LST	MBL	BN	Light to medium grey with dark bands, strongly MBL altered LST appearing sucrosic in texture. MBL increases with depth. Band frequency decreases with depth from ~1 mm apart to 2.1 cm with depth. Trace OX alteration is present on fracture faces. lCN is gradational over 15-20 cm.	lCN						t		MBL	s								
									FO is strong, defined by banding and oriented 50 degrees TCA.	FO	50																
102.74	103.30	0.56				MBL			White, "Italian" marble with trace green-grey faint bands oriented 30 degrees TCA, and 90 degrees to FO. Trace rusty orange OX alteration is present on fracture surfaces. lCN is sharp, oriented 50 degrees TCA, defined by narrow, dark Py band. Trace amounts of andalucite(?) are present in marble proximal to lCN.	lCN						t												

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
103.30	108.91	5.61				DOL	MX	CG	White to medium grey, crystalline CG DOL hosting banded Py "Tiger Zone" mineralization. Weak ANK is present as creamy yellow replacements(?) to weak bands throughout. Py is present as FG, dull greenish-yellow bands to narrow masses preferentially oriented, to bright, yellow, euhedral to subhedral blebs overprinting duller, FG Py. (P2 and P3?) The bright Py also forms bands oriented perpendicular to FO. Trace amounts of Po are present overprinting FG Py.												s		t					
									FO is defined by Py and DOL banding, 35-45 degrees TCA.	FO	40																
									Dull, greyish-yellow Py, variably exhibiting replacement by bright yellow CG Py in "veinlets" oriented 45 degrees TCA, 180 degrees to FO. Veinlets are 0.7 to 1.4 cm wide, at times veinlets feature a coarse grained white dolomite selvage up to 2.5 cm from veinlet.	VN	45	180															
108.91	117.48	8.57				VN	MX	CG	CG Po-Py-ANK-DOL vein, appearing variably vuggy in ANK-DOL crystallization and variably pitted in some zones of Po-Py mineralization. A fault is present from 111.29 to 112.30 m, with strong OX alteration, LST BX blocks, rubble and poor recovery along fault. Py is present as CG, bright yellow euhedral to subcrystalline overprints of Po. Po is present as massive veins and bands. Trace Sp is present in narrow Ca-Sp veinlets to disseminations in as coarse, red crystals with vitreous lustre. Trace Gn is associated with Sp, exhibiting a "rotten egg" smell when exposed to 10% HCl. Trace MG grey silver As disseminated. *110.05 to 110.77m, pitted Py and Po, sample number I075716	FT												s	t	i	Sp	t	Gn	t	
									Narrow, Ca-Sp veinlets oriented 50 degrees TCA, 3 8 mm wide hosting toothy Ca and CG red Sp crystals and crosscuts veining and mineralization mentioned above.	VN	50	n/a															

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
117.48	127.15	9.67				VOL		AM	Brown to olive green, variably AM, intensely SER altered, variably strained VOL hosting cubic Py crystals exhibiting dissolution. Amygdules exhibit deformed, irregular shapes throughout and are infilled with CG Ca. uCN is gradational, intensely SER altered and sheared and exhibits a deformed texture throughout. lCN is gradational with sinuous, dull Py blebs and bright, CG Py forming bands to bright yellow blebs, trace Po and is strongly SER to bleached in appearance. *119.10 to 120.74 m, pitted Po and Py, sample #I075724	CN								SER	i	w		t					
									FO is defined by strain fabric and elongate amygdules, oriented 40 degrees TCA.	FO	40																
									2 CG Rhodochrosite-Ca-Py veinlets, oriented 40 degrees TCA and 0 degrees to FO, 1.9 cm and 1.2 cm wide.	VN	40	0															
									6 cm wide, orange stained band of VOL with CG, anhedral Po crystals <2.5 cm in size. Band is oriented 50 degrees TCA and 90 degrees to FO.	VN	50	90															
127.15	242.95	115.80				LST	DOL	BX	Dark to light grey, FG, intensely DOL LST, variably sBX to cBX and variably strained throughout. Trace OX alt associated with fractures. TLC alteration is associated with mineralized veins within DOL LST, at times appearing bleached.					i	t	t		TLC	t	t		t					
			127.15	148.24	21.09	LST	DOL	BX	Light to medium grey, FG, cBX LST overprinting sBX, generally bleached in appearance with trace TLC alteration from mineralized veins present in sub interval. OX alteration is fair, and increases with depth approaching a fault below. A strain fabric appears to orient the cBX texture.					i	t	f		TLC	t	f		w					
									FO is defined by dissolution bands and cBX orientation, 80 degrees TCA.	FO	80																
			134.00	134.39	0.39				CG Py-Po-Ak vein, exhibiting hydrothermal, CG crystals and vugs containing intense Py with strong Po mineralization. Vein selvages which bleach the host rock are wide and contain trace TLC alteration. Trace Cl stringers are present throughout vein selvages.	VN	50									i		s					
									Bright yellow, metallic, CG Py and trace CG Bs and Cl veinlets, 2 oriented approximately 60 degrees TCA with moderate TLC alteration of vein minerals and in vein selvages. The 2 Py veinlets are 4.1 and ~19 cm wide.	VN	60									80			Bs	t			

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			148.24	154.61	6.37	LST	DOL	RBL	Rusty brown to medium grey, FG, rubbly to competent blocks of strongly OX altered DOL LST. (Fault?) Trace CG, rusty yellow micaceous crystals are present on some fracture faces (phlogopite?) .	FT						s											
			154.61	212.38	57.77	LST	DOL	BX	Medium grey to white, FG to CG, intensely DOL altered sBX LST. Darker, FG LST clasts are supported by white, CG breccia matrix. cBX overprints sBX textures increasingly so with depth. OX alteration is strongest where rock is highly fractured. Trace FG interbeds lacking sBX texture are intermittent, and at times exhibit "camo" mottled textures.					i		m												x
									FO is defined by dissolution textures and BX clast orientations and is generally weak throughout, oriented at 70 degrees TCA.	FO	70																
			212.38	242.95	30.57	LST	DOL	BX	Dark to medium grey, strongly strained, mBX to cBX, moderately strong DOL altered FG LST. BX clasts exhibit an undulose strain fabric where strain is highest. Weak banding occurs. BX decreases with depth and rock becomes more calcareous with depth. Weak Py mineralization is present as yellow, tabular blebs within Ca filled fractures in dark, FG LST and as FG disseminations in vein selvages.					ms							w							
									FO is 60 degrees TCA, defined by strain fabric and weakly banded texture where present.	FO	60																
			234.40	242.35	7.95				Intermittent CG Qz-Py-Po veining with strong TLC alteration of veinlet minerals and within veinlet selvages. Py overprints Po where both are FG to CG. In veinlet selvages, Py is present as FG, dull greenish yellow <1mm wide bands to masses, and as bright yellow MG euhedral overprints of greenish Py. (P2 and P3?) Coarse grained vein Py appears greenish yellow, with a bright lustre. Some coarse grained DOL recrystalization (hydrothermal?) is present from 241.25 to 241.60 m.	VN	n/a	n/a									f		w					

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
242.95	248.44	5.49				VOL	SER	BN	Olive green to dark green with bronze coloured bands, FG banded, intensely SER altered VOL with strong Po and fair Py mineralization. CG Qz-Po-Py veins are present. Strain is exhibited variably throughout, some SER rich bands appear weakly sheared. Po is present as FG, wispy bands within VOL to large masses associated with Qz veins. Py is present as bright, euhedral crystals with vein selvages forming "shotgun" masses. At times Py overprints Po. VOL lacks fuchsite.										SER	i	f		s						
									Strong FO is defined by banding, oriented 35 degrees TCA.	FO	35																
									CG white Qz veinlets with Po and Py MX, locally deforming VOL along veinlet boundaries. Po is present as large masses, Py appears as overprints to "shotgun" masses in veinlet selvages. Veining in VOL appears homogeneous with veining in LST above.	VN	n/a	n/a															
									Narrow 2 mm wide Po-Py veinlet oriented 45 degrees TCA and 0 degrees to FO, coarse Py overprinting Po.	VN	45	0															
									Narrow, 3 mm wide Po-Py veinlet, oriented 50 degrees TCA and 180 degrees to FO, contains coarse Py overprinting Po.	VN	45	180															
248.44	334.04	85.60				LST	DOL	MX	Dark grey to white, variably BX, intensely DOL altered LST with intermittent and irregular horizons of mineralized hydrothermal CG dolomite. OX is fair throughout, locally strongly associated to structures in the rock. Py is present variably throughout. Where crystalline, CG dolomite exhibits a weak sparry texture.					i	t	w				w		t						
			248.44	256.40	7.96	LST	DOL	BX	Dark to light grey, variably strained, intensely DOL altered cBX LST with minor FG interbeds. Py is present as shotgun masses associated with Qz veining, as a dull, FG phase and another brighter, more coarse Py phase. Trace Po mineralization and moderate TLC alteration are associated with Qz veining. About 30% of interval is made of Qz veins.					i				TLC	m	s		t						
									A weak FO is defined by orientation of FG interbeds and cBX orientation, 70 degrees TCA.	FO	70																
									Qz-Po-Tc veining, with different orientations and widths throughout, hosting CG to FG Po blebs. Py is present as CG, bright "shotgun" masses.	VN	n/a															

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			256.40	259.19	2.79	DOL	MX	CG	White to dark grey, CG, recrystallized DOL with strong Py MX, appearing "East Zone" in habit. Py is present as bright, "shotgun" masses to euhedral, <2 mm cubic disseminations. Po is present in bands to small masses, at times being overprinted by Py. uCN is gradational, recrystalization increasing with depth. lCN is sharp, 70 degrees TCA.	CN				i						s		w					
									A weak FO is defined by banding in dolomite, oriented 70 degrees TCA.	FO																	
			259.19	259.96	0.77	LST		FG	Dark, FG, intensely DOL LST with trace Py as bands oriented with FO in between FG LST interbeds.					i						t						
									Strong FO defined by banding (bedding?), oriented 70 degrees TCA.	FO	70																
			259.96	261.09	1.13	DOL		MG	Light grey, MG, recrystallized DOL with weak Py MX as bands. Rock is weakly FG in appearance, lCN is gradational. Over 40 cm.	CN																
									Weak FO is defined by dolomite and Py banding, oriented 70 degrees TCA.	FO	70																
			261.09	263.50	2.41	LST	BX	MG	Dark, medium grey, intensely DOL, weakly cBX LST. Rock is weakly fossiliferous, with crinoid fragments present, <3-5% of material. lCN is gradational, over 25 cm.	lCN																
									A weak FO is defined by weak BX orientation and banding. 70 degrees TCA.	FO	70																
									Light grey, MG, 2-3 mm wide DOL veinlets, oriented 15-30 degrees TCA, crosscutting narrower DOL stringers.	VN	20	180															
									Narrow, < 1mm DOL stringers, oriented 70 degrees TCA, 0 degrees to FO.	VN	70	0															
			263.50	264.05	0.55	DOL	MX	CG	White, CG, variably sparry DOL hosting FG, dull grey-yellow, Py as narrow bands to sinuous blebs. Trace Po is present as "veinlets", crosscutting Py bands, but replaced by a later, bright yellow Py. Trace OX is present on fracture faces.					i		t				m		t					
									A strong FO is defined by bands of Py and dolomite, oriented 70 degrees TCA.	FO	70																
									Sinuous, Po-Py veinlets, 1-2 mm wide, oriented 45 degrees TCA, 180 degrees to FO.	VN	45	180															

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			264.05	273.63	9.58	VN	MX		Massive, grey-greenish yellow, metallic Py vein with trace Qz. Py is MG, euhedral 1-3 mm crystals, and exhibits a metallic lustre on yellow crystal faces. lCN and uCN are sharp, Py vein overprints crystalline dolomite above and cBX DOL altered LST below. The cBX texture is visible below 271.99 m.	CN				m						75							
									FO is between 50 and 60 degrees TCA, defined by preferential fracturing in Py vein, and orientation of BX texture where present.	FO	55																
			273.63	274.62	0.99	LST	DOL	BX	Light to medium grey FG, intensely DOL altered cBX LST with weak Py MX. Py forms bright yellow-white blebs to <1 mm disseminations. Strain is variable, BX clasts and fabric appear undulose at times, increasingly so with depth. Trace OX alteration is present on fracture surfaces. lCN is gradational over 8 cm.	CN				i		t				w							
									Weak FO is defined by preferential fracturing and BX orientation, 50 degrees TCA.	FO	50																
			274.62	277.08	2.46	DOL	MX	CG	White to rusty yellow to medium grey, CG DOL and ANK with Py in thin bands. DOL and ANK exhibit coarse, recrystallized, weakly sparry texture (hydrothermal recrystalization?). Py in places has a pitted/vuggy texture. Py appears as dull grey-yellow, FG bands with weak to moderate bright yellow euhedral MG Py overprints. The unit is strongly oxidized with a rusty brown colouration on fracture faces and staining/overprinting dolomite and ankerite.					i	f	s				ms							
									FO is defined by banding in Py and DOL/ANK, oriented 45-50 degrees TCA.	FO	45																
			277.08	280.50	3.42	LST	DOL	BX	Dark to light grey, FG to CG, intensely DOL cBX LST, that is weakly fossiliferous with trace crinoid stem fragments. The interval becomes slightly bleached with depth. Weak Py occurs as white-yellow, euhedral to subhedral blebs to FG disseminations throughout the dark LST. Trace OX alteration is present on rusty fracture surfaces.					i		t				w							
									FO is defined by BX orientation, 50 degrees TCA.	FO	50																
			280.50	282.72	2.22	DOL	MX	FG	Light grey (bleached?) FG DOL, weakly cBX, with banded Py. The Py is FG-MG, dull grey blebs forming bands that follow fractures without a common orientation. The interval is variably OX altered, appearing rusty in colour where strongest.					i		s				s							

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									Lack of foliation	FO	n/a																
									Narrow, <3 mm wide, rusty brown, toothy, weakly calcareous veinlets run parallel to one another and are oriented at 25 degrees TCA.	VN	25																
			282.72	283.31	0.59	LST	DOL	BX	Dark to light grey, FG, intensely DOL cBX LST with trace white-yellow Py. Py is present as subhedral disseminations, increasingly in concentration with depth.					i		w				t							
									A weak FO is defined by the crackle orientation, at 60 degrees TCA.	FO	60																
									Narrow, rusty brown, CG, calcareous veinlets, oriented 35 degrees TCA, 0 degrees to FO.	VN	35	0														
			283.31	287.90	4.59	DOL	MX	CG	White to medium grey, CG, weakly sparry DOL with strong Py MX. Py is present as FG, dull grey-yellow bands 2 mm to 1.2 cm wide throughout, to bright masses with depth. TLC alteration increases with depth.					i				TLC	w	s								
									FO is defined by Py and DOL bands, 50-60 degrees TCA.	FO	55																
			287.90	294.08	6.18	LST	DOL	BX	Light to dark grey, FG, intensely DOL altered cBX LST hosting strong Qz veining. TLC alteration is associated with Qz veins. Py is present as FG, sinuous bands to blebs weakly "East Zone" in appearance to MG, bright white yellow "shotgun" masses associated with Qz veining.					i				TLC	ms	ms		t						
			291.00	292.39	1.39				CG, white Qz-Ca vein with narrow, white, CG Qz veinlets proximal to main vein. Strong TLC alteration is present along vein selvages with Py as dull, grey-yellow MX and bright MG Py shotgun blebs. Bleaching of host rock occurs below the vein for 2.5 m. Narrow Qz veinlets are homogeneous in mineralogy and appearance to main vein.	VN	n/a																
			294.08	303.79	9.71	DOL	MX	CG	Orange grey to white, CG recrystallized, variably vuggy dolomite with mod-strong Py MX. DOL is variably stained a rusty colour. Py is present as dull grey-yellow FG blebs to bands with a weak common orientation, to trace "shotgun" textures. OX alteration is mod-strong giving fracture faces a brigh orange to red colour.					i	w	s	f			ms								
									Weak FO is defined by weakly oriented Py bands, ~50 degrees TCA.	FO	50																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			303.79	309.81	6.02	LST	DOL	BX	Dark to light grey, FG, intensely DOL, strongly OX, variably BX LST. CG translucent grey Qz and rusty orange DOL (SID? ANK?) veinlets are present. Dull, MG masses to "shotgun" blasts of Py are found on veinlet selvages. Some rusty-orange fault gouge is present at 304.39 m.					i		s				ms							
									A weak FO is defined by weak BX texture, oriented 50 degrees TCA.	FO	50																
			304.29						CG Qz-Dol veins, proximal to fault gouge. Veinlets are extremely OX (SID?) altered and share a common orientation 50 degrees TCA. Weak blebs of bright white-yellow Py are present on veinlet boundaries.	VN	50																
			304.29	306.50	2.21				CG white Qz veining of variable orientations and widths, is generally oriented 60 degrees TCA, 270 degrees to FO. Veining exhibits weak OX alteration and hosts strong grey-yellow masses of Py along vein selvages. Veining is strong below fault gouge at 304.29 m to 306.50 m.	VN	60	270															
			309.81	327.89	18.08	DOL	MX	CG	Light grey to rusty white, CG crystalline DOL, strongly OX altered with mod-strong Py mineralization. DOL is variably sparry, generally CG but exhibits MG-FG textures intermittently. Py is present as greyish yellow, dull FG blobs to sinuous masses to weak bands, at times appearing to overprint OX alteration. The Py occasionally exhibits a pitted texture. OX alteration is variable, form intense to trace. With depth, rock appears "Tiger Zone"-like, hosting banded Py and MG, euhedral As crystals forming aggregate blebs to bands <1.2 cm in width. Intense SID alteration is present at 318.00 m exhibiting a dark brown, rotted log appearance with smears of orange. A fault is present from 319.00 to 324.61 m, with associated intense OX alteration. FG dull greyish Py is disseminated throughout competent OX core with weak amounts of white Qz. As presence is below FT. Strong OX alteration persists below FT to lCN which is sharp and oriented 50 degrees TCA. Trace cBX texture is present above SID alteration and below FT appearing bleached and moderately OX altered.	FT				i		s	w			ms		t					
									FO is defined by weak banding in DOL, As and Py mineralization and cBX orientation, oriented 50-70 degrees TCA.	FO	60																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			315.00	315.30	0.30				White-yellow, bright MG sand-like Py vein at 315.00 m, 30 cm wide passing through intensely OX altered DOL. Vein boundaries are weathered, orientation measurements are unavailable.	VN	n/a	n/a								90							
327.89	333.87	5.98				MBL		BN	White to medium grey, sucrosic CG, strongly banded MBL. At times, MBL exhibits a soft, purplish colour. Dark bands are 1 mm to 2.1 cm wide and 1 mm to 10 cm apart. Weak Py MX is present, dull grey-yellow blebs form bands at 333.06 m. uCN is sharp, oriented 50 degrees TCA. lCN is sharp as well, oriented 70 degrees TCA. Both measurements are 0 degrees to FO.	CN																	
333.87	335.56	1.69				VOL		BN	Dark grey to blue-black, FG to MG, strongly magnetic VOL. MG dark silvery crystals of magnetite are disseminated throughout. VOL is banded throughout, and fizzes with acid (calcareous cement?) uCN hosts pink-purple MBL (rhodochrosite?) and the lCN is sharp, 70 degrees to CA, 0 degrees to FO.	uCN													Mg	f			
									A Strong FO is defined by banding in rock, oriented 60 to 70 degrees TCA.	FO	65															
335.56	342.90	7.34				LEP		MG	Grey FG-MG LEP, appearing mottled to banded textures throughout. Some FG, dark magnetic interbeds of VOL present below uCN.																	
									342.90 m - E.O.H. The hole was ended because it was past the targeted East Zone and into the LEP unit.																	

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-89

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch		Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
100.63	102.74	2.11	LST		2.11	100	I075705	34	I075705	0.01	0.03	5	0.14	
102.74	103.30	0.56	MBL		0.56	100	I075706	34	I075706	<0.01	0.24	96	4.12	
103.30	105.00	1.70	DOL	MX	1.65	97	I075707	34	I075707	2.77	0.23	309	265.00	
105.00	106.68	1.68	DOL	MX	1.42	85	I075708	34	I075708	0.26	0.46	463	75.90	
106.68	107.47	0.79	DOL	MX	0.75	95	I075709	34	I075709	0.13	0.25	811	34.40	
107.47	108.47	1.00	DOL	MX	1.00	100	I075711	34	I075711	0.32	0.99	4130	12.70	
108.47	108.91	0.44	DOL	MX	0.43	98	I075712	34	I075712	0.04	3.30	197	27.40	
108.91	109.73	0.82	VN		0.81	99	I075714	34	I075714	0.10	0.55	45	3.77	
109.73	110.25	0.52	VN		0.50	96	I075715	34	I075715	0.10	0.88	18	5.61	
110.25	110.77	0.52	VN		0.52	100	I075716	34	I075716	0.05	0.91	165	78.50	
110.77	112.32	1.55	VN		1.49	96	I075717	34	I075717	0.34	13.65	2540	96.50	
112.32	114.30	1.98	VN		1.76	89	I075718	34	I075718	0.70	1.14	3560	212.00	
114.30	115.29	0.99	VN		0.90	91	I075719	34	I075719	0.51	2.85	1460	95.80	
115.29	116.46	1.17	VN		1.17	100	I075720	34	I075720	0.11	23.00	1480	378.00	
116.46	117.48	1.02	VN		0.88	86	I075722	34	I075722	0.11	47.60	1180	378.00	
117.48	119.10	1.62	VOL	AM	1.62	100	I075723	34	I075723	0.03	0.54	94	8.13	
119.10	120.74	1.64	VOL	AM	1.58	96	I075724	34	I075724	0.01	0.30	20	31.50	
120.72	122.00	1.28	VOL	AM	1.25	98	I075725	35	I075725	0.01	0.29	6	10.75	
122.00	125.00	3.00	VOL	AM	3.00	100	I075726	35	I075726	0.01	0.14	4	0.59	
125.00	127.15	2.15	VOL	AM	2.03	94	I075727	35	I075727	0.02	0.18	63	3.61	
127.15	130.00	2.85	LST		2.85	100	I075729	35	I075729	0.03	0.20	41	2.21	
130.00	132.00	2.00	LST		1.95	98	I075730	35	I075730	<0.01	0.08	48	4.78	
132.00	133.80	1.80	LST		1.73	96	I075731	35	I075731	0.02	0.32	99	22.20	
133.80	134.44	0.64	LST		0.62	97	I075732	35	I075732	0.01	0.21	11	256.00	
134.44	135.18	0.74	LST		0.72	97	I075734	35	I075734	0.01	0.11	10	25.70	
135.18	137.60	2.42	LST		2.42	100	I075735	35	I075735	<0.01	0.03	6	1.89	
137.60	138.60	1.00	LST		0.95	95	I075736	35	I075736	0.01	0.08	17	4.38	
138.60	141.65	3.05	LST		2.97	97	I075737	35	I075737	<0.01	0.04	9	1.61	
141.65	144.70	3.05	LST		2.99	98	I075738	35	I075738	<0.01	0.04	6	97.80	
144.70	145.45	0.75	LST		0.75	100	I075739	35	I075739	0.01	0.05	12	0.98	
145.45	146.23	0.78	LST		0.78	100	I075740	35	I075740	<0.01	0.07	144	4.58	
146.23	147.07	0.84	LST		0.83	99	I075741	35	I075741	0.01	0.03	25	1.19	
147.07	147.83	0.76	LST		0.58	76	I075742	35	I075742	0.01	0.15	704	103.00	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch		Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
147.83	149.70	1.87	LST		1.82	97	I075744	35	I075744	<0.01	0.04	29	9.12	
149.70	151.33	1.63	LST		1.12	69	I075745	35	I075745	0.01	0.07	89	3.70	
151.33	154.38	3.05	LST		3.00	98	I075746	35	I075746	0.01	0.10	113	4.16	
154.38	157.72	3.34	LST		3.04	91	I075747	35	I075747	<0.01	0.04	25	1.10	
228.00	231.00	3.00	LST		3.00	100	I075748	35	I075748	0.04	0.13	19	5.24	
231.00	234.00	3.00	LST		3.00	100	I075749	35	I075749	0.07	0.11	23	8.86	
234.00	234.61	0.61	LST		0.61	100	I075750	35	I075750	0.22	0.27	228	34.00	
234.61	236.52	1.91	LST		1.91	100	I075751	35	I075751	0.08	0.24	44	17.15	
236.52	237.26	0.74	LST		0.73	99	I075752	35	I075752	0.37	0.62	447	58.80	
237.26	239.26	2.00	LST		1.83	92	I075754	35	I075754	0.04	0.29	25	21.50	
239.26	240.44	1.18	LST		1.11	94	I075756	35	I075756	0.02	0.49	29	80.90	
240.44	241.14	0.70	LST		0.70	100	I075757	35	I075757	0.10	0.83	131	25.70	
241.14	242.95	1.81	LST		1.12	62	I075758	35	I075758	0.16	2.33	443	61.00	
242.95	243.67	0.72	VOL	SER	0.72	100	I075759	35	I075759	0.03	4.26	227	297.00	
243.67	244.99	1.32	VOL	SER	1.32	100	I075760	35	I075760	0.34	4.18	476	376.00	
244.99	246.89	1.90	VOL	SER	1.90	100	I075761	36	I075761	0.01	2.10	5	184.50	
246.89	248.44	1.55	VOL	SER	1.55	100	I075762	36	I075762	<0.01	54.60	14	191.00	
248.44	250.87	2.43	LST		2.40	99	I075763	36	I075763	0.01	30.10	117	20.80	
250.87	253.65	2.78	LST		2.78	100	I075764	36	I075764	0.20	1.73	193	51.70	
253.65	256.40	2.75	LST		2.65	96	I075765	36	I075765	0.02	5.23	70	14.20	
256.40	257.24	0.84	LST		0.84	100	I075767	36	I075767	3.94	5.27	454	283.00	
257.24	259.19	1.95	LST		1.92	98	I075768	36	I075768	1.32	1.21	430	42.30	
259.19	259.96	0.77	LST		0.77	100	I075769	36	I075769	0.12	1.50	264	19.90	
259.96	262.13	2.17	LST		2.15	99	I075770	36	I075770	0.08	1.55	119	11.90	
262.13	263.50	1.37	LST		1.37	100	I075771	36	I075771	<0.01	0.49	197	1.69	
263.50	264.05	0.55	LST		0.55	100	I075772	36	I075772	0.04	3.29	324	18.00	
264.05	265.00	0.95	LST		0.95	100	I075774	36	I075774	0.93	9.02	5600	442.00	
265.00	266.00	1.00	LST		1.00	100	I075775	36	I075775	0.36	9.71	4480	472.00	
266.00	267.00	1.00	LST		1.00	100	I075777	36	I075777	1.44	10.65	4490	349.00	
267.00	268.00	1.00	LST		0.99	99	I075778	36	I075778	0.24	2.32	3330	294.00	
268.00	269.00	1.00	LST		0.99	99	I075779	36	I075779	0.36	1.18	4810	188.50	
269.00	270.00	1.00	LST		1.00	100	I075780	36	I075780	0.24	0.71	3980	144.00	
270.00	271.00	1.00	LST		1.00	100	I075781	36	I075781	0.48	1.35	3680	177.00	
271.00	272.00	1.00	LST		1.00	100	I075782	36	I075782	0.63	1.56	4700	199.50	
272.00	273.00	1.00	LST		0.97	97	I075783	36	I075783	0.49	0.94	5710	105.00	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch		Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
273.00	273.63	0.63	LST		0.63	100	I075784	36	I075784	0.37	1.45	4760	241.00	
273.63	274.62	0.99	LST		0.99	100	I075786	36	I075786	0.02	0.11	215	4.83	
274.62	276.00	1.38	LST		1.30	94	I075787	36	I075787	0.29	0.87	559	75.20	
276.00	277.08	1.08	LST		1.08	100	I075788	36	I075788	0.11	3.72	1890	165.50	
277.08	279.00	1.92	LST		1.92	100	I075790	36	I075790	0.01	0.17	151	3.77	
279.00	280.55	1.55	LST		1.49	96	I075791	36	I075791	0.01	0.18	412	37.80	
280.50	281.00	0.50	LST		0.50	100	I075792	36	I075792	0.12	5.00	2900	165.50	
281.00	282.72	1.72	LST		1.69	98	I075793	36	I075793	0.04	2.49	2430	47.30	
282.72	283.31	0.59	LST		0.58	98	I075794	36	I075794	0.02	0.26	222	3.52	
283.31	284.00	0.69	LST		0.69	100	I075795	36	I075795	0.45	1.03	1130	139.00	
284.00	285.00	1.00	LST		1.00	100	I075796	36	I075796	0.13	2.51	1060	107.00	
285.00	286.00	1.00	LST		0.98	98	I075797	37	I075797	0.28	3.98	1880	99.90	
286.00	287.41	1.41	LST		1.02	72	I075799	37	I075799	0.12	0.19	400	46.20	
287.41	287.90	0.49	LST		0.49	100	I075800	37	I075800	0.20	0.24	593	105.00	
287.90	289.39	1.49	LST		1.49	100	I075801	37	I075801	0.02	0.13	135	18.20	
289.39	290.98	1.59	LST		1.59	100	I075802	37	I075802	0.09	0.29	410	124.50	
290.98	292.39	1.41	LST		1.25	89	I075803	37	I075803	0.06	0.59	261	56.30	
292.39	293.32	0.93	LST		0.93	100	I075804	37	I075804	0.07	0.23	191	30.00	
293.32	295.05	1.73	LST		1.73	100	I075805	37	I075805	0.03	0.22	180	12.30	
295.05	298.09	3.04	LST		3.04	100	I075807	37	I075807	0.01	0.13	27	2.65	
298.09	299.08	0.99	LST		0.99	100	I075808	37	I075808	0.03	0.69	212	30.70	
299.08	300.00	0.92	LST		0.92	100	I075810	37	I075810	0.08	0.17	777	124.00	
300.00	301.55	1.55	LST		1.55	100	I075811	37	I075811	0.08	0.15	522	33.30	
301.55	302.83	1.28	LST		1.28	100	I075812	37	I075812	0.21	0.21	704	149.00	
302.83	303.79	0.96	LST		0.94	98	I075813	37	I075813	0.03	0.14	179	9.50	
303.79	304.85	1.06	LST		1.04	98	I075814	37	I075814	0.01	2.12	239	18.30	
304.85	306.82	1.97	LST		1.90	96	I075815	37	I075815	0.33	1.37	463	238.00	
306.82	309.81	2.99	LST		2.99	100	I075816	37	I075816	0.01	0.10	66	1.70	
309.81	310.92	1.11	LST		1.10	99	I075818	37	I075818	0.03	0.51	308	7.31	
310.92	311.69	0.77	LST		0.77	100	I075819	37	I075819	0.06	0.14	605	132.50	
311.69	312.26	0.57	LST		0.56	98	I075820	37	I075820	0.25	0.26	3070	477.00	
312.26	312.80	0.54	LST		0.54	100	I075821	37	I075821	0.37	0.13	1070	99.00	
312.80	314.69	1.89	LST		1.85	98	I075822	37	I075822	0.06	0.16	717	54.00	
314.69	315.46	0.77	LST		0.68	88	I075823	37	I075823	0.40	0.60	4140	489.00	
315.46	316.78	1.32	LST		1.04	79	I075825	37	I075825	0.08	0.19	1030	87.50	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch		Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
316.78	317.74	0.96	LST		0.96	100	I075826	37	I075826	<0.01	0.05	77	0.69	
317.74	318.78	1.04	LST		0.71	68	I075827	37	I075827	3.12	0.93	9450	620.00	
318.78	324.70	5.92	LST		0.89	15	I075828	37	I075828	0.77	1.51	3690	87.70	320.04-323.09 m VOID!
324.70	326.61	1.91	LST		1.86	97	I075829	37	I075829	0.19	0.92	1150	48.90	
326.61	327.11	0.50	LST		0.50	100	I075830	37	I075830	1.08	0.39	10000	80.50	
327.11	327.61	0.50	LST		0.48	96	I075831	37	I075831	0.93	1.25	2590	54.00	
327.61	330.00	2.39	MBL		2.39	100	I075832	37	I075832	0.03	0.15	68	0.88	
330.00	332.00	2.00	MBL		2.00	100	I075833	38	I075833	<0.01	0.07	9	0.03	
332.00	333.87	1.87	MBL		1.87	100	I075834	38	I075834	<0.01	0.08	16	0.02	
333.87	335.56	1.69	MBL		1.69	100	I075835	38	I075835	<0.01	0.29	8	0.17	
335.56	336.80	1.24	LEP		1.21	98	I075836	38	I075836	0.01	0.12	<5	0.07	
336.80	339.85	3.05	LEP		3.04	100	I075837	38	I075837	<0.01	0.15	<5	0.08	
106.68	107.47	0.79	DOL	MX	0.75	95	I075710	34	I075710	0.12	0.21	686	26.30	Duplicate
-	-	-	-	-	-	-	I075713	34	I075713	1.57	0.26	26800	240.00	Standard RSS-6
-	-	-	-	-	-	-	I075721	34	I075721	<0.01	0.03	5	0.28	Blank (BTW)
125.00	127.15	2.15	VOL	AM	2.03	94	I075728	35	I075728	0.02	0.18	56	3.27	Duplicate
-	-	-	-	-	-	-	I075733	35	I075733	4.12	0.21	60800	222.00	Standard RSS-7
-	-	-	-	-	-	-	I075743	35	I075743	<0.01	0.01	<5	0.11	Blank (BTW)
-	-	-	-	-	-	-	I075753	35	I075753	2.91	0.74	1350	98.00	Standard RESS-8
-	-	-	-	-	-	-	I075755	35	I075755	0.01	<0.01	<5	0.15	Blank (BTW)
-	-	-	-	-	-	-	I075766	36	I075766	3.71	0.29	61000	231.00	Standard RSS-7
-	-	-	-	-	-	-	I075773	36	I075773	<0.01	0.62	7	0.55	Blank (BTW)
265.00	266.00	1.00	LST		0.99	99	I075776	36	I075776	0.38	10.60	4400	478.00	Duplicate
-	-	-	-	-	-	-	I075785	36	I075785	<0.01	0.06	25	1.20	Blank (BTW)
-	-	-	-	-	-	-	I075789	36	I075789	1.86	0.30	27000	250.00	Standard RSS-6
-	-	-	-	-	-	-	I075798	37	I075798	2.56	0.70	1600	93.20	Standard RESS-8
293.32	295.05	1.73	LST		1.73	100	I075806	37	I075806	0.04	0.29	227	18.80	Duplicate
-	-	-	-	-	-	-	I075809	37	I075809	<0.01	0.02	<5	0.28	Blank (BTW)
-	-	-	-	-	-	-	I075817	37	I075817	1.83	0.38	26800	257.00	Standard RSS-6
-	-	-	-	-	-	-	I075824	37	I075824	<0.01	0.01	7	0.83	Blank (BTW)

GEOTECHNICAL LOG

HOLE: Rau-10-89

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
3.90	3.96	0.06	0.06	100	0.00	0	W	MW		
3.96	4.88	0.92	0.25	27	0.00	0	W	MW		
4.88	5.49	0.61	0.44	72	0.00	0	MS	MW		
5.49	6.10	0.61	0.60	98	0.00	0	MS	MW		
6.10	7.62	1.52	1.40	92	0.57	38	MS	MW		
7.62	9.14	1.52	1.52	100	0.10	7	MS	MW		
9.14	10.36	1.22	1.10	90	0.60	49	MS	MW		
10.36	13.41	3.05	3.05	100	1.34	44	MS	FR		
13.41	16.46	3.05	3.05	100	2.34	77	MS	FR		
16.46	19.66	3.20	3.04	95	2.46	77	S	FR		
19.66	22.25	2.59	2.48	96	2.00	77	S	FR		
22.25	25.30	3.05	3.05	100	2.95	97	S	FR		
25.30	28.35	3.05	3.01	99	2.88	94	MS	FR		
28.35	31.39	3.04	3.04	100	2.34	77	MS	FR		
31.39	33.53	2.14	1.96	92	1.58	74	S	FR		
33.53	36.58	3.05	2.88	94	2.25	74	S	SW		
36.58	37.80	1.22	1.15	94	0.00	0	MS	SW		
37.80	40.84	3.04	3.04	100	2.45	81	MS	SW		
40.84	42.37	1.53	1.47	96	1.35	88	MS	FR		
42.37	45.42	3.05	3.05	100	2.95	97	MS	FR		
45.42	48.46	3.04	3.04	100	2.79	92	S	FR		
48.46	51.66	3.20	3.11	97	2.52	79	MS	FR		
51.66	54.71	3.05	3.05	100	2.81	92	MS	FR		
54.71	57.76	3.05	3.05	100	3.03	99	MS	FR		
57.76	60.96	3.20	3.08	96	3.02	94	MS	FR		
60.96	64.01	3.05	3.03	99	2.88	94	MS	FR		
64.01	67.06	3.05	3.05	100	2.66	87	MS	FR		
67.06	70.10	3.04	3.04	100	2.90	95	MS	FR		
70.10	73.15	3.05	2.99	98	2.85	93	MS	FR		
73.15	76.20	3.05	3.04	100	1.96	64	MS	FR		
76.20	79.25	3.05	3.03	99	2.19	72	MS	FR		
79.25	82.30	3.05	3.05	100	2.90	95	MS	FR		
82.30	85.34	3.04	3.02	99	2.60	86	MS	FR		
85.34	88.39	3.05	3.02	99	2.22	73	MS	FR		
88.39	91.44	3.05	3.00	98	2.18	71	MS	FR		
91.44	94.49	3.05	3.02	99	2.10	69	MS	FR		
94.49	97.54	3.05	3.00	98	2.50	82	MS	FR		
97.54	100.58	3.04	3.04	100	2.50	82	MS	FR		
100.58	103.63	3.05	2.94	96	2.54	83	MS	FR		
103.63	106.68	3.05	2.80	92	2.10	69	MS	FR		
106.68	109.73	3.05	3.05	100	2.82	92	MS	FR		
109.73	111.86	2.13	2.10	99	0.90	42	MS	SW		
111.86	112.17	0.31	0.12	39	0.00	0	MS	MW		
112.17	114.30	2.13	2.10	99	1.70	80	MS	SW		
114.30	117.35	3.05	2.90	95	2.60	85	MS	FR		
117.35	120.40	3.05	2.97	97	2.59	85	MS	FR		
120.40	123.44	3.04	3.04	100	2.93	96	MS	FR		
123.44	126.49	3.05	3.00	98	2.35	77	MS	FR		
126.49	129.54	3.05	3.05	100	2.55	84	MS	FR		
129.54	132.59	3.05	3.00	98	2.30	75	MS	FR		
132.59	135.64	3.05	2.95	97	2.45	80	MS	FR		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
135.64	138.68	3.04	3.04	100	2.21	73	MS	SW		
138.68	141.73	3.05	3.04	100	1.78	58	MS	SW		
141.73	144.78	3.05	3.05	100	1.60	52	MS	FR		
144.78	147.83	3.05	2.93	96	1.40	46	MS	FR		
147.83	150.11	2.28	2.18	96	0.98	43	MS	SW		
150.11	151.33	1.22	0.80	66	0.00	0	MS	MW		
151.33	154.38	3.05	3.05	100	0.16	5	W	MW		
154.38	157.42	3.04	3.04	100	1.50	49	MS	SW		
157.42	159.10	1.68	1.68	100	0.18	11	MS	SW		
159.10	162.15	3.05	3.05	100	1.69	55	MS	SW		
162.15	165.20	3.05	3.05	100	1.52	50	MS	SW		
165.20	168.25	3.05	3.05	100	2.22	73	MS	SW		
168.25	171.45	3.20	2.90	91	1.30	41	MS	SW		
171.45	174.65	3.20	3.14	98	2.37	74	MS	FR		
174.65	176.78	2.13	2.13	100	1.76	83	MS	FR		
176.78	179.83	3.05	3.00	98	2.27	74	MS	FR		
179.83	181.36	1.53	1.52	99	0.67	44	MS	SW		
181.36	184.40	3.04	3.01	99	2.48	82	MS	FR		
184.40	187.45	3.05	3.05	100	2.25	74	MS	FR		
187.45	190.50	3.05	3.00	98	2.65	87	MS	FR		
190.50	193.55	3.05	3.05	100	2.81	92	MS	FR		
193.55	196.60	3.05	3.04	100	2.24	73	MS	FR		
196.60	199.64	3.04	3.04	100	1.85	61	MS	FR		
199.64	201.17	1.53	1.53	100	0.65	42	MS	FR		
201.17	204.22	3.05	2.94	96	2.00	66	MS	FR		
204.22	207.26	3.04	3.04	100	1.15	38	MS	SW		
207.26	210.31	3.05	3.05	100	1.85	61	MS	SW		
210.31	213.36	3.05	3.04	100	2.80	92	MS	FR		
213.36	216.41	3.05	3.05	100	2.00	66	MS	FR		
216.41	219.46	3.05	3.05	100	2.59	85	MS	FR		
219.46	222.50	3.04	3.02	99	2.97	98	MS	FR		
222.50	225.55	3.05	3.05	100	2.65	87	MS	FR		
225.55	228.60	3.05	3.04	100	2.20	72	MS	FR		
228.60	231.65	3.05	3.04	100	2.76	90	MS	FR		
231.65	234.70	3.05	3.05	100	2.75	90	MS	FR		
234.70	237.74	3.04	3.04	100	2.79	92	MS	FR		
237.74	240.92	3.18	3.07	97	2.38	75	MS	FR		
240.92	243.84	2.92	2.92	100	2.24	77	MS	FR		
243.84	246.89	3.05	3.05	100	2.29	75	MS	FR		
246.89	249.94	3.05	3.05	100	2.40	79	MS	FR		
249.94	252.98	3.04	3.04	100	2.94	97	MS	FR		
252.98	255.42	2.44	2.28	93	1.54	63	MS	FR		
255.42	256.03	0.61	0.61	100	0.39	64	MS	FR		
256.03	259.08	3.05	3.02	99	2.64	87	MS	FR		
259.08	262.13	3.05	3.04	100	1.87	61	MS	FR		
262.13	265.18	3.05	3.05	100	1.93	63	MS	FR		
265.18	268.22	3.04	3.01	99	2.00	66	MS	FR		
268.22	271.27	3.05	3.05	100	1.84	60	MS	FR		
271.27	274.32	3.05	3.05	100	1.88	62	MS	FR		
274.32	277.37	3.05	2.96	97	1.70	56	MS	FR		
277.37	280.42	3.05	3.05	100	1.72	56	MS	FR		
280.42	283.46	3.04	3.00	99	2.50	82	MS	FR		
283.46	286.51	3.05	3.05	100	2.89	95	MS	FR		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
286.51	289.56	3.05	3.05	100	2.62	86	MS	FR		
289.56	292.00	2.44	2.32	95	1.75	72	S	FR		
292.00	295.05	3.05	3.00	98	2.68	88	MS	FR		
295.05	298.09	3.04	3.04	100	2.57	85	MS	FR		
298.09	301.14	3.05	3.05	100	2.30	75	MS	SW		
301.14	304.19	3.05	3.00	98	1.45	48	MS	SW		
304.19	307.24	3.05	3.05	100	1.40	46	MS	SW		
307.24	310.44	3.20	3.14	98	1.63	51	MS	SW		
310.44	313.49	3.05	3.05	100	2.30	75	MS	SW		
313.49	316.53	3.04	2.65	87	1.76	58	MS	MW		
316.53	320.04	3.51	2.53	72	0.61	17	W	HW		
320.04	323.09	3.05	0.00	0	0.00	0	N/A	N/A		VOID
323.09	324.61	1.52	0.18	12	0.00	0	EW	EW		
324.61	327.66	3.05	3.00	98	2.30	75	MS	FR		
327.66	330.71	3.05	3.05	100	2.50	82	MS	FR		
330.71	333.76	3.05	3.05	100	2.09	69	MS	FR		
333.76	336.80	3.04	3.00	99	2.62	86	MS	FR		
336.80	339.85	3.05	3.05	100	2.40	79	MS	FR		
339.85	342.90	3.05	3.05	100	2.64	87	MS	FR		
342.90	E.O.H.									

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-89

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	OVB		N/A	
2.00	OVB		N/A	
3.00	OVB		N/A	
4.00	LST		0.02	
5.00	LST		0.06	
6.00	LST		0	
7.00	LST		0.06	
8.00	LST		0.08	
9.00	LST		0.08	
10.00	LST		0.12	
11.00	LST		0.04	
12.00	LST		0.26	
13.00	LST		0.08	
14.00	LST		0.12	
15.00	LST		0	
16.00	LST		0.06	
17.00	LST		0.18	
18.00	LST		0.16	
19.00	LST		0.32	
20.00	LST		0.24	
21.00	LST		0.18	
22.00	LST		0.16	
23.00	LST		0.16	
24.00	LST		0.18	
25.00	LST		0.1	
26.00	LST		0.1	
27.00	LST		0.12	
28.00	LST		0.14	
29.00	LST		0.06	
30.00	LST		0	
31.00	LST		0.06	
32.00	LST		0.1	
33.00	LST		0.08	
34.00	LST		0	
35.00	LST		0.06	
36.00	LST		0	
37.00	LST		0	
38.00	LST		0	
39.00	LST		0.06	
40.00	LST		0.02	
41.00	LST		0.02	
42.00	LST		0	
43.00	LST		0.04	
44.00	LST		0	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	LST		0	
46.00	LST		0.16	
47.00	LST		0.14	
48.00	LST		0.04	
49.00	LST		0	
50.00	LST		0	
51.00	LST		0	
52.00	LST		0	
53.00	LST		0.04	
54.00	LST	FOS	0.49	
55.00	LST	FOS	0.2	
56.00	LST	FOS	0.45	
57.00	LST	FOS	0.1	
58.00	LST	FOS	0.47	
59.00	LST	FOS	0.65	
60.00	LST	FOS	0.1	
61.00	LST	FOS	0.04	
62.00	LST	FOS	0.06	
63.00	LST	BX	0.02	
64.00	LST	BX	0.08	
65.00	LST	BX	0.04	
66.00	LST	BX	0.06	
67.00	LST	BX	0.02	
68.00	LST	BX	0.04	
69.00	LST	BX	0.06	
70.00	LST	BX	0	
71.00	LST	BX	0.06	
72.00	LST	BX	0.02	
73.00	LST	BX	0.2	
74.00	LST	BX	0.12	
75.00	LST	BX	0.06	
76.00	LST	BX	0.04	
77.00	LST	BX	0	
78.00	LST		0	
79.00	LST		0	
80.00	LST		0	
81.00	LST		0	
82.00	LST		0	
83.00	LST	MBL	0.04	
84.00	LST	MBL	0.04	
85.00	LST	MBL	0	
86.00	LST	MBL	0.08	
87.00	LST	MBL	0	
88.00	LST	MBL	0	
89.00	LST	FOS	0	
90.00	LST	FOS	0	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	LST	FOS	0	
92.00	LST	FOS	0.38	
93.00	LST	FOS	0	
94.00	LST	FOS	0	
95.00	LST	FOS	0.02	
96.00	LST	FOS	0	
97.00	LST	FOS	0	
98.00	LST	MBL	0.04	
99.00	LST	MBL	0	
100.00	LST	MBL	0.02	
101.00	LST	MBL	0.02	
102.00	LST	MBL	0.57	
103.00	MBL		0.2	
104.00	DOL	MX	1.66	
105.00	DOL	MX	1.49	
106.00	DOL	MX	0.59	
107.00	DOL	MX	0.14	
108.00	DOL	MX	2	
109.00	VN	MX	29.3	
110.00	VN	MX	38	
111.00	VN	MX	0.16	
112.00	VN	MX	0.2	
113.00	VN	MX	21.6	
114.00	VN	MX	0.18	
115.00	VN	MX	0.34	
116.00	VN	MX	1.43	
117.00	VN	MX	0.18	
118.00	VOL		2.02	
119.00	VOL		0.65	
120.00	VOL		0.26	
121.00	VOL		2.13	
122.00	VOL		18.6	
123.00	VOL		0.4	
124.00	VOL		8.48	
125.00	VOL		19.2	
126.00	VOL		0.65	
127.00	VOL		0.06	
128.00	LST	DOL	0.14	
129.00	LST	DOL	0.12	
130.00	LST	DOL	0.08	
131.00	LST	DOL	0.02	
132.00	LST	DOL	0.06	
133.00	LST	DOL	0.61	
134.00	LST	DOL	6.92	
135.00	LST	DOL	7.33	
136.00	LST	DOL	0.04	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	LST	DOL	0.98	
138.00	LST	DOL	0.79	
139.00	LST	DOL	3.38	
140.00	LST	DOL	0.61	
141.00	LST	DOL	0.47	
142.00	LST	DOL	0.45	
143.00	LST	DOL	0.14	
144.00	LST	DOL	0	
145.00	LST	DOL	0.22	
146.00	LST	DOL	0	
147.00	LST	DOL	0.02	
148.00	LST	DOL	0.18	
149.00	LST	DOL	0	
150.00	LST	DOL	0	
151.00	LST	DOL	0	
152.00	LST	DOL	0	
153.00	LST	DOL	0	
154.00	LST	DOL	0	
155.00	LST	DOL	0	
156.00	LST	DOL	0	
157.00	LST	DOL	0	
158.00	LST	DOL	0	
159.00	LST	DOL	0	
160.00	LST	DOL	0	
161.00	LST	DOL	0.02	
162.00	LST	DOL	0	
163.00	LST	DOL	0	
164.00	LST	DOL	0	
165.00	LST	DOL	0	
166.00	LST	DOL	0	
167.00	LST	DOL	0	
168.00	LST	DOL	0.3	
169.00	LST	DOL	0	
170.00	LST	DOL	0.04	
171.00	LST	DOL	0.47	
172.00	LST	DOL	0	
173.00	LST	DOL	0	
174.00	LST	DOL	0	
175.00	LST	DOL	0	
176.00	LST	DOL	0	
177.00	LST	DOL	0	
178.00	LST	DOL	0	
179.00	LST	DOL	0.24	
180.00	LST	DOL	0	
181.00	LST	DOL	0	
182.00	LST	DOL	0	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00	LST	DOL	0	
184.00	LST	DOL	0	
185.00	LST	DOL	0.26	
186.00	LST	DOL	0	
187.00	LST	DOL	0	
188.00	LST	DOL	0	
189.00	LST	DOL	0	
190.00	LST	DOL	0	
191.00	LST	DOL	0	
192.00	LST	DOL	0	
193.00	LST	DOL	0	
194.00	LST	DOL	0.24	
195.00	LST	DOL	0	
196.00	LST	DOL	0.04	
197.00	LST	DOL	0	
198.00	LST	DOL	0	
199.00	LST	DOL	0	
200.00	LST	DOL	0	
201.00	LST	DOL	0	
202.00	LST	DOL	0.69	
203.00	LST	DOL	0	
204.00	LST	DOL	0	
205.00	LST	DOL	0.12	
206.00	LST	DOL	0.14	
207.00	LST	DOL	0	
208.00	LST	DOL	0.14	
209.00	LST	DOL	0.04	
210.00	LST	DOL	0	
211.00	LST	DOL	0	
212.00	LST	DOL	0	
213.00	LST	DOL	0	
214.00	LST	DOL	0	
215.00	LST	DOL	0	
216.00	LST	DOL	0.06	
217.00	LST	DOL	0.02	
218.00	LST	DOL	0.04	
219.00	LST	DOL	0	
220.00	LST	DOL	0	
221.00	LST	DOL	0	
222.00	LST	DOL	0.26	
223.00	LST	DOL	0	
224.00	LST	DOL	0	
225.00	LST	DOL	0	
226.00	LST	DOL	0	
227.00	LST	DOL	0	
228.00	LST	DOL	0.04	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
229.00	LST	DOL	0	
230.00	LST	DOL	0	
231.00	LST	DOL	0	
232.00	LST	DOL	0.1	
233.00	LST	DOL	0.1	
234.00	LST	DOL	0.08	
235.00	LST	DOL	0	
236.00	LST	DOL	0	
237.00	LST	DOL	0.06	
238.00	LST	DOL	0.04	
239.00	LST	DOL	6.99	
240.00	LST	DOL	4.07	
241.00	LST	DOL	0.26	
242.00	LST	DOL	0.12	
243.00	VOL	SER	1.04	
244.00	VOL	SER	5.43	
245.00	VOL	SER	17.30	
246.00	VOL	SER	0.61	
247.00	VOL	SER	14.50	
248.00	VOL	SER	10.60	
249.00	LST	DOL	1.86	
250.00	LST	DOL	0.04	
251.00	LST	DOL	9.90	
252.00	LST	DOL	8.81	
253.00	LST	DOL	1.16	
254.00	LST	DOL	2.19	
255.00	LST	DOL	0.38	
256.00	LST	DOL	3.46	
257.00	LST	MX	1.43	
258.00	LST	MX	1.10	
259.00	LST	MX	0.55	
260.00	DOL		1.57	
261.00	DOL		2.58	
262.00	LST	BX	0.04	
263.00	LST	BX	0.00	
264.00	DOL	MX	1.37	
265.00	VN	MX	0.00	
266.00	VN	MX	0.00	
267.00	VN	MX	0.63	
268.00	VN	MX	0.51	
269.00	VN	MX	0.24	
270.00	VN	MX	0.55	
271.00	VN	MX	0.20	
272.00	VN	MX	0.00	
273.00	VN	MX	0.00	
274.00	LST	DOL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
275.00	DOL	MX	0.10	
276.00	DOL	MX	0.30	
277.00	DOL	MX	3.40	
278.00	LST	DOL	0.00	
279.00	LST	DOL	0.00	
280.00	LST	DOL	0.00	
281.00	DOL	MX	0.73	
282.00	DOL	MX	2.07	
283.00	LST	DOL	0.22	
284.00	DOL	MX	2.72	
285.00	DOL	MX	0.69	
286.00	DOL	MX	0.47	
287.00	DOL	MX	1.25	
288.00	LST	DOL	0.73	
289.00	LST	DOL	0.22	
290.00	LST	DOL	0.34	
291.00	LST	DOL	2.27	
292.00	LST	DOL	0.00	
293.00	LST	DOL	4.34	
294.00	LST	DOL	1.39	
295.00	DOL	MX	0.00	
296.00	DOL	MX	0.00	
297.00	DOL	MX	0.04	
298.00	DOL	MX	0.00	
299.00	DOL	MX	0.14	
300.00	DOL	MX	0.18	
301.00	DOL	MX	0.06	
302.00	DOL	MX	0.00	
303.00	DOL	MX	0.16	
304.00	LST	DOL	0.10	
305.00	LST	DOL	0.12	
306.00	LST	DOL	0.08	
307.00	LST	DOL	0.00	
308.00	LST	DOL	0.00	
309.00	LST	DOL	0.02	
310.00	DOL	MX	0.12	
311.00	DOL	MX	0.08	
312.00	DOL	MX	0.00	
313.00	DOL	MX	0.20	
314.00	DOL	MX	0.14	
315.00	DOL	MX	0.06	
316.00	DOL	MX	0.12	
317.00	DOL	MX	0.00	
318.00	DOL	MX	0.04	
319.00	DOL	MX	0.22	
320.00	DOL	MX	0.02	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
321.00	DOL	MX	N/A	VOID
322.00	DOL	MX	N/A	VOID
323.00	DOL	MX	N/A	VOID
324.00	DOL	MX	0.22	
325.00	DOL	MX	0.02	
326.00	DOL	MX	0.20	
327.00	DOL	MX	0.22	
328.00	MBL		0.18	
329.00	MBL		0.14	
330.00	MBL		0.08	
331.00	MBL		0.34	
332.00	MBL		0.38	
333.00	MBL		0.47	
334.00	VOL		192.00	
335.00	VOL		55.30	
336.00	LEP		1.00	
337.00	LEP		0.36	
338.00	LEP		23.50	
339.00	LEP		0.75	
340.00	LEP		30.50	
341.00	LEP		1.04	
342.00	LEP		0.38	

DENSITY LOG

HOLE: Rau-10-89

Depth (m)	Unit	Modifier	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
			Py %	As %	Other	%							
67.11	LST	FOS	t					15.1	4.2	557.8	327.1	2.72	2.42
106.87	DOL	MX	f					15.0	4.2	680.4	444.5	3.34	2.88
123.49	VOL	AM						16.2	4.2	637.3	422.8	2.90	2.97
135.72	DOL	LST	t					15.2	4.2	596.0	388.5	2.89	2.87
142.21	LST	DOL						14.9	4.2	584.3	380.5	2.89	2.87
174.00	LST	DOL	t					15.0	4.2	588.9	379.8	2.89	2.82
233.70	LST	-	t					15.0	4.2	602.9	383.2	2.96	2.74
241.85	LST	DOL	t					14.8	4.2	695.1	492.0	3.46	3.42
246.63	VOL	SER	t		Po	t		15.2	4.2	623.1	413.7	3.02	2.98
261.10	LST	DOL	t				FOS	15.0	4.2	605.2	397.0	2.97	2.91
264.70	VN	PY						15.1	4.2	1011.7	801.0	4.93	4.80
267.60	VN	PY						14.6	4.2	991.8	789.2	5.00	4.90
286.12	DOL	MX	ms					15.1	4.2	660.5	451.3	3.22	3.16
312.38	DOL	CG	w					15.2	4.2	619.7	409.0	3.00	2.94
326.85	DOL	CG	w	w				14.9	4.2	619.4	411.5	3.06	2.98
331.42	MBL	LST						14.9	4.2	574.1	365.4	2.84	2.75
339.21	LEP							14.9	4.2	588.5	379.9	2.91	2.82

BOX LOG

HOLE: Rau-10-89

BOX	FROM (m)	TO (m)
1	3.90	8.59
2	8.59	13.63
3	13.63	19.08
4	19.08	24.37
5	24.37	29.81
6	29.81	35.16
7	35.16	40.66
8	40.66	46.00
9	46.00	51.66
10	51.66	57.10
11	57.10	62.74
12	62.74	68.25
13	68.25	73.84
14	73.84	79.25
15	79.25	84.79
16	84.79	90.48
17	90.48	96.04
18	96.04	101.77
19	101.77	107.47
20	107.47	112.45
21	112.45	118.25
22	118.25	123.82
23	123.82	129.54
24	129.54	135.18
25	135.18	140.75
26	140.75	146.23
27	146.23	151.53
28	151.53	156.43
29	156.43	160.90
30	160.90	166.00
31	166.00	171.45
32	171.45	176.78
33	176.78	182.18
34	182.18	187.77
35	187.77	193.32

BOX	FROM (m)	TO (m)
36	193.32	198.76
37	198.76	204.22
38	204.22	209.61
39	209.61	215.19
40	215.19	220.74
41	220.74	226.25
42	226.25	231.75
43	231.75	237.36
44	237.36	243.07
45	243.07	248.44
46	248.44	254.10
47	254.10	259.65
48	259.65	265.18
49	265.18	270.88
50	270.88	276.18
51	276.18	281.59
52	281.59	287.12
53	287.12	292.90
54	292.90	298.36
55	298.36	303.79
56	303.79	309.15
57	309.15	314.53
58	314.53	325.00
59	325.00	330.55
60	330.55	336.05
61	336.05	341.75
62	341.75	342.90
342.90 m - EOH		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
10+047NE	10+300NW	528330	7119302	1347	91.59

ZONE: Oxide Zone

SECTION: 10+300NW

HOLE: **Rau-10-90**

CLAIM: Rau 69

Contractor: Superior

Drill: 2

Core size: PQ

Casing depth: 3.05 m out

Drilling dates: June 29 to July 3, 2010

Geology logged by: K. Wynne

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-60.0	compass				

TARGET: Oxide Zone

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	3.51	3.51	OVB	
3.51	32.92	29.41	LST	FO and MBL altered. Orange-brown clay layers.
32.92	71.72	38.80	OX	Medium orange-brown clay to rubble.
71.72	72.39	0.67	LST	DOL altered and cBX.
72.39	91.59	19.20	DOL	coarse grained, Ak and HEM rich. Trace Py.
91.59	E.O.H.			

SAMPLES

Numbers: I075977-I07026

Total: 50

Batch: 42, 43

Date Sent: July 16, 19 2010

Certificate: VA10098071, VA10098844

COMMENTS

The hole was ended because it was through the main oxide zone.

GEOLOGY LOG

HOLE: Rau-10-90

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	3.51	3.51				OVB			Overburden - no recovery																		
3.51	32.92	29.41				LST	MBL		Medium to light grey, FG, LST with fair to intense MBL altered zones and some rubbly intervals. FO is evident throughout. Medium brown to orange brown clay forms layers up to 12 cm long, sometimes with angular clasts of LST ~ 1 cm in diameter. Clay also coats rubble and fractures, increasing down interval.	FO	30					f											
			3.51	15.90	12.39	LST	MBL		Medium grey, FG to MG, marbleized LST with orange-white layers following FO. Fair MBL alteration occurs with zones ~ 4 cm wide of intense orange-white MBL. Thin black stringers define some sections of the FO. Less intensely marbleized intervals contain trace fossils.									MBL	m								
			15.90	20.14	4.24	LST			Medium grey, FO, FG to MG, LST with weak MBL alteration. Small white spotting may be fossils. Light brown alteration patches and layers follow FO. Small light green patches (SER) ~ 1-3 cm wide occur throughout. Trace disseminated dark brown, subhedral, MG cubes are likely altered Py.									MBL	w	t							
			20.14	23.77	3.63	LST	OX		Medium grey, FG to MG, FO, very broken up LST. The interval contains a moderate amount of orange-brown clay with layers up to 12 cm thick layer. Rubble is slightly elongate and appears to be controlled by FO and are coated in clay. Trace disseminated and oxidized FG-MG Py follows FO.							m				t							
			23.77	27.62	3.85	LST	MBL		Light brown-grey to white, FG to MG LST. Marbleization grades from intense to weak down interval, with a corresponding increase in light orange-brown alteration which occurs as stringers, patches, breccia matrix, and pervasive alteration. Overall the interval is rubbly, with light brown clay rich zones. Trace disseminated subhedral oxidized Py.							f		MBL	f	t							
			24.83	25.00	0.17	LST	sBX		Light orange-brown matrix, with ~0.5 cm subrounded LST clasts. Matrix amount and rounding gives a sBX appearance.																		
			27.54	27.62	0.08	LST	OX		Light brown with white spots ~0.5 cm in diameter that could be remnant fossils in light brown altered LST.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			27.62	28.00	0.38	LST			Dark grey FG, FO, LST with orange-brown alteration patches for the first ~20 cm. The remainder of the interval contains rubble patches up to 5 cm that are covered in orange-brown clay.																		
			28.00	32.92	4.92	LST			Light grey, FG to CG, moderately to intensely MBL LST. FO is defined by thin dark grey overprinted seams. Most of interval is rubbly with a light brown clay coating the broken core. Some cohesive core sections are strongly clay altered with remnant LST forming cBX texture.									MBL	m							
			28.00	28.07	0.07	Ca			vCG milky white Ca; VN or MBL.																		
32.92	71.72	38.80				OX			Bright to medium orange-brown with intervals of dark red-brown, light yellow, and blue grey clay to rubble.							i										
			32.92	35.42	2.50	OX			Bright red-brown to orange-brown mottled, clay to rubble, predominantly silt. Dark red-brown SID alteration in patches.							i	m									
			35.42	37.49	2.07	OX			Increased SID content. Dark red-brown to bright orange-brown mottled clay to core pieces, predominantly grit.							i	i									
			37.49	47.50	10.01	OX			Bright orange-brown with dark brown mottled zones, clay to rubble. Increasing SID rubble and colouration down interval.							i	ms									
			47.50	48.16	0.66	OX			blue grey and orange brown interlayered clay to grit rich in Qz (~10%). Have ~10 cm light orange-brown interval which grades into blue-grey interval from bright orange oxide.																		
			48.16	52.00	3.84	OX			Bright orange-brown clay to rubble, predominantly grit. Dark brown patches with sheen (SID) most prevalent in last 20 cm.							i	m									
			52.00	53.25	1.25	OX			Gradational zone between 2 units. Light orange brown clay to grit, with light yellow clay patches and blue grey clay to grit patches.																		
			53.25	55.64	2.39	Qz	GRT		Blue-grey clay to grit, predominantly clay. Very Qz rich (30%), sand sized, RBL up to 0.5 cm. ICN is light yellow for ~25 cm. Sharp contact between light yellow and orange brown OX at 30 degrees TCA.	ICN	30																
			55.64	57.30	1.66	OX	RBL		Dark red to medium orange-brown clay to solid core predominantly rubble. Dark red-brown SID rich zones.							i	m									
			57.30	59.20	1.90	OX			Medium orange-brown clay to rubble. 5 cm zone with darker red-brown colour and QZ rubble ~ 0.5 cm in diameter, followed by slightly green-grey tinting on core surface.							i											

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			59.20	59.77	0.57				Light yellow-beige clay to solid rock, largely RBL. Relatively unaltered pieces of core are hard, mediun green-grey, botryoidal, with a cherty sheen (chert/opal).																			x
			59.77	60.35	0.58	OX			Medium orange-brown clay to grit with light orange linear patches, and dark red-brown patches.																		
			60.35	62.62	2.27	Qz			Qz rich interval with rubble up to 3 cm thick and cohesive core, medium orange to light beige.																		
			62.62	63.00	0.38	OX	Qz		Medium orange-brown to dark brown clay to rubble, with Qz rich intervals up to 20 cm long, Qz pieces up to 4 cm in diameter. Qz composes ~ 2% of interval total.							i	f											
			63.00	65.96	2.96	OX			Medium orange-brown to dark brown clay to grit, and cohesive core. Relict FO defined by light yellow lineations. Dark red-brown spots (OX Py).							i	f											x
			65.96	68.76	2.80	OX			Medium orange-brown with light yellow-orange and dark brown patches. Gradational lCN							i	i	LIM	f								
			67.22	67.97	0.75	OX			Solid core strongly OX and SID altered and fairly LIM altered. Unaltered patches are green grey, shiny, platy SER altered and in dark red-brown crystalline rock.							s	s	LIM	f								
			68.76	71.72	2.96	OX	LST		Medium grey to orange-brown, MG, calcareous cBX LST, with black to orange brown cBX seams. Altered red (HEM) patches occur within. Zones of orange-brown altered solid core to clay. Some SID rich areas. Patches of SER alteration (VOL interlayers?).							ms	s	HEM	m								
71.72	72.39	0.67				LST	DOL	cBX	Medium grey FG to MG DOL LST, becoming more DOL rich down interval. Sharp lCN with CG DOL/ANK. Black stringers form cBX.	m																	
72.39	91.59	19.20				DOL	ANK		Medium grey to yellow and pink tinted white DOL with ANK and HEM alteration. MG-vCG DOL with CG crystals having medium grey rims giving a cBX like texture due to cataclasis. OX alteration is moderate to intense. Trace disseminated MG-CG Py increasing down interval. Trace patchy Ca veinlets.						i			HEM	ms									
			72.50	73.23	0.73	DOL	mBX		Up to 5 cm diameter FG dark grey angular LST clasts, with MG DOL matrix. DOL crystals locally appear to radiate from clasts. Trace MG disseminated OX Py.																			
			74.91	76.06	1.15	OX	DOL		Intense OX alteration and MS SID altered clay to predominantly solid core. Gradational uCN and lCN.							i	ms										
									Seams of FG medium grey Ca in CG Ca..	FO	55																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									Cross-cutting very thin orange-brown Ca veinlet; appears to form along a preferential fracture angle.	VT	35	90															
			79.70	91.59	11.89	DOL	AK		Medium grey rims around crystals of DOL/ANK have blurred, overprinted appearance, sometimes absent.						i											
			81.69	82.53	0.84	OX	DOL		Dark orange-brown OX interval, with a sharp uCN. The upper rock is weakly to moderate-strongly oxidized. The lCN is sharp, planar, has FG Py patches, an uneven corroded core surface, and fair rubble.	lCN	20					s	ms										
			83.84	84.77	0.93	DOL	OX		MG grey to yellow and red tinted white DOL. Altered red-brown, silt to core. Rims of DOL veins preferentially altered, leaving DOL crystals with striated surfaces on core face.																			
			85.00	89.00	4.00	DOL	OX		Medium grey to yellow-white FG-MG DOL with orange brown clay to rubble in zones. Dark brown MG OX with disseminated Py. Dark brown stringers likely As rich (like bellow interval), no orientation.																			
			89.00	91.59	2.59	DOL	AK		FG-CG, yellow-orange and pink tinted white, DOL and ANK. Dark grey spots and stringers weakly cBX DOL in zones. Stringers are rich in dull grey As, that is FG-MG follow possible FO at 91 m.	FO	50				i						t							
									91.59 m - E.O.H. The hole was ended because it was through the main oxide zone.																			

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-90

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
20.73	22.25	1.52	LST	MBL	1.33	88	I075977	42	0.27	19.10	169	0.35	
22.25	23.77	1.52	LST	MBL	1.05	69	I075978	42	0.01	1.41	332	1.07	
23.77	25.30	1.53	LST	MBL	1.16	76	I075979	42	0.03	1.93	152	0.21	
25.30	28.35	3.05	LST	MBL	2.72	89	I075980	42	0.07	1.14	239	0.47	
28.35	29.87	1.52	LST	MBL	0.93	61	I075981	42	0.06	0.70	250	0.26	
29.87	31.39	1.52	LST	MBL	0.98	64	I075982	42	0.04	0.56	194	0.19	
31.39	32.92	1.53	LST	MBL	0.57	37	I075983	42	0.08	0.66	150	0.56	
32.92	34.44	1.52	OX		0.88	58	I075984	42	10.50	0.70	37800	1010.00	
34.44	37.49	3.05	OX		2.61	86	I075985	42	6.65	1.39	54600	339.00	
37.49	39.01	1.52	OX		1.15	76	I075986	42	1.11	2.40	49200	312.00	
39.01	40.54	1.53	OX		1.27	83	I075988	42	1.97	1.13	67600	319.00	
40.54	42.06	1.52	OX		1.37	90	I075989	42	2.65	3.46	45000	412.00	
42.06	43.59	1.53	OX		1.34	88	I075990	42	4.35	4.49	97400	393.00	
43.59	45.11	1.52	OX		1.28	84	I075992	42	7.07	3.35	116500	211.00	
45.11	46.63	1.52	OX		1.27	84	I075993	42	9.01	1.95	82500	551.00	
46.63	48.16	1.53	OX		1.47	96	I075994	42	42.80	10.45	43100	1760.00	
48.16	49.68	1.52	OX		0.99	65	I075995	42	7.37	3.77	37600	248.00	
49.68	51.21	1.53	OX		1.36	89	I075996	42	11.60	2.76	50900	406.00	
51.21	52.73	1.52	OX		1.44	95	I075997	42	38.60	2.16	44100	7780.00	
52.73	54.25	1.52	OX		1.16	76	I075999	42	175.00	34.40	10800	>10000	
54.25	55.78	1.53	OX		0.50	33	I076000	42	67.10	30.10	54700	5300.00	
55.78	57.30	1.52	OX		1.50	99	I076002	42	19.50	3.19	162000	2190.00	
57.30	58.83	1.53	OX		1.50	98	I076003	42	6.03	3.90	62500	4040.00	
58.83	60.35	1.52	OX		1.38	91	I076004	42	2.54	14.00	163000	1340.00	
60.35	61.87	1.52	OX		1.32	87	I076005	42	1.44	5.94	15000	675.00	
61.87	63.40	1.53	OX		1.38	90	I076006	42	3.63	6.91	29000	275.00	
63.40	64.92	1.52	OX		1.35	89	I076007	42	1.57	6.36	21200	407.00	
64.92	66.45	1.53	OX		1.23	80	I076008	42	2.87	1.68	41000	396.00	
66.45	67.97	1.52	OX		1.21	80	I076009	42	0.51	0.54	5850	391.00	
67.97	69.49	1.52	OX		1.48	97	I076010	42	4.16	4.99	9750	51.60	
69.49	71.72	2.23	OX		2.10	94	I076012	42	0.73	16.65	8220	666.00	
71.72	72.39	0.67	LST	DOL	0.63	94	I076013	43	0.01	0.16	149	0.61	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
72.39	74.91	2.52	DOL		2.44	97	I076014	43	0.05	0.65	719	27.30	
74.91	76.06	1.15	DOL		1.14	99	I076015	43	0.12	14.50	5700	101.00	
76.06	78.64	2.58	DOL		2.47	96	I076016	43	0.01	0.79	135	20.10	
78.64	81.69	3.05	DOL		1.42	47	I076018	43	0.13	10.05	945	51.50	
81.69	82.53	0.84	DOL		0.78	93	I076019	43	0.66	15.90	4310	307.00	
82.53	83.84	1.31	DOL		1.22	93	I076020	43	0.05	2.64	1140	48.30	
83.84	85.00	1.16	DOL		1.00	86	I076021	43	0.07	0.18	1850	31.70	
85.00	87.00	2.00	DOL		1.88	94	I076022	43	0.09	0.10	5310	17.65	
87.00	89.00	2.00	DOL		1.70	85	I076024	43	0.74	0.24	2540	75.60	
89.00	91.59	2.59	DOL		2.47	95	I076025	43	0.05	0.15	581	35.20	
-	-	-	-	-	-	-	I075987	42	0.03	0.55	253	1.91	Blank (PQ)
-	-	-	-	-	-	-	I075991	42	0.39	7.05	36	1.29	Standard ROS-1
-	-	-	-	-	-	-	I075998	42	0.16	0.59	221	14.85	Blank (PQ)
-	-	-	-	-	-	-	I076001	42	8.70	22.90	37	4.09	Standard ROS-3
67.97	69.49	1.52	OX		1.48	97	I076011	42	4.55	4.32	9300	40.60	Duplicate
76.06	78.64	2.58	DOL		2.47	96	I076017	43	0.02	0.77	138	15.65	Duplicate
-	-	-	-	-	-	-	I076023	43	1.35	0.76	84	1.28	Standard ROS-2
-	-	-	-	-	-	-	I076026	43	<0.01	0.01	11	0.29	Blank (PQ)

GEOTECHNICAL LOG

HOLE: Rau-10-90

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
3.51	3.96	0.45	0.45	100	0.00	0	W	MW		
3.96	5.49	1.53	0.75	49	0.00	0	W	MW		
5.49	7.01	1.52	0.72	47	0.11	7	W	HW		
7.01	8.53	1.52	0.80	53	0.00	0	W	HW		
8.53	10.06	1.53	1.11	73	0.00	0	W	HW		
10.06	11.58	1.52	0.85	56	0.12	8	W	MW		
11.58	13.11	1.53	1.43	93	0.23	15	W	MW		
13.11	14.63	1.52	1.25	82	0.22	14	W	HW		
14.63	16.15	1.52	0.99	65	0.22	14	W	MW		
16.15	17.68	1.53	1.40	92	0.25	16	W	HW		
17.68	19.20	1.52	1.28	84	0.87	57	MS	SW		
19.20	20.73	1.53	0.99	65	0.00	0	W	HW		
20.73	22.25	1.52	1.33	88	0.00	0	EW	EW	5YR6/6	OXIDE
22.25	23.77	1.52	1.05	69	0.00	0	EW	EW	5YR6/6	OXIDE
23.77	25.30	1.53	1.16	76	0.34	22	W	SW		
25.30	26.82	1.52	1.19	78	0.00	0	W	MW		
26.82	28.35	1.53	1.53	100	1.02	67	W	MW		
28.35	29.87	1.52	0.93	61	0.00	0	W	HW		
29.87	31.39	1.52	0.98	64	0.00	0	W	HW		
31.39	32.92	1.53	0.57	37	0.00	0	W	HW		
32.92	34.44	1.52	0.88	58	0.00	0	EW	EW	5YR4/6	OXIDE
34.44	35.97	1.53	1.20	78	0.00	0	EW	EW	5YR4/6	OXIDE
35.97	37.49	1.52	1.41	93	0.00	0	EW	EW	5YR4/6	OXIDE
37.49	39.01	1.52	1.15	76	0.00	0	EW	EW	5YR4/6	OXIDE
39.01	40.54	1.53	1.27	83	0.00	0	EW	EW	5YR4/6	OXIDE
40.54	42.06	1.52	1.37	90	0.00	0	EW	EW	5YR4/6	OXIDE
42.06	43.59	1.53	1.34	88	0.00	0	EW	EW	5YR4/6	OXIDE
43.59	45.11	1.52	1.28	84	0.00	0	EW	EW	5YR4/6	OXIDE
45.11	46.63	1.52	1.27	84	0.00	0	EW	EW	5YR4/6	OXIDE
46.63	48.16	1.53	1.47	96	0.00	0	EW	EW	5YR4/6	OXIDE
48.16	49.68	1.52	0.99	65	0.00	0	EW	EW	5YR4/6	OXIDE
49.68	51.21	1.53	1.36	89	0.00	0	EW	EW	5YR4/6	OXIDE
51.21	52.73	1.52	1.44	95	1.00	66	EW	EW	5YR4/6	OXIDE
52.73	54.25	1.52	1.16	76	0.00	0	EW	EW	7.5YR5/8 2.5YR6/1	OXIDE
54.25	55.78	1.53	0.50	33	0.00	0	EW	EW	5Y5/1	OXIDE
55.78	57.30	1.52	1.50	99	0.00	0	EW	EW	2.5YR4/4	OXIDE
57.30	58.83	1.53	1.50	98	0.00	0	EW	EW	5YR5/6	OXIDE
58.83	60.35	1.52	1.38	91	0.00	0	EW	EW	7.5YR4/6	OXIDE
60.35	61.87	1.52	1.32	87	0.00	0	EW	EW	7.5YR4/6	OXIDE
61.87	63.40	1.53	1.38	90	0.00	0	EW	EW	5YR4/6	OXIDE
63.40	64.92	1.52	1.35	89	0.00	0	EW	EW	7.5YR4/6	OXIDE
64.92	66.45	1.53	1.23	80	0.00	0	EW	EW	7.5YR4/6	OXIDE
66.45	67.97	1.52	1.21	80	0.00	0	EW	EW	7.5YR4/3	OXIDE
67.97	69.49	1.52	1.48	97	0.73	48	EW	EW	7.5YR4/6	intermixed oxide and competent rock
69.49	71.02	1.53	1.48	97	0.49	32	W	HW	7.5YR4/4	intermixed oxide and competent rock
71.02	72.54	1.52	1.47	97	0.63	41	MS	MW		
72.54	74.07	1.53	1.53	100	1.44	94	W	SW		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
74.07	75.59	1.52	1.49	98	1.23	81	W	MW	5YR4/4	intermixed oxide and competent rock
75.59	77.11	1.52	1.47	97	0.88	58	W	HW	5YR4/4	intermixed oxide and competent rock
77.11	78.64	1.53	1.53	100	1.41	92	MS	SW		
78.64	80.16	1.52	1.42	93	1.24	82	W	MW		
80.16	81.69	1.53	1.53	100	1.28	84	W	MW		
81.69	83.21	1.52	1.49	98	1.11	73	W	MW		
83.21	84.73	1.52	1.23	81	0.52	34	W	MW		
84.73	86.26	1.53	1.42	93	1.36	89	W	MW		
86.26	87.78	1.52	1.50	99	0.68	45	W	MW		
87.78	89.31	1.53	1.28	84	0.50	33	W	MW		
89.31	90.83	1.52	1.42	93	0.82	54	MS	SW		
90.83	91.59	0.76	0.76	100	0.53	70	MS	SW		
91.59	E.O.H.									

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-90

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	OVB		N/A	
2.00	OVB		N/A	
3.00	OVB		N/A	
4.00	LST	MBL	0.00	
5.00	LST	MBL	0.00	
6.00	LST	MBL	0.00	
7.00	LST	MBL	0.00	
8.00	LST	MBL	0.00	
9.00	LST	MBL	0.00	
10.00	LST	MBL	0.08	
11.00	LST	MBL	0.01	
12.00	LST	MBL	0.00	
13.00	LST	MBL	0.00	
14.00	LST	MBL	0.00	
15.00	LST	MBL	0.00	
16.00	LST		0.00	
17.00	LST		0.00	
18.00	LST		0.00	
19.00	LST		0.00	
20.00	LST		0.00	
21.00	LST	OX	0.00	
22.00	LST	OX	0.00	
23.00	LST	OX	0.00	
24.00	LST	MBL	0.00	
25.00	LST	MBL	0.00	
26.00	LST	MBL	0.00	
27.00	LST	MBL	0.00	
28.00	LST		0.00	
29.00	LST		0.00	
30.00	LST		0.00	
31.00	LST		0.00	
32.00	LST		0.00	
33.00	OX		0.42	
34.00	OX		0.81	
35.00	OX		0.50	
36.00	OX		0.23	
37.00	OX		0.38	
38.00	OX		0.41	
39.00	OX		0.23	
40.00	OX		0.38	
41.00	OX		0.37	
42.00	OX		0.59	
43.00	OX		0.39	
44.00	OX		0.47	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	OX		0.23	
46.00	OX		0.26	
47.00	OX		0.62	
48.00	OX		0.10	
49.00	OX		0.16	
50.00	OX		0.68	
51.00	OX		0.45	
52.00	OX		0.34	
53.00	OX		0.11	
54.00	QZ	GRT	0.00	
55.00	QZ	GRT	1.22	
56.00	OX	RBL	0.28	
57.00	OX	RBL	0.35	
58.00	OX		0.47	
59.00	OX		0.35	
60.00	OX		0.32	
61.00	QZ		0.23	
62.00	QZ		0.32	
63.00	OX		0.38	
64.00	OX		0.34	
65.00	OX		0.47	
66.00	OX		0.35	
67.00	OX		0.31	
68.00	OX		0.82	
69.00	OX	LST	0.08	
70.00	OX	LST	0.14	
71.00	OX	LST	0.22	
72.00	LST	DOL	0.01	
73.00	DOL	MX	0.02	
74.00	DOL	ANK	0.22	
75.00	OX	DOL	0.11	
76.00	OX	DOL	0.10	
77.00	OX	DOL	0.29	
78.00	OX	DOL	0.34	
79.00	OX	DOL	0.29	
80.00	OX	DOL	0.17	
81.00	OX	DOL	0.17	
82.00	OX	DOL	0.32	
83.00	DOL	OX	0.31	
84.00	DOL	OX	0.13	
85.00	DOL	OX	0.13	
86.00	DOL	OX	0.04	
87.00	DOL	OX	0.22	
88.00	DOL	OX	0.02	
89.00	DOL	OX	0.17	
90.00	DOL	AK	0.39	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	DOL	AK	0.17	

HOLE: Rau-10-90

Box #	Diameter (cm)	From (m)	To (m)	Unit	Modifier	Recovery	Weight	Density	Comments
12	8.5	32.00	35.42	OX		2.18	63.5	2.35	1/2 a run of limestone
13	8.5	35.42	37.49	OX		1.70	61.5	2.92	
14	8.5	37.49	40.54	OX		2.42	77.5	2.58	
15	8.5	40.54	43.59	OX		2.63	85.5	2.62	
16	8.5	43.59	46.25	OX		2.41	84.5	2.83	
17	8.5	46.25	49.02	OX		2.39	84.5	2.85	
18	8.5	49.02	52.00	OX		2.18	80.5	2.98	
19	8.5	52.00	55.62	OX		2.16	68.5	2.56	
20	8.5	55.62	58.14	OX		2.49	68.5	2.22	
21	8.5	58.14	60.76	OX		2.55	78.5	2.48	
22	8.5	60.76	63.40	OX		2.37	77.5	2.64	
23	8.5	63.40	66.45	OX		2.57	78.5	2.46	
24	8.5	66.45	69.49	OX		2.68	74.5	2.24	1/2 run of competant rock

BOX LOG

HOLE: Rau-10-90

BOX	FROM (m)	TO (m)
1	3.51	6.23
2	6.23	9.32
3	9.32	12.33
4	12.33	14.63
5	14.63	17.28
6	17.28	19.36
7	19.36	21.92
8	21.92	24.21
9	24.21	26.85
10	26.85	28.55
11	28.55	32.00
12	32.00	35.42
13	35.42	37.49
14	37.49	40.54
15	40.54	43.59
16	43.59	46.25
17	46.25	49.02
18	49.02	52.00
19	52.00	55.62
20	55.62	58.14
21	58.14	60.76
22	60.76	63.40
23	63.40	66.45
24	66.45	69.49
25	69.49	72.40
26	72.40	74.91
27	74.91	77.50
28	77.50	80.16
29	80.16	82.65
30	82.65	85.24
31	85.24	88.00
32	88.00	90.83
33	90.83	91.59
91.59 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
10+117	09+800NW	528390	7118969	1355	114.30

ZONE: Upper Tiger

SECTION: 09+800NW

HOLE: **Rau-10-91**

CLAIM: Rau

Contractor: Superior

Drill: 1

Core size: BTW

Casing depth: 16.76 m out

Drilling dates: July 2-3, 2010

Geology logged by: K. Unger

TARGET: Upper Tiger

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-47	compass	83.80	230	-45.0	Ranger
38.10	228	-46.3	Ranger	99.10	230	-44.5	Ranger
53.30	229	-45.9	Ranger	114.30	232	-44.0	Ranger
68.60	229	-45.5	Ranger				

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	16.05	16.05	OVB	
16.05	99.67	83.62	LST	
99.67	101.99	2.32	MBL	
101.99	109.12	7.13	DOL	Mineralized, upper Tiger Zone
109.12	110.60	1.48	VOL	Sp,Gn MX, brecciated
110.60	114.30	3.70	VOL	
114.30	E.O.H.			

SAMPLES

Numbers: I075851-I075858

Total: 18

Batch: 38

Date Sent: July 7 2010

Certificate: VA10094121

COMMENTS

The hole ended because it was passed the target depth.

GEOLOGY LOG

HOLE: Rau-10-91

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	16.05	16.05				OVB			Overburden - no recovery																		
16.05	99.67	83.62				LST			Dark to light grey, variably strained, variably fossiliferous LST, FG to CG throughout. FO angles are shallow and increase with depth. Rock is generally weak in fossils, but can be grainstone in composition where most fossiliferous. Trace Py is present as FG, dull disseminations <1 mm in size to sinuous, FG bands in dark, FG interbeds and calcareous veins. Dissemination textures increase with depth. Stylolites are present below 69.00 m.								MBL	t	t						
			16.05	27.89	11.84	LST	FOS	CG	Light to dark grey, CG LST (crinoid fragment grainstone) with FG, whispy bands of dark minerals ~1 mm wide hosting trace vFG Py. Core is blocky at top of the hole, becoming more comptent with depth. Unit gradationally lighter in colour down interval due to weak MBL alteration. Trace OX is present on fracture surfaces. lCN is sharp and undulose, oriented 15 degrees TCA.						w		MBL	t							
									FO is defined by weak banding, generally 40 degrees TCA, but occurs at shallower angles.	FO	40																
			27.89	65.75	37.86	LST	FOS	FG	Dark to medium grey, FG, variably strained FOS LST with an undulose, shallow strain fabric throughout. Fossils make up trace to ~50% of rock, becoming crinoid packstone in composition in narrow bands where most fossiliferous. Trace Py present as vFG disseminations to forming narrow, sinuous bands with dark, FG LST. Fossils present are crinoid fragments, tabular "honeycomb" favocitid coral framents, rugose, and rare "chain" halycitid coral fragments. Strain and associated dissolution textures increase with depth. Fossils exhibit deformation where strain increases.										t						
									An undulose, generally shallow FO is present, from 0 to 35 degrees TCA, generally ~20 degrees TCA, defined by strain fabric.	FO	20																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			65.75	83.23	17.48	LST		FG	Medium to dark grey, FG LST exhibiting strong dissolution textures and strain fabric. Sinuous, narrow stylolitic dissolution bands are found throughout, becoming more regular and uniform with depth. Trace fossils present in dark, FG, deformed interbeds. Relict fossil textures are obscured to obliterated. Trace Py is present as FG, sheared bands to vFG disseminations. Trace OX alteration occurs on fracture faces.							t					t							
									FO is defined by dissolution bands with variable orientations from 35 to 55 degrees TCA.	FO	40																	
			83.23	85.31	2.08	LST	MBL		Light to medium grey, sucrosic, fairly banded, moderate-strong MBL altered LST exhibiting undulose, narrow dissolution textures to planar marble banding.									MBL	ms								
									FO is defined by dissolution and MBL banding, 50 60 degrees TCA.	FO	55																	
			85.31	90.47	5.16	LST			Light to dark grey, variably strained, variably FOS, deformed LST. Interbeds of FG, dark LST occur throughout. The strain fabric is undulose throughout oriented shallow TCA.																			
									FO is defined by the undulose strain fabric, shallow to core axis, generally 20 degrees TCA, but as low as 0 degrees.	FO	20																	
			90.47	93.40	2.93	LST	FOS	FG	Dark to medium grey, FG, FOS LST becoming crinoid packstone in the most fossiliferous layers between FG bands (relict bedding?). FG layers exhibit a sinuous stran fabric, at times fossils appear weakly strained. 15% of rock is made up of fossils, crinoid stem fragments and a lone rugose coral. Weak OX alteration is present on fracture faces.							w													
									Foliation is strong, oriented 50 degrees TCA defined by banding (bedding?).	FO	50																	
			93.40	98.31	4.91	LST		FG	Dark to light grey, FG, deformed LST with FG-MG interbeds of LST throughout. Strain is exhibited in FG layers with a sinuous fabric, occasionally becoming near dissolution in texture. Trace crinid fossils are present.																			
									Foliation is defined by banding in rock, oriented 50 degrees TCA.	FO	50																	
			98.31	99.67	1.36	LST	MBL		Light to medium grey, sucrosic MG to CG, strongly MBL altered LST with dark bands that appear near stlyolitic to planar, "fuzzy" marble bands. LCN is gradational over 25 cm.	CN						s		MBL	s								
									A strong foliation is defined by banding, oriented 60 degrees TCA.	FO	60																	

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
99.67	101.99	2.32				MBL			White to light grey, sucrosic "Italian" MBL, with trace Py and As throughout. Py and As appear as blebs within veinlets within the marble. A prefferential fracturing with fair OX alteration seen along fractures is oriented 50 degrees TCA.							f				t	t						
									Foliation occurs at 50-60 degrees TCA, defined by weak banding and a prefered orientation in the marble.	FO	55															
									2 veinlets within the marble unit appear "Tiger Zone" in appearance, with CG white to grey DOL with FG Py blebs to near bands within vein mineralization. As is associated with narrow Py sinuous blebs-bands. Trace Sp is present along veinlet selvages.	VN	60	0								ms	f		Sp	t			
101.99	109.12	7.13				DOL	MX	CG	White to medium grey, CG, weakly vuggy DOL with CG As and intense FG Py mineralization. Py is present as FG, dull, green-grey masses 12 cm wide to narrow whispy bands 1 mm wide which locally overprint As. As is present as CG, bright, silver-white euhedral crystals appearing cracked. They form weak 1.5 cm wide bands to aggregate masses a few cm in size. Fair OX alteration is pervasive along fracture faces. The ICN is sharp, defined by DOL and CG Ca vein/BX matrix mineralization.							f				i	m		Sp	t	Gn	t	
									FO is defined by banding in Py, As and DOL, oriented 50 degrees TCA.	FO	50															
									CG, white Ca vein oriented 50 degrees TCA and 0 degrees to FO appearing vuggy, 3.3 cm wide hosting MG-CG Sp and Gn along vein selvages.	VN	50	0											Sp	t	Gn	t	
109.12	110.60	1.48				VOL		BX	White CG Ca, weakly vuggy BX with clasts of intensely SER altered VOL, DOL and Py MX throughout, appearing sBX in texture. (perhaps Ca vein?) DOL and VOL clasts are mineralized with FG red Sp bands to CG crystalline black and red Sp with trace Gn. Fair OX is present along fracture faces. Interesting Ca crystal habit is noted at 109.15 m.									SER	s	t			Sp	w	Gn	t	x

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
110.60	114.30	3.70				VOL		BN	Green, intensely SER altered, FG, BN VOL. uCN is extremely SER altered and bleached over 1.6 m, grading into darker green VOL. CHL alteration increases with depth. Py is present as bright, euhedral cubes in upper SER zone within Ca bands <1.5 cm wide, to MG, euhedral bands within VOL to FG disseminations throughout. Sp is FG, red, and associated with deformed Ca bands throughout VOL. Trace Gn is associated with Sp mineralization.									SER	i	t			Sp	t	Gn	t	
									114.30 m - E.O.H. The hole was ended because it was past the targeted upper Tiger Zone.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-91

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
95.27	98.31	3.04	LST		3.00	99	I075851	38	<0.01	0.03	13	0.07	
98.31	99.67	1.36	LST		1.34	99	I075852	38	<0.01	0.07	23	0.25	
99.67	100.15	0.48	MBL		0.50	104	I075854	38	0.66	3.96	3060	27.50	
100.15	101.99	1.84	MBL		1.80	98	I075855	38	0.89	3.79	212	13.85	
101.99	102.42	0.43	DOL	MX	0.43	100	I075857	38	1.27	8.55	19850	316.00	
102.42	103.87	1.45	DOL	MX	1.45	100	I075858	38	1.19	2.35	1800	291.00	
103.87	104.38	0.51	DOL	MX	0.51	100	I075859	38	0.15	4.48	1460	188.00	
104.38	105.16	0.78	DOL	MX	0.76	97	I075860	38	1.40	1.95	26100	56.90	
105.16	106.80	1.64	DOL	MX	1.53	93	I075861	38	0.53	14.35	6390	124.00	
106.80	107.20	0.40	DOL	MX	0.40	100	I075862	38	2.85	5.10	37400	110.00	
107.20	108.20	1.00	DOL	MX	0.65	65	I075863	38	0.28	2.50	1540	23.60	
108.20	109.12	0.92	DOL	MX	0.90	98	I075864	38	0.96	16.40	25300	124.00	
109.12	110.60	1.48	VOL		0.77	52	I075866	38	0.15	10.10	1020	32.70	
110.60	112.43	1.83	VOL		1.75	96	I075867	38	0.05	2.60	231	19.05	
112.43	114.30	1.87	VOL		1.75	94	I075868	38	0.01	0.27	47	29.20	
98.31	99.67	1.36	LST		1.34	99	I075853	38	<0.01	0.07	16	0.33	Duplicate
-	-	-			-	-	I075856	38	4.27	0.28	60400	219.00	Standard RSS-7
-	-	-			-	-	I075865	38	<0.01	0.12	58	0.73	Blank B(TW)

GEOTECHNICAL LOG

HOLE: Rau-10-91

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
16.05	16.76	0.71	0.63	89	0.00	0	W	SW		
16.76	18.29	1.53	0.30	20	0.00	0	W	SW		
18.29	21.03	2.74	2.74	100	1.95	71	MS	SW		
21.03	24.08	3.05	3.05	100	3.05	100	MS	SW		
24.08	27.28	3.20	3.09	97	2.23	70	MS	SW		
27.28	30.33	3.05	3.05	100	1.52	50	MS	SW		
30.33	33.53	3.20	3.04	95	2.87	90	MS	SW		
33.53	36.58	3.05	3.05	100	2.73	90	MS	SW		
36.58	39.62	3.04	3.04	100	1.93	63	MS	SW		
39.62	42.67	3.05	3.02	99	2.60	85	MS	SW		
42.67	45.72	3.05	3.00	98	2.90	95	MS	SW		
45.72	48.77	3.05	3.05	100	2.27	74	MS	SW		
48.77	51.51	2.74	2.68	98	1.96	72	MS	SW		
51.51	54.56	3.05	2.97	97	2.48	81	MS	SW		
54.56	57.61	3.05	3.05	100	2.18	71	MS	SW		
57.61	59.44	1.83	1.70	93	1.31	72	MS	SW		
59.44	62.48	3.04	3.04	100	2.49	82	MS	SW		
62.48	65.53	3.05	3.01	99	2.48	81	MS	SW		
65.53	68.58	3.05	3.02	99	2.61	86	MS	SW		
68.58	71.63	3.05	3.00	98	2.36	77	MS	SW		
71.63	74.68	3.05	3.03	99	2.84	93	MS	SW		
74.68	77.72	3.04	3.04	100	2.78	91	MS	SW		
77.72	80.77	3.05	3.00	98	2.89	95	MS	SW		
80.77	83.82	3.05	3.01	99	2.77	91	MS	SW		
83.82	86.87	3.05	2.97	97	2.06	68	MS	SW		
86.87	89.92	3.05	3.03	99	2.31	76	MS	SW		
89.92	92.96	3.04	3.01	99	2.57	85	MS	SW		
92.96	96.01	3.05	2.99	98	2.65	87	MS	SW		
96.01	99.06	3.05	3.05	100	2.34	77	MS	FR		
99.06	102.11	3.05	2.97	97	1.32	43	MS	SW		
102.11	105.16	3.05	3.05	100	1.85	61	MS	SW		
105.16	108.20	3.04	2.64	87	0.49	16	MS	HW		
108.20	111.25	3.05	2.47	81	0.93	30	MS	SW		
111.25	114.30	3.05	2.90	95	1.16	38	MS	FR		
114.30	E.O.H.									

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-91

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	OVB		N/A	
2.00	OVB		N/A	
3.00	OVB		N/A	
4.00	OVB		N/A	
5.00	OVB		N/A	
6.00	OVB		N/A	
7.00	OVB		N/A	
8.00	OVB		N/A	
9.00	OVB		N/A	
10.00	OVB		N/A	
11.00	OVB		N/A	
12.00	OVB		N/A	
13.00	OVB		N/A	
14.00	OVB		N/A	
15.00	OVB		N/A	
16.00	OVB		N/A	
17.00	LST	FOS	1.23	
18.00	LST	FOS	0.28	
19.00	LST	FOS	0.00	
20.00	LST	FOS	0.02	
21.00	LST	FOS	0.20	
22.00	LST	FOS	0.08	
23.00	LST	FOS	0.08	
24.00	LST	FOS	0.16	
25.00	LST	FOS	0.02	
26.00	LST	FOS	0.12	
27.00	LST	FOS	0.00	
28.00	LST	FOS	0.04	
29.00	LST	FOS	0.00	
30.00	LST	FOS	0.06	
31.00	LST	FOS	0.12	
32.00	LST	FOS	0.00	
33.00	LST	FOS	0.00	
34.00	LST	FOS	0.12	
35.00	LST	FOS	0.10	
36.00	LST	FOS	0.24	
37.00	LST	FOS	0.00	
38.00	LST	FOS	0.00	
39.00	LST	FOS	0.10	
40.00	LST	FOS	0.12	
41.00	LST	FOS	0.14	
42.00	LST	FOS	0.00	
43.00	LST	FOS	0.49	
44.00	LST	FOS	0.02	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	LST	FOS	0.00	
46.00	LST	FOS	0.02	
47.00	LST	FOS	0.10	
48.00	LST	FOS	0.02	
49.00	LST	FOS	0.04	
50.00	LST	FOS	0.00	
51.00	LST	FOS	0.04	
52.00	LST	FOS	0.04	
53.00	LST	FOS	0.10	
54.00	LST	FOS	0.08	
55.00	LST	FOS	0.04	
56.00	LST	FOS	0.04	
57.00	LST	FOS	0.04	
58.00	LST	FOS	0.08	
59.00	LST	FOS	0.20	
60.00	LST	FOS	0.00	
61.00	LST	FOS	0.00	
62.00	LST	FOS	0.00	
63.00	LST	FOS	0.10	
64.00	LST	FOS	0.16	
65.00	LST	FOS	0.00	
66.00	LST	FG	0.00	
67.00	LST	FG	0.04	
68.00	LST	FG	0.00	
69.00	LST	FG	0.00	
70.00	LST	FG	0.00	
71.00	LST	FG	0.08	
72.00	LST	FG	0.00	
73.00	LST	FG	0.02	
74.00	LST	FG	0.00	
75.00	LST	FG	0.04	
76.00	LST	FG	0.12	
77.00	LST	FG	0.00	
78.00	LST	FG	0.00	
79.00	LST	FG	0.04	
80.00	LST	FG	0.00	
81.00	LST	FG	0.02	
82.00	LST	FG	0.00	
83.00	LST	FG	0.41	
84.00	LST	MBL	0.00	
85.00	LST	MBL	0.02	
86.00	LST		0.00	
87.00	LST		0.10	
88.00	LST		0.06	
89.00	LST		0.00	
90.00	LST		0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	LST	FOS	0.00	
92.00	LST	FOS	0.00	
93.00	LST	FOS	0.61	
94.00	LST	FG	0.06	
95.00	LST	FG	0.00	
96.00	LST	FG	0.02	
97.00	LST	FG	0.00	
98.00	LST	FG	0.06	
99.00	LST	MBL	0.00	
100.00	MBL		0.00	
101.00	MBL		0.04	
102.00	DOL	MX	0.18	
103.00	DOL	MX	0.20	
104.00	DOL	MX	0.55	
105.00	DOL	MX	0.00	
106.00	DOL	MX	0.08	
107.00	DOL	MX	0.08	
108.00	DOL	MX	0.51	
109.00	DOL	MX	0.26	
110.00	DOL	BX	0.55	
111.00	VOL	BN	0.08	
112.00	VOL	BN	0.04	
113.00	VOL	BN	0.02	
114.00	VOL	BN	0.02	

DENSITY LOG

HOLE: Rau-10-91

Depth (m)	Unit	Modifier	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
			Py %	As %	Other	%							
25.85	LST	FOS					CG	15.1	4.2	574.1	363.5	2.80	2.73
60.03	LST	FOS						15.3	4.2	575.9	364.6	2.77	2.73
78.02	LST						FG	14.7	4.2	557.7	353.1	2.79	2.73
84.23	LST	MBL						15.1	4.2	573.7	363.6	2.80	2.73
99.92	MBL							15.0	4.2	571.1	360.4	2.80	2.71
106.80	DOL	MX	S	MS			TIGER	15.2	4.2	816.0	604.0	3.95	3.85
112.17	VOL	BN	W					15.0	4.2	639.7	429.3	3.14	3.04

BOX LOG

HOLE: Rau-10-91

BOX	FROM (m)	TO (m)
1	16.05	22.18
2	22.18	27.65
3	27.65	33.14
4	33.14	38.49
5	38.49	44.08
6	44.08	49.44
7	49.44	54.68
8	54.68	60.23
9	60.23	65.53
10	65.53	71.07
11	71.07	76.67
12	76.67	82.19
13	82.19	87.84
14	87.84	93.37
15	93.37	99.06
16	99.06	104.48
17	104.48	110.43
18	110.43	114.30
114.30 m - EOH		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
10+240NE	10+400NW	528411	7119504	1465	299.62

ZONE: Tiger

SECTION: 10+400NW

HOLE: RAU-10-92

CLAIM: Rau 98f

Contractor: Superior

Drill: 3

Core size: HQ (122.84 m) / NQ

Casing depth: 3.05 m out

Drilling dates: July 2-8, 2010

Geology logged by: E. Theissen and K. Wynne

TARGET: Tiger Zone oxide mineralization

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-76.0	compass	299.60	225	-69.6	Ranger
177.70	229	-70.2	Ranger				
269.10	225	-69.4	Ranger				
284.40	224	-69.3	Ranger				

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	2.79	2.79	OVB	
2.79	35.97	33.18	LST	Marbleized
35.97	61.61	25.64	VOL	AM
61.61	82.00	20.39	MBL	
82.00	161.15	79.15	LST	With minor volcanic interbeds
161.15	215.34	54.19	VOL	
215.34	243.20	27.86	MBL	
243.20	269.43	26.23	OX	
269.43	299.62	30.19	LST	Dolomitized
299.62	E.O.H.			

SAMPLES

Numbers: I075869-I075874, I075888-I075896, I075908-I075933, I075946-I075962, I076093-I076103

Total: 69

Batch: 39, 40, 41, 45

Date Sent: July 9, 10, 19 2010

Certificate: VA10095015, VA10095011, VA10095014 VA10098846

COMMENTS

The hole was ended because it was past the favourable oxide horizon. The drill diameter was reduced at 122.84 m.

GEOLOGY LOG

HOLE: RAU-10-92

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	2.79	2.79				OVB			Overburden - no recovery																		
2.79	35.97	33.18				LST	MBL	BN	Grey to light grey moderately foliated, moderately fossiliferous and intensely marbleized limestone. Unit contains strongly foliated portions up to a mylonite texture. The unit is comprised of fossiliferous intervals up to crinoid packstones as well as interbedded lime-mud and crinoid packstones. Fossils present are Rugosans, Crinoid fragments, Halysities and Favosites.												n							
									The strain is most recognizable in the marbleized portions however other portions also show strain in the form of foliation, micro-folds, clast rotation and offset veins.	FO	30															
			20.73	31.39	10.66	LST			LST becomes more fine-grained, black and silty as well as slightly carbonaceous. Often 5 mm intervals of gouge occur in core fractures. This interval is more fractured than the other portions and is also less marblized but while retaining a dominant foliation.																		
									Small portions of weak oxidation staining the core a rusty-orange colour. Millimetre scale oxide veins cu perpendicular to foliation which here exhibits some chlorite within it.	ICN																	
									Foliation is defined by strain	FO	30															
									Thin<1 mm orange veins with calcite.	VN	35	180	2														
35.97	61.61	25.64				VOL	AM		Pale green to dark-grey to slightly brown amygdaloidal volcanic. AM's occur in the middle of the unit along with extensive calcite veining, all of which occur in a prominent foliation. The upper contact has no AM yet has elongated fine disseminated Po with calcite. Larger calcite veins are euhedral and are associated with Bs or tetrahedrite. Deeper green colours are associated with calcite veining within the VOL.													t						
									Foliation is defined by an elongation of Ca fillec amygdules.	FO	35																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			53.30	61.61	8.31	VOL	AM		Pale green to pale brown-yellow coloured, fine-grained almost clastic-like in appearance (possibly strained amygdale rich volcanic). Highly foliated and sericitized and has floating clasts of rounded limestone, from 1-10 cm. Upper contact has large bulbous 0 deg TCA Qz-Ca veining with cryptic cross cutting relationships. This volcanic is also very calcareous.	uCN								SER	i							
			54.00	54.10	0.10				Carbonaceous gouge	FT																	
									Thin, mm-scale calcite veinlets with sharp contacts.	VN	40	270	4															
									Coarse-grained grey-blue calcite cuts white calcite.	VN	30	0	2															
61.61	82.00	20.39				MBL	LST	BN	Grey to light grey, highly foliated, intensely marblized LST. The foliation is defined by various forms of dissolution seams.																		
									Intensely foliated ranging from single stylolites to anastamosing stylolites to well developed stylo-mottled. Relict pre-strain calcite veins are offset by annealed cm-scale shear planes.	FO	30																
									Broken core along foliation with oxidized gouge material in fractures. Also has abundant cBx textures in MBL.	UCN																	
82.00	161.15	79.15				LST			Dark to medium grey, fine-grained fossiliferous limestone with a strong foliation defined by strain. Dark grey and white spotted veining and blebs, sometimes with vertical white Ca spots. Thin white Ca veinlets generally follow FO. Light orange-brown alteration on fracture surface, veinlets and patches following FO, increases down interval, grading into pervasively altered zones. Trace FG disseminated Po is oxidized down interval following the FO and rimming veinlets.												t						
			94.81	98.62	3.81	LST		cBX	Increased dark grey-white spotted irregular veinlets and blebs form a cBX of the FG medium grey LST. FG dark grey stringers, slightly orange brown altered, cut spotted veinlets and follow FO. Blurred ICN.	FO	30																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			112.49	134.27	21.78	LST	VOL		Dark grey LST with increased orange-brown fg alteration with patches following FO. Alteration increases down interval, with strongest pervasive alteration of core at centre of interval. Orange-brown disseminated spots likely altered Po. Small zones break in platy manor, and SID alteration on fracture surfaces that is more common in platy zones. Very gradational uCN and lCN.	lCN																
			122.02	122.09	0.07				Approximately 7 cm thick Ca vein. Dark grey and white spotted layers and white Ca layers, with green-grey FG stringers . Vugs with round Ca precipitates, and SID alteration occurs in patches.								w									x
			134.27	139.96	5.69	LST	VOL		Dark grey FG LST with orange-brown seams of VOL following FO are very closely spaced (~ 0.5 cm apart). Very broken core, with fractures showing platy grey surfaces. Dark to light grey, MG, spotted layers are thinner than above and tend to follow the FO. Orange-brown alteration is pervasive in zones, increasing toward the lCN. Ca spots could be broken up fossils.	FO	65															
			139.96	142.95	2.99	LST			Orange-brown to medium grey, FO, VOL rich LST. Very broken and altered clay to rubble.																		
			142.95	154.78	11.83	LST			Medium grey, MG LST, with FG, medium to dark grey LST zones. Orange-brown and brown alteration layers are more prevalent in FG zones. Ca and Ca/Qz veinlets up to 3 cm wide occur throughout. Crinoids occur in trace quantities, while other white spots may be fossil fragments. Overall the interval is very broken.																	
			142.95	143.57	0.62	LST		cBX	FG to MG, overprinted cBX with thin dark grey stringers as matrix.																		
			144.21	145.90	1.69	LST			Light to medium grey overprinted coral fossil.																		
			154.78	161.04	6.26	LST	MBL		Light grey, MG , moderately MBL LST, with light orange brown altered patches and zones. Qz/Ca veins up to 2 cm thick cut at various angles TCA. Ca patches and intensely MBL zones ~ 4cm long generally occur near intense orange-brown alteration with thin black stylolites and FG disseminated mineral . Interval is very broken overall.	VN			2					MBL	m							x
			161.04	161.15	0.11				Medium grey clay to grit with subrounded LST rubble up to 1 cm. Possible Fault surface that forms the contact between the surrounding units.	FT	55																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
161.15	215.34	54.19				VOL			FG dark to medium grey or medium green-grey variably magnetic and calcareous, foliated VOL. Ca VT cut at various orientations. Overall the unit is very rubbly, with fractures occurring parallel to the foliation with minor gouge on their surfaces.																			
			161.15	162.31	1.16	VOL	Mg		Dark grey, magnetic, FG VOL with FG white Ca spots. First 15 cm has irregular Ca VT cut off along FO. Gradational lCN.	FO	45																
			162.31	167.28	4.97	VOL	Mg		Green grey, FG VOL with a gradational uCN and lCN. The units is very magnetic and has trace Py disseminated throughout. A Ca vein cuts at 70 deg to CA. The interval overall is quite broken, with <4 cm clay intervals.											t			Mg	ms			
									Ca VT set ~ 0.5 cm wide	VN	70	180														
			167.28	169.13	1.85				Dark grey, non-magnetic VOL with a gradational uCN. White Ca veins are concentrated in top 55 cm and generally follow the FO. The edges of the Ca veinlets are altered a light grey.																		
			174.34	183.65	9.31	VOL			Pale green to grey fine-grained volcaniclastic, with elongated clasts in a highly foliated-sheared magnetic matrix. uCN has 10 cm of coarse-rubble to gouge material.	uCN															Mg	f	
									Strain induced foliation.	FO	60															
									Calcite veins, 1 mm-1 cm with oxide staining, as well as many micro folds and annealed shear planes.	VN	60	0	3			w										
			183.65	187.50	3.85	CGL	Mg		Moderate to weakly magnetic grey to pale greer pebble conglomerate, with elongated 2 cm rounded clasts. Magnetite occurs disseminated in clasts as well as fine-grained cryptic matrix material. The interval is highly strained.																Mg	m	
			195.20	200.20	5.00	VOL	OX		Moderately oxidized version of the green volcaniclastic unit with more sericite alteration and overprinting orange rusty colour. Higher amounts of sericite cause higher fissility and rubbly nature of core. Gougy contacts.							ms		SER	w							
									Strong foliation induced by strain	FO	65															
									Thin 1 mm to cm scale calcite veins with Ox staining.	VN	30	90	1			f										
			204.20	215.34	11.14	VOL	OX		Oxidized and sericitized pale yellow-cream to rusty orange volcaniclastic that is quite rubbly and fissile. The oxide begins in moderately competent sericite altered volcaniclastic and proceeds to softer, gougy and more gritty material. Sericite and strain induced foliations are visible however any smaller features are cryptic at best.							i		SER	i							

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
215.34	221.07	5.73				MBL		cBx	Grey to pale orange marblized unit with extensive cBx and a weak oxide overprint. This unit has no foliation, and has disseminated fine to medium-grained euhedral pyrite, abundant broken core and small oxidized gouge material occur locally. The lower contact becomes more marblized and whiter, less cBx and slightly foliated.							w				w							
									Thin calcite veinlet.	VN	40		1														
221.07	243.20	22.13				MBL			Light grey to white strongly banded fine-grained marble. The foliation is formed by strained single and folded-sinuous grey lines, they appear to be relict stylolites. This unit varies in competency from 40 cm sticks to rubbly core, about 50% of each, often broken core is associated with thin clay-oxide gouge material. The highly foliated marble grades into white non-foliated marble around 235.00 m in sharp interfingerings. This later portion of white marble is much more broken up and rubbly, with abundant oxide gouge.																			
243.20	269.43	26.23				OX			Dark brown to brown soft and silty yet competent enough to remain in core shape oxidized unit. This unit contains small sections of harder rock-like vesicular siderite-limonite portions as well as quartz pebble rubble zones and 40-50 cm LST sticks.							i											
			243.20	249.02	5.82	OX			Very dark brown gritty oxide, minor silty concentrations, no clay, minor quartz rubble in a 5 cm portion.							i											
			249.02	251.30	2.28	Qz	RBL		White bull quartz, very rubbly up to 4 cm cobbles, with minor Ox staining in quartz fractures, poor recovery.																		
			251.30	252.37	1.07	OX			Very dark brown gritty oxide, low silt, no clay, soft.																		
			252.37	254.00	1.63	Qz	RBL		Bull quartz, very rubbly, very poor recovery																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			254.00	262.78	8.78	OX			Pale yellow to yellow-brown to deep red soft oxide with minor quartz rubble occasionally within oxide core. The lighter yellow-brown oxide has very faint and cryptic sericite wisps now heavily oxidized, it also has high muscovite-clear mica contents and is very brittle with poor recovery, maybe a small interbed of volcaniclastic. Grain sizes are mostly fine-silt sized with no clay.																		
			262.78	263.25	0.47	LST	DOL		Intensely cBx dolostone, grey in colour and cBx has a weak preferred orientation at 30 TCA with occasional Ca and OX stain infill at the mm-scale.	cBX				i													
			263.25	265.90	2.65	OX			Reddish brown fine-silt sized oxide unit, soft yet core holds shape. Upper contact is grey as it grades into LST units. Lower contact is darker brown OX to black siderite material which grades into LST-DOL.																		
			265.90	266.80	0.90	LST	DOL		Grey to pale rusty cream coloured and soft oxide holds core shape. LST-DOL has a strong cBx, primary features are distorted and cryptic, fractures and broken core have siderite-OX and brown crumbly grit.	cBX				i													
									Ca and Ox in thin veins	VN	70		2													
			266.80	267.33	0.53	OX			Brown soft yet competent.																	
			267.33	268.00	0.67	LST	DOL		Grey to pale cream coloured dolomitized limestone with a strong cBx. Along various fractures up to 2 mm Ca and OX veining occur, Primary features do not exist.	cBX				i													
			268.00	269.43	1.43	OX			Brown to deep brown to pale yellow competent soft oxide, mostly fine silt sized grains.																	
269.43	299.62	30.19				LST	DOL		Grey to light grey cream coloured extensively cBx dolostone with portions of oxide. Soft rubbly to silty pale yellow brown oxide occurs in upper portions and interfingers with dolostone. Minor veining occurs, cBx has no regular orientation, cBx matrix appears similar to that of dissolution seam organic fill. Minor portions up to 5 cm of matrix dominant breccias occur with the black organic infill and sub-rounded clasts. Most core fractures have oxide staining on the faces. Trace disseminated euhedral medium-grained pyrite occurs.	cBX						w				t						
									Ca and Ox staining in 1-4 mm veins, slightly undulating to irregular contours.	VN	40		1													

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			271.00	274.00	3.00	OX			Silty to soft to sandy light-brown yellow oxide with no siderite. Portions show alteration from Bx-dolostone to oxide as a gradational change.																		
									Dolostone displays more sBx masked by a 'fuzzy' looking slight marbleization. The dolostone fragments are grey and sub-angular and the matrix appears to be dolomitized calcite. One small red-spec of sphalerite occurs with quartz in a vug infill overprinted by the marble.	ICN														Sp	t	
									299.62 m: EOH - The hole was ended because it was through the main oxide horizon.																	

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: RAU-10-92

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
157.89	160.00	2.11	LST		2.00	95	I075869	39	0.02	0.04	18	0.05	
160.00	161.15	1.15	LST		1.15	100	I075870	39	0.01	0.12	27	0.11	
161.15	163.98	2.83	VOL		2.83	100	I075871	39	<0.01	0.06	<5	0.08	
163.98	166.73	2.75	VOL		2.75	100	I075872	39	<0.01	0.05	3	0.05	
166.73	168.86	2.13	VOL		2.13	100	I075873	39	<0.01	0.06	3	0.05	
168.86	170.08	1.22	VOL		1.22	100	I075874	39	0.01	0.10	7	0.08	
183.65	185.00	1.35	VOL		1.35	100	I075888	39	<0.01	0.05	5	0.17	Break in sequence.
185.00	188.00	3.00	VOL		2.93	98	I075889	39	<0.01	0.06	2	0.37	
188.00	191.00	3.00	VOL		2.60	87	I075890	39	<0.01	0.06	1	0.12	
191.00	194.00	3.00	VOL		2.38	79	I075891	39	0.01	0.10	4	0.20	
194.00	195.20	1.20	VOL		1.06	88	I075892	39	<0.01	0.08	6	0.11	
195.20	198.00	2.80	VOL		2.30	82	I075893	39	<0.01	0.13	29	1.56	
198.00	200.20	2.20	VOL		1.75	80	I075894	39	<0.01	0.11	8	93.30	
200.20	203.00	2.80	VOL		2.31	82	I075895	39	<0.01	0.06	27	0.23	
203.00	204.20	1.20	VOL		1.20	100	I075896	39	<0.01	0.06	14	0.54	
204.20	207.00	2.80	VOL		2.34	84	I075908	39	<0.01	0.06	58	2.46	Break in sequence
207.00	210.00	3.00	VOL		2.62	87	I075909	39	0.01	0.16	130	2.68	
210.00	213.00	3.00	VOL		2.85	95	I075910	39	0.01	0.06	64	1.39	
213.00	215.34	2.34	VOL		1.79	76	I075911	39	0.02	0.22	707	2.71	
215.34	218.34	3.00	MBL		1.48	49	I075913	39	0.02	0.34	563	3.24	
218.34	221.07	2.73	MBL		1.89	69	I075914	39	0.02	0.23	421	0.34	
221.07	224.00	2.93	MBL		2.46	84	I075915	39	0.02	0.11	317	0.90	
224.00	227.00	3.00	MBL		2.71	90	I075916	39	0.02	0.06	78	0.08	
227.00	230.00	3.00	MBL		2.33	78	I075917	39	0.01	0.11	251	0.22	
230.00	233.00	3.00	MBL		2.32	77	I075918	39	0.01	0.07	162	0.27	
233.00	234.09	1.09	MBL		0.98	90	I075919	39	0.01	0.13	313	0.33	
234.09	235.31	1.22	MBL		0.72	59	I075921	40	0.01	0.19	318	0.44	
235.31	236.07	0.76	MBL		0.22	29	I075922	40	0.01	0.33	536	0.73	
236.07	237.13	1.06	MBL		0.78	74	I075923	40	0.01	0.18	207	0.36	
237.13	238.81	1.68	MBL		1.39	83	I075924	40	0.01	0.45	1600	1.86	
238.81	240.18	1.37	MBL		1.14	83	I075925	40	0.01	0.10	387	0.45	
240.18	241.71	1.53	MBL		1.02	67	I075926	40	0.02	0.20	247	0.32	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
241.71	243.20	1.49	MBL		0.88	59	I075927	40	0.19	0.28	835	3.76	
243.20	244.45	1.25	OX		0.68	54	I075928	40	0.13	2.89	12150	595.00	
244.45	245.21	0.76	OX		0.55	72	I075930	40	0.06	2.58	9410	1380.00	
245.21	246.28	1.07	OX		0.89	83	I075931	40	0.26	8.69	10750	843.00	
246.28	247.80	1.52	OX		0.61	40	I075932	40	0.13	3.34	8800	799.00	
247.80	249.02	1.22	OX		0.18	15	I075933	40	0.35	5.16	9970	674.00	Break in sequence
249.02	250.24	1.22	OX		0.24	20	I075946	41	0.01	0.54	153	16.25	
250.70	252.37	1.67	OX		0.67	40	I075947	41	0.07	12.75	10100	177.50	
252.83	253.90	1.07	OX		0.20	19	I075948	41	0.03	2.44	68	4.77	
253.90	254.51	0.61	OX		0.61	100	I075949	41	2.57	12.40	2500	2130.00	
254.51	255.27	0.76	OX		0.28	37	I075950	41	1.97	22.10	5960	74.90	
255.27	256.64	1.37	OX		0.61	45	I075951	41	1.83	11.55	6800	116.50	
256.64	257.86	1.22	OX		1.22	100	I075952	41	0.47	7.52	5370	65.70	
257.86	259.38	1.52	OX		1.34	88	I075953	41	0.30	19.25	5490	193.50	
259.38	260.91	1.53	OX		1.53	100	I075955	41	0.46	28.10	5820	358.00	
260.91	262.43	1.52	OX		1.47	97	I075956	41	0.15	11.85	8270	540.00	
262.43	263.04	0.61	OX		0.53	87	I075957	41	0.20	6.29	4090	116.50	
263.04	264.57	1.53	OX		1.53	100	I075958	41	0.22	11.85	8870	256.00	
264.57	266.09	1.52	OX		0.64	42	I075959	41	0.09	22.10	2460	14.65	
266.09	267.61	1.52	OX		1.40	92	I075961	41	0.04	21.00	1750	1.08	
267.61	269.43	1.82	OX		1.51	83	I075962	41	0.18	8.48	6320	66.80	
269.43	270.66	1.23	LST	DOL	0.93	76	I076093	45	0.02	0.99	60	0.12	Break in sequence
270.66	271.97	1.31	LST	DOL	0.89	68	I076094	45	0.07	0.87	400	0.46	
271.97	273.71	1.74	LST	DOL	1.32	76	I076095	45	0.03	1.51	808	1.32	
273.71	275.23	1.52	LST	DOL	1.52	100	I076096	45	0.01	0.69	645	1.44	
275.23	278.00	2.77	LST	DOL	2.59	94	I076097	45	0.01	0.46	962	1.36	
278.00	281.00	3.00	LST	DOL	2.94	98	I076098	45	0.01	0.34	592	0.22	
281.00	284.00	3.00	LST	DOL	3.00	100	I076099	45	<0.01	0.25	404	0.71	
284.00	287.00	3.00	LST	DOL	2.93	98	I076100	45	0.01	0.21	287	0.31	
287.00	290.00	3.00	LST	DOL	2.96	99	I076102	45	0.01	0.91	207	1.16	
290.00	293.00	3.00	LST	DOL	3.00	100	I076103	45	0.01	0.14	230	0.33	
-	-	-	-	-	-	-	I075912	39	0.38	7.09	3	1.31	Standard ROS-1

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
-	-	-	-	-	-	-	I075920	39	<0.01	0.02	<5	0.18	Blank (NQ)
-	-	-	-	-	-	-	I075929	40	<0.01	0.01	<5	0.05	Blank (NQ)
-	-	-	-	-	-	-	I075954	41	8.45	24.80	14	1.29	Standard ROS-4
-	-	-	-	-	-	-	I075960	41	<0.01	0.10	54	0.78	Blank (NQ)
284.00	287.00	3.00	LST	DOL	2.93	98	I076101	45	<0.01	0.26	315	0.32	Duplicate

GEOTECHNICAL LOG

HOLE: RAU-10-92

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
2.79	3.96	1.17	1.17	100	0.00	0	MS	FR		
3.96	5.49	1.53	1.26	82	0.33	22	MS	FR		
5.49	7.01	1.52	1.41	93	0.69	45	MS	FR		
7.01	8.53	1.52	1.37	90	0.42	28	MS	SW		
8.53	10.06	1.53	1.51	99	0.58	38	MS	FR		
10.06	11.58	1.52	1.42	93	0.59	39	MS	FR		
11.58	13.11	1.53	1.53	100	1.43	93	MS	FR		
13.11	14.63	1.52	1.46	96	1.33	87	MS	FR		
14.63	16.15	1.52	1.31	86	0.38	25	MS	FR		
16.15	17.68	1.53	1.52	99	0.41	27	MS	FR		
17.68	19.20	1.52	1.49	98	1.49	98	MS	FR		
19.20	20.73	1.53	1.51	99	0.89	58	MS	FR		
20.73	22.25	1.52	1.42	93	0.13	9	MS	FR		
22.25	23.16	0.91	0.78	86	0.00	0	MS	FR		
23.16	24.69	1.53	1.44	94	0.89	58	MS	FR		
24.69	25.30	0.61	0.57	93	0.53	87	MS	FR		
25.30	26.82	1.52	1.52	100	0.71	47	MS	FR		
26.82	28.35	1.53	1.28	84	0.88	58	MS	FR		
28.35	29.87	1.52	1.41	93	0.76	50	MS	FR		
29.87	31.39	1.52	1.31	86	0.98	64	MS	FR		
31.39	32.92	1.53	1.29	84	0.58	38	MS	FR		
32.92	34.44	1.52	1.41	93	0.89	59	MS	FR		
34.44	35.97	1.53	1.13	74	0.34	22	MS	SW		
35.97	37.49	1.52	1.37	90	0.14	9	MS	SW		
37.49	39.01	1.52	1.51	99	0.72	47	MS	SW		
39.01	40.54	1.53	1.52	99	0.78	51	MS	SW		
40.54	42.06	1.52	1.52	100	1.27	84	MS	SW		
42.06	43.59	1.53	1.40	92	1.22	80	MS	FR		
43.59	45.11	1.52	1.50	99	1.33	88	MS	FR		
45.11	46.63	1.52	1.50	99	0.65	43	MS	FR		
46.63	48.16	1.53	1.43	93	0.69	45	MS	FR		
48.16	49.68	1.52	1.48	97	1.02	67	MS	FR		
49.68	51.21	1.53	1.53	100	1.12	73	MS	FR		
51.21	52.73	1.52	1.40	92	1.40	92	MS	SW		
52.73	54.25	1.52	1.37	90	1.37	90	W	SW		
54.25	55.78	1.53	1.49	97	1.49	97	MS	SW		
55.78	57.30	1.52	1.45	95	1.45	95	MS	FR		
57.30	58.83	1.53	1.47	96	1.47	96	MS	FR		
58.83	60.35	1.52	1.52	100	1.52	100	MS	FR		
60.35	61.87	1.52	1.51	99	1.51	99	MS	FR		
61.87	63.40	1.53	1.51	99	1.51	99	MS	FR		
63.40	64.92	1.52	1.45	95	1.45	95	MS	FR		
64.92	66.45	1.53	1.51	99	1.51	99	MS	SW		
66.45	67.97	1.52	1.46	96	1.46	96	MS	FR		
67.97	69.49	1.52	1.52	100	1.52	100	MS	FR		
69.49	71.02	1.53	1.53	100	1.53	100	MS	FR		
71.02	72.54	1.52	1.52	100	1.52	100	S	FR		
72.54	74.07	1.53	1.42	93	1.47	96	S	FR		
74.07	75.59	1.52	1.52	100	1.52	100	S	FR		
75.59	77.11	1.52	1.38	91	1.38	91	S	FR		
77.11	78.64	1.53	1.53	100	1.53	100	S	FR		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
78.64	80.16	1.52	1.48	97	1.48	97	S	FR		
80.16	81.69	1.53	1.53	100	1.53	100	S	FR		
81.69	83.21	1.52	1.42	93	1.42	93	S	FR		
83.21	84.73	1.52	1.52	100	1.52	100	S	FR		
84.73	86.26	1.53	1.46	95	1.46	95	S	FR		
86.26	87.78	1.52	1.52	100	1.52	100	S	FR		
87.78	89.31	1.53	1.48	97	1.48	97	S	FR		
89.31	90.83	1.52	1.52	100	1.52	100	MS	FR		
90.83	92.35	1.52	1.39	91	1.39	91	MS	FR		
92.35	93.87	1.52	1.52	100	1.52	100	MS	FR		
93.87	95.40	1.53	1.43	93	1.43	93	MS	FR		
95.40	96.93	1.53	1.53	100	1.53	100	MS	FR		
96.93	98.45	1.52	1.37	90	1.37	90	MS	FR		
98.45	99.97	1.52	1.52	100	1.48	97	MS	FR		
99.97	101.50	1.53	1.47	96	1.39	91	MS	FR		
101.50	103.02	1.52	1.52	100	1.49	98	MS	FR		
103.02	104.55	1.53	1.46	95	1.46	95	MS	FR		
104.55	106.07	1.52	1.52	100	1.19	78	MS	FR		
106.07	107.59	1.52	1.35	89	0.76	50	MS	SW		
107.59	109.12	1.53	1.53	100	1.48	97	MS	SW		
109.12	110.64	1.52	1.52	100	1.33	88	MS	SW		
110.64	112.17	1.53	1.53	100	1.34	88	MS	FR		
112.17	113.69	1.52	1.34	88	0.73	48	MS	SW		
113.69	115.21	1.52	1.52	100	0.57	38	MS	SW		
115.21	116.74	1.53	1.34	88	0.67	44	MS	MW		
116.74	118.26	1.52	1.52	100	0.48	32	MS	MW		
118.26	119.79	1.53	1.44	94	0.81	53	MS	MW		
119.79	121.31	1.52	1.52	100	1.40	92	MS	SW		
121.31	122.83	1.52	1.35	89	0.76	50	MS	MW		
122.83	124.36	1.53	0.75	49	0.25	16	MS	SW		
124.36	127.41	3.05	2.72	89	1.29	42	MS	SW		
127.41	130.45	3.04	2.62	86	0.54	18	MS	SW		
130.45	133.50	3.05	2.32	76	1.21	40	W	SW		
133.50	136.55	3.05	2.32	76	0.17	6	MS	SW		
136.55	139.60	3.05	2.77	91	0.10	3	W	SW		
139.60	142.65	3.05	1.45	48	0.22	7	W	MW		
142.65	145.69	3.04	1.41	46	0.58	19	MS	MW		
145.69	147.22	1.53	1.07	70	0.00	0	W	SW		
147.22	148.74	1.52	1.33	87	0.00	0	MS	SW		
148.74	151.79	3.05	1.43	47	0.22	7	MS	SW		
151.79	154.84	3.05	1.49	49	0.57	19	W	MW		
154.84	157.89	3.05	2.73	90	1.25	41	W	MW		
157.89	160.93	3.04	1.55	51	0.85	28	W	MW		
160.93	162.15	1.22	1.05	86	0.35	29	MS	MW		
162.15	163.98	1.83	1.52	83	0.65	36	W	FR		
163.98	166.73	2.75	1.84	67	1.13	41	MS	SW		
166.73	168.86	2.13	2.13	100	0.96	45	MS	SW		
168.86	170.08	1.22	1.10	90	0.38	31	MS	SW		
170.08	172.21	2.13	1.92	90	0.43	20	W	SW		
172.21	174.04	1.83	1.83	100	0.79	43	MS	SW		
174.04	176.17	2.13	1.34	63	0.49	23	MS	SW		
176.17	179.22	3.05	3.05	100	2.09	69	MS	SW		
179.22	181.51	2.29	2.15	94	0.42	18	MS	SW		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
181.51	184.10	2.59	2.53	98	0.79	31	MS	SW		
184.10	185.32	1.22	1.19	98	0.25	20	MS	SW		
185.32	188.06	2.74	2.62	96	0.50	18	MS	SW		
188.06	190.35	2.29	1.94	85	0.33	14	MS	SW		
190.35	192.63	2.28	2.16	95	0.10	4	W	SW		
192.63	193.70	1.07	0.58	54	0.00	0	W	SW		
193.70	195.83	2.13	1.50	70	0.00	0	W	MW		
195.83	197.51	1.68	1.43	85	0.24	14	W	HW		
197.51	200.56	3.05	2.24	73	0.13	4	W	HW		
200.56	203.61	3.05	2.80	92	0.98	32	MS	SW		
203.61	206.65	3.04	2.19	72	0.00	0	W	HW		
206.65	208.03	1.38	1.38	100	0.13	9	W	HW		
208.03	209.09	1.06	0.85	80	0.12	11	MS	HW		
209.09	210.16	1.07	0.62	58	0.00	0	W	EW		
210.16	212.29	2.13	1.90	89	0.00	0	W	EW		
212.29	214.43	2.14	1.81	85	0.00	0	W	EW		
214.43	215.34	0.91	0.54	59	0.00	0	VW	EW		
215.34	215.80	0.46	0.09	20	0.00	0	VW	MW		
215.80	218.39	2.59	1.31	51	0.38	15	MS	MW		
218.39	219.15	0.76	0.55	72	0.12	16	MS	MW		
219.15	221.13	1.98	1.43	72	0.88	44	MS	MW		
221.13	221.89	0.76	0.70	92	0.34	45	MS	MW		
221.89	224.18	2.29	1.81	79	1.09	48	MS	MW		
224.18	224.94	0.76	0.51	67	0.00	0	MS	SW		
224.94	227.99	3.05	2.60	85	2.19	72	MS	SW		
227.99	230.73	2.74	2.35	86	1.15	42	MS	MW		
230.73	232.87	2.14	1.71	80	0.94	44	MS	MW		
232.87	234.09	1.22	1.20	98	0.31	25	MS	HW		
234.09	235.31	1.22	0.69	57	0.19	16	MS	HW		
235.31	236.07	0.76	0.27	36	0.00	0	MS	HW		
236.07	237.13	1.06	0.73	69	0.26	25	MS	HW		
237.13	238.81	1.68	1.42	85	0.00	0	W	HW		
238.81	240.18	1.37	1.22	89	0.00	0	W	HW		
240.18	241.71	1.53	1.18	77	0.43	28	MS	HW		
241.71	244.45	2.74	1.45	53	0.40	15	VW	EW	7.5YR5/6	OXIDE
244.45	245.21	0.76	0.56	74	0.00	0	EW	EW	7.5YR3/1	OXIDE
245.21	246.28	1.07	0.96	90	0.00	0	EW	EW	7.5YR4/4	OXIDE
246.28	247.80	1.52	0.64	42	0.00	0	EW	EW	7.5YR3/3	OXIDE
247.80	249.02	1.22	0.21	17	0.00	0	EW	EW	7.5YR4/3	OXIDE
249.02	250.24	1.22	0.32	26	0.00	0	W	HW	N/A	
250.24	250.70	0.46	0.00	0	0.00	0	N/A	N/A	N/A	
250.70	252.37	1.67	0.72	43	0.00	0	W	HW	5YR 3/4	
252.37	252.83	0.46	0.00	0	0.00	0	N/A	N/A	N/A	
252.83	253.90	1.07	0.13	12	0.00	0	W	HW	N/A	
253.90	254.51	0.61	0.52	85	0.00	0	EW	EW	10YR 7/8	
254.51	255.27	0.76	0.25	33	0.00	0	EW	EW	7.5YR 5/8	
255.27	256.64	1.37	0.49	36	0.00	0	EW	EW	7.5YR 5.8	
256.64	257.86	1.22	1.12	92	0.00	0	EW	EW	7.5YR 5/8	
257.86	259.38	1.52	1.26	83	0.00	0	EW	EW	7.5YR 6/6	
259.38	260.91	1.53	1.48	97	0.00	0	EW	EW	2.5YR 4/8	
260.91	262.43	1.52	1.41	93	0.00	0	EW	EW	2.5YR 4/8	
262.43	263.04	0.61	0.52	85	0.00	0	EW	EW	2.5YR 4/8	
263.04	264.57	1.53	1.51	99	0.00	0	W	EW	5YR 4/6	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
264.57	266.06	1.49	0.62	42	0.00	0	EW	EW	7.5YR 5/8	
266.06	267.61	1.55	1.26	81	0.42	27	EW	EW	7.5YR 5/6	
267.61	269.14	1.53	1.33	87	0.34	22	EW	EW	7.5YR 5/8	
269.14	270.66	1.52	1.20	79	0.94	62	MS	MW	7.5YR4/4	0.22 m of oxide
270.66	271.97	1.31	0.86	66	0.37	28	MS	EW		
271.97	273.71	1.74	1.38	79	0.00	0	W	HW		
273.71	275.23	1.52	1.34	88	0.91	60	MS	HW		
275.23	276.76	1.53	1.41	92	0.98	64	MS	MW		
276.76	278.28	1.52	1.37	90	0.89	59	MS	HW		
278.28	279.81	1.53	1.53	100	0.80	52	MS	MW		
279.81	281.33	1.52	1.45	95	1.06	70	MS	MW		
281.33	282.85	1.52	1.52	100	0.94	62	MS	MW		
282.85	284.38	1.53	1.46	95	0.64	42	MS	MW		
284.38	285.90	1.52	1.52	100	1.28	84	MS	MW		
285.90	287.43	1.53	1.36	89	0.94	61	MS	MW		
287.43	288.95	1.52	1.52	100	1.27	84	MS	MW		
288.95	290.47	1.52	1.49	98	1.39	91	MS	SW		
290.47	292.00	1.53	1.53	100	0.76	50	MS	SW		
292.00	293.52	1.52	1.49	98	1.10	72	MS	SW		
293.52	298.09	4.57	1.70	37	0.80	18	MS	SW		
298.09	299.62	1.53	1.40	92	0.60	39	MS	SW		
299.62	E.O.H.									

MAGNETIC SUSCEPTIBILITY LOG

HOLE: RAU-10-92

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	N/A		N/A	OVERBURDEN
2.00	N/A		N/A	OVERBURDEN
3.00	LST	MBL	0.00	
4.00	LST	MBL	0.00	
5.00	LST	MBL	0.00	
6.00	LST	MBL	0.00	
7.00	LST	MBL	0.10	
8.00	LST	MBL	0.03	
9.00	LST	MBL	0.03	
10.00	LST	MBL	0.00	
11.00	LST	MBL	0.00	
12.00	LST	MBL	0.08	
13.00	LST	MBL	0.00	
14.00	LST	MBL	0.00	
15.00	LST	MBL	0.00	
16.00	LST	MBL	0.00	
17.00	LST	MBL	0.00	
18.00	LST	MBL	0.00	
19.00	LST	MBL	0.00	
20.00	LST		0.00	
21.00	LST		0.00	
22.00	LST		0.00	
23.00	LST		0.00	
24.00	LST		0.00	
25.00	LST		0.06	
26.00	LST		0.20	
27.00	LST		0.15	
28.00	LST		0.00	
29.00	LST		0.00	
30.00	LST		0.00	
31.00	LST		0.00	
32.00	LST	MBL	0.00	
33.00	LST	MBL	0.00	
34.00	LST	MBL	0.00	
35.00	LST	MBL	0.00	
36.00	VOL	AM	0.00	
37.00	VOL	AM	0.73	
38.00	VOL	AM	3.93	
39.00	VOL	AM	0.92	
40.00	VOL	AM	1.15	
41.00	VOL	AM	1.34	
42.00	VOL	AM	0.97	
43.00	VOL	AM	0.99	
44.00	VOL	AM	0.82	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	VOL	AM	0.43	
46.00	VOL	AM	0.43	
47.00	VOL	AM	0.68	
48.00	VOL	AM	0.43	
49.00	VOL	AM	1.10	
50.00	VOL	AM	1.27	
51.00	VOL	AM	1.12	
52.00	VOL	AM	0.62	
53.00	VOL	AM	0.00	
54.00	VOL	AM	0.31	
55.00	VOL	AM	0.33	
56.00	VOL	AM	0.43	
57.00	VOL	AM	0.47	
58.00	VOL	AM	0.48	
59.00	VOL	AM	0.16	
60.00	VOL	AM	0.68	
61.00	VOL	AM	0.57	
62.00	MBL	LST	0.58	
63.00	MBL	LST	0.00	
64.00	MBL	LST	0.00	
65.00	MBL	LST	0.25	
66.00	MBL	LST	0.08	
67.00	MBL	LST	0.00	
68.00	MBL	LST	0.05	
69.00	MBL	LST	0.08	
70.00	MBL	LST	0.00	
71.00	MBL	LST	0.00	
72.00	MBL	LST	0.00	
73.00	MBL	LST	0.00	
74.00	MBL	LST	0.03	
75.00	MBL	LST	0.00	
76.00	MBL	LST	0.11	
77.00	MBL	LST	0.00	
78.00	MBL	LST	0.16	
79.00	MBL	LST	0.00	
80.00	MBL	LST	0.00	
81.00	MBL	LST	0.00	
82.00	MBL	LST	0.00	
83.00	LST		0.50	
84.00	LST		0.36	
85.00	LST		0.28	
86.00	LST		0.05	
87.00	LST		0.06	
88.00	LST		0.63	
89.00	LST		0.38	
90.00	LST		0.92	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	LST		0.62	
92.00	LST		0.92	
93.00	LST		0.33	
94.00	LST		0.48	
95.00	LST		0.10	
96.00	LST		0.00	
97.00	LST		0.26	
98.00	LST		0.00	
99.00	LST		0.30	
100.00	LST		0.47	
101.00	LST		0.65	
102.00	LST		0.78	
103.00	LST		0.75	
104.00	LST		1.00	
105.00	LST		0.67	
106.00	LST		1.20	
107.00	LST		0.28	
108.00	LST		0.15	
109.00	LST		0.06	
110.00	LST		0.43	
111.00	LST		0.15	
112.00	LST		0.30	
113.00	LST	VOL	0.00	
114.00	LST	VOL	0.00	
115.00	LST	VOL	0.00	
116.00	LST	VOL	0.15	
117.00	LST	VOL	0.30	
118.00	LST	VOL	0.00	
119.00	LST	VOL	0.06	
120.00	LST	VOL	0.06	
121.00	LST	VOL	0.00	
122.00	LST	VOL	0.06	
123.00	LST	VOL	0.00	
124.00	LST	VOL	0.03	
125.00	LST	VOL	0.00	
126.00	LST	VOL	0.07	
127.00	LST	VOL	0.00	
128.00	LST	VOL	0.00	
129.00	LST	VOL	0.12	
130.00	LST	VOL	0.10	
131.00	LST	VOL	0.05	
132.00	LST	VOL	0.00	
133.00	LST	VOL	0.20	
134.00	LST	VOL	0.09	
135.00	LST	VOL	0.16	
136.00	LST	VOL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	LST	VOL	0.00	
138.00	LST	VOL	0.01	
139.00	LST	VOL	0.09	
140.00	LST		0.36	
141.00	LST		0.00	
142.00	LST		0.07	
143.00	LST		0.00	
144.00	LST		0.00	
145.00	LST		0.00	
146.00	LST		0.00	
147.00	LST		0.12	
148.00	LST		0.00	
149.00	LST		0.00	
150.00	LST		0.00	
151.00	LST		0.01	
152.00	LST		0.21	
153.00	LST		0.00	
154.00	LST	MBL	0.00	
155.00	LST	MBL	0.01	
156.00	LST	MBL	0.07	
157.00	LST	MBL	0.05	
158.00	LST	MBL	0.00	
159.00	LST	MBL	0.09	
160.00	LST	MBL	0.23	
161.00	LST	MBL	1.26	
162.00	VOL	Mg	8.27	
163.00	VOL	Mg	21.50	
164.00	VOL	Mg	35.90	
165.00	VOL	Mg	39.40	
166.00	VOL	Mg	49.00	
167.00	VOL	Mg	5.98	
168.00	VOL	Mg	1.00	
169.00	VOL	Mg	0.47	
170.00	VOL		1.11	
171.00	VOL		4.44	
172.00	VOL		0.60	
173.00	VOL		4.79	
174.00	VOL		1.18	
175.00	VOL		9.00	
176.00	VOL		30.00	
177.00	VOL		31.90	
178.00	VOL		37.90	
179.00	VOL		22.50	
180.00	VOL		30.80	
181.00	VOL		25.80	
182.00	VOL		58.10	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00	VOL		32.60	
184.00	VOL		9.60	
185.00	VOL		26.20	
186.00	VOL		8.56	
187.00	VOL		4.35	
188.00	VOL		0.29	
189.00	VOL		0.47	
190.00	VOL		9.79	
191.00	VOL		0.29	
192.00	VOL		0.45	
193.00	VOL		0.14	
194.00	VOL		0.29	
195.00	VOL	OX	0.29	
196.00	VOL	OX	0.14	
197.00	VOL	OX	0.29	
198.00	VOL	OX	0.12	
199.00	VOL	OX	0.18	
200.00	VOL	OX	0.16	
201.00	VOL		0.27	
202.00	VOL		0.38	
203.00	VOL		0.34	
204.00	VOL		0.34	
205.00	VOL	OX	0.03	
206.00	VOL	OX	0.16	
207.00	VOL	OX	0.00	
208.00	VOL	OX	0.29	
209.00	VOL	OX	0.10	
210.00	VOL	OX	0.12	
211.00	VOL	OX	0.29	
212.00	VOL	OX	0.25	
213.00	VOL	OX	0.05	
214.00	VOL	OX	0.05	
215.00	VOL	OX	0.01	
216.00	MBL		0.43	
217.00	MBL		0.03	
218.00	MBL		0.18	
219.00	MBL		0.03	
220.00	MBL		0.00	
221.00	MBL		0.00	
222.00	MBL		0.00	
223.00	MBL		0.00	
224.00	MBL		0.00	
225.00	MBL		0.00	
226.00	MBL		0.00	
227.00	MBL		0.00	
228.00	MBL		0.01	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
229.00	MBL		0.00	
230.00	MBL		0.00	
231.00	MBL		0.20	
232.00	MBL		0.16	
233.00	MBL		0.09	
234.00	MBL		0.31	
235.00	MBL		0.21	
236.00	MBL		0.03	
237.00	MBL		0.01	
238.00	MBL		0.00	
239.00	MBL		0.09	
240.00	MBL		0.03	
241.00	MBL		0.00	
242.00	MBL		0.00	
243.00	MBL		0.05	
244.00	OX		0.07	
245.00	OX		0.32	
246.00	OX		0.18	
247.00	OX		0.29	
248.00	OX		0.12	
249.00	OX		0.00	
250.00	QZ	RBL	0.00	
251.00	QZ	RBL	0.00	
252.00	OX		0.31	
253.00	OZ	RBL	0.00	
254.00	OZ	RBL	0.00	
255.00	OX		0.00	
256.00	OX		0.31	
257.00	OX		0.43	
258.00	OX		0.14	
259.00	OX		0.91	
260.00	OX		0.64	
261.00	OX		0.36	
262.00	OX		0.32	
263.00	LST	DOL	0.36	
264.00	OX		0.84	
265.00	OX		0.03	
266.00	LST	DOL	0.00	
267.00	OX		0.09	
268.00	LST	DOL	0.01	
269.00	OX		0.07	
270.00	OX		0.00	
271.00	OX		0.09	
272.00	OX		0.31	
273.00	OX		0.09	
274.00	OX		0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
275.00	LST	DOL	0.01	
276.00	LST	DOL	0.01	
277.00	LST	DOL	0.01	
278.00	LST	DOL	0.54	
279.00	LST	DOL	0.09	
280.00	LST	DOL	0.31	
281.00	LST	DOL	0.00	
282.00	LST	DOL	0.00	
283.00	LST	DOL	0.00	
284.00	LST	DOL	0.03	
285.00	LST	DOL	0.00	
286.00	LST	DOL	0.05	
287.00	LST	DOL	0.87	
288.00	LST	DOL	0.00	
289.00	LST	DOL	0.00	
290.00	LST	DOL	0.00	
291.00	LST	DOL	0.01	
292.00	LST	DOL	0.00	
293.00	LST	DOL	0.00	
294.00	LST	DOL	0.05	
295.00	LST	DOL	0.00	
296.00	LST	DOL	0.00	
297.00	LST	DOL	0.02	
298.00	LST	DOL	0.01	
299.00	LST	DOL	0.00	
300.00	LST	DOL	0.00	

DENSITY LOG

HOLE: RAU-10-92

Depth (m)	Unit	Modifier	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
			Py %	As %	Other	%							
42.26	VOL	VN					Amygdaloidal with Ca infill	16.5	6.1	1363.5	883.8	2.86	2.84
71.02	LST	MBL					Foliated	16.5	6.1	1288.1	813.0	2.70	2.71
95.65	LST	FOS			Po	t		17.2	6.1	1362.6	869.5	2.74	2.76
100.90	LST	VOL						15.0	6.1	1168.5	736.6	2.69	2.71
148.71	VOL						Clacite blebs	18.0	5.0	950.3	597.1	2.65	2.69
203.00	VOL							19.5	5.0	1036.4	650.4	2.67	2.68
229.80	LST	MBL						14.9	5.0	804.8	501.7	2.71	2.66
276.80	LST	CBX						19.7	5.0	1088.4	696.5	2.78	2.78

HOLE: RAU-10-92

Box #	Diameter (cm)	From (m)	To (m)	Unit	Modifier	Recovery	Weight	Density	Comments
57	5.0	244.23	251.56	OX		3.16	40.5	2.92	
58	5.0	251.56	258.17	OX	QZ	3.84	38.5	2.28	1/5 Qz rubble
59	5.0	258.97	263.92	OX		5.04	47.5	2.15	
60	5.0	263.92	269.57	OX	LST	4.73	40.5	1.95	1/2 oxide, 1/2 DOL LST

BOX LOG

HOLE: RAU-10-92

BOX	FROM (m)	TO (m)
1	2.79	6.18
2	6.18	9.45
3	9.45	13.11
4	13.11	16.85
5	16.85	20.49
6	20.49	23.83
7	23.83	27.41
8	27.41	31.10
9	31.10	34.65
10	34.65	37.95
11	37.95	41.45
12	41.45	45.11
13	45.11	48.70
14	48.70	52.73
15	52.73	56.55
16	56.55	60.35
17	60.35	64.00
18	64.00	67.85
19	67.85	71.70
20	71.70	75.82
21	75.82	79.93
22	79.93	83.75
23	83.75	87.63
24	87.63	91.49
25	91.49	95.55
26	95.55	99.39
27	99.39	103.02
28	103.02	106.78
29	106.78	110.36
30	110.36	113.99
31	113.99	117.36
32	117.36	120.69
33	120.69	122.83
34	122.83	128.20
35	128.20	134.27
36	134.27	140.07
37	140.07	146.50
38	146.50	151.44
39	151.44	156.28
40	156.28	161.15
41	161.15	167.07
42	167.07	171.55
43	171.55	176.72
44	176.72	181.84
45	181.84	186.85

BOX	FROM (m)	TO (m)
46	186.85	192.14
47	192.14	197.57
48	197.57	203.27
49	203.27	206.65
50	206.65	211.36
51	211.36	216.33
52	216.33	222.29
53	222.29	227.99
54	227.99	232.87
55	232.87	238.59
56	238.59	244.23
57	244.23	251.56
58	251.56	258.97
59	258.97	263.92
60	263.92	269.57
61	269.57	275.06
62	275.06	279.81
63	279.81	284.52
64	284.52	289.24
65	289.24	294.33
66	294.33	299.62
229.62 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
10+170	09+750	528782	7118966	1395	414.53

ZONE: East

SECTION: 09+750

HOLE: **Rau-10-93**

CLAIM: Rau

Contractor: Superior

Drill: 1

Core size: BTW

Casing depth: 1.54 m out

Drilling dates: July 4- 9, 2010

Geology logged by: K. Unger

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-65.0	compass	161.60	235	-63.5	Ranger
24.40	229	-62.6	Ranger	253.00	242	-63.4	Ranger
70.10	230	-62.5	Ranger	374.90	251	-62.1	Ranger
100.60	232	-62.6	Ranger	405.40	252	-62.2	Ranger

TARGET: Upper Tiger and East Zone mineralization

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	3.30	3.30	OVB	
3.30	218.96	215.66	LST	
218.96	219.93	0.97	MBL	
219.13	219.49	0.36	DOL	Mineralized, Upper Tiger
219.49	220.03	0.54	MBL	
220.03	222.84	2.81	DOL	Mineralized, Upper Tiger
222.84	223.91	1.07	MBL	
223.91	238.65	14.74	VOL	
238.65	353.08	114.43	LST	Dolomitized
351.90	369.16	17.26	VOL	
369.16	387.57	18.41	DOL	Weakly mineralized East Zone in appearance.
387.57	414.53	26.96	LST	Dolomitized
414.53	E.O.H.			

SAMPLES

Numbers: I075875 to I075887, I075897 to I075907, I075934 to I075945, I075963 to I075976, I076088 to I076092.

Total: 55

Batch: 39, 40, 41, 45

Date Sent: July 9, 10, 19, 2010

Certificate: VA10095015, VA10095011, VA10095014 VA10098846

COMMENTS

The hole was ended because it was through the main mineralized horizon.

GEOLOGY LOG

HOLE: Rau-10-93

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	Photo
0.00	3.30	3.30				OVB			Overburden - no recovery																		
3.30	218.96	215.66				LST			Dark to light grey, variably strained, FG to CG, variably interbedded, variably FOS LST. Weak amounts of MBL alteration are present throughout. FO is variable throughout, shallow to moderate angles, with a general steepening trend with depth.							t		MBL	w								
			3.30	10.51	7.21	LST		BN	Dark to light grey, fairly OX, CG LST (crinoid fragment packstone?) with FG, soft, brown, BIO (?) altered VOL. The VOL bands become increasingly SER altered with depth. OX alteration is present on fracture faces and occasionally is pervasive into the core from fractures. VOL interbeds host trace, FG disseminated blebs of Po and very trace FG Py. VOL bands are generally parallel to each other (relic bedding?) OX alteration decreases with depth.							f		BIO	m	t		t					
																				SER	f						
									FO is strong, defined by banded VOL layers, oriented 35 degrees TCA.	FO	35																	
									CG white DOL and rusty orange ANK vein with trace, subhedral MG yellow Py, oriented 25 degrees TCA, 45 degrees to FO, at 110.27 m. Trace Ca minerals within veinlet.	VN	25	45															
			10.51	14.22	3.71	LST		CG	Medium to light grey, CG, fairly MBL altered LST with SER altered VOL interbeds throughout. VOL interbeds decrease in thickness and frequency with depth. MBL alteration obscures relict fossil textures. Trace OX is present on fractures.							t		MBL	f								
																				SER	f						
									A strong FO is defined by VOL bands, oriented 35 degrees TCA.	FO	35																	
									CG white Ca and orange, translucent Qz veinlet, 5.5 cm wide, oriented 50 degrees TCA and 50 degrees to FO.	VN	50	50															
			14.22	17.42	3.20	LST	MBL		Light to dark grey, FG to CG, interbedded, strongly MBL altered LST. Soft, dull, medium grey interbeds (VOL?) with FG, mottled LST 16.25 to 16.76 m. MBL strength increases with depth. Trace OX is present on fracture faces.									MBL	s								
									Defined by banding in MBL and LST interbeds, 30 degrees TCA.	FO	30																	

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									Narrow, white, <3 mm wide Ca stringers throughout, roughly oriented parallel to each other, 30 degrees TCA, 90 degrees to FO.	VN	30	90															
									Grey, translucent, CG Qz veinlet, oriented 60 degrees TCA, 90 degrees to FO.	VN	60	90															
			17.42	53.00	35.58	LST	FOS		Dark to light grey, variably strained, FG to CG, FOS LST. Strain fabric is most strongly exhibited in FG, undulose to sinuous interlayers, sometimes hosting carbonaceous, CG augens with pinch-swell fabric surrounding them. At times fossils exhibit strain. Generally crinoid fossil content is ~30% of rock, but locally as high as 50 to 60% where most fossiliferous, becoming crinoid wakestone in composition. Trace "honeycomb" favocitid tabular corals occur.									MBL	w								
									Foliation is strong, varying in angle throughout, defined by a undulose strain fabric ranging from 0 to 40 degrees TCA and is on average 15-20 degrees.	FO	20															
			53.00	58.02	5.02	LST		BN	Dark to medium grey, FG, variably mottled, variably strained FOS LST. Bands of dark, FG material exhibit a wavy strain fabric, and range from 3 mm to 2.7 cm thick. Fossil content is ~20% of rock.																		
									A steep, strong FO is defined by banding, ranging from 40 to 85 degrees TCA.	FO	70																
			58.02	61.04	3.02	LST		BX	Dark to medium grey, weakly FOS, variably BX, variably strained, LST. An undulose strain fabric is exhibited by deformed mBX textures, with dark LST clasts in a CG, white calcareous matrix. Trace "honeycomb" favocitid and crinoid stem fossil fragments are present.																		
									A steep foliation is defined by strain in BX fabric, oriented 70 degrees TCA.	FO	70																
			61.04	94.63	33.59	LST	FOS		Medium to dark grey, FG-CG, variably strained, weakly FOS LST. A shallow, undulose strain fabric is pervasive throughout, dark, FG bands and some fossils exhibit elongation with orientation of strain, noted by deformed "honeycomb" favocitid corals and crinoid fragments.																		
									A shallow, undulose FO is defined by a strain fabric throughout and is generally oriented 15 degrees TCA but ranges from 0 to 30 degrees TCA.	FO	15															

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			94.63	130.28	35.65	LST	MBL		Medium to dark grey, CG, sucrosic, strongly MBL LST. Rock appears weakly cBX in texture where MBL alteration is weakest, and exhibits dissolution where MBL ALT is strongest. MBL textures overprint cBX where both overlap. An undulose strain fabric is pervasive throughout, shallow TCA. Trace crinoid and "honeycomb" favocitid coral textures are obscured to obliterated by MBL alteration. Where strain is strongest, rock lacks BX textures but maintains MBL banding.								MBL	s									
									A strong FO is defined by banding and BX orientation and is oriented 20-40 degrees TCA.	FO	30																
			130.28	165.39	35.11	LST		BN	Dark to light grey, FG-MG, variably banded, variably strained, weakly FOS, weakly MBL altered LST. The banded texture is defined by narrow (interbeds?), weakly undulose to sinuous bands roughly parallel TCA; steepening with depth with respect to the CA. Where strain is strongest, calcareous augens with pinch-swell textures are present (relict fossils?) Trace crinoid fragment fossils supported in a FG, dark LST matrix. At times these layers are deformed and fossil textures become obscured to obliterated. Py is present within dark, FG, deformed LST bands as bright yellow, FG blebs (diagenic?).								MBL	w	t								x
									FO is generally shallow, ranging from 0 to 30 degrees TCA, generally 10-15 degrees.	FO	15																
			165.39	190.31	24.92	LST	MBL		Dark to light grey, MG-CG, sucrosic, strongly MBL altered, FOS LST with variable strain throughout. Weak BX to BN in texture, with BX exhibiting elongation with strain fabric. Trace Py is present in FG, deformed, dark bands and BX matrix material. Fossils present are deformed "honeycomb" favocitid corals to deformed beds of crinoid fragments in dark FG narrow "beds".								MBL	s	t								x
									FO is defined by banding textures, oriented 30-50 degrees TCA.	FO	40																
			190.31	208.11	17.80	LST		BN	Dark to light grey, FG-CG, variably strained, FOS LST, weakly BN in texture. Strain is exhibited most readily by FG, dark variably fossiliferous, sinuous LST bands. Crinoid content increases with depth, along with deformed chain, honeycomb and rugose coral fossils. Overall, fossil content is less than 10%.								MBL	w									

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									FO is defined by banding textures, oriented 30-45 degrees TCA.	FO	40																
			208.11	212.16	4.05	LST	MBL	BX	Light to dark grey, sucrosic, strongly MBL altered LST. MBL textures overprint BX textures. Strain and MBL alteration increase in strength with depth, exhibiting a marble banding texture down hole. Trace, FG, brownish (VOL?) interbeds are occasional throughout. Deformed "honeycomb" favocitid and rugose coral fragments are present, with fossil textures obscured by strain and MBL alteration.									MBL	s								
									FO is defined by banding and strain, oriented 55-60 degrees TCA.	FO	55																
			212.16	215.97	3.81	LST		BX	Medium to dark grey, FG, cBX non-fossiliferous LST that is variably strained throughout. Fine, crackled BX texture is pervasive throughout, and exhibits a uniform orientation.																		
									A strong FO is defined by BX orientation, 60 degrees TCA.	FO	60																
			215.97	218.96	2.99	LST	MBL	BX	Light to dark grey, sucrosic, strongly MBL LST, with MBL textures overprinting relict BX textures throughout. Rock is variably strained, relict BX clasts (and relict coral fossils?) exhibit a preferential strain orientation. MBL alteration increases with depth, becoming banded in texture.										MBL	s								
									A strong FO is defined by strain fabric and banding, oriented 60 degrees TCA.	FO	60																
218.96	219.13	0.17				MBL			Light grey, sucrosic MBL with a uniform colour throughout. uCn is gradational over several cm. Trace, disseminated, medium grey spots occur throughout. Trace, faint, narrow bands are occur throughout.	uCN																	
									FO is defined by faint bands in unit, oriented 60 degrees TCA.	FO	60																
219.13	219.49	0.36				DOL	MX	CG	White to medium grey, CG, DOL with banded Py and As. Py occurs as FG, dull, greenish yellow bands and as trace, bright, euhedral overprints. As occurs as CG, euhedral crystals. Po overprints the FG, greenish Py and is overprinted by the bright, FG euhedral Py. The entire interval fizzes weakly with HCl.						s								ms	m	f				
									FO is defined by Py banding, oriented 60 to 65 degrees TCA.	FO	60																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other				Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
219.49	220.03	0.54				MBL			Light grey, sucrosic MBL, uniform in colour throughout. Trace, disseminated, medium grey spots throughout. Faint, narrow bands are seen throughout marble.																		
									FO is defined by faint bands in unit, oriented 65 degrees TCA.	FO	65																
220.03	222.84	2.81				DOL	MX	CG	White to medium grey, CG, sparry, hydrothermal DOL with banded sulphide mineralization. Py is present as FG, dull, grey-yellow bands a few mm wide to broader masses a few cm in width. Trace, bright yellow, euhedral Py is also present. Po is present as CG blebs to bands oriented differently than Py bands and overprinted by Py. Po exhibits monoclinic habit throughout and is magnetic. As is absent . Trace TLC alteration is associated with Po MX, creamy green in colour and very soft. (Po veining?)					i							w		w					
									Defined by Py banding, 50 to 60 degrees TCA	FO	55																
									Narrow, <1 cm wide veins with coarse Po and bright, FG yellow Py overprinting Po with TLC alteration up to 3.5 cm from veinlet boundary, oriented 60 degrees TCA, 180 degrees to FO.	VN	60	180															
222.84	223.91	1.07				MBL			White to light grey-brown, sucrosic, banded marble. Faint bands <1 mm to 6 cm wide throughout. lCN is gradational over 12 cm, with narrow, sinuous VOL interbeds. uCN is sharp, oriented 55 degrees TCA.	CN																	
									The FO is defined by banding textures, oriented 55 60 degrees TCA.	FO	55																
223.91	238.65	14.74				VOL		AM	Green to brown, variably Am, variably magnetic, strongly CHL, BIO and SER altered VOL. Margins below and above the uCN and lCN are strongly SER altered, with the lCN additionally BIO and SIL altered. Rock is magnetic and chloritic up hole, and not magnetic and biotitic down hole. Trace Py with VOL, trace sphalerite and galena are associated with veinlets.	CN								CHL	s	t			Sp	t	Gn	t		
																									BIO	s				
																									SER	s				

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			223.91	226.28	2.37	VOL		FG	Olive to dark green, FG, weakly magnetic, weakly BN VOL. BN texture exhibited by alternating layers of CHL and SER altered layers. Magnetic intensity increases with depth. Trace Py is present as blebs to weak, <2 mm bands. Calcareous veinlets follow banding fabric throughout the CHL altered VOL and appear absent where rock is SER ALT.									SER	s	t							
																									CHL	s			
									FO is defined by banding textures, oriented 60 degrees TCA.	FO	60																	
									CG, red Sp and silver-blue grey Gn, in Sp dominated bands 1.1 and 1.3 cm wide in a 6.5 cm wide veinlet oriented 35-45 degrees TCA, 5 degrees to FO. Veinlet selvages exhibit SER alteration of VOL.	VN	40	5											Sp	s	Gn	t	
			226.28	228.00	1.72	VOL		AM	Dark to olive green, AM, magnetic VOL. Amygdules are calcite filled, ovular to amorphous blobs, averaging 1.0 cm in diameter. Narrow, white FG Ca stringers occur throughout, parallel to the FO above.									CHL	s								
																		SER	m								
									Foliation is defined by narrow Ca stringers and weak orientation in amygdules at 55 degrees TCA.	FO	55																
									White to grey, CG DOL vein with intense SER alteration of veinlet selvages, oriented 55 degrees TCA, 0 degrees to FO, 1.9 cm wide, @ 226.94 m.	VN	55	0														
			228.00	230.94	2.94	VOL	CHL	FG	Dark green, FG, intensely CHL altered VOL, lacking amygdules as above, only trace magnetism throughout subunit. A gradation into brown, BIO altered VOL occurs with depth, becoming amygdaloidal below. Trace crystalline <1 mm Py disseminated throughout.									CHL	i	t							
									Lack of structures or textures to take FO reading.	FO	n/a																
									Ca stringers of various orientations, lacking uniformity as veinlets above, and also lack crosscutting relationships to each other. Oriented 35 to 60 degrees TCA.	VN	45														
			230.94	233.45	2.51	VOL		AM	Brown, intensely BIO ALT, AM VOL. Amygdules are ovular to amorphous <1 cm, and filled with MG calcite, and range up to 2-3 cm is diameter Trace Py is present as bright, euhedral disseminations within VOL.									BIO	i	t							

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									Defined by orientation of amygdules, a weak FO is oriented 50 to 60 degrees TCA.	FO	60																
									Qz-Ca veinlet, oriented 60 degrees TCA, 0 degrees to FO, undulose, with trace CHL alteration along veinlet boundaries, 0.8 to 3.5 cm wide.	VN	60	0														
			233.45	238.65	5.20	VOL	SER	AM	Brown to olive grey, strongly BIO and SER altered, FG VOL, becoming moderately SIL with depth. Amygdules become larger and more irregular with depth, appearing as deformed, large amorphous blobs generally 3 cm in size, to sinuous, near BX matrix in texture approaching ICN. BIO alteration overprints SER, rimming and replacing large masses of sericitic VOL between large, soft grey amygdules. Trace Py is present forming small, bright yellow, FG masses that are rare throughout.	CN								BIO	s	t						
																			SER	s							
																			SIL	m							
									FO is defined by amygdule orientation and perhaps a weak strain fabric deforming larger amygdaloidal masses, 50 to 60 degrees TCA.	FO	50															
			236.09	236.15	0.06				FG-MG chlorite veinlet, with grey, soft, clay altered veinlet selvages, 5.5 cm wide @ 236.09 m.	VN	65	0														
									Ca "BX" veinlet. The brecciated texture consists of VOL clasts within a white, Ca BX matrix with later soft, white TLC alteration of Ca.	VN	60	0														
238.65	351.90	113.25				LST	DOL	BX	Medium grey to white, intensely DOL altered, variably BX LST. Generally sBX in texture, occasionally cBX or both with cBX overprinting sBX. Weak ANK and OX alteration throughout. Trace Py present, but only locally as small masses. Strain appears to increase with depth.					i	w	w				t							
			246.44	253.25	6.81	LST	DOL	BX	Medium grey to creamy yellow, strongly ANK altered, intensely DOL altered sBX LST. CG creamy yellow sBX matrix supports coarse, subangular DOL LST BX clasts. Where rock does not exhibit brecciation, CG ankerite veinlets are present. Py occurs as dull, FG nebulous bands oriented 30 degrees TCA where rock is most strongly ANK altered.					i	s				t							
									Rock lacks a uniform fabric throughout, FO not apparent.	FO	n/a															

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			248.85						CG, hydrothermal, creamy orange ANK veinlets with rhombs to teeth-shaped Ak crystals filling veinlet void space. Veinlets are very sparry, 4 mm wide, 30 degrees TCA. 2 such veinlets occur at 248.85 m.	VN	30																
			261.19	265.53	4.34	LST	DOL	BX	Medium grey to white, intensely DOL altered, sBX LST, moderately OX throughout. OX alteration appears on fracture surfaces with some rusty staining of breccia matrix minerals. Rock is blocky, with very small amounts of rubble (fault rubble?) at 262.30 m.					i		m	t			t							
									FO is defined by BX orientation, 50 degrees TCA.	FO	50																
									Dull, grey-yellow to rusty brown Py-SID veinlet, heavily pitted in appearance exhibiting intense OX alteration. Siderite crystals are present in opened rock. Py veinlet is 8 cm wide, SID occurs in a 21 cm wide, weathered and pitted selvage.	VN	60					i			ms							
			274.36	274.39	0.03				CG, bright yellow Py veinlet, oriented 55 degrees TCA, 270 degrees to FO. Veinlet is 3.5 cm wide with ANK alteration of white, BX matrix minerals along veinlet selvages.	VN	55	270							i							
			277.65	280.59	2.94	LST	DOL	BX	Dark to light grey, strained, strongly DOL altered, sBX LST. A strong strain fabric orients BX clasts. Py is present as small, FG dull yellow masses throughout. Dull, grey-yellow Py at 279.48 m is overprinted by coarser, bright yellow Py.					i					ms							
									FO is defined by BX orientation, 50 degrees TCA.	FO	50																
			280.59	323.52	42.93	LST	DOL	BX	Medium grey to white, FG to CG, intensely DOL, variably BX LST, exhibiting strain throughout and is occasionally MO in texture. Rock is generally sBX, with subangular to rounded clasts. BX matrix is white, CG (DOL altered Ca?) and supports BX clasts. BX matrix minerals appear as veinlets where rock does not appear brecciated. Where strain is strongest the BX exhibits an undulose fabric.					i												
									Fo is oriented 45-55 degrees TCA and is defined by BX orientation.	FO	50																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			323.52	342.14	18.62	LST	DOL		Dark to medium grey, FG to CG, variably strained, weakly BX, intensely DOL altered LST appearing "debris flow"-like throughout with trace favocitid "honeycomb" coral fragments. Trace Py is present forming sinuous, narrow bands to FG disseminations. Py content generally increases with depth. Strain fabric is consistent throughout, orienting BX, debris flow and dissolution textures.					i						t							
									FO is defined by strain fabric oriented debris flow and breccia textures, 55 degrees TCA.	FO	55																
									CG, white, toothy DOL veinlets, weakly brecciating and fragmenting host rock forming clusters appearing to weakly brecciate host rock. Py is present as FG to MG subhedral bands along veinlet boundaries and selvages of a veinlet cluster. Py crystals exhibit a growth banding texture. Veinlets are weakly oriented along a FO. Veinlet frequency increases with depth, forming 5 cm wide clusters of 4 to 6 mm wide veinlets.	VN	60	0																
									White CG Ca and grey MG-FG grey Py veinlet with weak Cl along veinlet walls, oriented parallel to FO. Veinlet is 5.0 cm wide and is found at 343.14 m.	VN	60	0																
									CG Qz-Ca veinlet, 3 mm wide, oriented 30 degrees TCA and 50 degrees to FO. Veinlet cross cuts FO structures at 343.04 m.	VN	35	50																
			343.90	351.90	8.00	LST	DOL	BX	Medium to dark grey, intensely DOL altered, variably BX, FG to MG LST appearing variably clastic in texture. FG to MG medium grey matrix supports coarser, dark clasts. Rock exhibits variable BX textures throughout with CG white BX matrix minerals as above, and also cBX textures with broad, angular clasts brecciated by fine, dark breccia matrix minerals. Strain is variable, generally increasing and deforming breccia textures with depth, exhibiting an undulose fabric where strain is highest. Weak Py MX is visible and forms bright yellow euhedral to subhedral crystals, strongly associated with dark, FG bands and deformed masses of LST, to forming cloud-like masses of disseminations. lCN is interbedded with VOL over 18 cm.	ICN				i						w							
									FO is defined by strain fabric, and is oriented 50 to 60 degrees TCA.	FO	55																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									Qz-Ca veinlet, cross cutting white, CG BX-type veinlet, 50 degrees TCA, 350 degrees to FO. BX veinlet is oriented at 35 degrees TCA, 0 degrees to FO.	VN	50	350															
351.90	369.16	17.26				VOL			Dark grey to black with white bands, FG, moderately SIL altered, VOL with intense Qz-MX veining throughout. Hardness is greater than typical VOL (SIL alteration), and weakly calcareous. Where calcareous, VOL hosts bands of bright yellow MG Py. Qz is white, CG, and veining hosts Po as sinuous stringers to small MG masses throughout. Trace bands of Po are also hosted in the VOL rock. Trace amounts of Py is seen replacing Po near vein boundaries, and as masses along Qz VN contacts. Qz VN makes up about 45% of total unit. TLC alteration is present within veining (relict Ca?) and in vein selvages.	VN								SIL	m	s		m					x
																		SER	w								
																		TLC	t								
									FO is defined by banding in VOL, oriented 50 to 55 degrees TCA.	FO	50																
369.16	387.57	18.41				DOL	MX	BX	Light to medium grey, intensely DOL altered, variably recrystallized, weakly BX, Py mineralized DOL and cBX LST. Rock exhibits weak East Zone appearance, with intervals stronger in East Zone textures and mineralization above and below. Py is present as bright, euhedral yellow metallic MG crystals exhibiting weak banding to "shotgun" masses. Py MX is weak throughout, but is locally stronger in zones exhibiting East Zone appearance.					i		w		TLC	w	w		t					
			369.16	374.31	5.15	DOL	MX	SP	White to medium grey, CG DOL with moderate, creamy yellow ANK alteration increasing with depth. uCN is gradational, from Po, CHL and TLC alteration to CG crystalline dolomite over 45 to 50 cm. Py is present as MG, yellow euhedral to subhedral crystals forming weak bands to narrow masses. Creamy green TLC alteration of DOL exhibits CG, radiating fibres throughout. A weak sparry texture is noted throughout.	CN				i		m		TLC	f	m		w					
									FO is weak, defined by Py bands, oriented 70 to 80 degrees TCA.	FO	75																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			374.31	383.07	8.76	LST	DOL	BX	Dark grey to white, strained, rebrecciated, intensely DOL altered LST. cBX overprints a strained, relict sBX fabric throughout with dark, FG interbeds not exhibiting sBX textures. Py is present as sinuous bands rimming narrow black shale interbed at 379.63 m. cBX increasingly appears nearly recrystallized in appearance with depth, lCN is gradational over 12 cm. At times, cBX texture appears near dissolution-like.					i					t							
									FO is defined by strain orientation in BX, 50 to 65 degrees TCA.	FO	55																
			379.68	379.69	0.01				White, CG Qz veinlet passing through shale, oriented 30 degrees TCA, 1 .0 cm wide, roughly oriented with FO and exhibits shear offset of veinlet. Trace Py Mx is present along veinlet boundaries.	VN	30	355								t							
									White to medium grey, 6.4 cm wide, CG crystalline DOL veinlet, orienting 60 degrees TCA, locally deforming rock and defining nearby FO in veinlet selvage orienting banding parallel with vein propagation. Veinlet is oriented 270 degrees to FO, and is found at 382.48 m. A few narrower DOL veinlets are found above.	VN	60	270															
			383.07	387.57	4.50	DOL	MX	CG	White to medium grey, CG, crystalline DOL, weakly sparry throughout, hosting bands of Py MX, approaching a typical East Zone appearance. Py is present as bright, euhedral to subhedral MG crystals forming weak bands to narrow "shotgun" masses throughout. Crystal size decreases with depth, Py MX appears less banded approaching lCN. lCN is gradational, DOL decreases in crystal size and hydrothermal habit. Py MX persists through contact into the top of the next interval.	CN				i					m							x
									Defined by Py and DOL banding textures generally 70 degrees TCA.	FO	70															

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
387.57	414.53	26.96				LST	DOL	BX	Dark to light grey, FG, variably BX, intensely DOL altered LST. Strain is exhibited throughout, increasing with depth. Trace crinoid stem fragment fossils are present. Minor intervals of clastic LST are intermittent throughout. Dark, FG LST layers appear deformed, Py MX is present along dark FG LST margins. "Shotgun" Py is associated with Qz veining; Py is also present as disseminated blebs at the top of the interval decreasing in occurrence with depth. Grey, soft, FG VOL interbeds are present deeper in the interval. Strain increases with depth, giving sBX textures an undulose fabric where strain is highest.																		
									FO is defined by banding and strain fabric orienting BX, 45 to 65 degrees TCA, but generally 50 to 55 degrees TCA.	FO	55															
									White, CG Qz veinlet, 2.5 cm wide, oriented 45 degrees TCA, with 8.5 cm wide selvages of "Shotgun" Py MX.	VN	60															
									White, dolomitized veinlets, numerous throughout, appearing like CG, white, sBX breccia fluids, veinlets are of variable widths and orientations throughout, generally oriented with FO.	VN	50	0														
									414.53 m - E.O.H. The hole was ended because it was through the main mineralized horizon.																	

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-93

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
214.88	217.93	3.05	LST	MBL	3.00	98	I075875	39	<0.01	<0.01	<5	0.12	
217.93	218.96	1.03	LST	MBL	1.03	100	I075876	39	0.02	<0.01	10	0.16	
218.96	219.49	0.53	DOL	MX	0.53	100	I075878	39	0.36	0.16	5120	23.30	
219.46	220.03	0.57	MBL		0.54	95	I075879	39	0.01	0.02	59	1.31	
220.03	220.53	0.50	DOL	MX	0.50	100	I075880	39	0.44	0.21	1720	276.00	
220.53	221.05	0.52	DOL	MX	0.50	96	I075881	39	0.98	0.32	1420	367.00	
221.05	221.84	0.79	DOL	MX	0.79	100	I075882	39	0.42	0.16	1280	269.00	
221.84	222.84	1.00	DOL	MX	0.95	95	I075883	39	0.28	0.14	720	366.00	
222.84	223.91	1.07	MBL		1.05	98	I075885	39	0.01	0.01	6	1.20	
223.91	224.94	1.03	VOL	AM	1.03	100	I075886	39	<0.01	0.05	<5	0.45	
224.94	228.00	3.06	VOL	AM	2.96	97	I075897	39	0.01	2.26	76	3.56	
228.00	230.94	2.94	VOL		2.84	97	I075898	39	<0.01	0.05	1	0.16	
230.94	231.65	0.71	VOL	AM	0.71	100	I075900	39	<0.01	0.03	1	0.06	
231.65	233.45	1.80	VOL	AM	1.76	98	I075901	39	<0.01	0.04	2	0.07	
233.45	235.95	2.50	VOL	AM	2.50	100	I075903	39	<0.01	0.09	45	1.86	
235.95	238.65	2.70	VOL		2.63	97	I075904	39	<0.01	0.06	31	1.20	
238.65	240.79	2.14	LST	DOL	2.10	98	I075905	40	0.01	0.04	19	0.53	
240.79	243.84	3.05	LST	DOL	3.05	100	I075906	40	0.03	0.04	<5	2.04	
279.27	279.77	0.50	LST	Py	0.50	100	I075907	40	0.14	0.11	825	54.90	
338.33	341.38	3.05	LST	DOL	3.04	100	I075934	40	<0.01	0.09	94	0.93	
341.38	342.14	0.76	LST	DOL	0.74	97	I075935	40	<0.01	0.11	49	0.42	
342.14	343.90	1.76	LST	DOL	1.76	100	I075937	40	<0.01	0.03	28	0.09	
343.90	346.95	3.05	LST	DOL	3.01	99	I075939	40	<0.01	0.03	33	0.10	
346.95	350.00	3.05	LST	DOL	3.02	99	I075940	40	0.01	0.05	18	1.13	
350.00	352.90	2.90	LST	DOL	2.87	99	I075941	41	0.03	0.09	18	2.62	
352.90	354.64	1.74	VOL		1.72	99	I075942	41	0.17	1.36	269	121.00	
354.64	355.60	0.96	VOL		0.93	97	I075943	41	0.09	0.39	47	47.50	
355.60	357.59	1.99	QZ	VN	1.90	95	I075944	41	0.01	0.26	64	27.40	
357.59	358.18	0.59	VOL		0.59	100	I075945	41	0.10	2.13	377	170.50	
358.18	360.83	2.65	VOL		2.62	99	I075963	41	0.02	0.54	141	96.10	
360.83	361.94	1.11	VOL		1.11	100	I075964	41	0.01	0.05	20	3.46	
361.94	364.00	2.06	VOL		2.05	100	I075965	41	0.09	0.81	667	291.00	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
364.00	367.00	3.00	VOL		2.87	96	I075967	41	0.15	0.72	628	110.50	
367.00	369.06	2.06	VOL		2.01	98	I075968	41	0.02	0.45	52	464.00	
369.06	371.86	2.80	DOL	MX	2.64	94	I075969	41	0.12	0.36	532	349.00	
371.86	374.31	2.45	DOL	MX	2.39	98	I075970	41	1.72	0.11	474	103.50	
374.31	376.12	1.81	LST	DOL	1.67	92	I075972	41	0.01	0.03	34	0.91	
376.12	377.95	1.83	LST	DOL	1.83	100	I075973	41	0.28	0.07	237	58.20	
377.95	381.00	3.05	LST	DOL	3.04	100	I075975	41	0.01	0.10	66	5.77	
381.00	383.07	2.07	DOL	MX	2.07	100	I075976	41	0.02	0.09	49	1.81	
383.07	385.90	2.83	DOL	MX	2.75	97	I076087	45	0.10	0.16	498	48.00	
385.90	387.57	1.67	DOL	MX	1.50	90	I076089	45	0.10	0.20	621	45.20	
387.57	390.14	2.57	LST	DOL	2.56	100	I076091	45	0.05	0.11	214	9.94	
390.14	393.19	3.05	LST	DOL	2.93	96	I076092	45	<0.01	0.01	27	0.48	
217.93	218.96	1.03	LST	MBL	1.03	100	I075877	39	<0.01	<0.01	8	0.15	Duplicate
-	-	-	-	-	-	-	I075884	39	<0.01	<0.01	8	0.86	Blank (BTW)
-	-	-	-	-	-	-	I075887	39	2.72	0.65	1340	91.20	Standard RESS-8
-	-	-	-	-	-	-	I075899	39	<0.01	0.02	7	0.04	Blank (BTW)
-	-	-	-	-	-	-	I075902	39	4.15	0.27	64300	227.00	Standard RSS-7
341.38	342.14	0.76	LST	DOL	0.74	97	I075936	40	<0.01	0.10	38	0.56	Duplicate
-	-	-	-	-	-	-	I075938	40	0.47	1.76	6160	74.80	Standard RSS-5
-	-	-	-	-	-	-	I075966	41	4.06	0.24	58900	213.00	Standard RSS-7
371.86	374.31	2.45	DOL	MX	2.39	98	I075971	41	2.06	0.11	426	88.80	Duplicate
-	-	-	-	-	-	-	I075974	41	<0.01	0.01	32	0.28	Blank (BTW)
-	-	-	-	-	-	-	I076090	45	0.40	1.46	6090	68.60	Standard RSS-5

GEOTECHNICAL LOG

HOLE: Rau-10-93

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
3.30	3.66	0.36	0.36	100	0.36	100	MS	FR		
3.66	6.10	2.44	2.44	100	1.20	49	MS	FR		
6.10	7.62	1.52	1.36	89	0.56	37	MS	FR		
7.62	10.67	3.05	3.05	100	2.03	67	MS	FR		
10.67	13.72	3.05	2.96	97	2.69	88	MS	FR		
13.72	16.76	3.04	3.02	99	2.69	88	MS	FR		
16.76	19.81	3.05	3.05	100	2.75	90	MS	FR		
19.81	22.86	3.05	2.94	96	2.74	90	MS	FR		
22.86	25.91	3.05	2.99	98	2.99	98	MS	FR		
25.91	28.96	3.05	3.04	100	3.04	100	MS	FR		
28.96	32.00	3.04	2.99	98	2.37	78	S	FR		
32.00	35.05	3.05	3.04	100	3.00	98	S	FR		
35.05	38.10	3.05	3.03	99	2.63	86	S	FR		
38.10	41.15	3.05	3.03	99	2.97	97	MS	FR		
41.15	44.20	3.05	2.99	98	2.70	89	MS	FR		
44.20	47.24	3.04	2.96	97	2.67	88	MS	FR		
47.24	50.29	3.05	2.97	97	2.85	93	MS	FR		
50.29	53.34	3.05	2.99	98	2.75	90	MS	FR		
53.34	56.39	3.05	2.98	98	2.38	78	MS	FR		
56.39	59.44	3.05	3.05	100	2.96	97	MS	FR		
59.44	62.48	3.04	3.01	99	2.88	95	MS	FR		
62.48	65.53	3.05	3.02	99	2.78	91	S	FR		
65.53	68.58	3.05	3.02	99	2.98	98	S	FR		
68.58	71.63	3.05	3.02	99	2.95	97	S	FR		
71.63	74.68	3.05	3.03	99	2.75	90	S	FR		
74.68	77.72	3.04	3.01	99	2.60	86	S	FR		
77.72	80.77	3.05	3.05	100	3.03	99	S	FR		
80.77	83.82	3.05	3.04	100	3.04	100	S	FR		
83.82	86.87	3.05	3.00	98	2.95	97	S	FR		
86.87	89.92	3.05	3.03	99	2.80	92	S	FR		
89.92	92.96	3.04	3.02	99	2.44	80	MS	FR		
92.96	96.01	3.05	3.02	99	2.63	86	S	FR		
96.01	99.06	3.05	3.01	99	3.01	99	S	FR		
99.06	102.11	3.05	3.04	100	2.60	85	S	FR		
102.11	105.16	3.05	3.04	100	3.04	100	S	FR		
105.16	108.20	3.04	3.04	100	3.04	100	MS	FR		
108.20	111.25	3.05	2.99	98	2.78	91	MS	FR		
111.25	114.30	3.05	3.04	100	2.98	98	MS	FR		
114.30	117.35	3.05	3.05	100	2.69	88	MS	FR		
117.35	120.40	3.05	3.04	100	2.85	93	MS	FR		
120.40	123.44	3.04	3.01	99	2.80	92	MS	FR		
123.44	126.49	3.05	3.01	99	2.99	98	MS	FR		
126.49	129.54	3.05	3.03	99	2.50	82	MS	FR		
129.54	132.59	3.05	3.00	98	1.85	61	MS	FR		
132.59	135.64	3.05	3.04	100	2.57	84	MS	FR		
135.64	138.68	3.04	3.04	100	2.88	95	MS	FR		
138.68	141.73	3.05	3.05	100	2.84	93	MS	FR		
141.73	144.78	3.05	3.02	99	2.55	84	MS	FR		
144.78	147.83	3.05	3.03	99	2.82	92	MS	FR		
147.83	150.88	3.05	3.05	100	2.98	98	MS	FR		
150.88	153.92	3.04	3.04	100	2.78	91	MS	FR		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
153.92	156.97	3.05	3.01	99	2.83	93	MS	FR		
156.97	160.02	3.05	2.98	98	2.82	92	MS	FR		
160.02	163.07	3.05	2.97	97	2.60	85	MS	FR		
163.07	166.12	3.05	3.05	100	2.83	93	MS	FR		
166.12	169.16	3.04	3.04	100	2.82	93	MS	FR		
169.16	172.21	3.05	3.05	100	2.75	90	MS	FR		
172.21	175.26	3.05	3.05	100	2.88	94	MS	FR		
175.26	178.31	3.05	3.05	100	2.45	80	MS	FR		
178.31	181.36	3.05	3.05	100	2.77	91	MS	FR		
181.36	184.40	3.04	3.04	100	2.51	83	MS	FR		
184.40	187.45	3.05	3.05	100	2.54	83	MS	FR		
187.45	190.50	3.05	2.93	96	2.77	91	MS	FR		
190.50	193.55	3.05	3.05	100	2.85	93	MS	FR		
193.55	196.60	3.05	3.00	98	2.78	91	MS	FR		
196.60	199.64	3.04	3.02	99	2.75	90	MS	FR		
199.64	202.69	3.05	3.05	100	2.73	90	MS	FR		
202.69	205.74	3.05	3.05	100	2.64	87	MS	FR		
205.74	208.79	3.05	3.05	100	2.82	92	MS	FR		
208.79	211.84	3.05	3.02	99	2.90	95	MS	FR		
211.84	214.88	3.04	3.05	100	2.76	91	MS	FR		
214.88	217.93	3.05	3.00	98	2.82	92	MS	FR		
217.93	220.98	3.05	3.05	100	2.67	88	MS	FR		
220.98	223.42	2.44	2.35	96	2.12	87	MS	FR		
223.42	225.55	2.13	2.13	100	1.97	92	MS	FR		
225.55	228.60	3.05	3.00	98	2.54	83	MS	FR		
228.60	231.65	3.05	2.99	98	1.93	63	MS	FR		
231.65	234.70	3.05	3.05	100	2.88	94	MS	FR		
234.70	237.74	3.04	2.94	97	2.65	87	MS	FR		
237.74	240.79	3.05	3.05	100	3.05	100	MS	FR		
240.79	243.84	3.05	3.04	100	2.45	80	MS	FR		
243.84	246.89	3.05	3.01	99	2.02	66	MS	FR		
246.89	249.94	3.05	3.05	100	2.09	69	MS	SW		
249.94	252.98	3.04	2.99	98	2.04	67	MS	SW		
252.98	256.03	3.05	3.05	100	2.72	89	MS	SW		
256.03	259.08	3.05	3.01	99	2.26	74	MS	SW		
259.08	262.13	3.05	3.05	100	1.54	50	MS	SW		
262.13	265.18	3.05	2.49	82	0.51	17	W	HW		
265.18	268.22	3.04	3.04	100	2.55	84	MS	SW		
268.22	271.27	3.05	2.96	97	2.51	82	MS	SW		
271.27	274.32	3.05	3.04	100	2.91	95	MS	SW		
274.32	277.37	3.05	2.95	97	2.89	95	MS	SW		
277.37	278.89	1.52	1.34	88	0.79	52	MS	FR		
278.89	281.94	3.05	3.01	99	2.80	92	MS	FR		
281.94	284.99	3.05	3.04	100	2.62	86	MS	FR		
284.99	288.04	3.05	2.97	97	2.68	88	MS	FR		
288.04	291.08	3.04	3.04	100	2.57	85	MS	FR		
291.08	294.13	3.05	3.03	99	2.65	87	MS	FR		
294.13	297.18	3.05	2.99	98	2.62	86	MS	FR		
297.18	300.23	3.05	2.99	98	2.44	80	MS	FR		
300.23	303.28	3.05	3.01	99	2.72	89	MS	FR		
303.28	305.71	2.43	2.26	93	2.13	88	MS	FR		
305.71	307.85	2.14	2.14	100	1.78	83	MS	FR		
307.85	310.90	3.05	3.02	99	2.92	96	MS	FR		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
310.90	313.94	3.04	2.98	98	2.10	69	MS	FR		
313.94	316.99	3.05	2.98	98	1.45	48	MS	SW		
316.99	320.04	3.05	2.98	98	1.95	64	MS	SW		
320.04	323.08	3.04	3.03	100	2.75	90	MS	FR		
323.08	326.14	3.06	3.00	98	2.84	93	MS	FR		
326.14	329.18	3.04	3.02	99	2.87	94	MS	FR		
329.18	332.23	3.05	3.02	99	2.85	93	MS	FR		
332.23	335.28	3.05	3.04	100	2.92	96	MS	FR		
335.28	338.33	3.05	3.04	100	2.88	94	MS	FR		
338.33	341.38	3.05	3.02	99	3.02	99	MS	FR		
341.38	344.42	3.04	3.01	99	2.86	94	MS	FR		
344.42	347.47	3.05	3.02	99	2.89	95	MS	FR		
347.47	350.52	3.05	2.90	95	2.71	89	MS	FR		
350.52	353.57	3.05	3.05	100	2.74	90	MS	FR		
353.57	356.61	3.04	2.98	98	2.49	82	MS	FR		
356.61	359.66	3.05	3.05	100	2.69	88	MS	FR		
359.66	362.71	3.05	2.99	98	2.75	90	MS	FR		
362.71	365.76	3.05	2.97	97	2.85	93	MS	FR		
365.76	368.81	3.05	2.98	98	2.06	68	MS	FR		
368.81	371.86	3.05	2.89	95	2.15	70	MS	FR		
371.86	374.90	3.04	3.02	99	2.43	80	MS	FR		
374.90	376.12	1.22	1.11	91	1.05	86	MS	FR		
376.12	377.95	1.83	1.83	100	1.75	96	MS	FR		
377.95	381.00	3.05	2.98	98	2.58	85	MS	FR		
381.00	384.05	3.05	3.01	99	1.85	61	MS	FR		
384.05	387.10	3.05	2.93	96	2.54	83	MS	FR		
387.10	390.14	3.04	2.99	98	2.43	80	MS	FR		
390.14	393.19	3.05	2.91	95	2.50	82	MS	FR		
393.19	396.24	3.05	3.04	100	2.93	96	MS	FR		
396.24	399.29	3.05	3.05	100	2.75	90	MS	FR		
399.29	402.34	3.05	3.02	99	2.50	82	MS	FR		
402.34	405.38	3.04	3.02	99	2.38	78	MS	FR		
405.38	408.43	3.05	3.00	98	2.90	95	MS	FR		
408.43	411.48	3.05	3.03	99	2.42	79	MS	FR		
411.48	414.53	3.05	3.05	100	2.48	81	MS	FR		
414.53	E.O.H.									

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-93

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	OVB		N/A	
2.00	OVB		N/A	
3.00	OVB		N/A	
4.00	LST		0.08	
5.00	LST		0.79	
6.00	LST		1.10	
7.00	LST		0.67	
8.00	LST		0.47	
9.00	LST		1.80	
10.00	LST		3.36	
11.00	LST		0.24	
12.00	LST		1.00	
13.00	LST		1.14	
14.00	LST		1.78	
15.00	LST	MBL	0.49	
16.00	LST	MBL	1.43	
17.00	LST	MBL	0.00	
18.00	LST	FOS	0.32	
19.00	LST	FOS	0.08	
20.00	LST	FOS	0.00	
21.00	LST	FOS	0.34	
22.00	LST	FOS	0.20	
23.00	LST	FOS	0.12	
24.00	LST	FOS	0.20	
25.00	LST	FOS	0.00	
26.00	LST	FOS	0.00	
27.00	LST	FOS	0.04	
28.00	LST	FOS	0.00	
29.00	LST	FOS	0.00	
30.00	LST	FOS	0.18	
31.00	LST	FOS	0.02	
32.00	LST	FOS	0.02	
33.00	LST	FOS	0.00	
34.00	LST	FOS	0.06	
35.00	LST	FOS	0.00	
36.00	LST	FOS	0.00	
37.00	LST	FOS	0.08	
38.00	LST	FOS	0.00	
39.00	LST	FOS	0.00	
40.00	LST	FOS	0.00	
41.00	LST	FOS	0.06	
42.00	LST	FOS	0.00	
43.00	LST	FOS	0.18	
44.00	LST	FOS	0.16	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	LST	FOS	0.00	
46.00	LST	FOS	0.04	
47.00	LST	FOS	0.47	
48.00	LST	FOS	0.00	
49.00	LST	FOS	0.08	
50.00	LST	FOS	0.16	
51.00	LST	FOS	0.14	
52.00	LST	FOS	0.20	
53.00	LST	FOS	0.18	
54.00	LST		0.02	
55.00	LST		0.00	
56.00	LST		0.00	
57.00	LST		0.00	
58.00	LST		0.02	
59.00	LST		0.02	
60.00	LST		0.00	
61.00	LST		0.08	
62.00	LST	FOS	0.00	
63.00	LST	FOS	0.00	
64.00	LST	FOS	0.00	
65.00	LST	FOS	0.04	
66.00	LST	FOS	0.02	
67.00	LST	FOS	0.00	
68.00	LST	FOS	0.00	
69.00	LST	FOS	0.00	
70.00	LST	FOS	0.00	
71.00	LST	FOS	0.00	
72.00	LST	FOS	0.00	
73.00	LST	FOS	0.00	
74.00	LST	FOS	0.00	
75.00	LST	FOS	0.08	
76.00	LST	FOS	0.00	
77.00	LST	FOS	0.00	
78.00	LST	FOS	0.14	
79.00	LST	FOS	0.00	
80.00	LST	FOS	0.04	
81.00	LST	FOS	0.00	
82.00	LST	FOS	0.00	
83.00	LST	FOS	0.02	
84.00	LST	FOS	0.14	
85.00	LST	FOS	0.00	
86.00	LST	FOS	0.00	
87.00	LST	FOS	0.14	
88.00	LST	FOS	0.00	
89.00	LST	FOS	0.02	
90.00	LST	FOS	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	LST	FOS	0.00	
92.00	LST	FOS	0.00	
93.00	LST	FOS	0.00	
94.00	LST	FOS	0.06	
95.00	LST	MBL	0.00	
96.00	LST	MBL	0.02	
97.00	LST	MBL	0.04	
98.00	LST	MBL	0.00	
99.00	LST	MBL	0.00	
100.00	LST	MBL	0.00	
101.00	LST	MBL	0.00	
102.00	LST	MBL	0.00	
103.00	LST	MBL	0.00	
104.00	LST	MBL	0.00	
105.00	LST	MBL	0.00	
106.00	LST	MBL	0.12	
107.00	LST	MBL	0.00	
108.00	LST	MBL	0.00	
109.00	LST	MBL	0.00	
110.00	LST	MBL	0.00	
111.00	LST	MBL	0.00	
112.00	LST	MBL	1.68	
113.00	LST	MBL	0.79	
114.00	LST	MBL	0.08	
115.00	LST	MBL	0.02	
116.00	LST	MBL	0.02	
117.00	LST	MBL	0.22	
118.00	LST	MBL	0.98	
119.00	LST	MBL	0.32	
120.00	LST	MBL	0.00	
121.00	LST	MBL	0.00	
122.00	LST	MBL	0.00	
123.00	LST	MBL	0.00	
124.00	LST	MBL	0.00	
125.00	LST	MBL	1.66	
126.00	LST	MBL	0.00	
127.00	LST	MBL	0.00	
128.00	LST	MBL	0.02	
129.00	LST	MBL	0.00	
130.00	LST	MBL	0.00	
131.00	LST		0.12	
132.00	LST		0.00	
133.00	LST		0.00	
134.00	LST		0.00	
135.00	LST		0.20	
136.00	LST		0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	LST		0.26	
138.00	LST		0.00	
139.00	LST		1.80	
140.00	LST		0.00	
141.00	LST		0.00	
142.00	LST		0.00	
143.00	LST		0.00	
144.00	LST		0.00	
145.00	LST		0.00	
146.00	LST		0.63	
147.00	LST		0.04	
148.00	LST		0.00	
149.00	LST		0.00	
150.00	LST		0.02	
151.00	LST		0.00	
152.00	LST		0.51	
153.00	LST		0.00	
154.00	LST		0.00	
155.00	LST		0.00	
156.00	LST		1.14	
157.00	LST		0.00	
158.00	LST		0.32	
159.00	LST		0.00	
160.00	LST		0.00	
161.00	LST		0.00	
162.00	LST		0.00	
163.00	LST		1.12	
164.00	LST		0.30	
165.00	LST		0.02	
166.00	LST	MBL	0.00	
167.00	LST	MBL	0.00	
168.00	LST	MBL	0.00	
169.00	LST	MBL	0.00	
170.00	LST	MBL	0.00	
171.00	LST	MBL	1.98	
172.00	LST	MBL	0.00	
173.00	LST	MBL	0.00	
174.00	LST	MBL	0.04	
175.00	LST	MBL	0.00	
176.00	LST	MBL	0.00	
177.00	LST	MBL	0.08	
178.00	LST	MBL	0.00	
179.00	LST	MBL	0.00	
180.00	LST	MBL	0.04	
181.00	LST	MBL	0.36	
182.00	LST	MBL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00	LST	MBL	1.41	
184.00	LST	MBL	0.00	
185.00	LST	MBL	0.06	
186.00	LST	MBL	0.16	
187.00	LST	MBL	0.06	
188.00	LST	MBL	0.10	
189.00	LST	MBL	0.00	
190.00	LST	MBL	0.02	
191.00	LST		0.00	
192.00	LST		0.04	
193.00	LST		0.12	
194.00	LST		0.00	
195.00	LST		0.00	
196.00	LST		0.92	
197.00	LST		0.04	
198.00	LST		0.00	
199.00	LST		0.00	
200.00	LST		0.00	
201.00	LST		0.00	
202.00	LST		0.32	
203.00	LST		0.00	
204.00	LST		0.06	
205.00	LST		0.00	
206.00	LST		0.00	
207.00	LST		0.00	
208.00	LST		1.76	
209.00	LST	MBL	0.77	
210.00	LST	MBL	0.00	
211.00	LST	MBL	0.00	
212.00	LST	MBL	0.00	
213.00	LST		1.64	
214.00	LST		0.00	
215.00	LST		0.04	
216.00	LST	MBL	0.00	
217.00	LST	MBL	0.16	
218.00	LST	MBL	0.63	
219.00	MBL		2.48	
220.00	MBL		3.97	
221.00	DOL	MX	0.32	
222.00	DOL	MX	6.37	
223.00	VOL		0.00	
224.00	VOL		0.00	
225.00	VOL		1.66	
226.00	VOL		0.47	
227.00	VOL		3.44	
228.00	VOL		2.31	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
229.00	VOL		0.84	
230.00	VOL		0.16	
231.00	VOL		0.77	
232.00	VOL		0.59	
233.00	VOL		0.41	
234.00	VOL		11.20	
235.00	VOL		0.28	
236.00	VOL		0.08	
237.00	VOL		4.51	
238.00	VOL		1.57	
239.00	LST	DOL	0.00	
240.00	LST	DOL	0.00	
241.00	LST	DOL	0.00	
242.00	LST	DOL	0.06	
243.00	LST	DOL	0.00	
244.00	LST	DOL	0.18	
245.00	LST	DOL	0.00	
246.00	LST	DOL	0.00	
247.00	LST	DOL	0.16	
248.00	LST	DOL	0.06	
249.00	LST	DOL	0.57	
250.00	LST	DOL	0.02	
251.00	LST	DOL	0.00	
252.00	LST	DOL	0.16	
253.00	LST	DOL	0.00	
254.00	LST	DOL	0.00	
255.00	LST	DOL	0.02	
256.00	LST	DOL	0.12	
257.00	LST	DOL	0.04	
258.00	LST	DOL	0.00	
259.00	LST	DOL	0.00	
260.00	LST	DOL	0.00	
261.00	LST	DOL	0.00	
262.00	LST	DOL	0.08	
263.00	LST	DOL	0.47	
264.00	LST	DOL	0.00	
265.00	LST	DOL	0.00	
266.00	LST	DOL	0.00	
267.00	LST	DOL	0.00	
268.00	LST	DOL	0.00	
269.00	LST	DOL	0.00	
270.00	LST	DOL	0.00	
271.00	LST	DOL	0.00	
272.00	LST	DOL	0.00	
273.00	LST	DOL	0.00	
274.00	LST	DOL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
275.00	LST	DOL	0.06	
276.00	LST	DOL	0.00	
277.00	LST	DOL	0.00	
278.00	LST	DOL	0.00	
279.00	LST	DOL	0.08	
280.00	LST	DOL	0.00	
281.00	LST	DOL	0.00	
282.00	LST	DOL	0.02	
283.00	LST	DOL	0.00	
284.00	LST	DOL	0.00	
285.00	LST	DOL	0.00	
286.00	LST	DOL	0.00	
287.00	LST	DOL	0.32	
288.00	LST	DOL	0.00	
289.00	LST	DOL	0.00	
290.00	LST	DOL	0.00	
291.00	LST	DOL	0.12	
292.00	LST	DOL	0.00	
293.00	LST	DOL	0.02	
294.00	LST	DOL	0.02	
295.00	LST	DOL	0.00	
296.00	LST	DOL	0.00	
297.00	LST	DOL	0.00	
298.00	LST	DOL	0.00	
299.00	LST	DOL	0.00	
300.00	LST	DOL	0.00	
301.00	LST	DOL	0.00	
302.00	LST	DOL	0.00	
303.00	LST	DOL	0.02	
304.00	LST	DOL	0.00	
305.00	LST	DOL	0.02	
306.00	LST	DOL	0.00	
307.00	LST	DOL	0.00	
308.00	LST	DOL	0.06	
309.00	LST	DOL	0.00	
310.00	LST	DOL	0.00	
311.00	LST	DOL	0.00	
312.00	LST	DOL	0.00	
313.00	LST	DOL	0.04	
314.00	LST	DOL	0.00	
315.00	LST	DOL	0.00	
316.00	LST	DOL	0.53	
317.00	LST	DOL	0.00	
318.00	LST	DOL	0.00	
319.00	LST	DOL	0.00	
320.00	LST	DOL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
321.00	LST	DOL	0.00	
322.00	LST	DOL	0.00	
323.00	LST	DOL	0.00	
324.00	LST	DOL	0.00	
325.00	LST	DOL	0.04	
326.00	LST	DOL	0.00	
327.00	LST	DOL	0.00	
328.00	LST	DOL	0.00	
329.00	LST	DOL	0.10	
330.00	LST	DOL	0.00	
331.00	LST	DOL	0.00	
332.00	LST	DOL	0.00	
333.00	LST	DOL	0.00	
334.00	LST	DOL	0.00	
335.00	LST	DOL	0.28	
336.00	LST	DOL	0.06	
337.00	LST	DOL	0.00	
338.00	LST	DOL	0.00	
339.00	LST	DOL	0.00	
340.00	LST	DOL	0.00	
341.00	LST	DOL	0.00	
342.00	LST	DOL	0.00	
343.00	LST	DOL	0.00	
344.00	LST	DOL	0.00	
345.00	LST	DOL	0.00	
346.00	LST	DOL	0.30	
347.00	LST	DOL	0.04	
348.00	LST	DOL	0.00	
349.00	LST	DOL	0.00	
350.00	LST	DOL	0.12	
351.00	LST	DOL	0.00	
352.00	VOL		0.69	
353.00	VOL		0.82	
354.00	VOL		8.11	
355.00	VOL		4.89	
356.00	VOL		37.00	
357.00	VOL		24.20	
358.00	VOL		1.82	
359.00	VOL		3.17	
360.00	VOL		20.80	
361.00	VOL		0.65	
362.00	VOL		38.90	
363.00	VOL		35.40	
364.00	VOL		0.00	
365.00	VOL		0.00	
366.00	VOL		1.23	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
367.00	VOL		42.00	
368.00	VOL		0.14	
369.00	VOL		0.28	
370.00	DOL	MX	3.05	
371.00	DOL	MX	0.41	
372.00	DOL	MX	0.38	
373.00	DOL	MX	1.14	
374.00	DOL	MX	0.14	
375.00	LST	DOL	0.88	
376.00	LST	DOL	0.84	
377.00	LST	DOL	0.10	
378.00	LST	DOL	0.08	
379.00	LST	DOL	0.16	
380.00	LST	DOL	0.08	
381.00	LST	DOL	0.08	
382.00	LST	DOL	0.00	
383.00	LST	DOL	0.02	
384.00	DOL	MX	0.24	
385.00	DOL	MX	0.00	
386.00	DOL	MX	0.14	
387.00	DOL	MX	0.10	
388.00	LST	DOL	0.00	
389.00	LST	DOL	0.10	
390.00	LST	DOL	0.55	
391.00	LST	DOL	0.00	
392.00	LST	DOL	0.00	
393.00	LST	DOL	0.04	
394.00	LST	DOL	0.67	
395.00	LST	DOL	0.61	
396.00	LST	DOL	0.06	
397.00	LST	DOL	0.06	
398.00	LST	DOL	0.00	
399.00	LST	DOL	0.00	
400.00	LST	DOL	0.00	
401.00	LST	DOL	0.00	
402.00	LST	DOL	0.08	
403.00	LST	DOL	0.00	
404.00	LST	DOL	0.00	
405.00	LST	DOL	0.04	
406.00	LST	DOL	0.04	
407.00	LST	DOL	0.06	
408.00	LST	DOL	0.04	
409.00	LST	DOL	0.02	
410.00	LST	DOL	0.00	
411.00	LST	DOL	0.02	
412.00	LST	DOL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
413.00	LST	DOL	0.04	
414.00	LST	DOL	0.00	

DENSITY LOG

HOLE: Rau-10-93

Depth (m)	Unit	Modifier	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
			Py %	As %	Other	%							
17.18	LST	MBL					Foliated	14.7	4.2	555.3	351.3	2.78	2.72
31.27	LST						Strong Deformation	15.0	4.2	560.2	352.2	2.75	2.69
49.55	LST	FOS						14.9	4.2	561.8	356.0	2.78	2.73
58.12	LST						Mosaic Dissolution Texture	14.2	4.2	549.7	354.4	2.85	2.81
154.39	LST	FOS						15.0	4.2	561.2	351.0	2.75	2.67
191.10	LST	FOS					FO	14.3	4.2	532.6	353.3	2.74	2.97
220.38	DOL	MX	f	t	Po	w	FO	15.0	4.2	688.9	477.7	3.38	3.26
154.39	LST	FOS						15.0	4.2	561.2	351.0	2.75	2.67
319.77	LST	DOL						15.0	4.2	586.4	378.8	2.88	2.82
342.32	LST	DOL	f					15.2	4.2	660.4	449.3	3.20	3.13
354.44	VOL	SIL	m					15.1	4.2	632.1	418.0	3.08	2.95
357.26	QZ	VN	w		Po	w		14.9	4.2	552.3	344.9	2.73	2.66
372.00	DOL	MX	i					14.7	4.2	656.2	454.0	3.29	3.25
377.79	LST	DOL					Bx Texture	15.1	4.2	593.4	385.7	2.89	2.86
354.09	DOL	MX	s					15.2	4.2	673.2	462.8	3.26	3.20
412.70	VOL	FG						15.1	4.2	580.0	372.6	2.83	2.80

BOX LOG

HOLE: Rau-10-93

BOX	FROM (m)	TO (m)
1	3.90	8.00
2	8.00	13.52
3	13.52	18.95
4	18.95	24.58
5	24.58	30.16
6	30.16	35.78
7	35.78	41.32
8	41.32	47.00
9	47.00	52.53
10	52.53	58.12
11	58.12	63.57
12	63.57	69.57
13	69.57	74.82
14	74.82	80.36
15	80.36	85.05
16	85.05	91.53
17	91.53	97.12
18	97.12	102.70
19	102.70	108.20
20	108.20	113.83
21	113.83	119.27
22	119.27	124.78
23	124.78	130.40
24	130.40	136.02
25	136.02	141.65
26	141.65	147.11
27	147.11	152.70
28	152.70	158.04
29	158.04	163.77
30	163.77	169.34
31	169.34	175.02
32	175.02	180.40
33	180.40	185.92
34	185.92	191.58
35	191.58	197.12
36	197.12	202.69
37	202.69	208.38
38	208.38	213.95
39	213.95	219.68
40	219.68	225.22
41	225.22	230.66
42	230.66	236.25
43	236.25	241.99
44	241.99	247.31
45	247.31	252.98
46	252.98	258.64
47	258.64	263.93
48	263.93	269.38
49	269.38	274.99
50	274.99	280.67
51	280.67	286.24
52	286.24	291.73
53	291.73	297.18
54	297.18	302.77
55	302.77	308.15
56	308.15	313.59
57	313.57	318.84
58	318.84	324.61
59	324.61	330.22
60	330.22	335.85
61	335.85	341.38
62	341.38	347.02
63	347.02	352.60
64	352.60	358.18
65	358.18	363.63
66	363.63	369.06
67	369.06	374.80
68	374.80	380.32
69	380.32	385.90
70	385.90	391.50
71	391.50	397.04
72	397.04	402.55
73	402.55	408.20
74	408.2	413.67
75	413.67	414.53
414.53 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
10+094NE	10+200NW	528431	7119258	1303	91.59

ZONE: Oxide

SECTION: 10+200NW

HOLE: **Rau-10-94**

CLAIM: Rau 98f

Contractor: Superior

Drill: 2

Core size: PQ

Casing depth: 1.54 m out

Drilling dates: July 4 - 9, 2010

Geology logged by: K. Wynne

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-61.0	compass				

TARGET: Oxide Zone

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	3.20	3.20	OVB	
3.20	12.02	8.82	LST	altered light brown
12.02	89.31	77.29	OX	medium orange-brown
89.31	91.59	2.28	DOL	intensely oxidized.
91.59	E.O.H,			

SAMPLES

Numbers: I076027-I076087

Total: 61

Batch: 43, 44, 45

Date Sent: July 19, 2010

Certificate: VA10098844, VA10098846

COMMENTS

The hole was ended because it was through the main oxide mineralization. The hole was then lined wih PVC for a later downhole gravity survey. All samples were sent for MET sampling.

GEOLOGY LOG

HOLE: Rau-10-94

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	3.20	3.20				OVB			Overburden - no recovery																		
3.20	12.02	8.82				LST	OX	RBL	Light to dark grey, altered light brown, rubbly, LST.					w		w											
			3.20	6.50	3.30	LST	DOL	RBL	Light to dark grey, FG, rubbly LST with weak to moderate DOL alteration. DOL spots ~ 1 cm thick with irregular and angular thin black styolites that form enclosed areas . Other zones have FG to MG white Ca spotting. Very poor recovery. Notably unoxidizeded.					f													
			6.50	12.02	5.52	LST	OX		Medium grey altered light brown, rubbly LST with Ca and Qz/Ca veins forming local cBX textures. CG Ca is preferentially cut by dark brown stringers along crystallographic surfaces. Alteration is clay to grit, mostly silt, which covers broken surfaces and pervasively alters core.							ms											x
12.02	89.31	77.29				OX			Medium orange-brown clay to solid core, predominantly grit. SID rich patches and zones occur with intervals of blue to green-grey Qz rich clay rubble, and other Qz rich zones.							i	ms										
			12.02	14.00	1.98	OX			Dark orange-brown oxide with dark red brown patches and a texture ranging from clay to solid core pieces. Unaltered sections of CG DOL also occur and are seen with cross cutting Ca veins. The texture of the interval is predominantly grit.							i	ms										
			14.00	16.22	2.22	Qz			Dark green-grey clay to rubble, predominantly gritty oxide with a milky white and light orange Qz rich interval (~15%). Quartz occurs as FG sand to pebbles ~ 2 cm in diameter, with a single Qz core piece ~ 6 cm long. Some sand to pebble sized rounded LST clasts occur. The lower contact is very gradational.	ICN																	
			16.22	17.68	1.46	OX			Dark green-grey to dark orange-brown oxide with a smeared outer surface, and sideritic black shiny inside. It is clay to rubble in texture with zones that hold core shape but easily crumble, predominantly grit. Trace Qz grit occurs within.							i	i										
			17.68	18.14	0.46	OX	Qz		Medium brown clay to rubble fragments up to 4 cm in long. Qz rubble represents approximately 20% of the interval and occurs in fragments up to 2 cm in diameter.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			18.14	18.54	0.40	OX	Qz		Oxide with a dark brown outer surface and a blue grey inside. The overall texture is clay to grit with minor rubble scattered throughout.																			
			18.54	29.31	10.77	OX			Medium orange-brown clay to solid core oxide (predominantly in intensely SID altered zones). Zones with bright orange-brown colour and dark brown SID patches occur throughout but still have a medium orange-brown smear on the cored surface.							i	s										
			25.60	25.90	0.30	OX	Qz		An interval that is up to ~35% Qz, with Qz fragments up to 1 cm in diameter.							i	s										
			26.82	27.30	0.48	OX	Qz		Light to medium orange-brown clay to grit oxide with Qz rubble up to 1.5 cm diameter representing approximately 5% of the interval.							i											
			28.86	29.01	0.15	OX	Qz		Medium orange oxide with black SID alteration. Qz represents approximately 90% of interval as broken but in-place pieces.							i											
			29.01	30.29	1.28	OX			Light yellow-orange-brown oxide with dark red brown patches. The texture is clay to SID rich rubble. Qz rich fragments up to 3 cm represent approximately 10% of the interval.							i	s										
			30.29	31.00	0.71	OX			Medium brown clay to rubble oxide (predominantly clay) light grey up to 1.5cm in diameter occur scattered throughout. Overall the core is non-cohesive.							s											
			31.00	36.35	5.35	OX			Oxide with a medium brown to orange-brown surface and orange-brown and dark brown to black patches inside. Clay to SID rubble in composition. Qz rich patches and layers <5 cm thick occur scattered throughout.							i	i										
			32.75						Blue grey clay to grit inside core.																		
			36.35	38.05	1.70	OX			Orange brown oxide surface, with increased SID on broken surfaces. It has a clay to RBL but predominantly grit texture. A small Qz zone ~ 4 cm thick occurs at 36.96 m.							i	i										
			38.05	45.86	7.81	OX			Medium brown to orange-brown clay to solid core oxide with Qz rich zones throughout and including pieces up to 5 cm in diameter. Light yellow or grey patches is commonly associated with a platy light yellow reflective mineral (Mica or SER). The lCN is particularly Qz rich. The oxide begins to fizz weakly at 42.06 m.							i	i										
			43.54	43.74	0.20	OX	QZ		Medium brown clay rich oxide with Qz fragments up to 1 cm in diameter. A platy white mineral (mica?) occurs scattered throughout.							i											

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			45.86	48.28	2.42	OX			Orange-brown to medium brown clay to rubbly oxide, predominantly grit. Orange-brown and dark brown patches occur with trace Qz scattered throughout. The entire interval fizzes weakly with acid.							i	i										
			48.28	48.59	0.31	OX	LST		Dark red-grey FG to MG (LST?) crystals, with Qz veins and dark red to black oxide. The unit fizzes strongly with acid.							s	s										
			48.59	51.65	3.06	OX			Medium brown to orange-brown clay to rubble oxide predominantly grit. Orange-brown and dark brown patches occur with rubbly to cohesive core texture.							i	i										
			49.58	49.88	0.30				Qz rich zone containing 25% up to 1 cm fragments of quartz.																		
			51.65	52.98	1.33	LST	DOL	RBL	Light orange and light pink-grey, relatively unoxidized , intensely DOL/ANK altered LST. Overall the texture is core to rubble, with veins and blebs of Quartz throughout. Strongly oxidized mineralization (Py?) occurs as stringers and disseminated throughout.	FO	35			l	ms	s	s	HEM	ms								
									Irregular Qz VN that narrows to 0.5 cm and thickens to over 15 cm.	VN	50	340														
			52.98	53.76	0.78	OX			Medium orange-brown clay to rubble oxide that is, predominantly grit. The centre of the core is dark brown with orange-brown patches.							i	i										
			53.76	54.62	0.86	LST	OX		Medium grey to orange brown, MG, moderately oxidized LST. The competency ranges from core fragments to clay, and is predominantly rubble. Qz rubble up to 3 cm in diameter occurs scattered throughout. The interval fizzes intensely with acid.							ms	m										
			54.62	56.32	1.70	OX			orange-brown with dark brown patches and zones. Clay to rubble, predominantly grit. Cohesive core SID altered.							i	i										
			56.32	56.95	0.63	LST	OX		Grey-brown clay to core oxide that is, predominantly rubble. Fizzes strongly with acid, and contains remnant cBX texture. ICN is gradational.	ICN						m											
			56.95	59.74	2.79	OX			Medium brown to orange-brown, clay to rubble oxide that is, predominantly grit. Fizzes moderately with HCl. Light yellow, medium orange, and dark brown to black patches occur throughout.							i	i										

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			59.74	61.96	2.22	OX	LST		Medium brown, with light grey and white coloured strongly oxidized LST with white, and pink relatively unaltered patches throughout. The interval fizzes fairly with acid and contains patches and zones of orange brown and black alteration throughout. A gradational zone occurs between intensely and weakly OX intervals.					ms		s	s										
			61.96	64.12	2.16	LST	DOL		Medium grey, FG LST, with medium brown alteration patches along veinlets and on fractures. The entire interval fizzes fairly with acid. MG Ca as forms local mosaic brecciation. Trace As is visible along with oxidized spots that were likely original As grains.							f				t							
			64.12	65.33	1.21	OX			Orange-brown weakly calcareous clay to rubble oxide.							i	f									
			65.33	65.85	0.52	LST	OX		Green grey, clay to solid core oxide with white Ca veinlet that cut at irregular orientations. The interval fizzes strongly with acid.							m										
			65.85	66.45	0.60	OX			Orange brown oxide with black sheen on inside of core. Clay to core competency, but predominantly rubble. Non-calcareous.							s	i									
			66.45	68.59	2.14	OX	LST		Medium brown-grey altered weakly DOL altered LST. Competency is mainly core that is easily broken into rubble. SID coats broken surfaces. Unaltered surfaces show irregular Ca veining.					f		s	w									
			68.59	74.07	5.48	OX			Medium brown to medium orange-brown, clay to solid core oxide that is predominantly silt. Non-calcareous with some Qz rubble <1 cm scattered throughout. SID alteration occurs locally, near solid core pieces and in patches.							i	f									
			74.07	80.16	6.09	OX	SID		Bright orange-brown core surface with dark brown to black core centres. It is intensely SID altered and ranges from clay to solid core, but predominantly rubbly texture. Subangular Qz rubble up to 5 cm in diameter occur throughout. Rubble and core have large vacancies, and a corroded appearance.							s	i									
			80.16	80.42	0.26				Blue-grey clay to rubble oxide that is predominantly silt. Subrounded rubble up to 3 cm is common. Trace Qz occurs, but not as much as usually associated with blue grey colour. The lCN is gradational.																	
			80.44	86.66	6.22	OX			Oxide with a bright orange-brown core surface and red brown to black core centres. Competence ranges from clay to rubble, predominantly rubble and core which is easily broken to rubble.							i	i									

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								
																		Other						Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	Photo
			86.66	87.58	0.92	OX			Medium brown clay to rubble with whole core up to 2 cm long. Rubble up to 4 cm in diameter including Qz rubble and LST rubble, from reaming rods occurs. The lCN is gradational with increased pink hue SID alteration, and trace fizz over last 10 cm.							i	t										
			87.58	89.31	1.73	OX			Pink-brown to light yellow, mainly core with commonly planar rubble. Clay occurs in small intervals ~3 cm long, as well as coating surfaces. Dark brown/black SID alteration occurs on fractures. The entire interval fizzes weakly with acid.							i	t										
89.31	91.59	2.28	89.31	91.59	2.28	OX	DOL		Orange-brown to buff, core to rubble oxidizec dolomite with SID alteration of FX. Dark brown seams locally occur, up to very high density, forming cBX texture.							i	s										
									91.59 m - E.O.H. The hole was ended because there was high torque on the rods, and was also past the main oxide zone.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau - 10 - 94

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
7.01	10.06	3.05	LST	OX	1.20	39	I076027	43	0.12	2.77	2130	8.87	
10.06	12.02	1.96	LST	OX	0.89	45	I076028	43	0.19	1.52	3710	17.20	
12.02	13.11	1.09	OX		0.33	30	I076029	43	1.60				
13.11	14.63	1.52	OX		0.56	37	I076030	43	3.80				
14.63	16.15	1.52	OX		0.90	59	I076031	43	17.10				
16.15	17.68	1.53	OX		1.39	91	I076032	43	43.60				
17.68	19.20	1.52	OX		1.38	91	I076033	43	12.90				
19.20	20.73	1.53	OX		1.28	84	I076034	43	15.80				
20.73	22.25	1.52	OX		1.44	95	I076035	43	24.25				
22.25	23.77	1.52	OX		1.14	75	I076037	43	9.01				
23.77	25.30	1.53	OX		0.66	43	I076038	43	14.55				
25.30	26.82	1.52	OX		0.64	42	I076039	43	8.79				
26.82	28.35	1.53	OX		1.42	93	I076040	43	6.93				
28.35	29.87	1.52	OX		1.34	88	I076041	43	2.29				
29.87	31.39	1.52	OX		0.92	61	I076042	43	1.46				
31.39	32.92	1.53	OX		1.27	83	I076043	43	3.72				
32.92	35.96	3.04	OX		0.99	33	I076044	43	16.50				
35.96	37.49	1.53	OX		1.19	78	I076045	43	14.70				
37.49	39.01	1.52	OX		1.42	93	I076046	43	1.16				
39.01	40.54	1.53	OX		1.51	99	I076048	43	1.11				
40.54	42.06	1.52	OX		1.29	85	I076049	44	1.63				
42.06	43.59	1.53	OX		1.01	66	I076050	44	1.75				
43.59	45.11	1.52	OX		1.40	92	I076051	44	1.61				
45.11	46.63	1.52	OX		0.96	63	I076052	44	4.79				
46.63	48.15	1.52	OX		1.52	100	I076053	44	1.59				
48.15	49.68	1.53	OX		1.47	96	I076054	44	1.01				
49.68	51.21	1.53	OX		1.17	76	I076055	44	6.00				
51.21	52.73	1.52	OX		1.42	93	I076056	44	0.37				
52.73	54.25	1.52	OX		1.28	84	I076058	44	4.63				
54.25	55.78	1.53	OX		1.40	92	I076059	44	2.75				
55.78	57.30	1.52	OX		1.42	93	I076060	44	1.24				
57.30	58.83	1.53	OX		1.47	96	I076061	44	1.31				

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
58.83	60.35	1.52	OX		1.37	90	I076063	44	3.02				
60.35	61.96	1.61	OX		1.47	91	I076065	44	0.25				
61.96	63.00	1.04	LST	OX	1.04	100	I076066	44	0.20				
63.00	64.12	1.12	OX		1.02	91	I076067	44	0.57				
64.12	66.45	2.33	OX		2.16	93	I076069	44	0.88				
66.45	68.59	2.14	OX	LST	1.85	86	I076070	44	0.19				
68.59	71.02	2.43	OX		2.06	85	I076071	44	2.51				
71.02	72.54	1.52	OX		1.45	95	I076072	44	2.30				
72.54	74.07	1.53	OX		1.04	68	I076073	44	1.70				
74.07	75.59	1.52	OX		0.86	57	I076074	44	2.50				
75.59	77.11	1.52	OX		0.95	63	I076075	44	1.69				
77.11	78.72	1.61	OX		1.26	78	I076076	44	1.20				
78.72	80.16	1.44	OX		0.93	64	I076077	44	1.84				
80.16	81.69	1.53	OX		1.00	65	I076079	44	4.75				
81.69	83.21	1.52	OX		1.16	76	I076080	44	3.14				
83.21	84.73	1.52	OX		1.31	86	I076081	44	2.09				
84.73	86.26	1.53	OX		1.47	96	I076082	44	0.62				
86.26	87.78	1.52	OX		1.52	100	I076083	44	1.66				
87.78	89.31	1.53	OX		0.85	56	I076084	44	0.14				
89.31	90.83	1.52	DOL	OX	0.87	57	I076085	45	0.18				
90.83	91.59	0.76	DOL	OX	0.52	68	I076086	45	0.14				
													QA/QC samples never assayed.
-	-	-	-	-	-	-	I076036	43					Blank (PQ)
-	-	-	-	-	-	-	I076047	43					Standard ROS-1
-	-	-	-	-	-	-	I076057	44					Standard ROS-4
-	-	-	-	-	-	-	I076062	44					Blank (PQ)
-	-	-	-	-	-	-	I076064	44					Standard ROS-1
63.00	64.12	1.12	OX		1.02	91	I076068	44					Duplicate
-	-	-	-	-	-	-	I076078	44					Blank (PQ)

GEOTECHNICAL LOG

HOLE: Rau-10-94

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
3.96	5.49	1.53	0.36	24	0	0	MS	SW		
5.49	7.01	1.52	0.80	53	0.00	0	W	SW		
7.01	8.53	1.52	0.31	20	0.00	0	W	HW		
8.53	10.06	1.53	0.89	58	0.26	17	MS	HW		
10.06	11.58	1.52	0.83	55	0.19	13	W	HW		
11.58	13.11	1.53	0.59	39	0.00	0	EW	EW	5YR4/4	OXIDE
13.11	14.63	1.52	0.56	37	0.00	0	EW	EW	5YR4/4	OXIDE
14.63	16.15	1.52	0.90	59	0.00	0	EW	EW	5Y4/2	OXIDE
16.15	17.68	1.53	1.39	91	0.00	0	EW	EW	2.5Y4/2	OXIDE
17.68	19.20	1.52	1.38	91	0.00	0	EW	EW	2.5Y4/3	OXIDE
19.20	20.73	1.53	1.28	84	0.00	0	EW	EW	10YR4/6	OXIDE
20.73	22.25	1.52	1.44	95	0.00	0	EW	EW	7.5YR4/6	OXIDE
22.25	23.77	1.52	1.14	75	0.00	0	EW	EW	7.5YR4/6	OXIDE
23.77	25.30	1.53	0.66	43	0.00	0	EW	EW	7.5YR4/6	OXIDE
25.30	26.82	1.52	0.64	42	0.00	0	EW	EW	7.5YR4/6	OXIDE
26.82	28.35	1.53	1.42	93	0.00	0	EW	EW	7.5YR4/6	OXIDE
28.35	29.87	1.52	1.34	88	0.00	0	EW	EW	5YR4/6	OXIDE
29.87	31.39	1.52	0.92	61	0.00	0	EW	EW	7.5YR4/4	OXIDE
31.39	32.92	1.53	1.27	83	0.00	0	EW	EW	7.5YR4/4	OXIDE
32.92	34.44	1.52	0.63	41	0.00	0	EW	EW	7.5YR5/4	OXIDE
34.44	35.96	1.52	0.99	65	0.00	0	EW	EW	7.5YR5/4	OXIDE
35.96	37.49	1.53	1.19	78	0.00	0	EW	EW	10YR5/6 AND	OXIDE
37.49	39.01	1.52	1.42	93	0.00	0	EW	EW	10YR6/6	OXIDE
39.01	40.54	1.53	1.51	99	0.00	0	EW	EW	10YR5/6	OXIDE
40.54	42.06	1.52	1.29	85	0.00	0	EW	EW	7.5YR5/6	OXIDE
42.06	43.59	1.53	1.01	66	0.00	0	EW	EW	10YR5/4	OXIDE
43.59	45.11	1.52	1.40	92	0.00	0	EW	EW	2.5Y5/4 AND	OXIDE
45.11	46.63	1.52	0.96	63	0.00	0	EW	EW	10YR4/4	OXIDE
46.63	48.15	1.52	1.52	100	0.00	0	EW	EW	10YR4/6	OXIDE
48.15	49.68	1.53	1.47	96	0.27	18	W	EW	7.5YR4/6	OXIDE and competent oxidized rock
49.68	51.21	1.53	1.17	76	0.00	0	EW	EW	10YR5/3	OXIDE
51.21	52.73	1.52	1.42	93	0.29	19	W	EW	7.5YR5/6	OXIDE and competent oxidized rock
52.73	54.25	1.52	1.28	84	0.20	13	W	EW	7.5YR4/6	OXIDE
54.25	55.78	1.53	1.40	92	0.00	0	EW	EW	7.5YR5/4	OXIDE
55.78	57.30	1.52	1.42	93	0.00	0	EW	EW	7.5YR5/4 ANI	OXIDE
57.30	58.83	1.53	1.47	96	0.00	0	EW	EW	5YR4/4	OXIDE
58.83	60.35	1.52	1.37	90	0.00	0	EW	EW	7.5YR5/4	OXIDE
60.35	61.87	1.52	1.41	93	0.69	45	W	HW	10YR5/3	OXIDE
61.87	63.40	1.53	1.53	100	1.46	95	MS	MW		
63.40	64.92	1.52	1.42	93	0.38	25	W	HW		
64.92	66.45	1.53	1.53	100	0.64	42	W	HW	5YR4/4	.
66.45	67.97	1.52	1.39	91	0.16	11	EW	EW	5Y6/3	OXIDE
67.97	69.49	1.52	1.44	95	0.00	0	EW	EW	10YR5/4 AND	OXIDE
69.49	71.02	1.53	1.29	84	0.00	0	EW	EW	7.5YR4/3	OXIDE
71.02	72.54	1.52	1.45	95	0.00	0	EW	EW	5YR 4/6	OXIDE
72.54	74.07	1.53	1.04	68	0.00	0	EW	EW	5YR 4/6	OXIDE
74.07	75.59	1.52	0.86	57	0.00	0	EW	EW	5YR 4/6	OXIDE
75.59	77.11	1.52	0.95	63	0.00	0	EW	EW	7.5YR 4/3	OXIDE
77.11	78.64	1.53	1.26	82	0.35	23	W	HW	10YR5/8	OXIDE
78.64	80.16	1.52	0.93	61	0.20	13	W	HW	10YR 5/8	OXIDE
80.16	81.69	1.53	1.00	65	0.00	0	EW	EW	2.5Y 4/2	OXIDE

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
81.69	83.21	1.52	1.16	76	0.00	0	EW	EW	5YR 4/6	OXIDE
83.21	84.73	1.52	1.31	86	0.00	0	EW	EW	5YR 4/6	OXIDE
84.73	86.20	1.47	1.47	100	0.00	0	EW	EW	7.5YR 5/8	OXIDE
86.26	87.78	1.52	1.52	100	0.00	0	EW	EW	7.5YR 4/6	OXIDE
87.78	89.31	1.53	0.85	56	0.00	0	EW	EW	5YR 5/8	OXIDE
89.31	90.83	1.52	0.87	57	0.00	0	EW	EW	7.5YR 5/8	OXIDE
90.83	91.59	0.76	0.52	68	0.00	0	W	HW		
91.59	E.O.H.									

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-94

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00			N/A	
2.00			N/A	
3.00			N/A	
4.00	LST	DOL	0.00	
5.00	LST	DOL	0.00	
6.00	LST	DOL	0.20	
7.00	LST	OX	0.00	
8.00	LST	OX	0.00	
9.00	LST	OX	0.00	
10.00	LST	OX	0.00	
11.00	LST	OX	0.05	
12.00	LST	OX	0.08	
13.00	OX		0.08	
14.00	OX		0.57	
15.00	Qz		0.22	
16.00	Qz		0.31	
17.00	OX		0.02	
18.00	OX	Qz	0.10	
19.00	OX		0.11	
20.00	OX		0.31	
21.00	OX		0.28	
22.00	OX		0.29	
23.00	OX		0.48	
24.00	OX		0.13	
25.00	OX		0.34	
26.00	OX		0.38	
27.00	OX		1.65	
28.00	OX		1.05	
29.00	OX		0.29	
30.00	OX		1.00	
31.00	OX		1.58	
32.00	OX		0.25	
33.00	OX		0.37	
34.00	OX		0.41	
35.00	OX		0.20	
36.00	OX		0.28	
37.00	OX		0.17	
38.00	OX		0.13	
39.00	OX		0.16	
40.00	OX		0.38	
41.00	OX		0.16	
42.00	OX		0.35	
43.00	OX		0.25	
44.00	OX		0.28	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	OX		0.17	
46.00	OX		0.51	
47.00	OX		0.37	
48.00	OX		0.19	
49.00	OX		1.15	
50.00	OX		0.16	
51.00	OX		0.35	
52.00	LST	DOL	0.10	
53.00	OX		0.16	
54.00	OX		0.13	
55.00	OX		1.21	
56.00	OX		0.26	
57.00	OX		0.05	
58.00	OX		0.31	
59.00	OX		0.01	
60.00	LST	DOL	0.08	
61.00	LST	DOL	0.01	
62.00	LST	DOL	0.08	
63.00	LST	DOL	0.04	
64.00	LST	DOL	0.00	
65.00	OX		0.17	
66.00	OX		0.28	
67.00	OX	LST	0.00	
68.00	OX	LST	0.07	
69.00	OX		0.05	
70.00	OX		0.44	
71.00	OX		0.13	
72.00	OX		0.20	
73.00	OX		0.39	
74.00	OX		0.26	
75.00	OX	SID	0.39	
76.00	OX	SID	0.71	
77.00	OX	SID	0.69	
78.00	OX	SID	0.19	
79.00	OX	SID	0.91	
80.00	OX	SID	0.74	
81.00	OX		0.23	
82.00	OX		0.22	
83.00	OX		0.28	
84.00	OX		0.48	
85.00	OX		0.37	
86.00	OX		0.47	
87.00	OX		11.90	
88.00	OX		0.00	
89.00	OX		0.00	
90.00	OX	DOL	0.22	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	OX	DOL	0.00	

DENSITY LOG

HOLE: Rau-10-94

Depth (m)	Unit	Modifier	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
			Py %	As %	Other	%							
65.15	OX							18.0	8.5	1834.7		1.81	1.00
71.40	OX							11.4	8.5	1355.3		2.11	1.00
77.37	OX							17.0	8.5	2735.2		2.86	1.00
79.05	OX							18.5	8.5	3049.7		2.93	1.00

HOLE: Rau-10-94

Box #	Diameter (cm)	From (m)	To (m)	Unit	Modifier	Recovery	Weight	Density	Comments
3	8.5	13.22	17.20	OX		2.19	61.5	2.27	
4	8.5	17.20	19.85	OX		2.23	70.5	2.55	
5	8.5	19.85	22.25	OX		2.14	64.5	2.43	
6	8.5	22.25	26.62	OX		2.28	69.5	2.46	
7	8.5	26.62	29.02	OX		2.49	66.5	2.15	
8	8.5	29.02	32.09	OX		2.10	59.5	2.29	
9	8.5	32.09	35.96	OX		2.09	60.5	2.34	
10	8.5	35.96	38.77	OX		2.62	66.5	2.05	
11	8.5	38.77	41.14	OX		2.33	65.5	2.27	
12	8.5	41.14	44.22	OX		2.57	68.5	2.15	
13	8.5	44.22	47.30	OX		2.45	63.5	2.09	
14	8.5	47.30	49.68	OX		2.30	65.5	2.30	
16	8.5	52.53	54.65	OX		2.18	58.5	2.16	
17	8.5	54.65	57.19	OX		2.51	66.5	2.14	
18	8.5	57.19	59.64	OX		2.24	59.5	2.14	
22	8.5	67.17	69.89	OX		2.54	73.5	2.33	
23	8.5	69.89	72.54	OX		2.42	69.5	2.32	
24	8.5	72.54	76.16	OX		2.30	68.5	2.40	
25	8.5	76.16	79.26	OX		2.29	79.5	2.80	
26	8.5	79.26	82.37	OX		2.24	71.5	2.58	
27	8.5	82.37	85.53	OX		2.54	66.5	2.11	
28	8.5	85.53	87.58	OX		2.21	62.5	2.28	
29	8.5	87.58	90.83	DOL	OX	1.99	58.5	2.37	
30	8.5	90.83	91.59	DOL	OX	0.62	7.5	0.98	

BOX LOG

HOLE: Rau-10-94

BOX	FROM (m)	TO (m)
1	3.20	9.15
2	9.15	13.22
3	13.22	17.20
4	17.20	19.85
5	19.85	22.25
6	22.25	26.62
7	26.62	29.02
8	29.02	32.09
9	32.09	35.96
10	35.96	38.77
11	38.77	41.14
12	41.14	44.22
13	44.22	47.30
14	47.30	49.68
15	49.68	52.53
16	52.53	54.65
17	54.65	57.19
18	57.19	59.64
19	59.64	62.30
20	62.30	64.92
21	64.92	67.17
22	67.17	69.89
23	69.89	72.54
24	72.54	76.16
25	76.16	79.26
26	79.26	82.37
27	82.37	85.53
28	85.53	87.58
29	87.58	90.83
30	90.83	91.57
91.57 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
09+750NW	10+170NE	528782	7118966	1395	240.79

ZONE: East

SECTION: 09+750NW

HOLE: **Rau-10-95**

CLAIM: Rau

Contractor: Superior

Drill: 1

Core size: BTW

Casing depth: 3.05 out

Drilling dates: July 9th to July 12, 2010

Geology logged by: K. Unger

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-60.0	compass				

TARGET: Upper Tiger and East Zone

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	3.20	3.20	OVB	No recovery
3.20	218.52	215.32	LST	
218.52	218.77	0.25	MBL	
218.77	219.15	0.38	DOL	Mineralized, Upper Tiger
219.15	219.77	0.62	MBL	
219.77	221.45	1.68	DOL	Mineralized, Upper Tiger
221.45	222.94	1.49	MBL	
222.94	240.01	17.07	VOL	AM
240.01	240.79	0.78	LST	Dolomitized
240.79	E.O.H.			

SAMPLES

Numbers: I076158 - I076167, I076177 - I076182

Total: 16

Batch: 47

Date Sent: July 19, 2010

Certificate: VA10098845

COMMENTS

The hole was lost because the rods became stuck in the hole.

GEOLOGY LOG

HOLE: Rau-10-95

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	Photo
0.00	3.20	3.20				OVB			Overburden - no recovery																		
3.20	218.52	215.32				LST	FOS		Dark to medium grey, FG to CG, variably MBL altered, variably FOS LST. Strain is variable throughout. VOL inerbeds are found at the top of the interval and gradually disappear with depth. BX textures are trace throughout, but increase with depth. MBL and FOS is generally strong throughout. In layers where rock is most fossiliferous, composition appears to be crinoid grainstone.							t		MBL	m			t					
			3.20	17.12	13.92	LST	FOS	BN	Dark to light grey, MG to CG, moderately MBL altered, FOS LST with brown to grey VOL interbeds. VOL units give rock a banded appearance. Bands decrease in width and frequency with depth. Fair OX alteration is present on fracture surfaces and slightly pervasive into LST, weakly staining rock. FOS content increases with depth, large crinoid fragments are present. Where most fossiliferous crinoid fragment grainstone occurs. Trace Po is seen with VOL layers, as either narrow, FG bands or as FG disseminations in VOL. Strain is most readily seen in VOL, exhibiting an undulose fabric with depth.							f		MBL	m			t					x
									FO is defined by VOL "banding", oriented 50 to 60 degrees TCA.	FO	55																
			17.12	45.98	28.86	LST	MBL	CG	Dark to light grey, strongly MBL altered, strongly strained, strongly FOS LST. Interbeds of coarse, fossil rich beds with deformed, undulose, FG LST occur throughout. Strain is exhibited by FG interbeds, appearing undulose to sinuous with variable angles from shallow to moderate relative TCA. Fossil textures generally lack strain. Fossils make up roughly 35 to 40% of material present, and is crinoid wakestone/grainstone in appearance where most fossiliferous. Trace Py is present proximal to Ca veinlets as MG, yellow blebs.							t		MBL	s	t							
									FO is oriented 20 to 50 degrees TCA, but is generally 45 degrees TCA throughout. FO is defined by FG interbed "banding" textures.	FO	45																
			21.25	21.27	0.02				2 CG, white Ca veinlets, 1.7 and 1.3 cm wide with proximal yellow blebs of Py .	VN																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			45.98	54.02	8.04	LST	FOS	CG	Dark to medium grey, FG to CG, interbedded/layered FOS LST exhibiting variable strain throughout. FG beds exhibit strain most readily, with pinch/swell textures are present around crinoid fragment fossils, and generally exhibit an undulose foliation. Crinoid stem fragments up to 1.5 cm in size are present. Where most fossiliferous, rock appears wakestone in composition. Overall amount of fossils in unit is roughly 30%. Trace, FG, soft, weakly SER altered VOL interbeds are present with depth. Weak MBL alteration throughout, decreasing to trace down interval. uCN is gradational.	CN								MBL	w									
									FO is defined by banded texture from interbeds, oriented 40 to 60 degrees, but generally 45 to 50 degrees TCA.	FO	45																
			54.02	58.36	4.34	LST	FOS	BX	Dark to light grey, FG to CG, weakly FOS, moderately mBX LST. Intermittent zones of mBX are present throughout, angular to tabular breccia clasts are supported by a white, CG, calcareous matrix. Moderate crinoid fragments (5%) and trace large fragments of favocitid "honeycomb" corals are present.																			x
									A weak FO is defined by BX orientation, 50 to 60 degrees TCA.	FO	55																
			58.36	62.20	3.84	LST	FOS	BX	Dark to medium grey, FG to MG, strongly FOS, variably strained, cBX LST. Fossil content increases with depth, with rounded, tabular fossils increasingly common with depth. Fossils make up 20-25% of material, with rock appearing as grainstone where most strongly fossiliferous. lCN is gradational over 10 cm, becoming deformed, foliated and weakly MBL altered with depth.	CN																		
									FO is defined by BX orientation, 70 degrees TCA.	FO	70																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			62.20	118.30	56.10	LST	MBL	BX	Dark to light grey, strongly MBL altered, sucrosic, variably strained, weakly FOS LST. MBL textures overprint relict, deformed BX textures throughout. Where fossils are present, they appear deformed, extended with strain fabric orientation, even where silicified. Strain fabric is undulose, orienting foliation shallow TCA. lCN is gradational, becoming strongly banded/foliated and increasingly finer grained with depth. Rock becomes less FOS and BX also with depth. Where strain is most strongly exhibited, the fabric of the rock is undulose, oriented shallow to near-parallel with CA. Deformed rugosa "horn" and favocitid "honeycomb" coral appear variably deformed, crinoid stem fragments are present in dark, FG, undulose bands.								MBL	s								
									FO is variable, oriented 0 to 20 degrees TCA where strain appears strongest, and is oriented up to 40 to 45 degrees elsewhere, generally 30 degrees TCA throughout.	FO	30															
			118.30	146.52	28.22	LST	MBL	BX	Dark grey, FG, strongly strained, weakly MBL altered LST, exhibiting an undulose to sinuous fabric throughout. Trace dull yellow Py blebs are associated with dark, deformed narrow mud layers/bands. Trace white, CG calcareous augens (relict fossils) are present, 1.3 cm in size on average, with FG lime muds around exhibiting pinch/swell textures oriented with strain fabric.										t							
									FO is strong, defined by shallow, banded texture, variably oriented from 0 to 25 degrees TCA, generally 15.	FO	15															
			146.52	152.78	6.26	LST	MBL	BX	Light to medium grey, strongly MBL altered LST, exhibiting deformed cBX textures. Rock exhibits strain textures throughout, variably undulose when seen in a few muddy LST bands that are present. Trace Py is present with dark, cBX matrix minerals as dull, FG disseminations.										t							
									FO is oriented 0 to 20 degrees, defined by banding and strain fabric throughout. Typically, FO is oriented 15 degrees TCA.	FO	15															

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			152.78	170.16	17.38	LST		FG	Dark grey, FG. Strongly foliated and banded LST with weak amounts of crinoid fragment fossils. Crinoid fragments exhibit strain in narrow, fossil rich bands, with occasional competent fossils and pinch-swell textures wrapping around them. Trace deformed calcareous bands are present throughout, appearing sinuous to amoeboid (relict fossil fragments?)																	
									FO is strong, variably oriented 0 to 30 degrees TCA, but FO is typically shallow throughout, oriented 15 degrees TCA.	FO	15																
			170.16	187.04	16.88	LST	MBL	BX	Light to dark grey, sucrosic, strongly MBL altered LST. MBL and strain overprint a relict BX fabric, large clasts appear deformed and elongated. MBL alteration increases with depth, marble banding present where MBL ALT is strongest. LST appears MO with depth with dark, patches present from 186.02 to 187.10 m. A few large ferocities "honeycomb" coral fragments are present, exhibiting strain that obscure the obvious fossil textures. Trace Py is found as <1 mm blebs appearing in undulose, dark muddy layers present up hole.									MBL	s	t							
									A strong FO is defined by BX elongation orientation. FG muddy bands and marble banding occurs, oriented 20 to 55 degrees TCA, but generally is oriented 40 degrees TCA.	FO	40															
									White, CG, calcareous, 17 cm wide vein oriented 40 degrees TCA, 270 degrees to FO crosscutting BX at 174.85 m.	VN	40	270														
			187.04	191.15	4.11	LST	SIL	FG	Dark grey, FG, moderately SIL altered, strained LST, weakly MO in appearance. Patches of strongly SIL altered LST up to a few cm in size are present throughout, sometimes exhibiting a cryptic, deformed "honeycomb" texture (relict corals?). Crinoids are present with depth near lCN, with visible deformation and appear ovular to bleb-like in shape. Trace Py is present as FG yellow, metallic blebs.									SIL	m	t							
									FO is defined by weak mottled texture oriented 45 degrees TCA.	FO	45															

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			191.15	201.45	10.30	LST	MBL		Dark to light grey, sucrosic to FG, variably strained, strongly MBL altered LST. Strain and MBL overprint relict BX textures. cBX clasts appear elongate, matrix sometimes appear near stylolitic. The texture becomes more deformed and rounded with depth. Where fine grained, rock appears weakly mottled. Trace white-yellow euhedral <1.5 mm Py crystals are present with dark bands of BX matrix minerals.								MBL	s	t						
									FO is oriented 50 to 70 degrees TCA, generally at 55 degrees but increasing with depth. FO is defined by banding and BX strain orientation.	FO	55															
									Narrow, white, CG Ca veinlet, oriented 25 degrees TCA, 170 to FO and is 3 mm wide with 2 mm wide selvages of calcareous, light grey, MG alteration of dark, FG LST host.	VT	25	170															
			201.45	206.69	5.24	LST		FG	Dark grey, strained, variably FOS, FG to MG, weakly MO LST with patches of weak SIL alteration. Trace crinoid fossils occur exhibiting strain becoming oval in shape in muddy interbeds with dark, tabular black mineral <1 mm in size and trace, bright yellow Py. A weak banded fabric is present in muddy layers.								SIL	w	t						
									FO is defined by banding and elongation in the mottled fabric, oriented 40 to 55 degrees TCA, generally 45 degrees.	FO	45															
			206.69	212.59	5.90	LST	MBL	BN	Light to dark grey, strongly MBL altered, sucrosic LST with strained interbeds of FG dark LST. Dark, muddy interbeds appear deformed, exhibiting an undulose to sinuous fabric. Strain and MBL alteration overprint a relict large, widely spaced BX texture. Trace crinoid and coral fossils are present; fossil textures are cryptic to obliterated. Trace FG Py is present as disseminations in FG, muddy bands.								MBL	s	t						
									FO is defined by banding and strain orientation, 50 to 55 degrees TCA.	FO	50															
			212.59	218.52	5.93	LST	MBL	BX	Light to medium grey, variably BX, strongly MBL altered LST. cBX texture cuts the LST with thin dark grey crackle seams. A deformed, coarser BX texture that is strongly MBL altered appears in between cBX layers. Layers and bands are evident, wide bands exhibit clear, sharp contacts oriented with FO. ICN is gradational, MBL alteration increases with depth over 12 cm.	CN							MBL	s							x

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									A strong FO is defined by BX orientation and banding oriented 60 to 70 degrees TCA. FO is steeper where appearing cBX occurs.	FO	70															
									MBL altered, calcareous veinlet crosscutting cBX texture at 215.15 m, appearing undulose, 4 mm wide, 20 degrees TCA and 180 degrees to FO.	VN	20	180														
218.52	218.77	0.25				MBL			Light grey, sucrosic, MBL, uCN and lCN contacts are gradational; lCN increasingly DOL altered with depth.	CN																
218.77	219.15	0.38				DOL	MX	CG	White to medium grey, CG, hydrothermal crystalline DOL with Py and Po MX. Po is present as bands to blebs, at times being replaced by bright yellow Py which is also seen in narrow bands to wisps. lCN is sharp, defined by a Py band/marble boundary oriented 70 degrees TCA.	lCN	70									w		m				
									FO is defined by DOL and Py banding, 70 degrees TCA.	FO	70															
219.15	219.77	0.62				MBL			White to medium grey, sucrosic MBL, becoming grey with depth. lCN is gradational over 7 cm, becoming increasingly coarser and more dolomitic with depth.	CN																
219.77	221.45	1.68				DOL	MX	CG	White to medium grey, CG, crystalline DOL with Py and As MX, exhibiting a weak sparry texture. Py is present as narrow bands commonly oriented to small masses of FG yellow Py. Weak As present as CG, euhedral crystals forming a weak band at 220.19 m and as MG euhedral crystals up hole near uCN. lCN is sharp defined by a Py band, oriented 60 degrees TCA.	CN									ms	w					
									FO is defined by Py and DOL banding, generally oriented 50 degrees TCA, but varies from 45 to 60 degrees.	FO	50															
221.45	222.94	1.49				MBL			White to light grey sucrosic MBL, weakly banded with faint dark bands. The lCN is gradational with narrow, deformed, VOL interbeds.	CN																
									FO is defined by faint banding textures, oriented 45 degrees TCA.	FO	45															

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
222.94	240.01	17.07				VOL		AM	Dark green, FG to MG, variably AM and magnetic, strongly CHL and BIO altered VOL. A banded texture is variable throughout. uCN is gradational, with moderate SER alteration below marble becoming dark green and strongly chloritic over 50 cm.									CHL	s									
																		BIO	s								
			223.74	227.42	3.68	VOL	CHL	AM	Dark green, FG to MG, variably amygdaloidal and magnetic VOL. Rock is magnetic from 223.74 to 226.48 m, and Am from 225.33 o 227.42 m. Amygdules are <1.2 cm in size and filled with CG calcite. lCN is gradational, becoming brown with depth.									CHL	i									
									FO is defined by AM orientation at 60 to 70 degrees TCA.	FO	65																	
									Creamy, FG, 6 mm wide Ca veinlet with 2.3 cm SER altered veinlet selvages, oriented parallel with FO.	VT	60	0																
			227.42	230.72	3.30	VOL	BIO	AM	Brown, FG to CG, strongly BIO altered, variably AM VOL with Py and Po MX. Py appears as CG subhedral to cubic replacements in amygdules to narrow bands throughout. Po increases with depth and is associated with bands of chloritic alteration at 229.00 m.									BIO	s	t		w						
									FO is defined by banding and amygdule orientation, 45-60 degrees TCA.	FO	55																	
			230.72	240.01	9.29	VOL		AM	Brown to light grey, FG to MG, strongly BIO altered, variably AM, strained VOL with Py and Po MX. VOL is brown with a buff-tan with soft clay alteration around grey, calcite filled amygdules. The amygdules become larger and more irregular in shape with depth. Sinuous margins of tan SER altered VOL exhibit shear. Fair Py is present as dull blebs to wispy bands to small masses and replacements of amygdules. Po is present as narrow veinlets or fracture fills. Weak Ca crack seal veinlets are present with depth. lCN is gradational, becoming FG, light grey with minor LST DOL interbeds with depth.									BIO	s	f		t						
									FO is defined by a banded texture and preferential fracturing of core, oriented 50 to 70 degrees TCA.	FO	60																	
									White, Ca crack-seal veinlets, parallel with FO and generally less than <1 mm wide increasingly present with depth.	VN	60	0																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
240.01	240.79	0.78				LST	DOL	BX	Dark to medium grey, sBX overprinted by cBX intensely DOL LST.					i													
									240.79 m - E.O.H. The hole was lost when the rods became stuck. Did not reach ultimate targeted depth.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-95

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
213.36	216.41	3.05	LST		3.04	100	I076158	47	<0.01	0.01	<5	0.19	
216.41	218.52	2.11	LST		2.11	100	I076159	47	<0.01	0.01	<5	0.20	
218.52	219.15	0.63	DOL	MX	0.61	97	I076160	47	0.07	0.06	123	61.80	
219.15	219.77	0.62	MBL		0.62	100	I076162	47	0.02	0.03	106	2.88	
219.77	221.45	1.68	DOL	MX	1.68	100	I076163	47	8.21	0.16	6830	404.00	
221.45	222.94	1.49	MBL		1.48	99	I076164	47	<0.01	0.01	49	0.89	
222.94	226.00	3.06	VOL	CHL	2.98	97	I076165	47	<0.01	0.05	4	0.53	
226.00	227.42	1.42	VOL	AM	1.38	97	I076166	47	<0.01	0.06	5	0.54	
227.42	230.00	2.58	VOL	AM	2.55	99	I076167	47	<0.01	0.24	103	51.40	
230.00	233.00	3.00	VOL	BIO	2.93	98	I076177	47	<0.01	0.23	54	7.95	
233.00	235.00	2.00	VOL	BIO	1.93	97	I076179	47	0.01	0.16	23	4.10	
235.00	237.00	2.00	VOL	BIO	2.00	100	I076180	47	<0.01	0.13	15	0.02	
237.00	240.01	3.01	VOL		2.97	99	I076182	47	<0.01	0.18	25	0.70	
-	-	-	-	-	-	-	I076161	47	0.37	1.83	6010	76.80	Standard RSS-5
-	-	-	-	-	-	-	I076178	47	<0.01	0.01	8	0.04	Blank (BTW)
235.00	237.00	2.00	VOL	BIO	2.00	100	I076181	47	<0.01	0.11	15	0.02	Duplicate

GEOTECHNICAL LOG

HOLE: Rau-10-95

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
3.20	6.10	2.90	2.90	100	1.54	53	MS	SW		
6.10	9.14	3.04	2.97	98	2.18	72	MS	SW		
9.14	12.19	3.05	3.05	100	1.65	54	MS	SW		
12.19	15.24	3.05	2.99	98	2.42	79	MS	SW		
15.24	18.29	3.05	3.05	100	2.65	87	MS	FR		
18.29	21.34	3.05	3.05	100	2.35	77	MS	FR		
21.34	24.38	3.04	3.04	100	2.54	84	MS	FR		
24.38	27.43	3.05	3.02	99	2.70	89	MS	FR		
27.43	30.48	3.05	3.05	100	2.52	83	MS	FR		
30.48	33.53	3.05	3.05	100	2.58	85	MS	FR		
33.53	36.58	3.05	3.00	98	2.60	85	MS	FR		
36.58	39.62	3.04	3.04	100	2.63	87	MS	FR		
39.62	42.67	3.05	2.99	98	2.81	92	MS	FR		
42.67	45.72	3.05	3.03	99	2.82	92	MS	FR		
45.72	48.77	3.05	3.05	100	2.90	95	MS	FR		
48.77	51.82	3.05	3.05	100	3.02	99	MS	FR		
51.82	54.86	3.04	3.04	100	2.59	85	MS	FR		
54.86	57.91	3.05	3.04	100	2.70	89	MS	FR		
57.91	60.96	3.05	3.03	99	3.03	99	MS	FR		
60.96	64.00	3.04	3.00	99	2.84	93	MS	FR		
64.00	67.06	3.06	3.04	99	3.00	98	MS	FR		
67.06	70.10	3.04	3.04	100	3.04	100	MS	FR		
70.10	73.15	3.05	3.02	99	3.00	98	MS	FR		
73.15	76.20	3.05	3.05	100	2.96	97	MS	FR		
76.20	79.25	3.05	2.94	96	2.83	93	MS	FR		
79.25	82.30	3.05	3.05	100	2.82	92	MS	FR		
82.30	85.34	3.04	3.03	100	3.03	100	MS	FR		
85.34	88.39	3.05	3.05	100	3.05	100	MS	FR		
88.39	91.44	3.05	3.00	98	3.00	98	MS	FR		
91.44	94.49	3.05	3.05	100	3.05	100	MS	FR		
94.49	97.54	3.05	3.05	100	3.05	100	MS	FR		
97.54	100.58	3.04	3.04	100	2.86	94	MS	FR		
100.58	103.63	3.05	3.01	99	3.01	99	MS	FR		
103.63	106.68	3.05	3.04	100	3.04	100	MS	FR		
106.68	109.73	3.05	3.05	100	3.05	100	MS	FR		
109.73	112.78	3.05	3.01	99	2.94	96	MS	FR		
112.78	115.82	3.04	3.04	100	2.95	97	MS	FR		
115.82	118.87	3.05	3.05	100	2.89	95	MS	FR		
118.87	121.92	3.05	3.05	100	2.88	94	MS	FR		
121.92	124.97	3.05	2.98	98	2.62	86	MS	FR		
124.97	128.02	3.05	3.01	99	2.92	96	MS	FR		
128.02	131.06	3.04	3.04	100	2.84	93	MS	FR		
131.06	134.11	3.05	3.01	99	2.75	90	MS	FR		
134.11	137.16	3.05	3.03	99	3.03	99	MS	FR		
137.16	140.21	3.05	3.05	100	2.99	98	MS	FR		
140.21	143.26	3.05	3.05	100	3.00	98	MS	FR		
143.26	146.30	3.04	2.84	93	2.50	82	MS	FR		
146.30	149.35	3.05	3.05	100	2.84	93	MS	FR		
149.35	152.40	3.05	3.03	99	2.63	86	MS	FR		
152.40	155.45	3.05	3.05	100	2.97	97	MS	FR		
155.45	158.50	3.05	2.93	96	2.87	94	MS	FR		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
158.50	161.54	3.04	3.04	100	3.04	100	MS	FR		
161.54	163.07	1.53	1.53	100	1.47	96	MS	FR		
163.07	166.12	3.05	2.84	93	2.77	91	MS	FR		
166.12	169.16	3.04	2.93	96	2.91	96	MS	FR		
169.16	172.21	3.05	3.01	99	2.74	90	MS	FR		
172.21	175.26	3.05	3.05	100	2.92	96	MS	FR		
175.26	178.31	3.05	3.05	100	3.05	100	MS	FR		
178.31	181.36	3.05	3.05	100	2.52	83	MS	FR		
181.36	184.40	3.04	3.05	100	2.68	88	MS	FR		
184.40	187.45	3.05	3.04	100	2.85	93	MS	FR		
187.45	190.50	3.05	2.96	97	2.79	91	MS	FR		
190.50	192.63	2.13	2.13	100	2.13	100	MS	FR		
192.63	195.53	2.90	2.90	100	2.34	81	MS	FR		
195.53	198.12	2.59	2.38	92	2.06	80	MS	FR		
198.12	201.17	3.05	3.02	99	2.98	98	MS	FR		
201.17	204.22	3.05	3.05	100	2.95	97	MS	FR		
204.22	207.26	3.04	3.04	100	2.78	91	MS	FR		
207.26	210.31	3.05	3.03	99	2.62	86	MS	FR		
210.31	213.36	3.05	3.02	99	2.84	93	MS	FR		
213.36	216.41	3.05	2.99	98	2.85	93	MS	FR		
216.41	219.46	3.05	3.05	100	2.50	82	MS	FR		
219.46	222.50	3.04	3.04	100	2.45	81	MS	FR		
222.50	225.55	3.05	2.99	98	1.90	62	MS	FR		
225.55	227.99	2.44	2.34	96	0.75	31	MS	FR		
227.99	231.19	3.20	3.08	96	2.48	78	MS	FR		
231.19	234.39	3.20	3.15	98	3.03	95	MS	FR		
234.39	237.74	3.35	3.35	100	2.93	87	MS	FR		
237.74	240.79	3.05	3.04	100	2.68	88	MS	FR		
240.79	E.O.H.									

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-95

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	OVB			
2.00	OVB			
3.00	OVB			
4.00	LST	FOS	0.08	
5.00	LST	FOS	0.45	
6.00	LST	FOS	0.10	
7.00	LST	FOS	0.00	
8.00	LST	FOS	0.41	
9.00	LST	FOS	1.29	
10.00	LST	FOS	0.34	
11.00	LST	FOS	2.52	
12.00	LST	FOS	0.53	
13.00	LST	FOS	0.49	
14.00	LST	FOS	0.71	
15.00	LST	FOS	0.00	
16.00	LST	FOS	4.36	
17.00	LST	FOS	1.64	
18.00	LST	MBL	0.47	
19.00	LST	MBL	0.92	
20.00	LST	MBL	0.00	
21.00	LST	MBL	1.12	
22.00	LST	MBL	0.06	
23.00	LST	MBL	0.00	
24.00	LST	MBL	0.00	
25.00	LST	MBL	0.00	
26.00	LST	MBL	0.00	
27.00	LST	MBL	0.00	
28.00	LST	MBL	0.00	
29.00	LST	MBL	1.12	
30.00	LST	MBL	0.18	
31.00	LST	MBL	0.02	
32.00	LST	MBL	0.06	
33.00	LST	MBL	0.00	
34.00	LST	MBL	1.12	
35.00	LST	MBL	0.10	
36.00	LST	MBL	0.10	
37.00	LST	MBL	0.00	
38.00	LST	MBL	0.02	
39.00	LST	MBL	0.00	
40.00	LST	MBL	0.00	
41.00	LST	MBL	0.16	
42.00	LST	MBL	0.00	
43.00	LST	MBL	0.00	
44.00	LST	MBL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	LST	MBL	0.00	
46.00	LST	FOS	0.51	
47.00	LST	FOS	0.47	
48.00	LST	FOS	0.10	
49.00	LST	FOS	0.06	
50.00	LST	FOS	0.10	
51.00	LST	FOS	0.08	
52.00	LST	FOS	0.04	
53.00	LST	FOS	0.08	
54.00	LST	FOS	0.14	
55.00	LST	FOS	2.62	
56.00	LST	FOS	0.00	
57.00	LST	FOS	0.04	
58.00	LST	FOS	0.00	
59.00	LST	FOS	0.00	
60.00	LST	FOS	0.10	
61.00	LST	FOS	0.00	
62.00	LST	FOS	0.00	
63.00	LST	MBL	0.00	
64.00	LST	MBL	1.35	
65.00	LST	MBL	0.08	
66.00	LST	MBL	0.02	
67.00	LST	MBL	0.00	
68.00	LST	MBL	0.04	
69.00	LST	MBL	0.04	
70.00	LST	MBL	0.00	
71.00	LST	MBL	0.00	
72.00	LST	MBL	0.00	
73.00	LST	MBL	0.28	
74.00	LST	MBL	0.28	
75.00	LST	MBL	0.00	
76.00	LST	MBL	0.00	
77.00	LST	MBL	0.02	
78.00	LST	MBL	0.00	
79.00	LST	MBL	0.00	
80.00	LST	MBL	0.00	
81.00	LST	MBL	0.00	
82.00	LST	MBL	0.00	
83.00	LST	MBL	0.02	
84.00	LST	MBL	0.00	
85.00	LST	MBL	0.00	
86.00	LST	MBL	0.00	
87.00	LST	MBL	0.16	
88.00	LST	MBL	0.00	
89.00	LST	MBL	0.41	
90.00	LST	MBL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	LST	MBL	0.00	
92.00	LST	MBL	0.04	
93.00	LST	MBL	0.02	
94.00	LST	MBL	0.06	
95.00	LST	MBL	0.04	
96.00	LST	MBL	0.00	
97.00	LST	MBL	0.00	
98.00	LST	MBL	0.02	
99.00	LST	MBL	0.02	
100.00	LST	MBL	0.00	
101.00	LST	MBL	0.00	
102.00	LST	MBL	0.00	
103.00	LST	MBL	0.02	
104.00	LST	MBL	0.00	
105.00	LST	MBL	0.00	
106.00	LST	MBL	0.00	
107.00	LST	MBL	0.00	
108.00	LST	MBL	0.00	
109.00	LST	MBL	0.04	
110.00	LST	MBL	0.00	
111.00	LST	MBL	0.18	
112.00	LST	MBL	0.10	
113.00	LST	MBL	0.08	
114.00	LST	MBL	0.00	
115.00	LST	MBL	0.00	
116.00	LST	MBL	0.00	
117.00	LST	MBL	0.00	
118.00	LST	MBL	0.00	
119.00	LST	MBL	0.04	
120.00	LST	MBL	0.00	
121.00	LST	MBL	0.10	
122.00	LST	MBL	0.00	
123.00	LST	MBL	0.06	
124.00	LST	MBL	0.00	
125.00	LST	MBL	0.00	
126.00	LST	MBL	0.06	
127.00	LST	MBL	0.00	
128.00	LST	MBL	0.00	
129.00	LST	MBL	0.06	
130.00	LST	MBL	0.08	
131.00	LST	MBL	0.02	
132.00	LST	MBL	0.02	
133.00	LST	MBL	0.00	
134.00	LST	MBL	0.00	
135.00	LST	MBL	0.02	
136.00	LST	MBL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	LST	MBL	0.10	
138.00	LST	MBL	0.04	
139.00	LST	MBL	0.00	
140.00	LST	MBL	0.06	
141.00	LST	MBL	0.00	
142.00	LST	MBL	0.00	
143.00	LST	MBL	0.00	
144.00	LST	MBL	0.06	
145.00	LST	MBL	0.04	
146.00	LST	MBL	0.00	
147.00	LST	MBL	0.00	
148.00	LST	MBL	0.00	
149.00	LST	MBL	0.06	
150.00	LST	MBL	0.00	
151.00	LST	MBL	0.00	
152.00	LST	MBL	0.00	
153.00	LST		0.00	
154.00	LST		0.00	
155.00	LST		0.00	
156.00	LST		0.00	
157.00	LST		0.00	
158.00	LST		0.02	
159.00	LST		0.02	
160.00	LST		0.04	
161.00	LST		0.02	
162.00	LST		0.04	
163.00	LST		0.00	
164.00	LST		0.02	
165.00	LST		0.04	
166.00	LST		0.10	
167.00	LST		0.06	
168.00	LST		0.06	
169.00	LST		0.06	
170.00	LST	MBL	0.00	
171.00	LST	MBL	0.00	
172.00	LST	MBL	0.00	
173.00	LST	MBL	0.00	
174.00	LST	MBL	0.00	
175.00	LST	MBL	0.02	
176.00	LST	MBL	0.00	
177.00	LST	MBL	0.00	
178.00	LST	MBL	0.00	
179.00	LST	MBL	0.00	
180.00	LST	MBL	0.00	
181.00	LST	MBL	0.00	
182.00	LST	MBL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00	LST	MBL	0.00	
184.00	LST	MBL	0.02	
185.00	LST	MBL	0.04	
186.00	LST	MBL	0.16	
187.00	LST	MBL	0.04	
188.00	LST	SIL	0.18	
189.00	LST	SIL	0.06	
190.00	LST	SIL	0.00	
191.00	LST	SIL	0.12	
192.00	LST	MBL	0.00	
193.00	LST	MBL	0.00	
194.00	LST	MBL	0.02	
195.00	LST	MBL	0.02	
196.00	LST	MBL	0.06	
197.00	LST	MBL	0.02	
198.00	LST	MBL	0.12	
199.00	LST	MBL	0.00	
200.00	LST	MBL	0.00	
201.00	LST	MBL	0.18	
202.00	LST		0.00	
203.00	LST		0.00	
204.00	LST		0.08	
205.00	LST		0.02	
206.00	LST		0.00	
207.00	LST	MBL	0.00	
208.00	LST	MBL	0.10	
209.00	LST	MBL	0.04	
210.00	LST	MBL	0.14	
211.00	LST	MBL	0.00	
212.00	LST	MBL	0.00	
213.00	LST	MBL	0.04	
214.00	LST	MBL	0.00	
215.00	LST	MBL	0.00	
216.00	LST	MBL	0.00	
217.00	LST	MBL	0.00	
218.00	LST	MBL	0.10	
219.00	DOL	MX	46.20	
220.00	DOL	MX	2.35	
221.00	DOL	MX	2.29	
222.00	MBL		0.04	
223.00	VOL		0.20	
224.00	VOL		27.60	
225.00	VOL		231.00	*231.00 is correct*
226.00	VOL		53.00	
227.00	VOL		1.90	
228.00	VOL		11.70	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
229.00	VOL		17.80	
230.00	VOL		21.30	
231.00	VOL		11.60	
232.00	VOL		0.08	
233.00	VOL		0.02	
234.00	VOL		4.12	
235.00	VOL		0.00	
236.00	VOL		0.00	
237.00	VOL		0.16	
238.00	VOL		0.04	
239.00	VOL		0.00	
240.00	VOL		0.00	

DENSITY LOG

HOLE: Rau-10-95

Depth (m)	Unit	Modifier	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
			Py %	As %	Other	%							
8.90	LST	VOL					FO	14.5	4.2	563.5	363.4	2.86	2.82
47.54	LST	FOS					BN	15.1	4.2	576.4	365.9	2.81	2.74
54.39	LST						mBX	15.0	4.2	576.3	370.1	2.83	2.79
104.43	MBL	FOS						14.9	4.2	561.0	359.4	2.77	2.78
153.56	LST	FG	t				FO	15.0	4.2	565.5	360.1	2.78	2.75
236.31	VOL		w					15.0	4.2	619.8	407.5	3.04	2.92

BOX LOG

HOLE: Rau-10-95

BOX	FROM (m)	TO (m)
1	3.20	8.40
2	8.40	13.83
3	13.83	19.40
4	19.40	24.94
5	24.94	30.57
6	30.57	36.04
7	36.04	41.69
8	41.69	47.32
9	47.32	52.88
10	52.88	58.44
11	58.44	64.00
12	64.00	69.51
13	69.51	75.19
14	75.19	80.77
15	80.77	86.23
16	86.23	91.86
17	91.86	97.54
18	97.54	103.33
19	103.33	108.93
20	108.93	114.61
21	114.61	120.32
22	120.32	125.82
23	125.82	131.18
24	131.18	136.97
25	136.97	142.53
26	142.53	148.27
27	148.27	153.88
28	153.88	159.41
29	159.41	164.96
30	164.96	170.58
31	170.58	176.09
32	176.09	181.62
33	181.62	187.30
34	187.30	192.82
35	192.82	198.74
36	198.74	204.41
37	204.41	210.19
38	210.19	215.82
39	215.82	221.45
40	221.45	226.97
41	226.97	232.66
42	232.66	238.19
43	238.19	240.79
240.79 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
09+970NW	09+996NE	528512	7119015	1248	73.91

ZONE: Oxide

SECTION: 09+970 NW

HOLE: **Rau-10-96**

CLAIM: Rau 56

Contractor: Superior

Drill: 2

Core size: PQ

Casing depth: 3.05 m out

Drilling dates: July 9-11, 2010

Geology logged by: K. Wynne

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-62.0	compass				

TARGET: Oxide Zone

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	4.42	4.42	OVB	
4.42	6.15	1.73	LST	very broken
6.15	14.09	7.94	OX	
14.09	28.00	13.91	DOL	FO defined by Py MX, cg As.
28.00	39.66	11.66	OX	
39.66	50.81	11.15	DOL	FO defined by Py MX, cg As.
50.81	71.51	20.70	OX	with mBX LST intervals.
71.51	73.91	2.40	MBL	
73.91	E.O.H.			

SAMPLES

Numbers: I076104-I076157

Total: 54

Batch: 45, 46, 47

Date Sent: July 19, 21 2010

Certificate: VA10098846, VA10089879, VA10098845

COMMENTS

The hole was ended because it was through the oxide an into the lower marble. The hole was lined with PVC pipe for use in a later downhole gravity survey.

GEOLOGY LOG

HOLE: Rau-10-96

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	4.42	4.42				OVB			Overburden - no recovery																		
4.42	6.15	1.73				LST	RBL		Medium grey, FG, locally FO, locally cBX, LST. cBX matrix is Ca veined, very broken, with medium brown clay to grit in intervals up to 15 cm long. Gradational lCN.																		
6.15	14.09	7.94				OX			Medium orange and dark red-brown clay to rubble, with light yellow and blue grey intersections. Small unaltered core sections and rubble fizz with acid very weakly at top of interval, (i DOL altered LST grading into DOL?).							i	i									
			10.50	11.50	1.00				Light yellow to light blue-grey clay to small rubble, predominantly clay. Sharp transition to SID OX rubble at uCN and lCN. Very poor recovery.																	
			13.72	14.02	0.30				Blue grey clay to grit with light orange DOL rubble and core which breaks easily.																	
14.09	28.00	13.91				DOL	MX		Variably OX and MX, FG to CG DOL. Py is FG, brassy, defining FO and massive. As is grey, MG, locally disseminated. DOL has cataclastic texture, with thin seams rimming crystals.											s	ms					
			14.02	15.52	1.50	DOL	MX		Light yellow-white MG to CG DOL, intense FG Py MX that is brassy and both disseminated and defining FO. The last 15 cm have MG to CG strong As disseminated, with light green FG mineral associated in trace amounts (actinolite?). Intensely OX zones ~ 2 cm wide probably altered VT.	FO	45					w				i	f					
									Mineralization is cBX by thin Qz/DOL VT, altered dark brown (SID), at 2 orientations; with FO and as noted.	VT	30	160														
			15.52	16.17	0.65	DOL			Medium grey, CG DOL, cBX by thin grey seams. Intensely OX layers with CG DOL crystals on FX faces are ~ 3 cm wide, may be altered VT. No noticeable MX. Very hard.							m		SIL	f							
			16.17	19.00	2.83	DOL	MX		Light yellow to white MG to CG DOL, with OX zones up to 10 cm wide. Brassy, FG Py found along rims of DOL crystals, disseminated, defining FO to massive. Dull grey MG to CG As found locally in fair amount, trace overall.	FO	60					w				i	t					
			18.33	19.00	0.67	MX	DOL		Massive FG brassy Py with DOL VT.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			19.00	20.30	1.30	DOL	cBX		Medium grey FG to MG DOL with dark grey stringers cross cutting white DOL VT. Very broken and altered DOL ranging to orange brown rubble and medium brown clay. Trace Py stringers.							f				t							
			20.30	23.82	3.52	DOL	MX		MG to CG light yellow DOL locally pink-red stained (HEM), and greenish around rims. Pink stain around dark brown SID altered fractures and VT. Intensely mineralized by FG green-brassy Py, disseminated, defining FO to massive. As, MG to CG, dull grey to silver on fresh surfaces. Py appears to cross-cut As. Increasingly As rich down interval.	FO	55							HEM	w	i	i						
										VT	20	225															
			23.82	25.53	1.71	DOL			FG to MG, light yellow to white DOL with FO defined by fine grained grey layers. The interval is very hard and less well MX than surrounding intervals. Py is FG, brassy and follows FO with trace MG dull grey disseminated As.	FO	55							SIL	f	f	t						x
									Qz/DOL VT cross-cutting MX, with Qz preferentially at sections where MX trend crosses VT.	VT	25	180															
			23.82	24.38	0.56				Highly OX along FX planes, possibly altered VT. Unoxidized portions of interval display quartz eyes and small Qz VT.									SIL	s								
			25.53	27.21	1.68	DOL	MX		Light orange, yellow, and white FG to CG DOL, with grain size variety defining FO along with FG brassy Py and MG grey disseminated As. Light orange DOL appears to be Fe-staining from Py bands.											s	f						
			27.21	28.00	0.79	LST	OX		Orange brown OX, with unoxidized zones white to dark grey, intensely dolomitized LST with SID coating fractured and broken core.					i		s	f								
28.00	39.66	11.66				OX			Orange brown non-calcareous clay to core. SID rubble is common.							i	i										
			28.00	30.90	2.90	OX	SID		Orange brown to dark red-brown clay to core, predominantly SID altered core.							s	i										
			30.90	39.66	8.76	OX			Orange-brown clay to rubble with dark red brown colour common below smeared surface of the core. Predominantly silt with small rubble zones.							i	i										

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
39.66	50.81	11.15				DOL	MX		Light yellow to light pink MG to CG DOL, locally cBX and containing a cataclastic texture. Mineralization consists of FG to MG Py, defining FO and disseminated to massive in a brassy to light gold colour. As is MG to CG, dull grey, euhedral to anhedral in shape and disseminated throughout.											m	w						
			39.66	40.74	1.08	DOL	MX		Medium pink, MG DOL (HEM altered) with orange DOL as rims around Py patches. Py is FG, brassy silver, disseminated, forming bands at various orientations. As is trace, MG, subhedral, found in Py planes. Core surface corroded, with Py planes particularly OX. Last 20 cm very corroded and altered dark red-brown.							t	w	HEM	s	ms	t						
			40.74	42.34	1.60	DOL	MX		Light pink to yellow-white, MG to CG, cBX DOL/ANK with zones of dark grey, FG, intensely DOL altered LST with white spotting. The unit has sharp contacts with DOL. Py is FG to MG, disseminated, and doesn't form planar structures. As is MG to CG, anhedral and disseminated to patchy. OX coats fractures near Py.						f	t		HEM	f	s	w						
			40.74	40.98	0.24	DOL	mBX		DOL matrix with <1 cm diameter clasts of FG dark grey LST. Trace seams of dark grey mineral with sheen and flat surfaces (graphite?).														Gr	w			
			42.34	43.56	1.22	DOL	MX		Light to medium pink and light orange, MG, DOL/ANK with HEM alteration. Py is FG to MG, brassy, defining FO in thin stringers and massive up to 10 cm thick. As is MG to CG, anhedral and appears to be replaced by Py						w			HEM	f	s	w						
			43.56	45.37	1.81	DOL	MX		MG to CG, light yellow with medium pink patches, DOL/ANK (HEM altered). Py is FG to MG, defines FO and is brassy. As is MG, dull grey and disseminated. Bismuthinite (very soft, dark grey) is found in trace amounts.	FO	60				w			HEM	s	m	t		Bs	t			
			45.37	45.88	0.51	DOL	MX		Light orange DOL/ANK, FG to MG, cBX by thin dark grey seams, locally very concentrated. DOL VT ~ 0.5 cm thick, with vugs from corrosion, occur en echelon, coinciding with zone of elongation of grey stringers and DOL (Strain zone?). Py/As is trace and disseminated.						ms					t	t						x
			45.88	48.55	2.67	DOL	MX		MG to CG light orange to pink white, DOL/ANK with FG Py defining FO and MG to CG As disseminated near Py. OX is weak around Py and on FX.	FO	60				m	t				ms	w						
									Ca VT with offshoots at low angle TCA. Irregular.	VT	30	80															

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			48.55	50.81	2.26	DOL	MX		Light orange and pink-white DOL with cataclastic texture. Py MX defining FO and on crystal boundaries. OX/SID trace to strong locally.							f	w			m							
50.81	71.51	20.70				OX	LST		Dark to light orange brown clay to core, predominantly silt, with intervals of broken DOL altered LST.							i	i										
			50.81	53.34	2.53	OX	DOL		Orange brown clay to core, predominantly core with unaltered portions white with Py seams. Fizzes locally (Ca VT?), with gradational lCN, becoming more clay rich.							i	w										
			53.34	57.05	3.71	OX	SID		Dark orange-brown with black sheen inside core (SID), silt to core, predominantly rubble and core easily broken to rubble.							s	i										
			57.05	62.48	5.43	LST	mBX		Very broken core, mBX of medium grey FG LST by white DOL. Clasts angular and irregularly shaped, with FG to MG DOL crystals locally appearing to overprint LST. Variably OX, with intense OX intervals up to 1 m long or orange brown SID rich silt to core, predominantly rubble. OX zones variably fizzy.							s	m										
			62.48	68.07	5.59	OX			Dark orange brown clay to rubble, predominantly silt.							i	m										
			68.07	71.51	3.44	OX	SID		Bright orange surface with dark red brown to black centres. Clay to core, predominantly SID rubble.							s	i										
71.51	73.91	2.40				MBL			Sharp uCN. White, FG, with trace Py.	uCN	70																
									73.91 m - E.O.H.. The hole was ended because it was through the targeted Oxide mineralization. The hole was lined with PVC pipe to be used in a later downhole gravity survey.																			

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-96

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
4.57	6.15	1.58	LST		0.74	47	I076104	45	1.52	0.31	10000	150.00	
6.15	7.62	1.47	OX		0.92	63	I076105	45	8.57	0.53	112500	497.00	
7.62	9.14	1.52	OX		0.17	11	I076106	45	2.81	0.35	78000	211.00	
9.14	10.66	1.52	OX		0.55	36	I076107	45	6.99	0.22	156000	275.00	
10.66	12.19	1.53	OX		0.54	35	I076108	45	2.62	0.22	71100	75.70	
12.19	13.72	1.53	OX		0.76	50	I076109	45	3.35	0.28	77700	219.00	
13.72	14.09	0.37	OX		0.16	43	I076110	45	1.68	0.50	16650	285.00	
14.09	15.52	1.43	DOL	MX	0.89	62	I076111	45	2.50	0.15	14450	288.00	
15.52	16.17	0.65	DOL		0.60	92	I076112	45	0.07	0.01	4700	5.24	
16.17	18.33	2.16	DOL	MX	1.93	89	I076114	45	1.22	0.12	12150	145.50	
18.33	19.00	0.67	DOL	MX	0.67	100	I076115	45	0.72	0.10	5810	316.00	
19.00	20.30	1.30	DOL		1.13	87	I076116	45	0.22	0.06	4310	7.32	
20.30	22.00	1.70	DOL	MX	1.46	86	I076118	45	6.77	0.05	86500	190.00	
22.00	23.82	1.82	DOL	MX	1.43	79	I076119	45	19.10	0.08	161500	86.80	
23.82	25.53	1.71	DOL	MX	1.55	91	I076120	45	1.26	0.04	20500	29.20	
25.53	27.21	1.68	DOL	MX	1.68	100	I076121	46	6.92	0.11	50100	127.50	
27.21	28.00	0.79	LST	OX	0.67	85	I076123	46	0.22	0.05	7500	41.60	
28.00	28.96	0.96	OX		0.96	100	I076124	46	0.30	0.26	51400	28.40	
28.96	30.48	1.52	OX		1.32	87	I076125	46	1.83	0.10	119000	59.80	
30.48	32.00	1.52	OX		0.80	53	I076126	46	0.96	0.23	73900	50.00	
32.00	33.53	1.53	OX		1.12	73	I076127	46	4.29	0.37	85600	85.60	
33.53	35.05	1.52	OX		0.95	63	I076129	46	11.65	4.10	72700	245.00	
35.05	36.58	1.53	OX		0.20	13	I076130	46	4.73	2.90	53000	311.00	
36.58	38.10	1.52	OX		0.31	20	I076131	46	5.02	1.66	54100	398.00	
38.10	39.66	1.56	OX		0.65	42	I076132	46	1.38	27.30	46900	282.00	
39.66	40.74	1.08	DOL	MX	0.85	79	I076133	46	0.69	27.40	13000	591.00	
40.74	42.34	1.60	DOL	MX	1.60	100	I076134	46	1.01	3.30	8660	68.10	
42.34	43.56	1.22	DOL	MX	1.22	100	I076136	46	1.01	2.82	20600	96.90	
43.56	45.37	1.81	DOL	MX	1.64	91	I076137	46	0.47	1.16	11900	259.00	
45.37	45.88	0.51	DOL	cBX	0.50	98	I076138	46	0.11	0.18	8790	2.86	
45.88	48.55	2.67	DOL	MX	1.97	74	I076139	46	0.45	5.63	13200	208.00	
48.55	50.81	2.26	DOL	MX	1.48	65	I076140	46	0.09	0.99	1060	77.50	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
50.81	51.82	1.01	OX	DOL	0.66	65	I076141	46	0.56	0.08	9340	84.70	
51.82	53.34	1.52	OX	DOL	0.95	62	I076142	46	1.14	1.46	21900	101.00	
53.34	54.86	1.52	OX	SID	0.44	29	I076144	46	1.80	5.06	62400	145.50	
54.86	56.39	1.53	OX	SID	0.92	60	I076145	46	0.62	0.48	43500	63.00	
56.39	57.91	1.52	OX	LST	0.47	31	I076146	46	0.81	0.24	18800	56.60	
57.91	59.44	1.53	LST	mBX	1.34	88	I076147	46	0.11	1.00	5990	24.60	
59.44	60.96	1.52	LST	mBX	1.27	84	I076148	46	0.18	0.17	11300	5.65	
60.96	62.48	1.52	LST	mBX	1.22	80	I076149	46	0.16	0.06	11200	13.90	
62.48	64.01	1.53	OX		0.29	19	I076150	46	1.42	1.96	32600	28.10	
64.01	65.53	1.52	OX		1.11	73	I076151	46	0.37	0.84	60400	39.50	
65.53	67.06	1.53	OX		0.53	35	I076152	46	0.20	0.90	48100	15.35	
67.06	68.58	1.52	OX	SID	0.91	60	I076153	46	5.42	1.15	44900	53.20	
68.58	70.10	1.52	OX	SID	0.91	60	I076155	46	0.29	0.37	31700	116.50	
70.10	71.51	1.41	OX	SID	1.23	87	I076156	47	0.15	0.44	34300	7.07	
71.51	73.91	2.40	MBL		2.21	92	I076157	47	<0.01	<0.01	15	0.07	
-	-	-	-	-	-	-	I076113	45	3.60	0.39	59200	246.00	Standard RSS-7
-	-	-	-	-	-	-	I076117	45	0.01	0.02	60	3.65	Blank PQ
25.53	27.21	1.68	DOL	MX	1.68	100	I076122	46	5.89	0.14	41600	121.00	Duplicate
-	-	-	-	-	-	-	I076128	46	8.33	25.20	9	1.14	Standard ROS-4
-	-	-	-	-	-	-	I076135	46	0.01	0.03	77	0.48	Blank PQ
-	-	-	-	-	-	-	I076143	46	1.36	0.65	84	1.81	Standard ROS-2
-	-	-	-	-	-	-	I076154	46	0.01	0.01	91	0.14	Blank PQ

GEOTECHNICAL LOG

HOLE: Rau-10-96

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
4.57	6.10	1.53	0.79	52	0	0	VW	HW		
6.10	7.62	1.52	1.03	68	0.00	0	EW	EW	5YR4/4	OXIDE
7.62	9.14	1.52	0.15	10	0.00	0	EW	EW	5YR3/3	OXIDE
9.14	10.66	1.52	0.63	41	0.00	0	EW	EW	10YR4/6	OXIDE
10.66	12.19	1.53	0.58	38	0.00	0	EW	EW	10YR5/2 and 5Y7/2	OXIDE
12.19	13.72	1.53	0.85	56	0.00	0	EW	EW	5YR4/4	OXIDE
13.72	15.24	1.52	0.89	59	0.64	42	MS	MW		
15.24	16.76	1.52	1.42	93	1.09	72	MS	MW		
16.76	18.29	1.53	1.42	93	1.42	93	MS	MW		
18.29	19.81	1.52	1.40	92	1.03	68	MS	MW		
19.81	21.34	1.53	1.53	100	1.43	93	MS	HW		
21.34	22.86	1.52	1.26	83	0.98	64	MS	MW		
22.86	24.38	1.52	1.44	95	1.11	73	MS	MW		
24.38	25.91	1.53	1.39	91	1.39	91	MS	SW		
25.91	27.43	1.52	1.52	100	1.49	98	W	MW		
27.43	28.96	1.53	1.45	95	1.22	80	EW	HW	5YR4/4	oxide but competent rock
28.96	30.48	1.52	1.32	87	0.63	41	W	HW	5YR4/4	oxide but competent rock
30.48	32.00	1.52	0.80	53	0.00	0	EW	EW	5YR3/4	OXIDE
32.00	33.53	1.53	1.12	73	0.00	0	EW	EW	5YR3/4	OXIDE
33.53	35.05	1.52	0.95	63	0.00	0	EW	EW	5YR3/4	OXIDE
35.05	36.58	1.53	0.20	13	0.00	0	EW	EW	5YR3/4	OXIDE
36.58	38.10	1.52	0.31	20	0.00	0	EW	EW	5YR3/4	OXIDE
38.10	39.62	1.52	0.63	41	0.00	0	EW	EW	5YR3/4	OXIDE
39.62	41.15	1.53	1.27	83	1.06	69	W	MW		
41.15	42.67	1.52	1.52	100	1.53	101	MS	SW		
42.67	44.20	1.53	1.51	99	1.43	93	MS	SW		
44.20	45.72	1.52	1.44	95	1.35	89	MS	SW		
45.72	47.24	1.52	1.43	94	1.22	80	MS	SW		
47.24	48.77	1.53	0.82	54	0.55	36	MS	SW		
48.77	50.29	1.52	0.81	53	0.45	30	W	HW		
50.29	51.82	1.53	1.20	78	0.52	34	W	HW		
51.82	53.34	1.52	0.95	62	0.00	0	W	EW	5YR 4/2	OXIDE
53.34	54.86	1.52	0.44	29	0.00	0	EW	EW	5YR 4/2	OXIDE
54.86	56.39	1.53	0.92	60	0.00	0	EW	EW	5YR 4/2	OXIDE
56.39	57.91	1.52	0.47	31	0.00	0	EW	EW	5YR 4/2	OXIDE
57.91	59.44	1.53	1.34	88	0.50	33	EW	EW	5YR 4/2	OXIDE
59.44	60.96	1.52	1.27	84	0.35	23	EW	EW		
60.96	62.48	1.52	1.22	80	0.23	15	EW	EW		
62.48	64.01	1.53	0.29	19	0.00	0	EW	EW	2.5YR 3/3	OXIDE
64.01	65.53	1.52	1.11	73	0.00	0	EW	EW	2.5YR 3/3	OXIDE
65.53	67.06	1.53	0.53	35	0.00	0	EW	EW	2.5YR 3/3	OXIDE
67.06	68.58	1.52	0.91	60	0.00	0	EW	EW	2.5YR 4/8	OXIDE
68.58	70.10	1.52	0.91	60	0.00	0	EW	EW	2.5YR 2.5/3	OXIDE
70.10	71.63	1.53	1.31	86	0.00	0	EW	EW	5YR 4/3	OXIDE
71.63	73.15	1.52	1.49	98	1.39	91	MS	SW		
73.15	73.91	0.76	0.76	100	0.77	101	MS	SW		
73.91	E.O.H.									

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-96

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	OVB		N/A	
2.00	OVB		N/A	
3.00	OVB		N/A	
4.00	OVB		N/A	
5.00	LST	RBL	0.10	
6.00	LST	RBL	0.05	
7.00	OX		0.56	
8.00	OX		0.29	
9.00	OX		0.31	
10.00	OX		0.10	
11.00	OX		0.59	
12.00	OX		0.00	
13.00	OX		0.26	
14.00	OX		0.00	
15.00	DOL	MX	0.20	
16.00	DOL		0.07	
17.00	DOL	MX	0.17	
18.00	DOL	MX	0.17	
19.00	DOL	MX	0.13	
20.00	DOL	CBx	0.00	
21.00	DOL	MX	0.17	
22.00	DOL	MX	0.02	
23.00	DOL	MX	0.11	
24.00	DOL		0.16	
25.00	DOL		0.16	
26.00	DOL	MX	0.84	
27.00	DOL	MX	0.19	
28.00	LST	OX	0.29	
29.00	OX	SID	0.14	
30.00	OX	SID	0.41	
31.00	OX		0.54	
32.00	OX		0.45	
33.00	OX		0.62	
34.00	OX		0.42	
35.00	OX		0.26	
36.00	OX		0.34	
37.00	OX		0.19	
38.00	OX		0.14	
39.00	OX		0.45	
40.00	DOL	MX	0.10	
41.00	DOL	MX	0.00	
42.00	DOL	MX	0.00	
43.00	DOL	MX	0.00	
44.00	DOL	MX	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	DOL	MX	0.01	
46.00	DOL	MX	0.00	
47.00	DOL	MX	0.11	
48.00	DOL	MX	0.13	
49.00	DOL	MX	0.07	
50.00	DOL	MX	0.00	
51.00	OX	DOL	0.00	
52.00	OX	DOL	0.00	
53.00	OX	DOL	0.00	
54.00	OX	SID	0.00	
55.00	OX	SID	0.44	
56.00	OX	SID	0.41	
57.00	OX	SID	0.45	
58.00	LST	Mbx	0.05	
59.00	LST	Mbx	0.00	
60.00	LST	Mbx	0.00	
61.00	LST	Mbx	0.16	
62.00	LST	Mbx	0.00	
63.00	OX		0.11	
64.00	OX		0.02	
65.00	OX		0.26	
66.00	OX		0.25	
67.00	OX		0.34	
68.00	OX		0.31	
69.00	OX	SID	0.08	
70.00	OX	SID	0.39	
71.00	OX	SID	0.25	
72.00	MBL		0.00	
73.00	MBL		0.00	

DENSITY LOG

HOLE: Rau-10-96

Depth (m)	Unit	Modifier	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
			Py %	As %	Other	%							
18.38	DOL	MX	I				MASSIVE PYRITE	14.7	8.5	3329.7	2507.5	4.03	4.05
26.00	DOL	MX	M	M			FOLIATED	14.4	8.5	2484.1	1673.7	3.07	3.07

HOLE: Rau-10-96

Box #	Diameter (cm)	From (m)	To (m)	Unit	Modifier	Recovery	Weight	Density	Comments
9	8.5	29.80	33.35	OX		2.30	53.5	1.88	100% OXIDE.
10	8.5	33.35	39.62	OX		2.05	66.5	2.62	100% OXIDE.

BOX LOG

HOLE: Rau-10-96

BOX	FROM (m)	TO (m)
1	4.42	7.47
2	7.47	13.32
3	13.32	16.43
4	16.43	19.06
5	19.06	21.54
6	21.54	24.38
7	24.38	27.20
8	27.20	29.80
9	29.80	33.35
10	33.35	39.62
11	39.62	42.34
12	42.34	44.83
13	44.83	47.24
14	47.24	50.90
15	50.90	54.86
16	54.86	58.45
17	58.45	60.90
18	60.90	64.54
19	64.54	68.58
20	68.58	71.50
21	71.50	73.91
73.91 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
10+400NW	10+240NE	528411	7119504	1465	269.14

ZONE: Tiger

SECTION: 10+400NW

HOLE: **Rau-10-97**

CLAIM: Rau 98f

Contractor: Superior

Drill: 3

Core size: HQ3 to 122.83 m/ NQ

Casing depth: 3.05 m out

Drilling dates: July 10-18, 2010

Geology logged by: E. Theissen, K.Wynne

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	228	-65.0	compass	192.60	228	-60.0	Ranger
131.70	228	-62.9	Ranger	207.90	228	-59.5	Ranger
146.90	228	-62.5	Ranger	223.10	228	-59.3	Ranger
162.20	228	-62.6	Ranger	238.40	228	-59.0	Ranger

TARGET: Tiger Oxide

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	2.60	2.60	OVB	
2.60	28.20	25.60	LST	
28.20	50.06	21.86	VOL	
50.06	157.36	107.30	LST	
157.36	196.62	39.26	VOL	
196.62	237.60	40.98	MBL	
237.60	243.23	5.63	OX	
243.23	248.72	5.49	MBL	Oxidized
248.72	263.96	15.24	OX	
263.96	269.14	5.18	LEP	
269.14	E.O.H.			

SAMPLES

Numbers: I076168-I076176, I076183-I076204, I076248-I076261, I076265-I076284, I076318-I076339

Total: 87

Batch: 47, 48, 49, 50, 51, 52

Date Sent: July 19, 20, 21, 23, 2010

Certificate: VA10098845, VA10089878, VA10089877 VA10100827, VA10100824, VA10099507

COMMENTS

The hole was ended because it was past the targeted oxide horizon.

GEOLOGY LOG

HOLE: Rau-10-97

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	2.60	2.60				OVB			Overburden - no recovery																		
2.60	28.20	25.60				LST			Grey to light-grey medium to fine-grained partially marbleized and fossiliferous limestone.																		
			2.60	12.80	10.20	LST			Light grey to grey limestone unit that interfingers between slightly marbleized crinoidal wackestones and mudstones with a weak foliation. Unit terminates in broken core along foliation with abundant carbonaceous material.																		
									Foliation is defined by the shear fabric	FO	40																
			12.80	17.37	4.57	MBL	LST		Grey highly foliated and strained marbleized limestone. Primary clastic lithology is cryptic and not visible due to the marbleization and the ductile nature of the fabric. The sinuous foliation becomes anastomosing in some portions. Lower contact becomes broken along foliation with carbonaceous material.																		
									Foliation is define by a ductile fabric	FO	30																
			17.37	28.20	10.83	LST			Dark to medium grey interbedded clastic crinoidal wackestones to mudstones and floatstones. Floatstone fragments are mostly favosites with tightly packed tabulae from shear, with minor Rugosan corals. Favosites may occur as one unit for 1 m. Lower contact is slightly yellow along oxidized fractures surfaces along foliation.	FO	50															
									Coarse grained angular Quartz-calcite veins that is 1 cm thick and occurs along a strained foliation.	VN	50	0	1														
28.20	50.06	21.86				VOL			Pale green to dark grey fine to medium-grained foliated and strained volcanic. This unit is non-magnetic and has abundant calcite veining and fair biotite alteration. The unit is fairly fractured and has gouge material throughout fractures. Unit interfingers with a cobble conglomerate. Upper contact has rubbly oxide volcanic, the lower contact has more gougy oxide.							w		BIO	f								
			28.20	36.40	8.20	VOL			Pale dark green foliated volcanic. Pre-shear irregular calcite veins are common and appear strained along foliation. Biotite occurs as fine-grained dark-brown networks within the volcanic.																		
									The foliation is strain induced	FO	30																
									Coarse, euhedral calcite vein that is 3 mm to 1 cm thick.	VN	45	270	3														

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							PHOTO
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			36.40	39.95	3.55	VOL	CGL		Pale green foliated conglomerate with rounded elongated clasts following the foliation. Clasts are darker green-grey and have irregular white clastic fragments in them.							t											
									Foliation is defined by elongated clasts and sheared foliation with minor mm scale oxide staining.	FO	35					t											
									Medium-grained euhedral calcite vein	VN	35	195	1														
			39.95	42.60	2.65	VOL			Brown fine-grained biotite rich volcanic with abundant calcite spotted texture as well as pre-shea irregular calcite veins. This unit has many brittle faults, now annealed, offsetting many features of veining and strain.																			
									A strained fabric defined the foliation	FO	30																
									1 mm wide white calcite veinlet.	VN	50	270	2														
			42.60	46.00	3.40	VOL	CGL		Deep and pale green conglomerate with clasts up to 5 cm long elongated with foliation, the matrix is a mottled green-black colour and clasts are pale green and subrounded with some weak biotite alteration. The unit is non magnetic.									BIO	w									
									The foliation is defined by elongated clasts and strained fabric.	FO	35																
									1.2 cm calcite vein.	VN	30	260	1														
			46.00	50.06	4.06	VOL			Dark grey to pale green fine-grained to very fine-grained slightly calcareous volcaniclastic. The calcareous portions appear muddy like deep marine silts with broken core and gouge in the fractures.																			x
									Weak foliation.	FO	50																
									1 cm calcite veining with oxide staining.	VN	49	195	1														
50.06	157.36	107.30				LST			Grey to light grey fine-grained limestone with some muddy interbeds. Oxidized and marbleized portions occur throughout. The upper contact shows light-grey cBx textures.					t		t				w		w					
			50.06	93.00	42.94	LST			Grey, fine-grained LST. Upper contact has very broken core along the foliation with minor oxidation and gouge material. The less broken core tends to be marbleized and is lighter grey. Weak pyrite and pyrrhotite occur along the foliation as anhedral elongated masses and are also associated with intruding calcite. The sulphides are associated with a grey stylo-mottled texture and often bound fossils.					t		t				w		w					
									Foliation is defined by a strained fabric with minor oxide stain.	FO	45																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									Grey calcite vein that is undulating from 45 to 0 TCA.	VN	45																
			93.00	110.70	17.70	LST			Grey to dark grey fine-grained limestone with minor oxide staining associated with broken core along a foliation. No sulphide mineralization in this unit aside from possibly oxidized reddish pyrite grains. Coarse white calcite occurs pre-strain and is cut by a grey calcite. Along the foliation there are interfingerings of slightly sericitized and oxidized volcaniclastic material (?) and gougy material.							w		SER	w							
									Moderately defined foliation along the strained fabric.	FO	62																
									The lCN gradationally interfingers with sericite and oxidized wispy units resembling slightly oxidized silty gouge. A small pre-strain quartz vein also occurs at the lower contact.	lCN																
			110.70	120.00	9.30	LST	OX		Moderately strong oxidation of limestone with interbedded sericitized wisps of pale yellow volcaniclastic (?).							ms										
									Moderate to strong foliation defined by strained fabric.	FO	35																
			120.00	131.49	11.49	LST			Light to medium grey FO banded LST. Light grey bands are FG, spotted white and black texture (MBL alteration?). Dark grey layers are vFG with homogenous grey colour. White Ca VT and MG white and black spotted VT follow FO. Trace Qz VT occur at irregular orientations throughout the interval. Orange brown FG alteration coats FX and following FO. Overall the interval is very broken up.							t		MBL	f							
									The foliation is locally irregular and often undulatory.	FO	40																
			131.49	155.09	23.60	LST			Medium grey, very broken, FG LST with orange brown to dark red brown FG alteration on FX, following FO, and pervasive through core sections up to 5 cm wide. Zones of light grey FG white and black spotted Ca occur throughout (MBL alteration?). White and black spotted MG Ca VT and white FG Ca VT generally follow FO. Rubble zones up to 50 cm long occur intermittently throughout.	FO	40						m		MBL	m							
			146.91	149.96	3.05	LST	SHL		Very rubbly LST rich in dark red brown to grey platy shaley layers following FO. The shaley material is the matrix to rounded LST clasts. The unit fizzes weakly therefore is likely dolomitized.	FO	40			m														

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			150.90	151.49	0.59	LST			Medium grey with weak orange brown alteration patches pervasive in core. VOL rich LST?																		
			155.09	157.36	2.27	LST	MBL		Light grey intensely MBL LST that is very broken with orange-brown to medium brown alteration in clay zones associated with medium grey seams and pervasive throughout some sections of the core.									MBL	i								
157.36	196.62	39.26				VOL			Medium green-grey to dark grey, FG, FO VOL. The unit starts off magnetic and becomes less so with depth. The unit contains thin Ca VT throughout. A zone of moderately strong OX iteration occurs within.	FO	60																
			157.36	166.73	9.37	VOL	Mg		Medium green-grey, FG VOL with FG white Ca spots elongated along the FO. White Ca VT generally following the FO occur throughout. The interval contains weak concentrations of black very fine grained magnetite patches.	FO	60														Mg	w		
			166.12	166.73	0.61	VOL	Mg		Dark grey VOL, with increased magnetite content and Ca veining at irregular orientations. The lCN is gradational.	VT			10											Mg	m		
			166.73	168.31	1.58	VOL	OX	CGL	Light orange, yellow and green grey, FG VOL CGL with intense SER alteration and moderate strong OX alteration. Alteration variations highlight light yellow elongate clasts in green-grey matrix. This interval is non-magnetic and non-calcareous. Fractures are generally aligned along the FO and have a yellow sheen on their surfaces. Both the upper and lower contacts are gradational.	FO	60					ms		SER	I							
			168.31	172.64	4.33	VOL			Dark grey, FG VOL with buff SER altered sections. Weak fine grained disseminated magnetite occurs in the groundmass. Ca veinlets and patches occur throughout, but become slightly oxidized after 17.5 m. The conglomerate clasts do not occur throughout, rather they occur in zones and can reach up to 4 cm in diameter.															Mg	w		
			172.00	172.52	0.52	VOL	RBL		Very broken, FG dark grey weakly calcareous VOL that is weakly magnetic. Possible FLT.	FLT																	
			172.64	189.32	16.68	VOL	CGL		Gradational uCN into medium green-grey FG non magnetic VOL with <2 cm diameter Ca spots and clasts of varying colour (white, buff, orange) elongate with the FO. These spots do not appear to be amygdules. Trace irregular Qz is associated with bright orange Ca.	FO	60																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			174.00	189.32	15.32	VOL			Interval containing intense Ca veining. The veinlets generally follow the foliation at 60 deg TCA.	VT			10														
			174.00	189.32	15.32	VOL			Green to deep pale green, fine to medium-grainec foliated volcaniclastic. 1 mm scale and elongated Ca clasts are overprinted by a rusty coloured oxide stair generally rimming the calcite. The lower contact becomes more heavily fractured and oxidized especially in the gouge that often forms in the fractures.																		
									Foliation is defined by elongation of clasts and a pervasive strong strain fabric.	FO	60																
									Ca Vns occur throughout and undulate with the strain fabric.	VN	60	0	3														
189.32	196.62	7.30				VOL	OX		Highly oxidized and sericitized orange to rusty coloured and foliated volcanic unit. This unit has abundant broken core with rusty orange gouge along the fractures.							i		ser	i							
196.62	237.60	40.98				MBL			White to light grey banded and highly strained MBL. Foliation is grey and sinuous to folded bands, cryptic, likely old foliation structure before marbleization. The uCN is sharp with the oxidized volcaniclastic. Overall the core is very broken and often has 1-4 cm intervals of rusty OX gouge along fractures. The there is a gradational increase in gouge content deeper in the unit.							m				t							
									Strong foliation occurs in the MBL	FO	40																
237.60	243.23	5.63				OX			Rusty orange to deep brown competent and silty oxide unit. Some darker brown portions are more gritty and don't hold the shape of the core well.																	
243.23	248.72	5.49				MBL	OX		White to rusty coloured rubbly marble with rusty staining. Sections of broken core are associated with intense rusty colour and grittier material.							w										

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
248.72	263.96	15.24				OX			Deep red to brown to grey soft and silty yet competent oxide. The deeper brown the rock is the more rubbly to gritty it becomes. Minor sections of rubbly weathered quartz occur. Portions of more competent rock within the oxide appear to be the leopard unit, highly calcareous and foliated with biotite and calcite. Deep red and deep green foliations are present on the leopard unit. The leopard rock fractures easily.																			
									Foliation is defined by green to red tabular clasts.	FO	45																
263.96	269.14	5.18				LEP			Grey to light grey foliated leopard unit with moderate foliation. The unit has broken core which is accompanied by gouge and gritty oxide material.							m										
									There is a weak to moderate foliation present in the unit. Occasional oxide stain occurs along the FO.	FO	55																
									269.14 m - E.O.H. The hole was ended because the hole was past the targeted oxide horizon.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-97

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
26.00	28.20	2.20	LST		1.89	86	I076168	47	<0.01	0.05	11	0.09	
28.20	30.00	1.80	VOL		1.80	100	I076169	47	0.01	3.61	82	4.08	
30.00	32.00	2.00	VOL		2.00	100	I076170	47	<0.01	0.12	1	0.10	
79.00	82.00	3.00	LST		2.91	97	I076171	47	0.01	0.01	<5	0.06	
105.21	108.21	3.00	LST		2.82	94	I076172	47	<0.01	0.25	34	4.66	
108.21	110.70	2.49	LST		2.22	89	I076173	47	<0.01	0.06	5	0.95	
110.70	112.00	1.30	LST		1.04	80	I076174	47	<0.01	0.19	20	2.26	
112.00	115.00	3.00	LST		2.41	80	I076175	47	<0.01	0.11	6	0.45	
150.90	151.49	0.59	LST		0.59	100	I076183	47	<0.01	0.11	7	0.03	Change in sequence
151.49	153.00	1.51	LST		1.22	81	I076184	47	<0.01	0.07	11	0.02	
153.00	155.09	2.09	LST		1.99	95	I076185	47	<0.01	0.04	7	0.01	
155.09	157.36	2.27	LST		2.10	93	I076186	47	<0.01	0.09	14	0.01	
157.36	159.11	1.75	VOL		1.45	83	I076187	47	<0.01	0.25	5	0.01	
159.11	162.15	3.04	VOL		2.98	98	I076188	47	<0.01	0.21	5	0.02	
162.15	163.67	1.52	VOL		1.47	97	I076190	47	<0.01	0.23	3	0.03	
163.67	166.73	3.06	VOL		2.97	97	I076191	47	0.01	0.20	3	0.03	
166.73	168.31	1.58	VOL		1.50	95	I076192	47	<0.01	0.27	64	3.65	
168.31	171.30	2.99	VOL		2.96	99	I076193	48	<0.01	0.21	4	0.14	
171.30	172.64	1.34	VOL		1.20	90	I076194	48	0.01	0.16	2	0.04	
172.64	174.35	1.71	VOL		1.49	87	I076195	48	<0.01	0.16	2	0.04	
174.35	177.39	3.04	VOL		3.03	100	I076196	48	<0.01	0.17	2	0.06	
184.00	187.00	3.00	VOL		2.70	90	I076197	48	<0.01	0.17	9	0.04	
187.00	189.32	2.32	VOL		1.65	71	I076198	48	0.01	0.24	26	0.11	
189.32	192.00	2.68	VOL		2.10	78	I076199	48	0.02	0.19	140	1.15	
192.00	194.00	2.00	VOL		1.88	94	I076200	48	0.03	0.55	676	7150.00	
194.00	196.62	2.62	VOL		2.25	86	I076201	48	0.01	0.45	1570	877.00	
196.62	200.15	3.53	MBL		1.73	49	I076202	48	0.02	0.10	303	3.41	
200.15	203.00	2.85	MBL		2.42	85	I076203	48	0.04	0.15	526	1.02	
220.07	221.59	1.52	MBL		0.95	62	I076248	49	0.02	0.27	563	0.60	Break in sequence
221.59	223.11	1.52	MBL		1.19	78	I076249	49	0.01	0.10	234	0.13	
223.11	224.64	1.53	MBL		1.52	99	I076250	49	0.03	2.39	2080	4.84	
224.64	226.16	1.52	MBL		1.22	80	I076251	49	0.02	0.27	472	0.20	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
226.16	228.60	2.44	MBL		1.73	71	I076252	49	0.01	0.39	1220	0.64	
228.60	229.21	0.61	MBL		0.41	67	I076253	49	0.01	0.31	757	0.19	
229.21	230.43	1.22	MBL		0.82	67	I076255	49	0.02	0.45	1420	0.76	
230.43	231.95	1.52	MBL		1.27	84	I076256	49	0.01	0.19	378	0.37	
231.95	233.48	1.53	MBL		1.09	71	I076257	49	0.03	0.40	1380	1.62	
233.48	233.78	0.30	MBL		0.27	90	I076258	49	0.02	0.24	661	0.50	
233.78	234.54	0.76	MBL		0.55	72	I076259	49	0.03	0.17	469	0.28	
234.54	235.31	0.77	MBL		0.62	81	I076260	49	0.03	0.23	1020	0.55	
235.31	235.92	0.61	MBL		0.55	90	I076265	50	0.02	0.30	1050	0.43	Break in sequence
235.92	236.52	0.60	MBL		0.29	48	I076266	50	0.01	0.30	1250	0.46	
236.52	238.35	1.83	MBL		1.04	57	I076267	50	0.02	0.50	1190	0.56	
238.35	239.88	1.53	OX		1.09	71	I076268	50	0.03	0.69	1100	0.62	
239.88	240.79	0.91	OX		0.64	70	I076269	50	0.03	4.99	4260	63.10	
240.79	241.40	0.61	OX		0.57	93	I076270	50	<0.01	0.83	1610	11.15	
241.40	242.16	0.76	OX		0.53	70	I076271	50	<0.01	0.36	869	2.04	
242.16	242.62	0.46	OX		0.46	100	I076272	50	0.23	0.58	2280	2.45	
242.62	243.53	0.91	OX		0.72	79	I076274	50	0.02	0.84	2600	2.16	
243.53	244.14	0.61	MBL	OX	0.60	98	I076275	50	0.01	0.16	149	0.08	
244.14	244.60	0.46	MBL	OX	0.31	67	I076276	50	0.01	0.56	604	0.14	
244.60	245.06	0.46	MBL	OX	0.46	100	I076277	50	0.01	0.23	236	0.06	
245.06	245.82	0.76	MBL	OX	0.33	43	I076278	50	0.01	0.54	770	0.16	
245.82	246.41	0.59	MBL	OX	0.44	75	I076279	50	0.01	0.45	797	0.10	
246.41	247.35	0.94	MBL	OX	0.74	79	I076280	50	0.01	0.30	637	0.12	
247.35	248.72	1.37	MBL	OX	0.82	60	I076282	50	0.02	0.49	1370	0.08	
248.72	249.94	1.22	OX		0.54	44	I076283	50	<0.01	0.65	1650	2.56	
249.94	250.55	0.61	OX		0.22	36	I076284	50	0.01	3.49	2320	0.18	
250.55	252.37	1.82	OX		1.52	84	I076318	51	0.01	2.24	2410	1.70	Break in sequence
252.37	252.83	0.46	OX		0.45	98	I076319	51	0.07	7.04	3090	3.16	
252.83	253.29	0.46	OX		0.15	33	I076320	51	0.17	1695.00	2370	2.77	
253.29	253.90	0.61	OX		0.43	70	I076321	51	0.06	5.43	4480	1.52	
253.90	254.51	0.61	OX		0.61	100	I076322	51	0.03	4.54	5870	2.41	
254.51	255.42	0.91	OX		0.89	98	I076323	51	0.03	6.37	6390	1630.00	
255.42	255.72	0.30	OX		0.20	67	I076324	51	0.05	7.03	2860	1040.00	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
255.72	256.64	0.92	OX		0.91	99	I076325	51	0.10	11.00	3440	6270.00	
256.64	257.86	1.22	OX		1.14	93	I076327	51	0.05	9.90	793	2520.00	
257.86	258.93	1.07	OX		0.80	75	I076328	51	0.01	10.15	5020	882.00	
258.93	259.45	0.52	OX		0.52	100	I076329	51	0.01	9.53	2400	68.70	
259.45	260.15	0.70	OX		0.70	100	I076330	51	0.01	6.37	1850	6.39	
260.15	260.91	0.76	OX		0.76	100	I076331	51	0.02	10.65	3460	10.90	
260.91	261.67	0.76	OX		0.76	100	I076332	51	0.22	2.18	616	4.57	
261.67	262.43	0.76	OX		0.76	100	I076333	51	0.02	6.18	2780	6.85	
262.43	263.96	1.53	OX		1.53	100	I076334	51	0.02	1.59	1480	1.38	
263.96	265.02	1.06	LEP		1.06	100	I076337	52	<0.01	0.26	81	0.23	
265.02	266.09	1.07	LEP		1.07	100	I076338	52	<0.01	1.37	91	0.15	
266.09	267.46	1.37	LEP		1.37	100	I076339	52	0.02	0.93	350	0.12	
-	-	-	-	-	-	-	I076176	47	0.37	7.47	1	1.46	Standard ROS-1
-	-	-	-	-	-	-	I076189	47	<0.01	0.01	6	0.02	Blank (NQ)
-	-	-	-	-	-	-	I076204	48	<0.01	0.02	7	0.21	Blank (NQ)
-	-	-	-	-	-	-	I076254	49	<0.01	0.01	16	0.03	Blank (NQ)
-	-	-	-	-	-	-	I076261	49	0.34	7.13	3	1.27	Standard ROS-1
-	-	-	-	-	-	-	I076273	50	1.37	0.59	77	1.28	Standard ROS-2
-	-	-	-	-	-	-	I076281	50	<0.01	<0.01	<5	0.02	Blank (HQ)
255.72	256.64	0.92	OX		0.91	99	I076326	51	0.14	15.30	5080	6790.00	Duplicate
-	-	-	-	-	-	-	I076335	51	8.26	41.50	8	0.89	Standard ROS-4
-	-	-	-	-	-	-	I076336	51	0.01	0.03	<5	0.08	Blank (NQ)

GEOTECHNICAL LOG

HOLE: Rau-10-97

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
2.60	3.66	1.06	1.06	100	0.23	22	MS	SW		
3.66	5.18	1.52	1.46	96	1.01	66	MS	SW		
5.18	6.71	1.53	1.53	100	0.37	24	MS	SW		
6.71	8.23	1.52	1.52	100	0.27	18	MS	FR		
8.23	9.75	1.52	1.49	98	0.79	52	MS	FR		
9.75	11.27	1.52	1.52	100	1.27	84	MS	FR		
11.27	12.80	1.53	1.49	97	1.24	81	MS	FR		
12.80	14.33	1.53	1.51	99	0.47	31	MS	FR		
14.33	15.85	1.52	1.48	97	1.05	69	MS	FR		
15.85	17.37	1.52	1.47	97	1.05	69	MS	FR		
17.37	18.90	1.53	1.37	90	0.30	20	MS	FR		
18.90	20.42	1.52	1.50	99	0.78	51	MS	FR		
20.42	21.95	1.53	1.53	100	1.23	80	MS	FR		
21.95	23.47	1.52	1.52	100	0.90	59	MS	FR		
23.47	24.99	1.52	1.52	100	0.85	56	MS	FR		
24.99	26.52	1.53	1.52	99	1.32	86	MS	FR		
26.52	28.04	1.52	1.31	86	0.88	58	MS	FR		
28.04	29.57	1.53	0.95	62	0.00	0	W	HW		
29.57	31.09	1.52	1.45	95	0.67	44	MS	SW		
31.09	32.61	1.52	1.51	99	1.50	99	MS	SW		
32.61	34.14	1.53	1.48	97	1.48	97	MS	SW		
34.14	35.66	1.52	1.52	100	1.52	100	MS	SW		
35.66	37.19	1.53	1.39	91	0.98	64	MS	FR		
37.19	38.71	1.52	1.52	100	0.83	55	MS	FR		
38.71	40.23	1.52	1.42	93	0.78	51	MS	FR		
40.23	41.76	1.53	1.53	100	1.29	84	MS	SW		
41.76	43.28	1.52	1.46	96	1.05	69	MS	SW		
43.28	44.81	1.53	1.53	100	0.90	59	MS	SW		
44.81	46.33	1.52	1.40	92	1.24	82	MS	SW		
46.33	47.85	1.52	1.52	100	0.54	36	MS	FR		
47.85	49.38	1.53	1.53	100	0.66	43	MS	FR		
49.38	50.90	1.52	1.52	100	1.36	89	MS	FR		
50.90	52.42	1.52	1.51	99	0.16	11	MS	SW		
52.42	53.95	1.53	1.53	100	0.10	7	MS	SW		
53.95	55.47	1.52	1.38	91	1.10	72	MS	SW		
55.47	57.00	1.53	1.53	100	1.42	93	MS	FR		
57.00	58.52	1.52	1.52	100	1.52	100	MS	FR		
58.52	60.04	1.52	1.52	100	1.52	100	MS	FR		
60.04	61.57	1.53	1.46	95	1.44	94	MS	FR		
61.57	63.09	1.52	1.52	100	1.50	99	MS	FR		
63.09	64.62	1.53	1.43	93	1.43	93	MS	FR		
64.62	66.14	1.52	1.52	100	1.40	92	MS	FR		
66.14	67.67	1.53	1.50	98	1.32	86	MS	SW		
67.67	69.19	1.52	1.52	100	1.20	79	MS	SW		
69.19	70.71	1.52	1.48	97	1.20	79	MS	SW		
70.71	72.24	1.53	1.53	100	1.52	99	MS	SW		
72.24	73.76	1.52	1.43	94	1.43	94	MS	SW		
73.76	75.29	1.53	1.53	100	1.40	92	MS	SW		
75.29	76.81	1.52	1.49	98	1.38	91	MS	SW		
76.81	78.33	1.52	1.52	100	1.32	87	MS	SW		
78.33	79.86	1.53	1.50	98	1.03	67	MS	SW		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
79.86	81.38	1.52	1.52	100	1.14	75	MS	SW		
81.38	82.91	1.53	1.45	95	1.35	88	MS	SW		
82.91	84.43	1.52	1.52	100	1.38	91	MS	SW		
84.43	85.95	1.52	1.52	100	1.31	86	MS	SW		
85.95	87.48	1.53	1.51	99	1.19	78	MS	SW		
87.48	89.00	1.52	1.50	99	1.44	95	MS	SW		
89.00	90.53	1.53	1.53	100	1.53	100	MS	SW		
90.53	92.05	1.52	1.48	97	1.48	97	MS	SW		
92.05	93.57	1.52	1.48	97	1.17	77	MS	SW		
93.57	95.10	1.53	1.47	96	1.47	96	MS	SW		
95.10	96.62	1.52	1.52	100	1.41	93	MS	SW		
96.62	98.15	1.53	1.40	92	1.30	85	MS	SW		
98.15	99.67	1.52	1.52	100	1.45	95	MS	SW		
99.67	101.19	1.52	1.45	95	1.11	73	MS	SW		
101.19	102.72	1.53	1.53	100	0.76	50	MS	SW		
102.72	104.24	1.52	1.46	96	1.02	67	W	MW		
104.24	105.77	1.53	1.53	100	0.31	20	VW	HW		
105.77	107.29	1.52	1.31	86	0.11	7	VW	HW		
107.29	108.81	1.52	1.52	100	0.59	39	VW	HW		
108.81	110.34	1.53	1.38	90	0.99	65	MS	SW		
110.34	111.86	1.52	1.42	93	0.64	42	W	MW		
111.86	113.39	1.53	1.36	89	0.24	16	VW	HW		
113.39	114.91	1.52	1.47	97	0.46	30	VW	HW		
114.91	116.43	1.52	1.31	86	0.66	43	W	MW		
116.43	117.96	1.53	1.52	99	0.62	41	W	MW		
117.96	119.48	1.52	1.30	86	0.18	12	W	MW		
119.48	121.01	1.53	1.42	93	0.78	51	W	MW		
121.01	121.92	0.91	0.82	90	0.17	19	MS	SW		
121.92	122.53	0.61	0.60	98	0.00	0	W	SW		
122.53	122.99	0.46	0.00	0	0.00	0	N/A	N/A		
122.99	124.05	1.06	0.90	85	0.00	0	W	SW		
124.05	125.58	1.53	0.89	58	0.10	7	W	SW		
125.58	126.49	0.91	0.84	92	0.00	0	W	SW		
126.49	128.02	1.53	1.39	91	0.64	42	MS	FR		
128.02	128.63	0.61	0.42	69	0.17	28	MS	FR		
128.63	130.15	1.52	1.30	86	0.54	36	MS	FR		
130.15	131.67	1.52	1.50	99	0.70	46	MS	FR		
131.67	133.20	1.53	1.15	75	0.34	22	MS	FR		
133.20	134.72	1.52	1.24	82	0.14	9	W	SW		
134.72	136.25	1.53	1.33	87	0.00	0	W	SW		
136.25	137.77	1.52	1.27	84	0.00	0	W	SW		
137.77	139.30	1.53	1.21	79	0.25	16	W	SW		
139.30	140.82	1.52	1.00	66	0.00	0	W	SW		
140.82	142.34	1.52	1.21	80	0.00	0	W	SW		
142.34	143.86	1.52	1.35	89	0.21	14	MS	FR		
143.86	145.39	1.53	1.11	73	0.00	0	W	MW		
145.39	146.91	1.52	1.24	82	0.27	18	W	SW		
146.91	148.44	1.53	1.13	74	0.11	7	W	SW		
148.44	149.96	1.52	1.06	70	0.00	0	VW	VW		
149.96	151.49	1.53	1.34	88	0.83	54	W	SW		
151.49	153.00	1.51	1.22	81	0.26	17	VW	MW		
153.00	154.53	1.53	1.43	93	0.77	50	MS	MW		
154.53	156.06	1.53	1.38	90	0.30	20	VW	VW		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
156.06	157.58	1.52	1.31	86	0.15	10	VW	VW		
157.58	159.11	1.53	1.40	92	0.54	35	W	SW		
159.11	162.15	3.04	2.98	98	2.15	71	MS	FR		
162.15	163.67	1.52	1.47	97	0.69	45	MS	FR		
163.67	165.20	1.53	1.50	98	0.90	59	MS	FR		
165.20	166.73	1.53	1.47	96	1.16	76	MS	FR		
166.73	168.25	1.52	1.37	90	0.37	24	VW	VW		
168.25	169.77	1.52	1.48	97	0.16	11	W	SW		
169.77	171.30	1.53	1.50	98	0.98	64	MS	SW		
171.30	172.52	1.22	0.95	78	0.15	12	VW	MW		
172.52	173.74	1.22	1.20	98	0.18	15	W	SW		
173.74	174.35	0.61	0.45	74	0.35	57	MS	FR		
174.35	175.87	1.52	1.51	99	1.10	72	MS	SW		
175.87	177.39	1.52	1.52	100	1.10	72	MS	MW		
177.39	178.92	1.53	0.50	33	0.43	28	MS	FR		
178.92	180.44	1.52	1.40	92	1.19	92	MS	FR		
180.44	181.97	1.53	1.53	100	1.09	100	MS	FR		
181.97	183.49	1.52	1.48	97	0.74	97	MS	MW		
183.49	185.01	1.52	1.46	96	0.93	96	W	MW		
185.01	186.23	1.22	1.06	87	0.14	87	W	MW		
186.23	187.76	1.53	1.05	69	0.00	69	W	MW		
187.76	188.52	0.76	0.70	92	0.00	92	W	VW		
188.52	189.52	1.00	0.95	95	0.27	95	W	VW		
189.52	191.11	1.59	1.00	63	0.00	63	W	VW		
191.11	192.63	1.52	1.47	97	0.00	97	W	VW		
192.63	194.16	1.53	1.40	92	0.00	92	W	MW		
194.16	195.68	1.52	1.12	74	0.00	74	W	MW		
195.68	196.90	1.22	1.12	92	0.00	92	W	MW		
196.90	198.52	1.62	0.75	46	0.00	46	W	MW		
198.52	198.73	0.21	0.21	100	0.00	100	W	MW		
198.73	199.95	1.22	0.98	80	0.00	80	W	MW		
199.95	201.63	1.68	1.33	79	0.54	79	W	MW		
201.63	203.21	1.58	1.29	82	0.14	82	W	MW		
203.21	204.83	1.62	1.42	88	0.16	88	W	MW		
204.83	206.35	1.52	1.36	89	0.35	89	W	MW		
206.35	207.87	1.52	1.41	93	0.11	93	W	MW		
207.87	209.40	1.53	1.46	95	0.32	95	W	MW		
209.40	210.92	1.52	1.23	81	0.13	81	W	MW		
210.92	212.45	1.53	1.41	92	0.33	92	W	MW		
212.45	213.97	1.52	1.46	96	1.46	96	MS	FR		
213.97	215.49	1.52	1.30	86	1.14	86	MS	FR		
215.49	217.02	1.53	0.78	51	0.16	51	MS	SW		
217.02	218.54	1.52	1.28	84	0.60	84	W	MW		
218.54	220.07	1.53	1.35	88	0.12	88	W	MW		
220.07	221.59	1.52	0.95	62	0.00	62	W	VW		
221.59	223.11	1.52	1.19	78	0.25	78	W	MW		
223.11	224.64	1.53	1.52	99	0.00	99	EW	EW	7.5YR 6/6	Oxide
224.64	226.16	1.52	1.22	80	0.38	80	W	VW		
226.16	227.38	1.22	1.02	84	0.10	84	W	VW	7.5YR 6/6	Oxide
227.38	228.60	1.22	0.74	61	0.00	61	EW	EW	7.5YR 6/6	Oxide
228.60	229.21	0.61	0.41	67	0.00	67	EW	EW	7.5YR 6/6	Oxide
229.21	230.43	1.22	0.82	67	0.00	67	EW	EW		
230.43	231.95	1.52	1.27	84	0.44	84	W	MW		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
231.95	233.48	1.53	1.09	71	0.00	71	EW	EW		
233.48	233.78	0.30	0.27	90	0.00	90	EW	EW		
233.78	234.54	0.76	0.55	72	0.00	72	EW	EW		
234.54	235.31	0.77	0.62	81	0.00	81	EW	EW		
235.31	235.92	0.61	0.56	92	0.00	92	EW	EW		
235.92	236.52	0.60	0.29	48	0.00	48	W	HW		
236.52	238.35	1.83	1.11	61	0.00	61	EW	EW	5YR 6/6	Oxide
238.35	239.88	1.53	1.12	73	0.00	73	EW	EW	10YR 5/6	Oxide
239.88	240.79	0.91	0.59	65	0.00	65	EW	EW	10R 3/4	Oxide
240.79	241.40	0.61	0.61	100	0.00	100	EW	EW	2.5YR 4/8	Oxide
241.40	242.16	0.76	0.49	64	0.00	64	EW	EW		
242.16	242.62	0.46	0.46	100	0.00	100	EW	EW	10R 4/6	Oxide
242.62	243.53	0.91	0.68	75	0.00	75	EW	EW		
243.53	244.14	0.61	0.56	92	0.42	92	MS	MW		
244.14	244.60	0.46	0.34	74	0.00	74	MS	MW		
244.60	245.06	0.46	0.46	100	0.31	100	MS	SW		
245.06	245.82	0.76	0.30	39	0.00	39	W	MW		
245.82	246.43	0.61	0.48	79	0.00	79	W	HW		
246.43	247.35	0.92	0.70	76	0.00	76	W	HW		
247.35	248.72	1.37	0.75	55	0.00	55	W	HW		
248.72	249.94	1.22	0.54	44	0.00	44	W	MW	10R 4/4	Oxide
249.94	250.55	0.61	0.20	33	0.00	33	EW	EW		
250.55	252.07	1.52	1.35	89	0.00	89	W	HW	10R 5/4	Oxide
252.07	252.37	0.30	0.15	50	0.00	50	EW	EW	10R 4/4	Oxide
252.37	252.83	0.46	0.44	96	0.00	96	EW	EW	10R 5/8	Oxide
252.83	253.29	0.46	0.17	37	0.00	37	EW	EW	10R 5/8	Oxide
253.29	253.90	0.61	0.42	69	0.00	69	EW	EW	10R 5/8	Oxide
253.90	254.51	0.61	0.61	100	0.00	100	EW	EW	2.5YR 5/8	Oxide
254.51	255.42	0.91	0.90	99	0.00	99	EW	EW	2.5YR 5/8	Oxide
255.42	255.72	0.30	0.25	83	0.00	83	EW	EW	2.5YR 5/8	Oxide
255.72	256.64	0.92	0.90	98	0.00	98	EW	EW	7.5YR 7/8	Oxide
256.64	257.80	1.16	1.15	99	0.00	99	EW	EW	Gley1 7/N	Oxide
257.80	258.93	1.13	0.81	72	0.00	72	EW	EW	10R 4/8	Oxide
258.93	259.45	0.52	0.47	90	0.00	90	EW	EW	2.5YR 4/8	Oxide
259.45	260.15	0.70	0.63	90	0.00	90	EW	EW	2/5YR 4/8	Oxide
260.15	261.67	1.52	0.52	34	0.00	34	EW	EW	Gley1 8/N	Oxide
261.67	262.43	0.76	0.60	79	0.00	79	EW	EW	7.5YR 6/8	Oxide
262.43	263.96	1.53	1.53	100	0.25	100	W	HW	7.5YR 6/8	Oxide
263.96	265.02	1.06	0.92	87	0.48	87	MS	SW		
265.02	266.09	1.07	0.85	79	0.53	79	MS	MW		
266.09	267.46	1.37	1.12	82	0.60	82	MS	MW		
267.46	268.83	1.37	0.92	67	0.43	67	MS	MW		
268.83	269.14	0.31	0.16	52	0.10	52	MS	FR		
269.14	E.O.H.									

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-97

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00			N/A	
2.00			N/A	
3.00	LST		4.99	
4.00	LST		0.03	
5.00	LST		0.01	
6.00	LST		0.16	
7.00	LST		0.23	
8.00	LST		0.00	
9.00	LST		0.01	
10.00	LST		0.14	
11.00	LST		0.03	
12.00	LST		0.00	
13.00	MBL	LST	0.00	
14.00	MBL	LST	0.00	
15.00	MBL	LST	0.21	
16.00	MBL	LST	0.00	
17.00	LST		0.00	
18.00	LST		0.05	
19.00	LST		0.00	
20.00	LST		0.03	
21.00	LST		0.00	
22.00	LST		0.00	
23.00	LST		0.23	
24.00	LST		0.00	
25.00	LST		0.00	
26.00	LST		0.00	
27.00	LST		0.07	
28.00	LST		0.00	
29.00	VOL		0.29	
30.00	VOL		1.24	
31.00	VOL		1.22	
32.00	VOL		1.32	
33.00	VOL		1.37	
34.00	VOL		0.89	
35.00	VOL		1.02	
36.00	VOL		0.43	
37.00	VOL	CGL	0.85	
38.00	VOL	CGL	0.92	
39.00	VOL	CGL	0.87	
40.00	VOL		0.94	
41.00	VOL		0.13	
42.00	VOL		0.60	
43.00	VOL	CGL	0.28	
44.00	VOL	CGL	0.73	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	VOL	CGL	0.42	
46.00	VOL	CGL	0.57	
47.00	VOL		0.63	
48.00	VOL		0.65	
49.00	VOL		0.55	
50.00	VOL		0.50	
51.00	LST		0.95	
52.00	LST		0.10	
53.00	LST		0.00	
54.00	LST		0.00	
55.00	LST		0.00	
56.00	LST		0.00	
57.00	LST		0.00	
58.00	LST		0.00	
59.00	LST		0.00	
60.00	LST		0.00	
61.00	LST		0.00	
62.00	LST		0.00	
63.00	LST		0.00	
64.00	LST		0.00	
65.00	LST		0.00	
66.00	LST		0.00	
67.00	LST		0.06	
68.00	LST		0.00	
69.00	LST		0.78	
70.00	LST		0.00	
71.00	LST		0.25	
72.00	LST		0.30	
73.00	LST		0.00	
74.00	LST		0.30	
75.00	LST		0.68	
76.00	LST		0.72	
77.00	LST		1.52	
78.00	LST		0.63	
79.00	LST		0.30	
80.00	LST		0.00	
81.00	LST		0.47	
82.00	LST		0.50	
83.00	LST		0.45	
84.00	LST		0.36	
85.00	LST		0.38	
86.00	LST		0.30	
87.00	LST		0.00	
88.00	LST		0.16	
89.00	LST		0.21	
90.00	LST		0.18	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	LST		0.18	
92.00	LST		0.00	
93.00	LST		0.06	
94.00	LST		0.10	
95.00	LST		0.00	
96.00	LST		0.23	
97.00	LST		0.10	
98.00	LST		0.00	
99.00	LST		0.00	
100.00	LST		0.00	
101.00	LST		0.00	
102.00	LST		0.00	
103.00	LST		0.00	
104.00	LST		0.00	
105.00	LST		0.00	
106.00	LST		0.05	
107.00	LST		0.11	
108.00	LST		0.26	
109.00	LST		0.01	
110.00	LST		0.00	
111.00	LST	OX	0.00	
112.00	LST	OX	0.05	
113.00	LST	OX	0.00	
114.00	LST	OX	0.28	
115.00	LST	OX	0.21	
116.00	LST	OX	0.43	
117.00	LST	OX	0.42	
118.00	LST	OX	0.16	
119.00	LST	OX	0.00	
120.00	LST	OX	0.00	
121.00	LST		0.00	
122.00	LST		0.00	
123.00	LST		0.12	
124.00	LST		0.00	
125.00	LST		0.89	
126.00	LST		0.00	
127.00	LST		0.00	
128.00	LST		0.00	
129.00	LST		0.00	
130.00	LST		0.00	
131.00	LST		0.00	
132.00	LST		0.00	
133.00	LST		0.00	
134.00	LST		0.07	
135.00	LST		0.00	
136.00	LST		0.23	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	LST		0.00	
138.00	LST		0.03	
139.00	LST		0.00	
140.00	LST		0.00	
141.00	LST		0.00	
142.00	LST		0.00	
143.00	LST		0.00	
144.00	LST		0.00	
145.00	LST		0.00	
146.00	LST		0.00	
147.00	LST		0.00	
148.00	LST		0.00	
149.00	LST		0.00	
150.00	LST		0.00	
151.00	LST		0.00	
152.00	LST		0.00	
153.00	LST		0.00	
154.00	LST		0.00	
155.00	LST		0.01	
156.00	LST		0.93	
157.00	LST		0.32	
158.00	VOL		8.23	
159.00	VOL		31.30	
160.00	VOL		11.90	
161.00	VOL		8.16	
162.00	VOL		13.20	
163.00	VOL		25.30	
164.00	VOL		48.00	
165.00	VOL		40.60	
166.00	VOL		86.70	
167.00	VOL		0.32	
168.00	VOL		0.89	
169.00	VOL		92.40	
170.00	VOL		42.00	
171.00	VOL		6.88	
172.00	VOL		15.90	
173.00	VOL		0.53	
174.00	VOL		1.22	
175.00	VOL		0.05	
176.00	VOL		0.12	
177.00	VOL		0.49	
178.00	VOL		0.33	
179.00	VOL		0.49	
180.00	VOL		0.31	
181.00	VOL		0.34	
182.00	VOL		0.47	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00	VOL		0.34	
184.00	VOL		0.29	
185.00	VOL		0.20	
186.00	VOL		0.25	
187.00	VOL		0.31	
188.00	VOL		0.45	
189.00	VOL		0.09	
190.00	VOL		0.38	
191.00	VOL		0.10	
192.00	VOL		0.00	
193.00	VOL		0.00	
194.00	VOL		0.34	
195.00	VOL		0.56	
196.00	VOL		0.09	
197.00	MBL		0.34	
198.00	MBL		0.09	
199.00	MBL		0.03	
200.00	MBL		0.00	
201.00	MBL		0.00	
202.00	MBL		0.07	
203.00	MBL		0.00	
204.00	MBL		0.00	
205.00	MBL		0.00	
206.00	MBL		0.00	
207.00	MBL		0.00	
208.00	MBL		0.07	
209.00	MBL		0.00	
210.00	MBL		1.02	
211.00	MBL		0.00	
212.00	MBL		0.10	
213.00	MBL		0.00	
214.00	MBL		89.00	
215.00	MBL		0.25	
216.00	MBL		0.00	
217.00	MBL		0.00	
218.00	MBL		0.00	
219.00	MBL		0.31	
220.00	MBL		0.38	
221.00	MBL		0.00	
222.00	MBL		0.00	
223.00	MBL		0.00	
224.00	MBL		0.95	
225.00	MBL		0.00	
226.00	MBL		0.00	
227.00	MBL		0.00	
228.00	MBL		0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
229.00	MBL		0.09	
230.00	MBL		0.53	
231.00	MBL		0.00	
232.00	MBL		0.00	
233.00	MBL		0.03	
234.00	MBL		0.00	
235.00	MBL		0.43	
236.00	MBL		0.00	
237.00	MBL		0.00	
238.00	OX		0.00	
239.00	OX		0.00	
240.00	OX		0.00	
241.00	OX		0.00	
242.00	OX		0.29	
243.00	OX		0.00	
244.00	MBL	OX	0.00	
245.00	MBL	OX	0.00	
246.00	MBL	OX	0.00	
247.00	MBL	OX	0.00	
248.00	MBL	OX	0.30	
249.00	OX		0.00	
250.00	OX		0.00	
251.00	OX		0.00	
252.00	OX		0.14	
253.00	OX		0.18	
254.00	OX		0.00	
255.00	OX		0.05	
256.00	OX		0.23	
257.00	OX		0.31	
258.00	OX		0.71	
259.00	OX		0.34	
260.00	OX		0.00	
261.00	OX		0.07	
262.00	OX		0.58	
263.00	OX		0.14	
264.00	LEP		0.31	
265.00	LEP		0.00	
266.00	LEP		0.00	
267.00	LEP		0.00	
268.00	LEP		0.00	
269.00	LEP		0.00	

HOLE: Rau-10-97

Depth (m)	Unit	Modifier	MINERALS				Comments	Length (cm)
			Py %	As %	Other	%		
22.29	LST	FOS						14.6
54.12	LST	BN						14.8
82.15	LST				Po	t		14.7
103.75	LST				Po	t		15.2
145.85	LST							11.6
268.38	LEP							14.7

Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
6.1	1134.1	709.5	2.69	2.67
6.1	1172.7	740.9	2.74	2.72
6.1	1191.5	763.5	2.80	2.78
6.1	1198.8	752.4	2.73	2.69
6.1	631.7	396.8	1.88	2.69
6.1	831.1	522.0	1.96	2.69

BOX LOG

HOLE: Rau-10-97

BOX	FROM (m)	TO (m)
1	2.60	6.21
2	6.21	9.75
3	9.75	13.63
4	13.63	17.37
5	17.37	21.55
6	21.55	25.25
7	25.25	29.57
8	29.57	33.37
9	33.37	37.19
10	37.19	40.77
11	40.77	44.44
12	44.44	47.85
13	47.85	51.35
14	51.35	55.41
15	55.41	59.34
16	59.34	63.29
17	63.29	67.56
18	67.56	71.19
19	71.19	75.13
20	75.13	78.73
21	78.73	82.68
22	82.68	86.71
23	86.71	90.53
24	90.53	94.62
25	94.62	98.64
26	98.64	102.64
27	102.64	106.19
28	106.19	110.19
29	110.19	113.86
30	113.86	117.70
31	117.70	121.49
32	121.49	121.92
33	121.92	125.58
34	125.58	130.68
35	130.68	135.97
36	135.97	141.04
37	141.04	146.20
38	146.20	151.49
39	151.49	156.72
40	156.72	162.03
41	162.03	167.12
42	167.12	172.52
43	172.52	177.88
44	177.88	183.35
45	183.35	188.52
46	188.52	193.45
47	193.45	198.73
48	198.73	203.76
49	203.76	208.90
50	208.90	213.97
51	213.97	219.35
52	219.35	224.64
53	224.64	230.66
54	230.66	235.71
55	235.71	241.40
56	241.40	245.06
57	245.06	251.60
58	251.60	256.64
59	256.64	262.15
60	262.15	267.46
61	267.46	269.14
269.14 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
09+750NW	10+170NE	528782	7118966	1395	409.96

ZONE: East Zone

SECTION: 09+750NW

HOLE: **Rau-10-98**

CLAIM: Rau 56

Contractor: Superior

Drill: 1

Core size: BTW

Casing depth: 3.05 m out

Drilling dates: July 12-16, 2010

Geology logged by: K. Unger

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	-58	228.0	compass	163.1	234	-58.5	Ranger
25.90	226	-57.5	Ranger	224.00	238	-58.3	Ranger
56.40	226	-57.5	Ranger	315.50	246	-58.3	Ranger
102.10	229	-57.9	Ranger	406.90	252	-57.3	Ranger

TARGET: Upper Tiger and Lower East Zone

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	2.97	2.97	OVB	no recovery
2.97	9.14	6.17	LST	With thin VOL interbeds
9.14	215.68	206.54	LST	
215.68	219.46	3.78	DOL	Mineralized Upper Tiger
219.46	220.75	1.29	MBL	
220.75	235.93	15.18	VOL	Amygdaloidal, variably magenetic
235.93	346.71	110.78	LST	Dolomitized
346.71	359.89	13.18	VOL	
359.89	402.46	42.57	LST	Dolomitized with intermittent weakly MX zones.
402.46	409.96	7.50	LST	Dolomitized
409.96	E.O.H.			

SAMPLES

Numbers: I076218-I076247, I076285-I076317

Total: 63

Batch: 48, 49, 50, 51

Date Sent: July 21, 23, 2010

Certificate: VA10089878, VA10089877, VA10100827

VA10100824

COMMENTS

The hole was ended because it was past the targeted East Zone. The hole appears to skirt the edge of the mineralization present in other holes with only intermittant zones of hydrothermal DOL.

GEOLOGY LOG

HOLE: Rau-10-98

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	Photo
0.00	2.97	2.97				OVB			Overburden - no recovery																		
2.97	215.68	212.71				LST												MBL	f								
			2.97	9.09	6.12	LST	SHL		Medium grey, MG, FOS LST with brown, FG SHL interbeds throughout. SHL bands decrease in width and frequency with depth, are reddy-brown in colour and do not fizz with HCl. LST is medium grained, hosting weak amounts of crinoid stem fragments. Weak OX alteration is present on fracture faces.																		
									FO is defined by shale interbed orientations, 45 degrees TCA.	FO	45																
			9.09	52.60	43.51	LST	MBL		Light to dark grey, FG to CG, variably strained, variably FOS, strongly MBL LST. A banded appearance is exhibited by light to medium grey, strongly MBL altered zones with darker, FG, FOS, less MBL altered muddy limestone interbeds throughout. The unit is weakly FOS, with crinoid and coral favocities "honeycomb" and halycites "chain coral") fragments present in dark, FG, muddy LST beds. FOS content increases while MBL alteration decreases with depth.									MBL	s							
									FO is defined by a banded texture in strongly marblized rock and "bedding"(?) in FG muddy LST, oriented 40 degrees TCA.	FO	40																
			52.50	57.95	5.45	LST		BX	Dark to light grey, FG to CG, variably BX LST. A weak mBX texture is exhibited intermittently, locally appearing sBX with clasts supported by a white, CG, calcareous matrix. Weak fossils are present, including deformed crinoid stem fragments throughout.																		
									FO is defined by BX orientation, 50 degrees TCA.	FO	50																
			57.95	75.69	17.74	LST	FOS	MO	Dark to medium grey, FG, strongly strained, mottled, fossiliferous LST. A mottled texture is oriented with strain fabric. Strain is also exhibited by deformed fossils including cryptic honeycomb favocities and rugose corals.																		
									FO is undulose, defined by strain fabric, oriented 10 to 30 degrees, generally 25 to 30 degrees throughout.	FO	30																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			75.69	118.14	42.45	LST	MBL	BN	Medium to dark grey, sucrosic, weakly FOS, strongly MBL altered, strained LST. Strain is exhibited by a variably undulose, shallow fabric throughout. Coral and crinoid fossils are present, often deformed to obliterated by strain and marbleization. White and dark bands define strain fabric (MBL dissolution?)									MBL	s								
									FO is undulose throughout, variably oriented from 0 to 30 degrees TCA, typically around 10 degrees. FO is defined by banded fabric throughout.	FO	10															
			118.14	127.42	9.28	LST		BX	Dark grey, FG, finely laminated to BX LST hosting Qz-Ca veining. Where not laminated, rock appears cBX with FG black BX matrix appearing deformed with localized Qz-Ca veining. Qz-Ca veining occurs between 122.00 m and 126.99 m with CG white Ca and translucent Qz																		
									Where laminated, FO is oriented 40 degrees TCA, but can be shallower.	FO	40																
			122.00	126.99	4.99				Qz-Ca white "stockwork" veining, locally deforming and brecciating LST. At times veinlets have soft, non-calcareous (DOL?) selvages with trace epidote. Veining lack a common orientation, but narrow veinlets 2 to 9 mm wide are generally oriented 70 degrees TCA. Veins are up to 25 cm wide and make up nearly 10% of interval.	VN	70																
			127.42	146.03	18.61	LST	MBL		Light to dark grey, sucrosic, weakly FOS, strongly MBL altered, strained LST. Strain is exhibited by undulose, shallow laminated fabric. Trace coral fossils are present, but their textures appear deformed to obliterated.																		
									An undulose FO is defined by banded fabric oriented from 0 to 30 degrees TCA, generally at 15 degrees.	FO	15																
									CG white Ca and translucent Qz veinlet 8.5 cm wide, oriented 45 degrees TCA and 270 degrees to FO. Mineralogy and habit is similar to Qz-Ca veining above.	VT	40	270														
			147.45	147.47	0.02				White Ca-Qz-DOL VN, locally "brecciating" host rock with coarse, vuggy core with rhombs of grey dolomite at the centre of the veinlet. VN selvages are soft, grey, non-calcareous (DOL?). VN is oriented 10 degrees TCA, 270 degrees to FO and is 2.1 cm wide.	VT	10	270														

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									Qz-Ca-DOL veinlets lacking uniform orientation, often near 180 degrees to FO, between 10 and 80 degrees TCA throughout.	VT		180															
			146.03	149.60	3.57	LST		BX	Dark grey, FG, weakly BX LST hosting Ca-Qz-DOL veining which at times locally brecciated host LST appearing sBX in texture. Generally rock exhibits a BX texture throughout, at times BX matrix appears near stylolitic. BX clasts at times appear mottled (dissolution?).																	
									FO is defined by BX orientation, 50 degrees TCA.	FO	50																
			149.60	185.23	35.63	LST	MBL		Light to dark grey, sucrosic to FG, strongly MBL altered, strained LST. Trace coral fossils are present, textures are often deformed to obliterated. An undulose fabric persists throughout. Where MBL and strain are less evident, relict BX/debris flow textures are less obscured. Crinoid, rugose and favocities corals present.																	
									FO is defined by banded fabric and is variable throughout, oriented from 0 to 50 degrees. Foliation steepens with depth generally oriented 35 to 40 degrees TCA.	FO	40																
									Dark grey, FG, variably BX and strained LST hosting Ca-Qz veinlets. Ca-Qz veining locally brecciated host rock, supporting dark LST clasts in a white, CG veinlet matrix. The LST also have a variable mottled to cBX texture throughout.																	
									FO is defined by a weak undulose strain fabric oriented at 50 degrees TCA.	FO	50																
									CG, white Ca-Qz veinlets locally sBX LST with variable thicknesses 4 mm to 3.5 cm that are generally oriented parallel to FO but where narrower appear shallow TCA and up to 90 degrees to FO.	VN	50	0														

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			186.89	209.01	22.12	LST	FOS		Dark to medium grey, strongly FOS, variably MBL altered, weakly SIL altered, variably strained LST. Crinoids and rugose and favocities corals dominate, rock appearing locally wakestone to packstone where most fossiliferous, usually as narrow beds between soft, FG lime muds, giving a banded texture to rock. Where strained, beds appear convoluted and deformed (soft sediment deformation?) MBL appears where strain is highest, sucrosic MBL textures obscure fossils. Trace patches of cherty SIL alteration of nodules 2 to 3 cm in size. A clast with bedding textures is present at 196.50 m (speliothem?)								MBL	w							X
									FO is defined by banding/bedding, oriented 50 degrees TCA, increasing with depth.	FO	50							SIL	w							
			209.01	215.68	6.67	LST		BX	Medium to light grey, variably BX, FG LST with trace vuggy textures. Generally a cBX texture is exhibited with weak sBX throughout. lCN is gradational, lightening in colour before a sharp CN with a FG Py band.	CN																
									Narrow, white, 2 mm wide fracture filling Ca veinlets are present throughout, with a weakly common orientation shared at 30 degrees TCA.	VN	30															
215.68	219.46	3.78				DOL	MX	SP	White to medium grey, intensely DOL altered, CG, sparry crystalline DOL with banded Py MX. Weak ANK alteration is present where core is most sparry occurring as creamy yellow coarse crystal rhombs. Py MX appears as FG, dull, metallic yellow bands, 1 mm to 1.2 cm wide. Trace bright euhedral MG, pitted Py overprints FG dull PY at 219.27 m. A narrow FG, light grey, dolomitic MBL interlayer from 216.59 to 216.92 m occurs. Trace Po is present as CG overprints of Py at 218.80 m, trace As is present near uCN as MG, euhedral crystals. uCN is gradational, increasingly DOL with depth over 15 cm, becoming coarser, and hosting sulphide MX.	CN				i	w					ms	t	t					
									FO is defined by Py banding, oriented 60 to 70 degrees TCA, most commonly 60 degrees.	FO	60															
			216.59	216.92	0.33	MBL			DOL altered MBL, light grey, fizzes when scratched. CNs are sharp, defined by MG bands of Py oriented 60 to 70 degrees TCA.					i				MBL	i							

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
219.46	220.75	1.29				MBL			White, sucrosic, "Italian" MBL with faint bands throughout. uCN is sharp, defined by a Py band oriented at 70 degrees TCA. lCN is defined by convoluted beds between MBL and VOL unit.	CN																	
									FO is defined by faint bands in MBL, oriented 70 degrees TCA.	FO	70																
220.75	235.93	15.18				VOL		AM	Dark green to brown, variably AM, variably magnetic, FG to MG VOL. Unit is green where intensely CHL altered, becoming brown, intensely BIO altered with depth. AM textures are variably present in both green and brown VOL. Rock appears bleached and SER altered at CN's, much more so at the lCN. SER alteration is also associated with narrow Ca veinlets.									CHL	s								
																			BIO	s							
			220.75	226.24	5.49	VOL	CHL	AM	Dark green, variably magnetic, variably AM, intensely CHL altered VOL. Magnetism is exhibited strongest from 221.30 to 224.50 m. Trace SER is associated with Ca veinlets. AM textures become apparent with depth. Amygdules range in size from 2 mm to 1.4 cm across, and are infilled with CG calcite. lCN is gradational, changing from green to brown over 60 cm.									CHL	i								
																			SER	t							
									FO is defined by AM orientation and weakly banded textures intermittent throughout, oriented 45 to 55 degrees TCA.	FO	50																
									Narrow Ca stringers oriented 0 degrees to FO, 2 to 4 mm wide throughout, 30 to 50 degrees TCA and appear as angular, fracture fills. Occasional SER alteration over 7 mm is seen with widest Ca stringers.	VT	40	0														
			226.24	231.46	5.22	VOL	BIO	AM	Brown, variably AM, variably magnetic, intensely BIO altered, FG VOL becoming calcareous with depth. Amygdules range in size from 2 mm to 1.4 cm across, infilled with CG calcite. Py is present as cubic crystals <4 mm forming bands and variably exhibiting exsolution textures. FG wisps of Py are also present. Trace Po present in a narrow VT.									BIO	i	f		t					
									FO is defined by a weak banding fabric, oriented 45 to 50 degrees TCA.	FO	45																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									Ca-Po VT with trace CHL alteration, 2 to 3 mm wide oriented 40 degrees TCA, 90 degrees to FO.	VT	40	90															
			231.46	235.93	4.47	VOL	SER	FG	Grey-yellow to dirty olive green, FG to CG variably SER altered VOL with strong Py MX. Rock becomes more grey with depth with fine, delicate wisps of SER. SER alteration up hole is stronger, more pervasive forming soft masses of altered VOL. Strong Py MX is present as dull FG masses to octahedral crystals 6 mm in size, and as bright, FG disseminations. Py abundance increases with depth. lCN is gradational, becoming less calcareous and grey in colour and having a more pronounced BX texture over the last 20 cm of unit. (Harry Cook identified pumice texture, delicate wisps of SER alteration in FG, irregular grains)								SER	s	s						
235.93	346.71	110.78				LST	DOL	BX	Dark to light grey, FG to CG, variably BX, intensely DOL altered LST. Trace dissolution textures are seen throughout. Trace fossils are seen with depth. Generally, unit is sBX in texture, but "camo" mottling and crackle breccia textures are also evident.					i												
			235.93	315.10	79.17	LST	DOL	BX	Dark to light grey, FG to CG, variably BX, intensely DOL altered LST. Generally, rock is sBX with a white, CG, sparry matrix throughout, but at times exhibits cBX textures.					i												
									A lack of pervasive orientation of grains or clasts prevents a FO measurement.	FO	n/a																
									CG, DOL-Py-Po VN at 249.22 m, oriented 55 degrees TCA. 13 cm wide with patchy Po with CG, bright, "shotgun" Py overprinting Po within the vein and along VN walls. Vein selvages are wide, up to 3.7 m up hole and 1.2 m down hole, bleaching DOL altered LST to a light grey.	VN	50	n/a								m		f					
			275.69	278.77	3.08	LST	DOL	MO	Dark to medium grey, FG, intensely DOL altered, mottled LST, weakly exhibiting sBX textures. Small voids with sparry white DOL are weakly present throughout. Weak OX/Fe staining present on fracture faces. uCN and lCN are gradational, voids become increasingly sparry over 12 cm both up and down hole.	CN				i		w											
									FO is defined by orientation of mottled "blobs", 50 to 60 degrees TCA.	FO	50																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			280.30	283.89	3.59	LST	DOL	MO	Dark to light grey, intensely DOL altered, sBX LST, with moderate Fe staining/weathering. Rock appears blocky to rubbly (FT?) Fe (OX?) alteration is more pervasive in a narrow interval from 282.22 to 282.52 m.	FT				i				HEM	m								
									FO is defined by BX clast orientation, 50 degrees TCA.	FO	50																
			289.36	295.47	6.11	LST	DOL	MO	Dark grey, FG, intensely DOL altered, MO "camo" BX in texture, weakly FOS, LST with trace Py MX. Fossils present are trace bryzoan and coral fragments. Py is preset as bright yellow, subhedral MG growths preferential to dark, FG rock (dissolution textures?).					i						t							
									FO is defined by orientation of MO clasts, 60 to 70 degrees TCA.	FO	65																
									White to medium grey, CG, sparry DOL veinlets throughout, 2 to 7 mm wide, generally oriented parallel to FO. Py MX is present, preferential to VT's with darker grey DOL.	VN	60	0	3													
			315.10	346.71	31.61	LST	DOL	FG	Dark to light grey, FG, weakly BX, intensely DOL altered, laminated, weakly FOS LST. Fossils present are favocities fragments and trace narrow beds of crinoid packstone. Trace Py is present in narrow, dark lime mud beds and in CG veinlets/solution textures.					i						t							x
									FO is defined by laminations (bedding?), oriented 45 60 degrees TCA, generally 50 degrees.	FO	50																
									CG, Ca-DOL veinlets, 6 mm to 5.5 cm wide (locally BX host rock?) generally oriented near parallel to FO. Trace Py is present in veinlets and along selvages of a VT passing through dark, muddy interbedded LST at 331.92 m.	VN	60	0	1													
346.71	359.89	13.18				VOL		BN	Light grey to olive green to black, FG to MG, banded to mottled, variably calcareous VOL. Banding defined by layers of compositional and grain size differences (rhythmic bedding textures?) Moderate SER alteration present, preferential to certain bands. Moderate Py MX is present increasing with depth, Po is present in trace amounts at shallow depths.									SER	ms								

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			346.71	356.72	10.01	VOL		BN	Medium grey to olive green, FG to CG, variably SER altered, banded VOL with weak Py MX. Weak amounts of FG, black, (argillaceous?) beds through out. Py is present as MG disseminations to narrow, <1 mm bands of bright, euhedral yellow crystals. Po is present as trace bands (VT?) to blebs up to 4 mm in size preferential to darker, CHL bands. Banding (bedding?) become finer and more convolute with depth, at times appearing fractured/strained. Rock becomes more calcareous with depth, with a white Ca matrix present to lCN.									SER	ms	w							
									FO is defined by banding/bedding, oriented 45 to 55 degrees TCA.	FO	50																
			356.72	359.89	3.17	VOL		BN	Dark grey to black, FG, banded VOL with strong Py mineralization. Sub unit is very dark, soft, noncalcareous and vFG. XRF readings register a VOL signature (elevated Ti, K counts, etc). Py is present as dull, FG bands up to 2.6 cm wide to fine wisps. A second generation of Py is present as bright yellow, rims to blebs replacing dull Py. A gradational change is marked above the lCN, Py bands become increasingly convolute with depth. Rock is fissile, commonly fracturing along parallel beds oriented with Py bands.											s							
									A strong FO is defined by bands of Py and preferential fractures, oriented at 50 degrees TCA.	FO	50																
359.89	402.46	42.57				LST	DOL	BX	Dark to light grey, FG to CG, variably BX, intermittently recrystallized, intensely DOL altered LST hosting fair, intermittent Py MX throughout. Py MX locally strong to very intense. Weak hydrothermal DOL recrystalization seen throughout, generally rock is sBX to tBX in texture. Trace TLC alteration occurs.					i				TLC	t	f							
			359.89	378.13	18.24	LST	DOL	BX	Dark grey to white, FG to CG, variably sBX, intensely DOL altered LST. Weak Py MX is present with depth. Where FG, rock is darker, less sBX in texture and more cBX-mBX. Up hole, Py is present in VT selvages, downhole Py is seen as FG to MG, bright yellow "shotgun" blasts, to fine, euhedral disseminations. Dull, FG Py forms masses near veining, exhibiting overprinting textures by a bright yellow, euhedral Py. SIL alteration is present with depth.					i				SIL	w	w							

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									FO is defined by weak BX orientation and bedding in FG layers, 30 to 40 degrees TCA.	FO	40																
									White to light grey, CG, DOL-Qz-Ca veinlet, oriented 35 degrees TCA, 270 degrees to FO, and is 7.5 cm wide. Py MX is present along veinlet selvages as dull, FG, small masses being overprinted by a late bright yellow euhedral MG Py.	VT	35	270														
									Light grey to white, MG to CG, DOL-Qz veinlets oriented 30 to 60 degrees TCA and variably to FO. Veinlets crosscut FG bedding and sBX textures.	VT	40															
									CG, light grey, translucent veinlet, oriented 30 degrees TCA, 270 degrees to FO. Veinlet selvages locally SIL altering host LST, up to 9 cm away from VT. Trace Py is present in VT selvages as dull, MG disseminations.	VT	30	270														
			378.12	380.10	1.98	LST	MX	BX	Dull, metallic yellow to medium and light grey, very intensely Py MX (Py vein?) sBX, intensely DOL altered LST. Py is present as dull, grey-yellow masses to MG "shotgun" disseminations of euhedra bright Py replacing dull Py along margins of mineralization. Qz appears CG, translucent, readily associated with upper margin of Py MX. Trace TLC alteration of host occurs proximal to Py MX.	VT				i				TLC	t	55			Qz	m			
			380.10	385.48	5.38	LST	DOL	BX	Dark to light grey, FG to CG, tBX to sBX, intensely DOL altered LST. Weak TLC alteration is associated with CG Qz MX. Py is present as MG, bright, euhedral "shotgun" masses to trace, FG, dull blebs. Typically, LST appears tBX with dark, angular clasts <2 cm in size supported by a MG-FG matrix of light to medium grey material. Where not tBX, rock exhibits typical rounded sBX textures.									TLC	w	w							
									FO is defined by fabric and orientation of clasts in tBX textures, 50 degrees TCA.	FO	50																
									CG, translucent grey, Qz VT. Upper VT margin is parallel to FO, lower margin is convolute. VT selvage exhibiting TLC alteration of host LST is up to 20 cm wide.	VN	55	0														

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			385.48	386.30	0.82	LST	DOL		Light to dark grey, FG to CG, intensely DOL altered sBX with moderate hydrothermal crystalline DOL. Unit exhibits a very weak "East Zone" appearance. Moderate Py MX is present as bright, MG euhedral, <2 mm crystals rimming dark BX clasts. Po is conspicuously absent. Weak TLC alteration of hydrothermal crystalline DOL is present.					i				TLC	w	m							
									FO is very weak, defined by BX fabric, oriented 60 to 70 degrees TCA.	FO	65																
			386.30	397.05	10.75	LST	DOL	BX	Dark to light grey, FG to CG, variably sBX to tBX, intensely DOL altered LST with moderate Py MX. sBX textures are more coarse, tBX textures increase with depth, becoming more MG-FG. Py MX present as "shotgun" masses of bright, euhedral, <3 mm crystals to finer, trace disseminations of cubes in tBX textures.					i						m							
									FO is defined by BX textures in both sBX and tBX, oriented at 60 to 70 degrees TCA.	FO	65																
									CG, translucent, white Ca vein, 9 mm wide, oriented 20 degrees TCA, 270 degrees to FO, crosscutting BX textures at 387.15 m.	VT	20	270														
									Narrow, CG Qz-Ca VT, oriented 10 degrees TCA, 2 mm wide with weak red Sp crystals throughout. VT is located at 390.30 m.	VT	15	n/a										Sp	w			
			397.05	402.46	5.41	LST	DOL		Dark to light grey, FG to MG, variably BX, weakly recrystallized, intensely DOL altered LST with strong Py MX. Py is present as FG, dullish yellow masses to wisps throughout, Py MX is strongest in dark, FG beds. A weak cBX to mBX texture is present throughout. lCN and uCN are gradational, exhibiting tBX textures bounding sub unit both above and below.	CN				i				SIL	w	s							
									CG, translucent grey Qz vein from 400.85 to 401.94 m, hosting undulose masses of FG Py. VN selvages exhibit SIL alteration.	VN	65	180														
402.56	409.96	7.40				LST	DOL	BX	Dark to light grey, FG to CG, tBX, intensely DOL altered LST with trace Py MX. Dark, angular clasts <4.7 cm in size are supported by a MG-FG, medium to light grey matrix. Weak sBX textures are exhibited from 402.98 to 403.12 m. Trace Py is present as dull yellow blebs associated with dark clasts in BX, amaeboidal in shape, <1.1 cm to 2 mm in size. tBX matrix appears weakly calcareous.					i						t							

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								PHOTO
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									FO is defined by BX fabric and orientation of clasts, 50 degrees TCA.	FO	50																
									409.96 m - E.O.H. The hole was ended because it was past the targeted east zone mineralization.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-98

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
5.00	7.00	2.00	LST	VOL	1.95	98	I076218	48	<0.01	0.02	<5	0.10	
7.00	9.14	2.14	LST	VOL	1.80	84	I076220	48	<0.01	0.03	21	0.08	
9.14	12.19	3.05	LST		2.97	97	I076221	48	<0.01	0.03	<5	0.04	
210.31	213.36	3.05	LST		3.01	99	I076222	48	0.01	0.06	8	0.23	
213.36	215.68	2.32	LST		2.30	99	I076223	48	<0.01	<0.01	<5	0.14	
215.68	216.18	0.50	DOL	MX	0.50	100	I076224	48	4.64	0.12	10300	66.40	
216.18	216.92	0.74	DOL	MX	0.72	97	I076225	48	0.18	0.07	356	57.30	
216.92	218.00	1.08	DOL	MX	1.08	100	I076226	48	3.44	0.15	7070	343.00	
218.00	219.46	1.46	DOL	MX	1.46	100	I076228	48	0.29	0.21	948	328.00	
219.46	220.75	1.29	MBL		1.25	97	I076229	49	0.01	0.07	25	0.93	
220.75	223.51	2.76	VOL		2.69	97	I076230	49	<0.01	<0.01	3	0.37	
223.51	226.24	2.73	VOL		2.61	96	I076232	49	<0.01	<0.01	0	0.05	
226.24	229.00	2.76	VOL		2.76	100	I076233	49	0.01	0.02	94	6.12	
229.00	231.46	2.46	VOL		2.44	99	I076234	49	<0.01	0.15	30	3.57	
231.46	234.00	2.54	VOL		2.50	98	I076235	49	<0.01	0.13	68	12.05	
234.00	235.93	1.93	VOL		1.93	100	I076236	49	0.01	0.08	78	7.20	
235.93	238.24	2.31	LST	DOL	2.19	95	I076237	49	0.01	0.09	32	5.23	
238.24	240.79	2.55	LST	DOL	2.47	97	I076238	49	0.01	0.05	89	3.75	
240.79	242.13	1.34	LST	DOL	1.34	100	I076239	49	<0.01	0.02	<5	1.58	
242.13	242.64	0.51	LST	DOL	0.50	98	I076240	49	0.01	0.10	8	1.33	
242.67	243.84	1.17	LST	DOL	1.17	100	I076241	49	<0.01	0.01	<5	0.12	
243.84	246.89	3.05	LST	DOL	3.00	98	I076242	49	<0.01	0.06	7	0.81	
246.89	248.96	2.07	LST	DOL	2.05	99	I076243	49	<0.01	0.03	<5	0.65	
248.96	249.55	0.59	LST	DOL	0.59	100	I076244	49	0.02	0.31	33	51.50	
249.55	250.21	0.66	LST	DOL	0.65	98	I076245	49	0.01	0.06	16	15.80	
250.21	253.21	3.00	LST	DOL	3.00	100	I076247	49	0.01	0.19	19	1.53	
341.00	344.00	3.00	LST	DOL	2.98	99	I076285	50	0.01	0.12	24	2.16	Break in sequence
344.00	346.71	2.71	VOL		2.67	99	I076287	50	0.02	0.25	26	6.95	
346.71	349.00	2.29	VOL		2.20	96	I076288	50	0.02	0.19	35	4.21	
349.00	352.04	3.04	VOL		3.04	100	I076289	50	0.02	0.15	37	1.46	
352.04	355.09	3.05	VOL		3.03	99	I076290	50	<0.01	0.32	7	9.13	
355.09	356.62	1.53	VOL		1.53	100	I076291	50	0.01	0.37	2	3.62	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
356.62	358.14	1.52	VOL		1.22	80	I076292	50	0.03	0.29	119	4.22	
358.14	359.89	1.75	VOL		1.75	100	I076293	50	0.05	0.44	202	1.69	
359.89	362.00	2.11	LST	DOL	1.96	93	I076295	50	0.01	0.19	63	0.53	
362.00	364.24	2.24	LST	DOL	2.20	98	I076296	50	0.01	0.09	49	3.99	
364.24	367.28	3.04	LST	DOL	3.04	100	I076298	50	0.01	0.05	44	0.87	
367.28	370.33	3.05	LST	DOL	3.00	98	I076299	50	0.04	0.20	55	4.10	
370.33	373.38	3.05	LST	DOL	2.97	97	I076300	50	0.03	0.04	34	0.42	
373.38	376.43	3.05	LST	DOL	3.03	99	I076301	51	0.07	0.11	305	7.69	
376.43	378.13	1.70	LST	DOL	1.70	100	I076302	51	0.06	0.09	290	2.50	
378.13	380.10	1.97	LST	MX	1.84	93	I076303	51	3.74	3.13	8530	281.00	
380.10	382.52	2.42	LST	DOL	2.31	95	I076304	51	0.05	0.08	148	3.54	
382.52	385.48	2.96	LST	DOL	2.94	99	I076305	51	0.03	0.10	205	8.88	
385.48	386.30	0.82	LST	DOL	0.82	100	I076306	51	0.09	0.09	391	11.25	
386.30	388.62	2.32	LST	DOL	2.31	100	I076307	51	0.05	0.15	184	2.87	
388.62	391.68	3.06	LST	DOL	3.00	98	I076308	51	0.03	0.64	738	33.60	
391.68	394.72	3.04	LST	DOL	3.04	100	I076309	51	0.03	0.11	57	3.20	
394.72	397.00	2.28	LST	DOL	2.28	100	I076310	51	0.01	0.71	28	2.58	
397.05	399.00	1.95	LST	DOL	1.94	99	I076312	51	0.09	0.35	231	22.20	
399.00	400.81	1.81	LST	DOL	1.78	98	I076313	51	0.19	0.69	246	24.40	
400.81	402.46	1.65	LST	DOL	1.60	97	I076314	51	0.15	0.27	207	11.65	
402.46	403.86	1.40	LST	DOL	1.40	100	I076316	51	0.09	0.13	71	6.74	
403.86	406.91	3.05	LST	DOL	3.01	99	I076317	51	0.07	0.12	40	7.19	
5.00	7.00	2.00	LST	VOL	1.95	98	I076219	48	0.01	0.04	<5	0.03	Duplicate
-	-	-	-	-	-	-	I076227	48	2.67	0.73	1840	102.50	Standard RESS-8
-	-	-	-	-	-	-	I076231	49	0.02	0.01	<5	0.11	Blank (BTW)
-	-	-	-	-	-	-	I076246	49	2.63	0.64	1620	99.50	Standard RESS-8
341.00	344.00	3.00	LST	DOL	-	-	I076286	50	0.01	0.15	19	2.75	Duplicate
-	-	-	-	-	-	-	I076294	50	<0.01	0.01	<5	0.04	Blank (BTW)
-	-	-	-	-	-	-	I076297	50	2.87	0.64	1680	92.50	Standard RESS-8
-	-	-	-	-	-	-	I076311	51	<0.01	0.03	5	0.17	Blank (BTW)
-	-	-	-	-	-	-	I076315	51	2.49	0.64	1740	92.60	Standard RESS-8

GEOTECHNICAL LOG

HOLE: Rau-10-98

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
3.05	6.10	3.05	2.91	95	2	65	MS	SW		
6.10	9.14	3.04	2.95	97	2.11	69	MS	SW		
9.14	12.19	3.05	2.96	97	2.78	91	MS	SW		
12.19	15.24	3.05	3.05	100	2.98	98	MS	SW		
15.24	18.29	3.05	3.05	100	2.99	98	MS	FR		
18.29	21.34	3.05	2.98	98	2.82	92	MS	FR		
21.34	24.38	3.04	3.04	100	3.04	100	MS	FR		
24.38	27.43	3.05	3.04	100	2.93	96	MS	FR		
27.43	30.48	3.05	3.05	100	2.82	92	MS	FR		
30.48	33.53	3.05	3.05	100	2.82	92	MS	FR		
33.53	36.58	3.05	3.05	100	3.01	99	MS	FR		
36.58	39.62	3.04	3.02	99	2.94	97	MS	FR		
39.62	42.67	3.05	3.03	99	3.03	99	MS	FR		
42.67	45.72	3.05	3.01	99	2.78	91	MS	FR		
45.72	48.77	3.05	3.05	100	3.02	99	MS	FR		
48.77	51.82	3.05	3.03	99	3.03	99	MS	FR		
51.82	54.86	3.04	3.04	100	2.85	94	MS	FR		
54.86	57.91	3.05	3.05	100	2.89	95	MS	FR		
57.91	60.96	3.05	3.05	100	2.94	96	MS	FR		
60.96	64.01	3.05	3.05	100	2.64	87	MS	FR		
64.01	67.06	3.05	3.04	100	3.04	100	MS	FR		
67.06	70.10	3.04	3.02	99	2.72	89	MS	FR		
70.10	73.15	3.05	2.99	98	2.60	85	MS	FR		
73.15	76.20	3.05	3.02	99	2.88	94	MS	FR		
76.20	79.25	3.05	3.05	100	3.05	100	S	FR		
79.25	82.30	3.05	3.05	100	3.05	100	MS	FR		
82.30	85.34	3.04	3.04	100	3.03	100	MS	FR		
85.34	88.39	3.05	3.05	100	3.05	100	MS	FR		
88.39	91.44	3.05	3.05	100	3.05	100	MS	FR		
91.44	94.49	3.05	3.05	100	3.05	100	MS	FR		
94.49	97.54	3.05	3.05	100	3.05	100	MS	FR		
97.54	100.58	3.04	3.02	99	2.97	98	S	FR		
100.58	103.63	3.05	3.05	100	2.96	97	S	FR		
103.63	106.68	3.05	3.05	100	3.05	100	MS	FR		
106.68	109.73	3.05	3.05	100	2.99	98	S	FR		
109.73	112.78	3.05	3.02	99	2.88	94	MS	FR		
112.78	115.82	3.04	3.02	99	2.92	96	MS	FR		
115.82	118.87	3.05	3.04	100	2.78	91	MS	FR		
118.87	121.92	3.05	3.05	100	2.65	87	MS	FR		
121.92	124.97	3.05	3.05	100	2.90	95	MS	FR		
124.97	128.02	3.05	3.01	99	2.79	91	MS	FR		
128.02	131.06	3.04	3.04	100	3.02	99	MS	FR		
131.06	134.11	3.05	3.05	100	2.87	94	MS	FR		
134.11	137.16	3.05	3.05	100	3.05	100	MS	FR		
137.16	140.21	3.05	3.05	100	2.82	92	MS	FR		
140.21	143.26	3.05	3.05	100	2.90	95	MS	FR		
143.26	146.30	3.04	3.04	100	3.01	99	MS	FR		
146.30	149.35	3.05	2.95	97	2.52	83	MS	FR		
149.35	152.40	3.05	3.04	100	2.74	90	MS	FR		
152.40	155.45	3.05	3.03	99	3.03	99	MS	FR		
155.45	158.50	3.05	3.04	100	3.04	100	MS	FR		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
158.50	161.54	3.04	2.99	98	2.99	98	MS	FR		
161.54	164.59	3.05	3.02	99	2.83	93	MS	FR		
164.59	167.64	3.05	3.02	99	1.98	65	MS	FR		
167.64	170.69	3.05	3.04	100	2.89	95	MS	FR		
170.69	173.74	3.05	3.05	100	2.99	98	MS	FR		
173.74	176.78	3.04	3.03	100	2.94	97	MS	FR		
176.78	179.83	3.05	2.99	98	2.88	94	MS	FR		
179.83	182.88	3.05	3.05	100	2.95	97	MS	FR		
182.88	185.93	3.05	2.89	95	2.82	92	MS	FR		
185.93	188.98	3.05	3.05	100	2.88	94	MS	FR		
188.98	192.02	3.04	3.04	100	2.79	92	MS	FR		
192.02	195.07	3.05	3.00	98	2.89	95	MS	FR		
195.07	198.12	3.05	3.05	100	3.00	98	MS	FR		
198.12	201.17	3.05	3.05	100	2.73	90	MS	FR		
201.17	204.22	3.05	3.05	100	2.88	94	MS	FR		
204.22	207.26	3.04	3.03	100	2.60	86	MS	FR		
207.26	210.31	3.05	3.05	100	2.89	95	MS	FR		
210.31	213.36	3.05	3.05	100	2.70	89	MS	FR		
213.36	216.41	3.05	3.03	99	2.90	95	MS	FR		
216.41	219.46	3.05	3.05	100	2.90	95	MS	FR		
219.46	222.50	3.04	3.04	100	2.02	66	MS	FR		
222.50	225.55	3.05	3.05	100	1.50	49	MS	FR		
225.55	228.60	3.05	3.05	100	2.76	90	MS	FR		
228.60	231.65	3.05	3.01	99	2.86	94	MS	FR		
231.65	234.70	3.05	3.01	99	2.04	67	MS	FR		
234.70	237.74	3.04	2.85	94	2.55	84	MS	FR		
237.74	240.79	3.05	3.05	100	2.50	82	MS	FR		
240.79	243.84	3.05	3.05	100	2.47	81	MS	FR		
243.84	246.89	3.05	3.04	100	2.15	70	MS	FR		
246.89	249.94	3.05	3.05	100	2.50	82	MS	FR		
249.94	252.98	3.04	3.00	99	1.70	56	MS	FR		
252.98	256.03	3.05	3.01	99	2.40	79	MS	FR		
256.03	259.08	3.05	3.00	98	2.59	85	MS	FR		
259.08	262.13	3.05	3.02	99	2.73	90	MS	FR		
262.13	265.18	3.05	3.05	100	2.80	92	MS	FR		
265.18	268.22	3.04	3.04	100	2.75	90	MS	FR		
268.22	271.27	3.05	3.05	100	2.60	85	MS	FR		
271.27	274.32	3.05	3.03	99	2.68	88	MS	FR		
274.32	277.37	3.05	2.95	97	2.47	81	MS	FR		
277.37	280.42	3.05	3.03	99	2.97	97	MS	FR		
280.42	283.46	3.04	2.94	97	1.42	47	MS	MW		
283.46	286.51	3.05	3.05	100	1.61	53	MS	FR		
286.51	289.56	3.05	3.03	99	3.03	99	MS	FR		
289.56	292.61	3.05	3.05	100	3.03	99	MS	FR		
292.61	295.66	3.05	2.91	95	2.51	82	MS	FR		
295.66	298.70	3.04	3.02	99	1.92	63	MS	FR		
298.70	301.75	3.05	3.02	99	2.76	90	MS	FR		
301.75	304.80	3.05	3.05	100	2.74	90	MS	FR		
304.80	307.85	3.05	3.02	99	2.44	80	MS	FR		
307.85	309.37	1.52	1.48	97	1.09	72	MS	FR		
309.37	312.42	3.05	3.01	99	2.58	85	MS	FR		
312.42	315.47	3.05	3.05	100	3.05	100	MS	FR		
315.47	318.52	3.05	3.04	100	2.94	96	MS	FR		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
318.52	321.56	3.04	3.04	100	2.73	90	MS	FR		
321.56	324.61	3.05	3.05	100	2.70	89	MS	FR		
324.61	327.66	3.05	3.03	99	2.65	87	MS	FR		
327.66	330.71	3.05	3.03	99	2.89	95	MS	FR		
330.71	333.76	3.05	3.05	100	2.18	71	MS	FR		
333.76	336.80	3.04	3.04	100	2.23	73	MS	FR		
336.80	339.85	3.05	3.02	99	1.75	57	MS	FR		
339.85	342.90	3.05	3.05	100	1.79	59	MS	FR		
342.90	345.95	3.05	3.05	100	2.55	84	MS	FR		
345.95	349.00	3.05	3.01	99	2.39	78	MS	FR		
349.00	352.04	3.04	3.02	99	2.10	69	MS	FR		
352.04	355.09	3.05	3.02	99	1.40	46	MS	FR		
355.09	356.62	1.53	1.53	100	1.40	92	MS	FR		
356.62	358.14	1.52	1.32	87	0.53	35	MS	FR		
358.14	361.19	3.05	2.92	96	2.17	71	MS	FR		
361.19	364.24	3.05	3.02	99	2.92	96	MS	FR		
364.24	367.28	3.04	3.04	100	2.95	97	MS	FR		
367.28	370.33	3.05	3.00	98	2.88	94	MS	FR		
370.33	373.38	3.05	3.00	98	2.50	82	MS	FR		
373.38	376.43	3.05	3.02	99	2.73	90	MS	FR		
376.43	379.46	3.03	3.00	99	2.83	93	MS	FR		
379.46	382.52	3.06	2.95	96	2.67	87	MS	FR		
382.52	385.57	3.05	3.02	99	2.82	92	MS	FR		
385.57	388.62	3.05	3.05	100	2.80	92	MS	FR		
388.62	391.68	3.06	2.94	96	2.55	83	MS	FR		
391.68	394.72	3.04	3.04	100	2.72	89	MS	FR		
394.72	397.76	3.04	3.02	99	2.74	90	MS	FR		
397.76	400.81	3.05	3.05	100	2.80	92	MS	FR		
400.81	403.86	3.05	3.00	98	2.13	70	MS	FR		
403.86	406.91	3.05	3.05	100	2.90	95	MS	FR		
406.91	409.96	3.05	3.04	100	2.49	82	MS	FR		
409.96	E.O.H.									

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-98

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	OVB		N/A	
2.00	OVB		N/A	
3.00	LST	SHL	0.24	
4.00	LST	SHL	0.16	
5.00	LST	SHL	0.3	
6.00	LST	SHL	1.59	
7.00	LST	SHL	2.15	
8.00	LST	SHL	0.77	
9.00	LST	SHL	1.33	
10.00	LST	MBL	0.9	
11.00	LST	MBL	2.25	
12.00	LST	MBL	0.02	
13.00	LST	MBL	0.55	
14.00	LST	MBL	0.98	
15.00	LST	MBL	2.13	
16.00	LST	MBL	4.26	
17.00	LST	MBL	0.02	
18.00	LST	MBL	0.04	
19.00	LST	MBL	0	
20.00	LST	MBL	0.02	
21.00	LST	MBL	0.00	
22.00	LST	MBL	0.10	
23.00	LST	MBL	0.00	
24.00	LST	MBL	0.02	
25.00	LST	MBL	0.02	
26.00	LST	MBL	0.02	
27.00	LST	MBL	0.00	
28.00	LST	MBL	0.04	
29.00	LST	MBL	0.02	
30.00	LST	MBL	0.00	
31.00	LST	MBL	0.00	
32.00	LST	MBL	0.00	
33.00	LST	MBL	0.00	
34.00	LST	MBL	0.12	
35.00	LST	MBL	0.10	
36.00	LST	MBL	0.00	
37.00	LST	MBL	0.00	
38.00	LST	MBL	0.00	
39.00	LST	MBL	0.02	
40.00	LST	MBL	0.02	
41.00	LST	MBL	0.02	
42.00	LST	MBL	0.32	
43.00	LST	MBL	0.06	
44.00	LST	MBL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	LST	MBL	0.16	
46.00	LST	MBL	0.20	
47.00	LST	MBL	0.00	
48.00	LST	MBL	0.14	
49.00	LST	MBL	0.04	
50.00	LST	MBL	0.00	
51.00	LST	MBL	0.02	
52.00	LST	MBL	0.02	
53.00	LST	BX	0.00	
54.00	LST	BX	0.06	
55.00	LST	BX	0.00	
56.00	LST	BX	0.00	
57.00	LST	BX	0.04	
58.00	LST	FOS	0.00	
59.00	LST	FOS	0.00	
60.00	LST	FOS	0.00	
61.00	LST	FOS	0.04	
62.00	LST	FOS	0.08	
63.00	LST	FOS	0.00	
64.00	LST	FOS	0.06	
65.00	LST	FOS	0.02	
66.00	LST	FOS	0.02	
67.00	LST	FOS	0.04	
68.00	LST	FOS	0.36	
69.00	LST	FOS	0.20	
70.00	LST	FOS	0.00	
71.00	LST	FOS	0.06	
72.00	LST	FOS	0.00	
73.00	LST	FOS	0.00	
74.00	LST	FOS	0.00	
75.00	LST	FOS	0.00	
76.00	LST	MBL	0.00	
77.00	LST	MBL	0.06	
78.00	LST	MBL	0.00	
79.00	LST	MBL	0.00	
80.00	LST	MBL	0.02	
81.00	LST	MBL	0.00	
82.00	LST	MBL	0.00	
83.00	LST	MBL	0.00	
84.00	LST	MBL	0.00	
85.00	LST	MBL	0.00	
86.00	LST	MBL	0.00	
87.00	LST	MBL	0.00	
88.00	LST	MBL	0.04	
89.00	LST	MBL	0.00	
90.00	LST	MBL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	LST	MBL	0.00	
92.00	LST	MBL	0.00	
93.00	LST	MBL	0.00	
94.00	LST	MBL	0.00	
95.00	LST	MBL	0.00	
96.00	LST	MBL	0.00	
97.00	LST	MBL	0.00	
98.00	LST	MBL	0.00	
99.00	LST	MBL	0.00	
100.00	LST	MBL	0.00	
101.00	LST	MBL	0.00	
102.00	LST	MBL	0.00	
103.00	LST	MBL	0.02	
104.00	LST	MBL	0.00	
105.00	LST	MBL	0.00	
106.00	LST	MBL	0.00	
107.00	LST	MBL	0.00	
108.00	LST	MBL	0.00	
109.00	LST	MBL	0.00	
110.00	LST	MBL	0.00	
111.00	LST	MBL	0.00	
112.00	LST	MBL	0.00	
113.00	LST	MBL	0.02	
114.00	LST	MBL	0.00	
115.00	LST	MBL	0.00	
116.00	LST	MBL	0.00	
117.00	LST	MBL	0.00	
118.00	LST	MBL	0.00	
119.00	LST		0.00	
120.00	LST		0.00	
121.00	LST		0.00	
122.00	LST		0.00	
123.00	LST		0.00	
124.00	LST		0.00	
125.00	LST		0.00	
126.00	LST		0.00	
127.00	LST		0.00	
128.00	LST	MBL	0.45	
129.00	LST	MBL	0.00	
130.00	LST	MBL	0.00	
131.00	LST	MBL	0.00	
132.00	LST	MBL	0.00	
133.00	LST	MBL	0.00	
134.00	LST	MBL	0.00	
135.00	LST	MBL	0.00	
136.00	LST	MBL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	LST	MBL	0.00	
138.00	LST	MBL	0.00	
139.00	LST	MBL	0.04	
140.00	LST	MBL	0.00	
141.00	LST	MBL	0.00	
142.00	LST	MBL	0.00	
143.00	LST	MBL	0.00	
144.00	LST	MBL	0.00	
145.00	LST	MBL	0.00	
146.00	LST	MBL	0.00	
147.00	LST		0.00	
148.00	LST		0.00	
149.00	LST		0.12	
150.00	LST	MBL	0.00	
151.00	LST	MBL	0.04	
152.00	LST	MBL	0.02	
153.00	LST	MBL	0.00	
154.00	LST	MBL	0.34	
155.00	LST	MBL	0.00	
156.00	LST	MBL	0.00	
157.00	LST	MBL	0.00	
158.00	LST	MBL	0.00	
159.00	LST	MBL	0.00	
160.00	LST	MBL	0.12	
161.00	LST	MBL	0.02	
162.00	LST	MBL	0.04	
163.00	LST	MBL	0.00	
164.00	LST	MBL	0.00	
165.00	LST	MBL	0.00	
166.00	LST	MBL	0.38	
167.00	LST	MBL	0.00	
168.00	LST	MBL	0.06	
169.00	LST	MBL	0.00	
170.00	LST	MBL	0.53	
171.00	LST	MBL	0.00	
172.00	LST	MBL	0.90	
173.00	LST	MBL	0.00	
174.00	LST	MBL	0.00	
175.00	LST	MBL	0.00	
176.00	LST	MBL	0.34	
177.00	LST	MBL	0.04	
178.00	LST	MBL	0.00	
179.00	LST	MBL	0.00	
180.00	LST	MBL	0.00	
181.00	LST	MBL	0.00	
182.00	LST	MBL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00	LST	MBL	0.12	
184.00	LST	MBL	0.08	
185.00	LST	MBL	0.00	
186.00	LST	FOS	0.00	
187.00	LST	FOS	0.00	
188.00	LST	FOS	0.00	
189.00	LST	FOS	0.00	
190.00	LST	FOS	0.02	
191.00	LST	FOS	0.04	
192.00	LST	FOS	0.26	
193.00	LST	FOS	0.06	
194.00	LST	FOS	0.00	
195.00	LST	FOS	0.00	
196.00	LST	FOS	0.00	
197.00	LST	FOS	0.00	
198.00	LST	FOS	0.41	
199.00	LST	FOS	1.10	
200.00	LST	FOS	0.04	
201.00	LST	FOS	0.08	
202.00	LST	FOS	0.16	
203.00	LST	FOS	0.57	
204.00	LST	FOS	0.14	
205.00	LST	FOS	0.14	
206.00	LST	FOS	0.00	
207.00	LST	FOS	0.10	
208.00	LST	FOS	0.73	
209.00	LST	FOS	0.00	
210.00	LST		0.08	
211.00	LST		0.10	
212.00	LST		0.00	
213.00	LST		0.00	
214.00	LST		0.00	
215.00	LST		0.00	
216.00	DOL	MX	5.49	
217.00	DOL	MX	4.96	
218.00	DOL	MX	5.16	
219.00	DOL	MX	0.00	
220.00	MBL		2.07	
221.00	VOL	CHL	0.59	
222.00	VOL	CHL	99.20	
223.00	VOL	CHL	65.50	
224.00	VOL	CHL	54.20	
225.00	VOL	CHL	1.08	
226.00	VOL	CHL	0.70	
227.00	VOL	AM	3.40	
228.00	VOL	AM	1.35	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
229.00	VOL	AM	0.38	
230.00	VOL	AM	29.90	
231.00	VOL	AM	5.80	
232.00	VOL	AM	4.01	
233.00	VOL	AM	0.00	
234.00	VOL	AM	0.00	
235.00	VOL	AM	9.30	
236.00	LST	DOL	2.97	
237.00	LST	DOL	0.00	
238.00	LST	DOL	6.23	
239.00	LST	DOL	0.00	
240.00	LST	DOL	0.00	
241.00	LST	DOL	0.00	
242.00	LST	DOL	0.00	
243.00	LST	DOL	0.00	
244.00	LST	DOL	1.66	
245.00	LST	DOL	0.08	
246.00	LST	DOL	0.00	
247.00	LST	DOL	0.00	
248.00	LST	DOL	0.02	
249.00	LST	DOL	0.51	
250.00	LST	DOL	0.00	
251.00	LST	DOL	0.00	
252.00	LST	DOL	0.22	
253.00	LST	DOL	0.00	
254.00	LST	DOL	0.00	
255.00	LST	DOL	0.00	
256.00	LST	DOL	0.00	
257.00	LST	DOL	0.00	
258.00	LST	DOL	0.00	
259.00	LST	DOL	0.00	
260.00	LST	DOL	0.00	
261.00	LST	DOL	0.04	
262.00	LST	DOL	0.00	
263.00	LST	DOL	0.00	
264.00	LST	DOL	0.00	
265.00	LST	DOL	0.02	
266.00	LST	DOL	0.00	
267.00	LST	DOL	0.00	
268.00	LST	DOL	0.00	
269.00	LST	DOL	0.02	
270.00	LST	DOL	0.00	
271.00	LST	DOL	0.43	
272.00	LST	DOL	0.00	
273.00	LST	DOL	0.00	
274.00	LST	DOL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
275.00	LST	DOL	0.00	
276.00	LST	DOL	0.00	
277.00	LST	DOL	0.00	
278.00	LST	DOL	0.30	
279.00	LST	DOL	0.00	
280.00	LST	DOL	0.00	
281.00	LST	DOL	0.00	
282.00	LST	DOL	0.28	
283.00	LST	DOL	0.00	
284.00	LST	DOL	0.36	
285.00	LST	DOL	0.26	
286.00	LST	DOL	0.00	
287.00	LST	DOL	0.02	
288.00	LST	DOL	0.00	
289.00	LST	DOL	0.28	
290.00	LST	DOL	0.04	
291.00	LST	DOL	1.76	
292.00	LST	DOL	0.00	
293.00	LST	DOL	0.00	
294.00	LST	DOL	0.38	
295.00	LST	DOL	0.00	
296.00	LST	DOL	0.45	
297.00	LST	DOL	0.00	
298.00	LST	DOL	0.14	
299.00	LST	DOL	0.71	
300.00	LST	DOL	0.00	
301.00	LST	DOL	0.00	
302.00	LST	DOL	0.00	
303.00	LST	DOL	0.00	
304.00	LST	DOL	0.06	
305.00	LST	DOL	0.32	
306.00	LST	DOL	0.06	
307.00	LST	DOL	0.00	
308.00	LST	DOL	0.00	
309.00	LST	DOL	1.29	
310.00	LST	DOL	0.36	
311.00	LST	DOL	0.00	
312.00	LST	DOL	0.00	
313.00	LST	DOL	0.00	
314.00	LST	DOL	0.00	
315.00	LST	DOL	0.02	
316.00	LST	DOL	0.47	
317.00	LST	DOL	0.00	
318.00	LST	DOL	0.00	
319.00	LST	DOL	0.10	
320.00	LST	DOL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
321.00	LST	DOL	1.29	
322.00	LST	DOL	0.00	
323.00	LST	DOL	0.96	
324.00	LST	DOL	0.00	
325.00	LST	DOL	0.00	
326.00	LST	DOL	1.04	
327.00	LST	DOL	0.08	
328.00	LST	DOL	0.69	
329.00	LST	DOL	0.00	
330.00	LST	DOL	0.00	
331.00	LST	DOL	0.00	
332.00	LST	DOL	0.00	
333.00	LST	DOL	0.00	
334.00	LST	DOL	0.00	
335.00	LST	DOL	0.55	
336.00	LST	DOL	0.00	
337.00	LST	DOL	0.00	
338.00	LST	DOL	0.08	
339.00	LST	DOL	0.00	
340.00	LST	DOL	0.00	
341.00	LST	DOL	0.00	
342.00	LST	DOL	0.00	
343.00	LST	DOL	0.00	
344.00	LST	DOL	0.00	
345.00	LST	DOL	0.00	
346.00	LST	DOL	0.00	
347.00	VOL		0.14	
348.00	VOL		0.00	
349.00	VOL		0.63	
350.00	VOL		0.00	
351.00	VOL		0.00	
352.00	VOL		2.17	
353.00	VOL		15.10	
354.00	VOL		5.90	
355.00	VOL		22.60	
356.00	VOL		10.30	
357.00	VOL		1.78	
358.00	VOL		1.45	
359.00	VOL		0.18	
360.00	LST	DOL	0.00	
361.00	LST	DOL	0.00	
362.00	LST	DOL	0.00	
363.00	LST	DOL	0.00	
364.00	LST	DOL	0.00	
365.00	LST	DOL	0.00	
366.00	LST	DOL	0.14	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
367.00	LST	DOL	0.00	
368.00	LST	DOL	0.00	
369.00	LST	DOL	0.00	
370.00	LST	DOL	0.00	
371.00	LST	DOL	0.00	
372.00	LST	DOL	0.00	
373.00	LST	DOL	0.00	
374.00	LST	DOL	0.00	
375.00	LST	DOL	0.00	
376.00	LST	DOL	0.00	
377.00	LST	DOL	0.00	
378.00	LST	DOL	0.02	
379.00	LST	MX	0.00	
380.00	LST	MX	0.00	
381.00	LST	DOL	0.00	
382.00	LST	DOL	0.00	
383.00	LST	DOL	0.02	
384.00	LST	DOL	0.00	
385.00	LST	DOL	0.00	
386.00	LST	DOL	0.04	
387.00	LST	DOL	0.00	
388.00	LST	DOL	0.00	
389.00	LST	DOL	2.84	
390.00	LST	DOL	0.00	
391.00	LST	DOL	0.38	
392.00	LST	DOL	0.00	
393.00	LST	DOL	0.00	
394.00	LST	DOL	0.00	
395.00	LST	DOL	0.10	
396.00	LST	DOL	0.04	
397.00	LST	DOL	0.49	
398.00	LST	DOL	0.57	
399.00	LST	DOL	0.49	
400.00	LST	DOL	1.23	
401.00	LST	DOL	0.00	
402.00	LST	DOL	1.04	
403.00	LST	DOL	0.00	
404.00	LST	DOL	0.00	
405.00	LST	DOL	0.00	
406.00	LST	DOL	0.00	
407.00	LST	DOL	0.00	
408.00	LST	DOL	0.00	
409.00	LST	DOL	0.00	

DENSITY LOG

HOLE: Rau-10-98

Depth (m)	Unit	Modifier	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
			Py %	As %	Other	%							
24.00	LST	FOS						14.7	4.2	546.4	345.7	2.74	2.72
44.42	LST	FOS						15.5	4.2	550.0	368.7	2.61	3.03
75.55	LST							14.5	4.2	550.3	348.9	2.79	2.73
148.85	LST							14.3	4.2	546.1	356.3	2.81	2.88
203.85	LST	FOS						14.6	4.2	550.3	346.4	2.77	2.70
273.94	LST	DOL					SBx	14.8	4.2	568.7	364.9	2.83	2.79
293.14	LST	DOL					CBx, camo	15.0	4.2	582.5	376.7	2.86	2.83
301.85	LST							15.7	4.2	601.2	388.6	2.82	2.83

BOX LOG

HOLE: Rau-10-98

BOX	FROM (m)	TO (m)
1	2.97	8.46
2	8.46	13.95
3	13.95	19.41
4	19.41	24.88
5	24.88	30.48
6	30.48	36.04
7	36.04	41.56
8	41.56	47.19
9	47.19	52.69
10	52.69	58.30
11	58.30	63.90
12	63.90	69.51
13	69.51	75.14
14	75.14	80.79
15	80.79	86.41
16	86.41	92.00
17	92.00	97.69
18	97.69	103.45
19	103.45	109.12
20	109.12	114.87
21	114.87	120.55
22	120.55	126.13
23	126.13	131.78
24	131.78	137.27
25	137.27	142.84
26	142.84	148.25
27	148.25	153.84
28	153.84	159.38
29	159.38	165.15
30	165.15	170.69
31	170.69	175.36
32	175.36	181.90
33	181.90	187.52
34	187.52	193.08
35	193.08	198.79
36	198.79	204.56
37	204.56	210.31
38	210.31	216.03
39	216.03	221.80
40	221.80	227.07
41	227.07	232.81
42	232.81	238.24
43	238.24	243.84
44	243.84	249.55
45	249.55	255.08
46	255.08	260.47
47	260.47	265.95
48	265.95	271.60
49	271.60	277.25
50	277.25	282.52
51	282.52	287.93
52	287.93	293.70
53	293.70	299.17
54	299.17	304.97
55	304.97	310.50
56	310.50	316.11
57	316.11	321.72
58	321.72	327.42
59	327.42	333.07
60	333.07	338.53
61	338.53	344.00
62	344.00	349.71
63	349.71	355.25
64	355.25	360.69
65	360.69	366.29
66	366.29	371.85
67	371.85	377.60
68	377.60	379.46
69	379.46	385.10
70	385.10	390.79
71	390.79	396.34
72	396.34	402.00
73	402.00	407.60
74	407.60	409.96
409.96 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
09+750NW	09+177NE	528525	7118734	1297	593.45

ZONE: SE side of Fault

SECTION: 09+750 NW

HOLE: **Rau-10-99**

CLAIM: Rau 56

Contractor: Superior

Drill: 2

Core size: HQ to 36.57 m - NQ

Casing depth: 36.57 m out

Drilling dates: July 12-21, 2010

Geology logged by: E. Theissen

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	48	-75.0	compass	438.00	61	-75.5	Ranger
57.00	51	-74.0	Ranger	499.00	66	-75.8	Ranger
194.20	62	-74.8	Ranger	544.70	68	-75.6	Ranger
239.90	65	-75.0	Ranger	559.90	69	-75.6	Ranger

TARGET: Bottom side of marble

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	0.61	0.61	OVB	
0.61	1.50	0.89	LST	Rubbly
1.50	9.51	8.01	VOL	
9.51	14.06	4.55	LST	Dolomitized
14.06	21.16	7.10	VOL	
21.16	278.71	257.55	MBL	
278.71	287.48	8.77	VOL	Magnetite rich conglomerate
287.48	330.54	43.06	LEP	
330.54	341.00	10.46	LST	
341.00	368.51	27.51	DOL	Mineralized
368.51	387.25	18.74	LST	Mineralized
387.25	490.54	103.29	LEP	
490.54	504.88	14.34	LST	With common VOL interbeds
504.88	575.55	70.67	LST	
575.55	585.00	9.45	VOL	
585.00	593.45	8.45	LST	
593.45	E.O.H.			

SAMPLES

Numbers: I076205-I076217, I076262-I076264
I076340-I076381, I076434-I076456, I076462-I076469

Total: 86

Batch: 48, 49, 52, 54, 55

Date Sent: July 20, 21, 23

Certificate: VA10089878, VA10089877, VA10099507
VA10102742, VA10102741

COMMENTS

The hole was ended because it was successfully tested below the marble and found a slightly new style of mineralization.

GEOLOGY LOG

HOLE: Rau-10-99

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	0.61	0.61				OVB			Overburden - no recovery																		
0.61	1.50	0.89				LST	RBL		Very broken medium grey to dark grey LST with thin Ca VT running along the FO.																		
1.50	9.51	8.01				VOL			Medium blue grey, FG, non-calcareous, moderately to strongly dolomitized LST with patches of light orange alteration. MG, black, soft, non-magnetic spots are disseminated and patchy throughout along the following. Trace Po and As are also disseminated throughout. The uCN and lCN are both fairly altered an orange-brown colour. The lCN has moderate disseminated patchy Py.	FO	35			ms						t	t	t					
			1.50	4.50	3.00	VOL	OX		Light orange yellow, very broken, core to clay, predominantly rubble, some of which have planar surfaces with a sheen (SER). The lCN is gradational with trace Po in the VOL below.							s		SER	s			t				
			4.50	8.54	4.04	VOL			Medium blue grey, FG VOL with patches of light orange to green alteration. MG spots of black mineral with trace associated Po are aligned along the FO, defining a banded pattern. FG to MG, disseminated and subhedral As occurs trace throughout. Po is FG to MG, disseminated. Trace emerald green smeared spots of Fu. The first 50 cm of interval has < 1 cm white to buff variably calcareous clasts. The black spotting is locally altered to a light green colour.											t	t	Fu	t			
			8.54	9.51	0.97	VOL	Ca		Light green-grey to bright orange-brown, SER altered and OX altered, FG, FO Ca rich VOL. White, MG Ca spots with brown rims occur over a 15 cm patchy area. The last 10 cm have FG massive Py patches which continue to next interval (locally strong, but weak overall).										w							

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
9.51	14.06	4.55				LST	DOL		Light to medium grey, FG, variably DOL LST with medium grey to light buff SER altered VOL rich layers. Ca VT occur at various orientations. FG to CG, brassy, disseminated and patchy Py occurs throughout. The patches are up to 3 cm wide and found preferentially in VOL rich layers. Localized cBX of the more DOL altered areas occurs. The uCN has intense DOL alteration for the first 2 m which grades into increased VOL layering in LST that is increasingly MBL.					f						w							
14.06	21.16	7.10				VOL			Medium grey with light yellow to buff SER altered VOL zone that is variably magnetic and has conglomeratic zones. The clasts are <1 cm in diameter and variably contain calcite and quartz.																		
			14.06	16.05	1.99	VOL	SER		Light yellow-green to buff, FG, weakly calcareous, non-magnetic SER altered VOL. FG to MG Py is disseminated throughout defining the FO. Intense SER alteration occurs near an irregular Ca VT.									SER	i	t								
			16.05	21.16	5.11	VOL			Medium grey, spotty, variably magnetic, weakly calcareous VOL. The black spots are FG to MG variably magnetic and locally form rims around Ca patches. Zones up to 35 cm long of subrounded Qz conglomerate occur with clasts < 3 cm. The clasts are sometimes lithologically different. Zones of buff coloured SER alteration are often associated with Ca veinlets. The last 40 cm have weakly concentrated DOL/LST clasts that are < 1 cm long, subangular and locally elongate to a very weak FO. Orange brown OX zones > 10 cm occur. No MX was identified.																		
21.16	278.71	257.55				MBL			White to grey, FG to MG MBL with varying concentration of dark grey overprinted seams. These seams define the moderately define the FO.	uCN	70															
										FO	30																
			47.10	61.14	14.04				Light orange coloured MBL with bright orange-red alteration coating on fractures. Bold, dark grey seams that do not appear overprinted, have a weakly stylolitic texture and occur in addition to the overprinted variety.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			79.73	85.72	5.99				Grey to very pale green, FG to MG, weakly foliatec silty-argillaceous mudstone with very weak primary textures.																		
									The foliation is defined by grain size separation ir pseudo-layering	FO	35																
			89.55	104.00	14.45	MBL			White to pale pink to purple, non foliated MBL, with abundant broken core. Undulation fractures around 0 deg TCA are often filled green to brown gouge material. Fracture surfaces are commonly red-rusty																He	t	
									Foliation is weakly defined by brittle fracturing	FO	0																
			160.63	164.00	3.37	MBL			MBL with trace magnetite in dark wisps defining the foliation.	FO	50														Mg	t	
			248.00							FO	25																
			260.00							FO	35																
			271.00	278.00	7.00	MBL			White Italian MBL with black to deep green to brown infilling of a sBx like structure/texture, with associated fine-grained anhedral Py. The brown portions are rich in Bi while the green are rich in Cl.											ms							
278.71	287.48	8.77				VOL	Mg	CGL	Dark grey to deep pale green VOL with a spotted tc foliated magnetic pebble conglomerate texture. The unit varies from well foliated with distinct foliation bands of grey to green minerals to a deep grey colour with magnetite clasts are that elongated with the foliation. The classic pebble conglomerate clasts and matrix are somewhat distorted with strain but some obvious clasts are visible. This unit is moderate to strongly magnetic and has undergone shear.																Mg	ms	
			278.71						Moderate foliation defined by elongation of pebbl clasts.	FO	30																
			285.00						Moderate foliation defined by elongation of pebbl clasts.	FO	65																
287.48	330.54	43.06				LEP			Brown to white-grey foliated LEP unit. Ca and Bi overprint and intrude along a foliation and comprise the majority of the unit. This intruding phase chews up and destroys wispy grey to pale yellow SER altered pumice clasts. This is therefore most likely a volcanic ash fall. Py and Po occur in anhedral masses within the calcite flooded areas as well as being associated with minor Fu. At the lCN includes irregular rhodenite and Qz veins.											w		w						

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			288.00							FO	45																
			297.00							FO	0																
			306.00						undulating	FO	0																
			324.00						undulating	FO	0																
			328.00							FO	30																
330.54	341.00	10.46				LST			Foliated grey FG LST with minor strained appearance. uCN has minor sBx with dogtooth Ca spar infill and thin veneers of bitumen lining spar. Sporadic vein flooded intervals of overprinting sparry DOL and Qz occur throughout. Late FG anhedral dissemination Py and Po overprinting the unit as a whole. Medium subhedral splashy Py occurs with the DOL at the lower contact.										t		t	Sp	t			
			331.00							FO	40																
			339.00						Undulating	FO	0																
341.00	368.51	27.51				DOL	MX		White to light grey CG sparry DOL with disseminated Py, As, Po ad Bs. The DOL brittly fractures along he foliation and follow angular DOL grain boundaries. The foliation hosts fine-grained anhedral to subhedral, dull to shiny Py and Po. Trace Bs occurs associated with Po. As also occurs in coarse-euhedral disseminated crystals within the DOL. Euhedral ANK, DOL, Qz, Ac and euhedral Po occur within the spaces between coarse grained crystals. Fracture surfaces host euhedral fine-grained Mg as well as smeared Cl and small white radiating Tc crystals. As is concentrated within sparry DOL and also associated with an increase in Py and Po concentration increase at the lCN. The Py and Po overprint the DOL and As well as occurring within the foliation.					100	t				m	w	m	Bs	t			x

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
368.51	387.25	18.74				LST	MX		Grey FG extensively solution collapse brecciated LST with subsequent matrix infilling of a Ca dogtooth spar lined with a thin veneer of tabular bitumen clasts and final vug filling Qz. This LST is fairly strained and often forms a foliation with pinching and swelling portions that help define the foliation along with stylolitic dissolution. This unit is overprinted by a white CG sparry DOL phase in random locations. Overprinting the dolomitized limestone, occurring between grain boundaries is a FG anhedral Po and a MG subhedral Py. CG euhedral disseminated to patchy As occurs in trace amounts within the LST. Some fibrous DOL vein opening occurs and has since been irregularly deformed. The lCN is intruded by coarse grey anhedral Qz and a higher concentration of Py and Po between Qz grains. Green fibrous to plumose Tc occurs and has been since silicified.					w							f	w	f					x
			373.00							FO	45																
			383.00						Low angle and dolomitizec	FO	20																
387.25	490.54	103.29				LEP			Dark brown to grey, episodically foliated to massive Ca rich and Bi rich LEP. Clasts are often brown to grey, wispy, irregular 1 mm- 1 cm in size and rimmed by Bi and Ca. Trace disseminated Py and Po occurs throughout. Coarse Qz Ca veins occur and cut the LEP unit and have associated Po and green Cl? LEP is occasionally mottled by a dark brown to dark-grey colouration.													t		t					x
			387.25							FO	30																
			396.00							FO	40																
			406.00							FO	25																
			426.00							FO	40																
									Slightly deformed coarse grained Po-Ca-Qz veir with minor muscovite.	VN	35											w						
			468.48	481.00	12.52	LEP			Veining increases in this unit, CG Qz-Ca angular with anhedral Py and Po as well as dark green Cl and trace subhedral fine red sphalerite. This unit has less distinct foliation than other portions likely due to the intruding fluids. At 475.00 m a coarse euhedral pseudo-hexagonal aragonite vein formed cutting the LEP. The aragonite has very fine-grained euhedral dodecahedron Py on the surface of crystals.												t		t	Sp	t			
									Slightly irregular Py-o-Ca-Sp veinle	VN	40												t		t	Sp	t			

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									The LEP becomes more pervasively brown with increased Bi, Py and Po content. Small off-white angular fragments occur near the contact, some are possibly fossil fragments mixed up with VOL ash.	ICN										w		w					
			455.00							FO	30																
			466.00							FO	30																
			489.00							FO	30																
490.54	504.88	14.34				LST	VOL		Grey to brown to pale yellow interfingering DOL and soft sediment deformed wackestones and wispy argillaceous to ash rich silicified altered VOL. Contacts of the interfingering lithologies are sharp. LST is grey, foliated, soft sediment deformed with rare cryptic fossil fragments. Bioturbitation causes irregular bedding in various shades of grey with minor black lime mud. The VOL is light grey to pale yellow, fine-grained, wispy and foliated. Many of the fragments resemble ash-pumice fragments that have since been sericitized. Py is FG anhedral and disseminated and commonly concentrates around VOL clasts. Po is massive anhedral and occurs in masses along foliation as well as in a massive overprinting texture associated with grey to white anhedral Qz. Minor Fu occurs throughout the VOL.					t				SER	w	w		w						
									Foliation is mainly defined by bedding with minor strain.	FO	40																
504.88	575.55	70.67				LST			Grey FG fossil-poor lime-mudstone with variable sections of marbleized LST and episodic sBX LST. Moderately foliation is defined by bedding that has undergone moderate bioturbation and soft-sediment deformation. Small areas of heterogeneous strain partitioning has separated the unit into more rheologically competent units. Minor beds of bryozoans occur.	sBx									t			Sp	t			
									Weak foliation defined by bioturbated and sofl sediment deformation textures.	FO	40																
									Irregular Qz-Ca vein with the same composition as sBx vug infilling fluids.	VN																	
			515.92	518.07	2.15	LST			Numerous black 1 cm-scale brittely broken up chert nodules within lime-mudstone.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			530.56	544.40	13.84	LST			Extensively sBx limestone unit, vugs are lined by Ca dogtooth spar and minor bitumen, followed by vug infilling of Qz-Ca. Minor red sphalerite occurs with this quartz phase and along late brittle fractures. Minor fibrous green to white Tc also occurs.																		
			558.56	565.29	6.73	LST	MX													f		t					
									A fair foliation is defined by bedding	FO	40																
									CG DOL-Ca-Tc vein that runs parallel to the foliation.	VN	40																
									Marbleized LST forms a gradational contact into the massive Po of the next unit.	LCN																	
			570.54	575.55	5.01	LST	MX		Grey fine grained lime-mudstone with variable amounts of intruding Qz and DOL, weak Po and trace Py throughout. Sulphides occur with and between Qz grain boundaries as Qz intrudes irregularly, and is associated with fibrous green Tc. Coarse grained, grey DOL also occurs with close proximity to the Qz veining. The lime mud is mildly bioturbated but mostly laminar foliations that resemble bedding, which is later broken up by fluids.						w					t		w						
									A fair foliation is defined by bedding	FO	40																
575.55	585.00	9.45				VOL	ALT		Brown to grey to pale yellow banded and SER altered VOL. Bands consist of brown Bi rich, grey silicified ash and argillaceous material, and pale yellow wispy SER VOL ash with minor Cl. Po and minor Py intrudes irregularly and along a foliation in massive anhedral masses up to 15 cm wide. patchy Qz also occurs irregularly.											t		w						
									Ca-Po-Py and minor Ca veinlet	VN	30	185	2														
										FO	50																
									20 cm of massive Po.	uCN																	
									Marbleized LST	lCN																	
585.00	593.45	8.45				LST			Grey to dark grey lime-mudstone with minor cBx and marbleization. Minor bioturbation makes bedding slightly irregular, upper contact is marbleized. Small traces of cryptic fossil fragments are present but unidentifiable.																		
									593.45 m: E.O.H. - The hole was ended because it was very deep and had successfully tested the lowe side of the marble.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-10-99

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
1.50	4.50	3.00	VOL	OX	1.20	40	I076205	48	0.73	0.46	1210	2.47	
4.50	6.70	2.20	VOL		1.94	88	I076206	48	0.02	0.31	16	0.24	
6.70	8.54	1.84	VOL		1.78	97	I076207	48	0.05	0.35	1100	0.24	
8.54	9.51	0.97	VOL		0.97	100	I076209	48	0.12	0.52	604	3.93	
9.51	11.28	1.77	LST		1.73	98	I076210	48	0.20	0.35	99	6.91	
11.28	14.06	2.78	LST		2.78	100	I076211	48	0.16	0.22	94	2.64	
14.06	16.05	1.99	VOL	SER	1.85	93	I076213	48	<0.01	2.10	516	1.87	
16.05	18.90	2.85	VOL		2.68	94	I076214	48	0.01	<0.01	183	0.23	
18.90	21.16	2.26	VOL		2.09	92	I076215	48	0.01	<0.01	11	0.25	
21.16	23.47	2.31	MBL		2.17	94	I076216	48	0.03	0.02	13	0.08	
23.47	26.52	3.05	MBL		3.01	99	I076217	48	<0.01	<0.01	10	0.14	
160.63	163.63	3.00	MBL		2.97	99	I076262	49	<0.01	0.02	12	0.06	Break in sequence
163.63	166.00	2.37	MBL		2.37	100	I076263	49	<0.01	<0.01	7	0.04	
270.00	273.00	3.00	MBL		2.93	98	I076340	52	<0.01	0.02	18	0.03	Break in sequence
273.00	276.00	3.00	MBL		2.96	99	I076341	52	0.02	0.11	16	0.03	
276.00	278.71	2.71	MBL		2.70	100	I076342	52	0.02	0.09	10	0.08	
278.71	281.00	2.29	VOL	CGL	2.29	100	I076343	52	0.02	0.14	14	0.25	
281.00	283.00	2.00	VOL	CGL	1.65	83	I076344	52	<0.01	0.07	2	0.05	
283.00	285.00	2.00	VOL	CGL	2.00	100	I076345	52	<0.01	0.11	2	0.05	
285.00	287.48	2.48	VOL	CGL	2.48	100	I076347	52	<0.01	0.11	2	0.09	
287.48	290.00	2.52	VOL	CGL	2.50	99	I076348	52	<0.01	0.10	<5	0.05	
290.00	293.00	3.00	LEP		3.00	100	I076349	52	<0.01	0.11	<5	0.07	
293.00	296.00	3.00	LEP		2.93	98	I076350	52	0.01	0.07	<5	0.11	
315.00	317.16	2.16	LEP		2.16	100	I076351	52	0.01	0.17	8	1.52	
328.00	330.54	2.54	LEP		2.54	100	I076352	52	<0.01	0.34	43	2.31	
330.54	333.00	2.46	LEP		2.44	99	I076353	52	0.02	0.19	15	1.73	
333.00	336.00	3.00	LEP		2.99	100	I076354	52	0.05	0.37	46	4.54	
336.00	339.00	3.00	LEP		2.73	91	I076355	52	0.08	1.13	61	6.97	
339.00	341.00	2.00	LEP		2.01	101	I076356	52	0.11	0.13	652	17.90	
341.00	344.00	3.00	DOL	MX	3.00	100	I076357	52	0.03	0.31	105	56.00	
344.00	347.00	3.00	DOL	MX	2.95	98	I076358	52	0.02	0.37	59	28.60	
347.00	350.00	3.00	DOL	MX	3.00	100	I076359	52	0.03	0.85	160	68.20	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
350.00	353.00	3.00	DOL	MX	2.95	98	I076360	52	0.03	0.22	24	216.00	
353.00	356.00	3.00	DOL	MX	2.85	95	I076362	52	0.01	0.14	31	92.40	
356.00	359.00	3.00	DOL	MX	2.65	88	I076363	52	0.04	0.21	181	37.80	
359.00	362.00	3.00	DOL	MX	2.95	98	I076365	52	0.13	0.27	262	49.30	
362.00	365.00	3.00	DOL	MX	2.92	97	I076366	52	0.04	0.11	238	6.18	
365.00	367.00	2.00	DOL	MX	1.99	100	I076367	52	0.09	0.12	473	10.15	
367.00	368.51	1.51	DOL	MX	1.45	96	I076368	52	0.37	0.16	32100	13.55	
368.51	371.00	2.49	LST	MX	2.49	100	I076370	52	0.05	0.07	1150	10.30	
371.00	374.00	3.00	LST	MX	2.98	99	I076372	52	0.22	0.09	3000	24.70	
374.00	377.00	3.00	LST	MX	2.95	98	I076373	53	0.19	0.11	726	12.40	
377.00	380.00	3.00	LST	MX	3.00	100	I076374	53	0.41	0.17	7190	34.00	
380.00	383.00	3.00	LST	MX	3.00	100	I076375	53	0.20	0.19	534	24.30	
383.00	385.00	2.00	LST	MX	2.00	100	I076376	53	0.06	0.11	88	4.30	
385.00	387.25	2.25	LST	MX	2.23	99	I076377	53	0.03	0.28	26	2.38	
387.25	390.00	2.75	LEP		2.70	98	I076379	53	<0.01	<0.01	15	0.51	
390.00	393.00	3.00	LEP		2.99	100	I076380	53	<0.01	0.08	25	0.18	
466.00	468.48	2.48	LEP		2.48	100	I076434	54	<0.01	0.17	6	0.55	
468.48	471.00	2.52	LEP	Sp	2.50	99	I076435	54	0.04	0.23	6	1.46	Break in sequence
489.00	490.54	1.54	LST	VOL	1.54	100	I076439	54	<0.01	1.80	2	15.35	
490.54	493.23	2.69	LST	VOL	2.67	99	I076440	54	<0.01	0.11	<5	1.25	
493.23	496.00	2.77	LST	VOL	2.75	99	I076441	54	<0.01	0.12	30	2.30	
496.00	499.00	3.00	LST	VOL	3.00	100	I076442	54	0.01	0.18	17	1.09	
499.00	502.00	3.00	LST	VOL	3.00	100	I076443	54	<0.01	0.32	27	2.92	
502.00	504.88	2.88	LST	VOL	2.88	100	I076445	55	0.01	0.27	14	4.30	
504.88	507.00	2.12	LST		2.11	100	I076446	55	0.05	0.10	17	2.35	
533.00	535.00	2.00	LST		1.99	100	I076447	55	0.01	0.16	16	2.72	
535.00	537.00	2.00	LST		2.00	100	I076448	55	0.01	0.12	13	1.21	
556.00	558.56	2.56	LST		2.56	100	I076449	55	<0.01	0.02	9	1.03	
558.00	561.00	3.00	LST	MX	2.44	81	I076450	55	0.02	0.08	199	24.90	
561.00	564.00	3.00	LST	MX	3.00	100	I076451	55	0.11	0.05	186	13.40	
564.00	565.29	1.29	LST	MX	1.29	100	I076453	55	0.01	0.02	11	1.14	
565.29	568.00	2.71	LST	MX	2.70	100	I076454	55	<0.01	0.03	20	0.94	
568.00	570.54	2.54	LST	MX	2.54	100	I076455	55	0.01	0.13	10	26.50	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
570.54	573.00	2.46	LST	MX	2.45	100	I076462	55	<0.01	0.43	13	32.50	Break in sequence
573.00	575.55	2.55	LST	MX	2.53	99	I076463	55	0.01	0.28	17	33.30	
575.55	578.00	2.45	VOL		2.45	100	I076464	55	<0.01	0.13	4	1.50	
578.00	581.00	3.00	VOL		3.00	100	I076465	55	<0.01	0.40	3	2.84	
581.00	583.00	2.00	VOL		2.00	100	I076466	55	<0.01	0.39	10	2.81	
583.00	585.00	2.00	VOL		2.00	100	I076467	55	<0.01	0.38	58	11.45	
585.00	588.00	3.00	LST		3.00	100	I076469	55	<0.01	0.03	21	1.98	
-	-	-	-	-	-	-	I076208	48	<0.01	<0.01	7	0.15	Blank (NQ)
-	-	-	-	-	-	-	I076212	48	0.38	1.68	6560	74.40	Standard (RSS-8)
163.63	166.00	2.37	MBL		2.37	100	I076264	49	0.01	<0.01	6	0.03	Duplicate
-	-	-	-	-	-	-	I076346	52	<0.01	0.01	6	0.05	Blank (NQ)
350.00	353.00	3.00	DOL	MX	2.95	98	I076361	52	0.02	0.15	43	276.00	Duplicate
-	-	-	-	-	-	-	I076364	52	2.57	0.75	1880	99.00	Standard (RESS 8)
-	-	-	-	-	-	-	I076369	52	2.70	0.71	1860	98.80	Standard (RESS 8)
-	-	-	-	-	-	-	I076371	52	0.01	0.02	<5	0.34	Blank (NQ)
-	-	-	-	-	-	-	I076378	53	2.90	0.92	1770	104.00	Standard (RESS 8)
-	-	-	-	-	-	-	I076381	53	<0.01	<0.01	<5	0.08	Blank (NQ)
499.00	502.00	3.00	LST	VOL	3.00	100	I076444	54	<0.01	0.38	16	5.00	Duplicate
-	-	-	-	-	-	-	I076452	55	2.76	0.80	1810	108.00	Standard (RESS 8)
-	-	-	-	-	-	-	I076456	55	<0.01	0.02	<5	0.29	Blank (NQ)
583.00	585.00	2.00	VOL		2.00	100	I076468	55	0.01	0.44	69	7.93	Duplicate

GEOTECHNICAL LOG

HOLE: Rau-10-99

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
0.61	2.13	1.52	0.51	34	0	0	W	HW		
2.13	3.66	1.53	0.36	24	0.00	0	W	EW		
3.66	5.18	1.52	0.91	60	0.00	0	W	HW		
5.18	6.70	1.52	1.52	100	1.10	72	MS	SW		
6.70	8.23	1.53	1.34	88	0.75	49	MS	SW		
8.23	9.75	1.52	1.50	99	1.11	73	MS	SW		
9.75	11.28	1.53	1.50	98	1.41	92	MS	SW		
11.28	12.80	1.52	1.52	100	1.30	86	MS	SW		
12.80	14.32	1.52	1.48	97	0.88	58	MS	SW		
14.32	15.85	1.53	1.42	93	1.25	82	MS	SW		
15.85	17.87	2.02	1.39	69	1.04	51	MS	SW		
17.87	18.90	1.03	1.38	134	0.81	79	MS	SW		
18.90	20.42	1.52	1.49	98	0.93	61	MS	SW		
20.42	21.95	1.53	1.53	100	1.32	86	MS	SW		
21.95	23.47	1.52	1.42	93	1.29	85	MS	SW		
23.47	24.99	1.52	1.52	100	1.15	76	MS	SW		
24.99	26.52	1.53	1.52	99	0.83	54	MS	SW		
26.52	28.04	1.52	1.52	100	1.49	98	MS	SW		
28.04	29.57	1.53	1.50	98	1.28	84	MS	SW		
29.57	31.09	1.52	1.34	88	0.98	64	MS	SW		
31.09	32.61	1.52	1.52	100	1.34	88	MS	SW		
32.61	34.14	1.53	1.42	93	1.11	73	MS	SW		
34.14	35.66	1.52	1.09	72	0.61	40	MS	SW		
35.66	38.71	3.05	3.03	99	2.69	88	MS	SW		
38.71	41.76	3.05	2.68	88	2.12	70	MS	SW		
41.76	44.81	3.05	2.94	96	2.49	82	MS	SW		
44.81	47.85	3.04	3.04	100	2.25	74	MS	SW		
47.85	50.90	3.05	3.00	98	2.90	95	MS	SW		
50.90	53.95	3.05	2.84	93	2.25	74	MS	SW		
53.95	57.00	3.05	3.05	100	2.57	84	MS	SW		
57.00	60.04	3.04	2.91	96	1.07	35	MS	SW		
60.04	63.09	3.05	2.97	97	1.49	49	MS	SW		
63.09	66.14	3.05	3.00	98	2.21	72	MS	SW		
66.14	69.19	3.05	2.79	91	1.51	50	MS	SW		
69.19	72.24	3.05	3.05	100	2.19	72	MS	SW		
72.24	75.29	3.05	3.05	100	2.72	89	MS	SW		
75.29	78.33	3.04	2.89	95	2.40	79	MS	SW		
78.33	81.38	3.05	3.05	100	0.87	29	MS	SW		
81.38	84.43	3.05	2.43	80	0.72	24	MS	SW		
84.43	87.48	3.05	2.67	88	0.95	31	MS	SW		
87.48	90.53	3.05	2.77	91	1.34	44	MS	SW		
90.53	93.57	3.04	2.64	87	0.46	15	MS	SW		
93.57	96.62	3.05	2.52	83	0.97	32	MS	SW		
96.62	99.67	3.05	2.08	68	0.26	9	MS	MW		
99.67	102.72	3.05	2.80	92	1.64	54	MS	SW		
102.72	105.77	3.05	2.67	88	1.11	36	MS	MW		
105.77	108.81	3.04	2.88	95	1.73	57	MS	SW		
108.81	111.86	3.05	3.01	99	2.22	73	MS	SW		
111.86	114.91	3.05	2.87	94	1.37	45	MS	SW		
114.91	117.96	3.05	2.95	97	1.13	37	MS	SW		
117.96	121.01	3.05	2.93	96	2.26	74	MS	SW		
121.01	124.05	3.04	3.04	100	2.51	83	MS	SW		
124.05	127.10	3.05	3.04	100	2.88	94	MS	SW		
127.10	130.15	3.05	2.92	96	2.43	80	MS	SW		
130.15	133.20	3.05	2.77	91	1.24	41	MS	SW		
133.20	136.25	3.05	2.13	70	0.44	14	MS	SW		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
136.25	139.29	3.04	2.89	95	2.17	71	MS	SW		
139.29	142.34	3.05	3.02	99	2.88	94	MS	SW		
142.34	145.39	3.05	2.86	94	2.41	79	MS	SW		
145.39	148.44	3.05	2.85	93	1.64	54	MS	SW		
148.44	151.49	3.05	2.98	98	2.16	71	MS	SW		
151.49	154.53	3.04	3.04	100	2.34	77	MS	SW		
154.53	157.58	3.05	3.05	100	2.80	92	MS	SW		
157.58	160.63	3.05	3.01	99	2.95	97	MS	SW		
160.63	163.68	3.05	3.05	100	2.97	97	MS	SW		
163.68	166.73	3.05	3.05	100	2.68	88	MS	FR		
166.73	169.77	3.04	3.04	100	2.90	95	MS	FR		
169.77	172.82	3.05	3.05	100	3.04	100	MS	FR		
172.82	175.87	3.05	3.04	100	2.98	98	MS	FR		
175.87	178.92	3.05	3.01	99	2.59	85	MS	FR		
178.92	181.97	3.05	2.94	96	2.81	92	MS	FR		
181.97	185.01	3.04	3.04	100	3.00	99	MS	FR		
185.01	188.06	3.05	3.00	98	2.84	93	S	FR		
188.06	191.11	3.05	3.05	100	2.60	85	S	FR		
191.11	194.16	3.05	3.00	98	2.97	97	MS	FR		
194.16	197.21	3.05	3.05	100	2.94	96	MS	SW		
197.21	200.25	3.04	3.04	100	3.02	99	S	SW		
200.25	203.30	3.05	3.05	100	2.95	97	S	SW		
203.30	206.35	3.05	3.05	100	3.05	100	MS	SW		
206.35	209.40	3.05	3.05	100	2.60	85	S	SW		
209.40	212.45	3.05	3.05	100	2.91	95	S	SW		
212.45	215.49	3.04	3.05	100	2.58	85	S	SW		
215.49	218.54	3.05	3.03	99	2.88	94	S	SW		
218.54	221.59	3.05	3.03	99	2.85	93	S	SW		
221.59	224.64	3.05	3.04	100	2.98	98	S	SW		
224.64	227.69	3.05	3.05	100	3.05	100	S	SW		
227.69	230.73	3.04	3.04	100	2.90	95	S	SW		
230.73	233.78	3.05	3.05	100	3.05	100	S	SW		
233.78	236.83	3.05	3.05	100	2.96	97	S	SW		
236.83	239.88	3.05	3.05	100	3.05	100	S	SW		
239.88	242.92	3.04	3.04	100	2.93	96	S	SW		
242.92	245.97	3.05	3.05	100	2.99	98	MS	SW		
245.97	249.02	3.05	3.05	100	2.97	97	S	SW		
249.02	252.07	3.05	3.05	100	2.88	94	S	SW		
252.07	255.12	3.05	2.99	98	2.84	93	S	SW		
255.12	258.17	3.05	3.05	100	2.74	90	S	SW		
258.17	261.21	3.04	3.05	100	2.71	89	S	SW		
261.21	264.26	3.05	3.05	100	2.87	94	S	SW		
264.26	267.31	3.05	3.01	99	2.68	88	S	SW		
267.31	270.36	3.05	3.05	100	3.05	100	S	SW		
270.36	273.41	3.05	3.02	99	2.95	97	S	SW		
273.41	276.45	3.04	3.04	100	2.93	96	S	SW		
276.45	279.50	3.05	3.02	99	2.88	94	S	SW		
279.50	282.55	3.05	2.69	88	1.76	58	MS	FR		
282.55	285.60	3.05	3.00	98	2.78	91	MS	FR		
285.60	288.65	3.05	3.03	99	2.77	91	MS	FR		
288.65	291.69	3.04	3.04	100	2.72	89	MS	FR		
291.69	294.74	3.05	3.00	98	2.25	74	MS	FR		
294.74	297.78	3.04	3.04	100	2.39	79	MS	FR		
297.78	300.84	3.06	3.05	100	2.86	93	MS	FR		
300.84	303.89	3.05	3.01	99	2.76	90	MS	FR		
303.89	306.93	3.04	3.03	100	2.55	84	MS	FR		
306.93	309.98	3.05	3.05	100	2.15	70	MS	FR		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
309.98	313.03	3.05	2.98	98	2.27	74	MS	FR		
313.03	316.08	3.05	3.05	100	2.27	74	MS	FR		
316.08	319.13	3.05	3.05	100	2.61	86	MS	FR		
319.13	322.17	3.04	3.01	99	2.84	93	MS	FR		
322.17	325.22	3.05	3.05	100	2.80	92	MS	FR		
325.22	328.27	3.05	3.05	100	2.93	96	MS	FR		
328.27	331.32	3.05	3.05	100	2.80	92	MS	FR		
331.32	334.36	3.04	3.03	100	2.84	93	MS	FR		
334.36	337.41	3.05	3.03	99	2.90	95	MS	FR		
337.41	340.46	3.05	2.82	92	2.73	90	MS	FR		
340.46	343.51	3.05	3.05	100	3.00	98	MS	FR		
343.51	346.56	3.05	2.99	98	2.93	96	MS	FR		
346.56	349.61	3.05	3.05	100	2.86	94	MS	FR		
349.61	352.65	3.04	2.98	98	2.75	90	MS	FR		
352.65	355.70	3.05	2.91	95	2.70	89	MS	FR		
355.70	358.75	3.05	2.70	89	2.12	70	MS	FR		
358.75	361.80	3.05	3.05	100	2.23	73	MS	FR		
361.80	364.84	3.04	2.95	97	2.95	97	MS	FR		
364.84	367.87	3.03	3.03	100	3.03	100	MS	FR		
367.87	370.94	3.07	3.07	100	3.07	100	MS	FR		
370.94	373.99	3.05	3.01	99	2.97	97	MS	FR		
373.99	377.04	3.05	3.00	98	2.94	96	MS	FR		
377.04	380.09	3.05	3.04	100	3.04	100	MS	FR		
380.09	383.13	3.04	3.00	99	2.94	97	MS	FR		
383.13	386.18	3.05	3.05	100	3.05	100	MS	FR		
386.18	389.23	3.05	3.05	100	2.56	84	MS	FR		
389.23	392.28	3.05	2.96	97	2.54	83	MS	FR		
392.28	395.33	3.05	3.05	100	2.35	77	MS	FR		
395.33	398.37	3.04	3.04	100	3.04	100	MS	FR		
398.37	401.42	3.05	2.96	97	2.82	92	MS	FR		
401.42	404.47	3.05	3.05	100	3.00	98	MS	FR		
404.47	407.52	3.05	2.98	98	2.98	98	MS	FR		
407.52	410.57	3.05	3.04	100	3.04	100	MS	FR		
410.57	413.61	3.04	3.04	100	3.04	100	MS	FR		
413.61	416.66	3.05	3.02	99	3.02	99	MS	FR		
416.66	419.71	3.05	3.05	100	3.05	100	MS	FR		
419.71	422.76	3.05	3.03	99	3.03	99	MS	FR		
422.76	425.81	3.05	3.04	100	2.75	90	MS	FR		
425.81	428.85	3.04	2.95	97	2.60	86	MS	FR		
428.85	431.90	3.05	3.04	100	2.37	78	MS	FR		
431.90	434.95	3.05	3.02	99	2.98	98	MS	FR		
434.95	438.00	3.05	3.03	99	3.01	99	MS	FR		
438.00	441.05	3.05	2.94	96	2.92	96	MS	FR		
441.05	444.09	3.04	2.99	98	2.91	96	MS	FR		
444.09	447.14	3.05	3.02	99	2.94	96	MS	FR		
447.14	450.19	3.05	3.05	100	2.93	96	MS	FR		
450.19	453.24	3.05	2.93	96	2.37	78	MS	FR		
453.24	456.28	3.04	3.03	100	3.03	100	MS	FR		
456.28	459.33	3.05	3.02	99	2.92	96	MS	FR		
459.33	462.38	3.05	3.03	99	3.03	99	MS	FR		
462.38	465.43	3.05	3.04	100	3.04	100	MS	FR		
465.43	468.48	3.05	3.05	100	2.26	74	MS	FR		
468.48	471.53	3.05	3.01	99	2.66	87	MS	FR		
471.53	474.57	3.04	3.01	99	2.77	91	MS	FR		
474.57	477.62	3.05	3.05	100	2.48	81	MS	FR		
477.62	480.67	3.05	2.97	97	2.25	74	MS	FR		
480.67	483.72	3.05	3.02	99	2.76	90	MS	FR		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
483.72	486.77	3.05	3.00	98	2.45	80	MS	FR		
486.77	489.81	3.04	2.98	98	2.98	98	MS	FR		
489.81	492.86	3.05	2.96	97	2.87	94	MS	FR		
492.86	495.91	3.05	3.01	99	3.01	99	MS	FR		
495.91	498.96	3.05	3.01	99	3.01	99	MS	FR		
498.96	502.01	3.05	3.05	100	3.02	99	MS	FR		
502.01	505.05	3.04	3.04	100	2.85	94	MS	FR		
505.05	508.10	3.05	3.04	100	2.93	96	MS	FR		
508.10	511.15	3.05	3.00	98	2.99	98	MS	FR		
511.15	514.20	3.05	3.05	100	2.99	98	MS	FR		
514.20	517.25	3.05	3.05	100	3.05	100	MS	FR		
517.25	520.29	3.04	3.04	100	2.99	98	MS	FR		
520.29	523.34	3.05	3.03	99	2.90	95	MS	FR		
523.34	526.39	3.05	3.04	100	2.84	93	MS	FR		
526.39	529.44	3.05	3.03	99	2.39	78	MS	FR		
529.44	532.49	3.05	3.05	100	2.93	96	MS	FR		
532.49	535.53	3.04	3.04	100	2.65	87	MS	FR		
535.53	538.58	3.05	3.02	99	2.83	93	MS	FR		
538.58	541.63	3.05	3.05	100	2.97	97	MS	FR		
541.63	544.68	3.05	3.05	100	2.98	98	MS	FR		
544.68	547.73	3.05	3.05	100	3.05	100	MS	FR		
547.73	550.77	3.04	3.04	100	3.05	100	MS	FR		
550.77	553.82	3.05	3.05	100	3.05	100	MS	FR		
553.82	556.87	3.05	3.05	100	3.05	100	MS	FR		
556.87	559.92	3.05	3.05	100	3.00	98	MS	FR		
559.92	562.97	3.05	3.05	100	2.96	97	MS	FR		
562.97	566.01	3.04	3.05	100	2.86	94	MS	FR		
566.01	569.06	3.05	3.05	100	2.83	93	MS	FR		
569.06	572.11	3.05	3.05	100	3.05	100	MS	FR		
572.11	575.16	3.05	3.01	99	2.96	97	MS	FR		
575.16	578.21	3.05	3.03	99	2.64	87	MS	FR		
578.21	581.25	3.04	2.99	98	2.68	88	MS	FR		
581.25	584.30	3.05	2.98	98	2.75	90	MS	FR		
584.30	587.35	3.05	2.99	98	2.99	98	MS	FR		
587.35	590.40	3.05	2.70	89	0.90	30	MS	FR		
590.40	593.45	3.05	2.04	67	1.12	37	MS	FR		E.O.H.

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-10-99

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	LST	RBL	0.00	
2.00	VOL	OX	0.35	
3.00	VOL	OX	0.18	
4.00	VOL	OX	0.42	
5.00	VOL		1.29	
6.00	VOL		2.53	
7.00	VOL		0.20	
8.00	VOL		0.20	
9.00	VOL	Ca	1.31	
10.00	LST	DOL	0.05	
11.00	LST	DOL	0.00	
12.00	LST	DOL	0.11	
13.00	LST	DOL	1.49	
14.00	LST	DOL	2.55	
15.00	VOL	SER	3.47	
16.00	VOL	SER	0.42	
17.00	VOL		0.31	
18.00	VOL		0.20	
19.00	VOL		27.60	
20.00	VOL		7.45	
21.00	VOL		0.58	
22.00	MBL		0.00	
23.00	MBL		0.20	
24.00	MBL		0.00	
25.00	MBL		0.00	
26.00	MBL		0.01	
27.00	MBL		0.03	
28.00	MBL		0.01	
29.00	MBL		0.00	
30.00	MBL		0.00	
31.00	MBL		0.00	
32.00	MBL		0.00	
33.00	MBL		0.00	
34.00	MBL		0.13	
35.00	MBL		0.00	
36.00	MBL		0.00	
37.00	MBL		0.00	
38.00	MBL		0.05	
39.00	MBL		0.00	
40.00	MBL		0.03	
41.00	MBL		0.00	
42.00	MBL		0.00	
43.00	MBL		0.00	
44.00	MBL		0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	MBL		0.00	
46.00	MBL		0.00	
47.00	MBL		0.00	
48.00	MBL		0.08	
49.00	MBL		0.00	
50.00	MBL		0.00	
51.00	MBL		0.13	
52.00	MBL		0.00	
53.00	MBL		0.00	
54.00	MBL		0.00	
55.00	MBL		1.61	
56.00	MBL		0.00	
57.00	MBL		0.26	
58.00	MBL		0.05	
59.00	MBL		0.01	
60.00	MBL		0.05	
61.00	MBL		1.61	
62.00	MBL		8.83	
63.00	MBL		2.41	
64.00	MBL		1.89	
65.00	MBL		4.40	
66.00	MBL		0.01	
67.00	MBL		0.21	
68.00	MBL		0.10	
69.00	MBL		22.90	
70.00	MBL		1.09	
71.00	MBL		0.08	
72.00	MBL		0.72	
73.00	MBL		1.19	
74.00	MBL		0.03	
75.00	MBL		0.43	
76.00	MBL		1.05	
77.00	MBL		4.06	
78.00	MBL		0.00	
79.00	MBL		8.60	
80.00	MBL		70.80	
81.00	MBL		119.00	
82.00	MBL		85.60	
83.00	MBL		94.80	
84.00	MBL		1.95	
85.00	MBL		59.00	
86.00	MBL		1.72	
87.00	MBL		2.23	
88.00	MBL		2.04	
89.00	MBL		0.00	
90.00	MBL		0.09	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	MBL		0.86	
92.00	MBL		0.49	
93.00	MBL		9.09	
94.00	MBL		1.39	
95.00	MBL		0.14	
96.00	MBL		0.82	
97.00	MBL		0.49	
98.00	MBL		2.96	
99.00	MBL		3.31	
100.00	MBL		0.00	
101.00	MBL		0.00	
102.00	MBL		0.43	
103.00	MBL		0.45	
104.00	MBL		1.83	
105.00	MBL		0.00	
106.00	MBL		10.00	
107.00	MBL		0.87	
108.00	MBL		12.70	
109.00	MBL		0.03	
110.00	MBL		0.00	
111.00	MBL		0.00	
112.00	MBL		0.00	
113.00	MBL		0.00	
114.00	MBL		0.00	
115.00	MBL		0.05	
116.00	MBL		0.51	
117.00	MBL		3.11	
118.00	MBL		2.61	
119.00	MBL		0.54	
120.00	MBL		0.27	
121.00	MBL		0.00	
122.00	MBL		0.00	
123.00	MBL		0.00	
124.00	MBL		0.03	
125.00	MBL		0.00	
126.00	MBL		0.00	
127.00	MBL		0.00	
128.00	MBL		0.00	
129.00	MBL		0.00	
130.00	MBL		0.00	
131.00	MBL		0.00	
132.00	MBL		0.00	
133.00	MBL		0.05	
134.00	MBL		0.00	
135.00	MBL		0.00	
136.00	MBL		0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	MBL		0.00	
138.00	MBL		0.00	
139.00	MBL		0.00	
140.00	MBL		0.00	
141.00	MBL		0.00	
142.00	MBL		0.00	
143.00	MBL		0.14	
144.00	MBL		0.00	
145.00	MBL		0.00	
146.00	MBL		0.00	
147.00	MBL		0.10	
148.00	MBL		0.03	
149.00	MBL		0.00	
150.00	MBL		0.00	
151.00	MBL		0.00	
152.00	MBL		0.00	
153.00	MBL		0.00	
154.00	MBL		0.10	
155.00	MBL		0.00	
156.00	MBL		1.00	
157.00	MBL		0.00	
158.00	MBL		0.00	
159.00	MBL		0.00	
160.00	MBL		0.00	
161.00	MBL		18.00	
162.00	MBL		23.90	
163.00	MBL		0.00	
164.00	MBL		0.03	
165.00	MBL		0.00	
166.00	MBL		0.00	
167.00	MBL		0.00	
168.00	MBL		0.01	
169.00	MBL		0.00	
170.00	MBL		0.01	
171.00	MBL		0.03	
172.00	MBL		0.00	
173.00	MBL		0.00	
174.00	MBL		0.03	
175.00	MBL		0.01	
176.00	MBL		0.10	
177.00	MBL		0.00	
178.00	MBL		0.01	
179.00	MBL		0.03	
180.00	MBL		0.00	
181.00	MBL		0.07	
182.00	MBL		0.07	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00	MBL		0.10	
184.00	MBL		0.00	
185.00	MBL		0.00	
186.00	MBL		0.03	
187.00	MBL		0.03	
188.00	MBL		0.05	
189.00	MBL		0.32	
190.00	MBL		0.05	
191.00	MBL		0.05	
192.00	MBL		0.03	
193.00	MBL		0.00	
194.00	MBL		0.18	
195.00	MBL		0.29	
196.00	MBL		0.54	
197.00	MBL		0.27	
198.00	MBL		0.00	
199.00	MBL		0.10	
200.00	MBL		0.00	
201.00	MBL		0.00	
202.00	MBL		0.00	
203.00	MBL		0.03	
204.00	MBL		0.12	
205.00	MBL		0.00	
206.00	MBL		0.01	
207.00	MBL		0.03	
208.00	MBL		0.07	
209.00	MBL		0.07	
210.00	MBL		0.00	
211.00	MBL		0.01	
212.00	MBL		0.00	
213.00	MBL		0.01	
214.00	MBL		0.00	
215.00	MBL		0.05	
216.00	MBL		0.03	
217.00	MBL		0.00	
218.00	MBL		0.00	
219.00	MBL		0.00	
220.00	MBL		0.00	
221.00	MBL		0.00	
222.00	MBL		0.00	
223.00	MBL		0.00	
224.00	MBL		0.01	
225.00	MBL		0.10	
226.00	MBL		0.00	
227.00	MBL		0.00	
228.00	MBL		0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
229.00	MBL		0.00	
230.00	MBL		0.20	
231.00	MBL		0.07	
232.00	MBL		0.03	
233.00	MBL		0.00	
234.00	MBL		0.00	
235.00	MBL		0.00	
236.00	MBL		0.00	
237.00	MBL		0.00	
238.00	MBL		0.00	
239.00	MBL		0.05	
240.00	MBL		0.00	
241.00	MBL		0.00	
242.00	MBL		0.00	
243.00	MBL		0.27	
244.00	MBL		0.01	
245.00	MBL		0.00	
246.00	MBL		0.01	
247.00	MBL		0.00	
248.00	MBL		0.07	
249.00	MBL		0.00	
250.00	MBL		0.03	
251.00	MBL		0.00	
252.00	MBL		0.00	
253.00	MBL		0.00	
254.00	MBL		0.07	
255.00	MBL		0.05	
256.00	MBL		0.00	
257.00	MBL		0.00	
258.00	MBL		0.09	
259.00	MBL		0.01	
260.00	MBL		0.00	
261.00	MBL		0.00	
262.00	MBL		0.00	
263.00	MBL		0.00	
264.00	MBL		0.00	
265.00	MBL		0.01	
266.00	MBL		0.16	
267.00	MBL		0.00	
268.00	MBL		0.10	
269.00	MBL		0.14	
270.00	MBL		0.00	
271.00	MBL		0.00	
272.00	MBL		0.05	
273.00	MBL		0.09	
274.00	MBL		0.01	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
275.00	MBL		1.13	
276.00	MBL		0.93	
277.00	MBL		0.56	
278.00	MBL		0.34	
279.00	CGL	Mg	263.00	
280.00	CGL	Mg	479.00	
281.00	CGL	Mg	85.00	
282.00	CGL	Mg	148.00	
283.00	CGL	Mg	330.00	
284.00	CGL	Mg	547.00	
285.00	CGL	Mg	279.00	
286.00	CGL	Mg	319.00	
287.00	CGL	Mg	1.34	
288.00	LEP		1.46	
289.00	LEP		4.81	
290.00	LEP		4.81	
291.00	LEP		24.70	
292.00	LEP		0.60	
293.00	LEP		20.40	
294.00	LEP		0.47	
295.00	LEP		0.38	
296.00	LEP		0.58	
297.00	LEP		0.34	
298.00	LEP		0.31	
299.00	LEP		0.42	
300.00	LEP		0.47	
301.00	LEP		0.51	
302.00	LEP		0.43	
303.00	LEP		2.34	
304.00	LEP		4.48	
305.00	LEP		8.25	
306.00	LEP		1.31	
307.00	LEP		0.34	
308.00	LEP		0.45	
309.00	LEP		0.25	
310.00	LEP		0.47	
311.00	LEP		2.98	
312.00	LEP		6.71	
313.00	LEP		4.46	
314.00	LEP		3.49	
315.00	LEP		12.80	
316.00	LEP		11.00	
317.00	LEP		3.05	
318.00	LEP		3.25	
319.00	LEP		1.09	
320.00	LEP		0.53	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
321.00	LEP		9.38	
322.00	LEP		4.77	
323.00	LEP		5.05	
324.00	LEP		1.28	
325.00	LEP		1.44	
326.00	LEP		0.34	
327.00	LEP		1.92	
328.00	LEP		2.32	
329.00	LEP		1.59	
330.00	LEP		0.34	
331.00	LST		1.77	
332.00	LST		5.45	
333.00	LST		0.38	
334.00	LST		2.50	
335.00	LST		2.61	
336.00	LST		3.12	
337.00	LST		0.14	
338.00	LST		0.00	
339.00	LST		5.43	
340.00	LST		7.21	
341.00	LST		10.50	
342.00	MX	DOL	12.50	
343.00	MX	DOL	2.26	
344.00	MX	DOL	13.50	
345.00	MX	DOL	0.54	
346.00	MX	DOL	54.80	
347.00	MX	DOL	39.20	
348.00	MX	DOL	15.50	
349.00	MX	DOL	37.80	
350.00	MX	DOL	27.20	
351.00	MX	DOL	28.50	
352.00	MX	DOL	14.80	
353.00	MX	DOL	19.50	
354.00	MX	DOL	10.50	
355.00	MX	DOL	31.90	
356.00	MX	DOL	13.60	
357.00	MX	DOL	37.70	
358.00	MX	DOL	15.30	
359.00	MX	DOL	49.30	
360.00	MX	DOL	29.90	
361.00	MX	DOL	47.80	
362.00	MX	DOL	6.45	
363.00	MX	DOL	21.50	
364.00	MX	DOL	6.58	
365.00	MX	DOL	1.97	
366.00	MX	DOL	11.90	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
367.00	MX	DOL	12.10	
368.00	MX	DOL	14.10	
369.00	MX	LST	4.75	
370.00	MX	LST	0.32	
371.00	MX	LST	4.30	
372.00	MX	LST	3.25	
373.00	MX	LST	9.91	
374.00	MX	LST	8.28	
375.00	MX	LST	2.67	
376.00	MX	LST	1.40	
377.00	MX	LST	1.17	
378.00	MX	LST	7.74	
379.00	MX	LST	3.44	
380.00	MX	LST	6.05	
381.00	MX	LST	4.55	
382.00	MX	LST	1.75	
383.00	MX	LST	5.54	
384.00	MX	LST	3.44	
385.00	MX	LST	0.56	
386.00	MX	LST	15.60	
387.00	MX	LST	3.03	
388.00	LEP		2.32	
389.00	LEP		1.61	
390.00	LEP		0.27	
391.00	LEP		0.31	
392.00	LEP		1.06	
393.00	LEP		0.00	
394.00	LEP		0.38	
395.00	LEP		0.65	
396.00	LEP		0.53	
397.00	LEP		0.47	
398.00	LEP		0.20	
399.00	LEP		0.71	
400.00	LEP		0.34	
401.00	LEP		0.03	
402.00	LEP		0.00	
403.00	LEP		0.18	
404.00	LEP		0.09	
405.00	LEP		0.40	
406.00	LEP		0.32	
407.00	LEP		0.56	
408.00	LEP		0.12	
409.00	LEP		0.40	
410.00	LEP		0.62	
411.00	LEP		0.56	
412.00	LEP		0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
413.00	LEP		0.00	
414.00	LEP		0.25	
415.00	LEP		0.76	
416.00	LEP		0.53	
417.00	LEP		0.82	
418.00	LEP		0.84	
419.00	LEP		0.20	
420.00	LEP		0.32	
421.00	LEP		0.54	
422.00	LEP		0.98	
423.00	LEP		0.75	
424.00	LEP		0.56	
425.00	LEP		0.36	
426.00	LEP		0.40	
427.00	LEP		0.73	
428.00	LEP		0.60	
429.00	LEP		0.65	
430.00	LEP		0.23	
431.00	LEP		0.47	
432.00	LEP		0.84	
433.00	LEP		0.62	
434.00	LEP		0.71	
435.00	LEP		0.32	
436.00	LEP		0.82	
437.00	LEP		0.76	
438.00	LEP		0.52	
439.00	LEP		0.18	
440.00	LEP		0.42	
441.00	LEP		0.32	
442.00	LEP		0.47	
443.00	LEP		0.40	
444.00	LEP		0.42	
445.00	LEP		0.42	
446.00	LEP		0.36	
447.00	LEP		0.32	
448.00	LEP		0.38	
449.00	LEP		0.49	
450.00	LEP		0.53	
451.00	LEP		0.64	
452.00	LEP		0.67	
453.00	LEP		0.64	
454.00	LEP		0.62	
455.00	LEP		0.45	
456.00	LEP		0.54	
457.00	LEP		0.43	
458.00	LEP		0.91	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
459.00	LEP		0.27	
460.00	LEP		0.47	
461.00	LEP		0.21	
462.00	LEP		0.45	
463.00	LEP		0.62	
464.00	LEP		0.32	
465.00	LEP		0.69	
466.00	LEP		0.40	
467.00	LEP		0.76	
468.00	LEP		0.34	
469.00	LEP		0.45	
470.00	LEP		0.51	
471.00	LEP		0.98	
472.00	LEP		0.80	
473.00	LEP		0.53	
474.00	LEP		0.07	
475.00	LEP		0.67	
476.00	LEP		0.42	
477.00	LEP		0.58	
478.00	LEP		2.10	
479.00	LEP		1.86	
480.00	LEP		8.60	
481.00	LEP		11.70	
482.00	LEP		2.83	
483.00	LEP		11.10	
484.00	LEP		20.70	
485.00	LEP		1.99	
486.00	LEP		2.92	
487.00	LEP		6.53	
488.00	LEP		4.66	
489.00	LEP		20.60	
490.00	LEP		24.30	
491.00	LST	VOL	0.25	
492.00	LST	VOL	1.46	
493.00	LST	VOL	1.24	
494.00	LST	VOL	3.91	
495.00	LST	VOL	1.70	
496.00	LST	VOL	50.10	
497.00	LST	VOL	43.20	
498.00	LST	VOL	49.20	
499.00	LST	VOL	0.42	
500.00	LST	VOL	34.70	
501.00	LST	VOL	32.60	
502.00	LST	VOL	1.18	
503.00	LST	VOL	2.12	
504.00	LST	VOL	55.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
505.00	LST		4.57	
506.00	LST		0.41	
507.00	LST		0.00	
508.00	LST		0.04	
509.00	LST		0.04	
510.00	LST		0.00	
511.00	LST		0.00	
512.00	LST		0.00	
513.00	LST		0.00	
514.00	LST		0.00	
515.00	LST		0.02	
516.00	LST		0.02	
517.00	LST		0.00	
518.00	LST		0.02	
519.00	LST		0.02	
520.00	LST		0.00	
521.00	LST		0.00	
522.00	LST		0.00	
523.00	LST		0.00	
524.00	LST		0.00	
525.00	LST		0.14	
526.00	LST		1.51	
527.00	LST		0.00	
528.00	LST		0.06	
529.00	LST		0.26	
530.00	LST		0.10	
531.00	LST		0.00	
532.00	LST		0.00	
533.00	LST		0.00	
534.00	LST		0.00	
535.00	LST		0.30	
536.00	LST		0.73	
537.00	LST		0.22	
538.00	LST		0.04	
539.00	LST		0.00	
540.00	LST		0.02	
541.00	LST		0.00	
542.00	LST		0.00	
543.00	LST		0.22	
544.00	LST		0.04	
545.00	LST		0.00	
546.00	LST		0.14	
547.00	LST		0.14	
548.00	LST		1.76	
549.00	LST		0.47	
550.00	LST		0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
551.00	LST		0.43	
552.00	LST		0.06	
553.00	LST		0.24	
554.00	LST		0.00	
555.00	LST		0.02	
556.00	LST		0.12	
557.00	LST		0.00	
558.00	LST		0.04	
559.00	LST	MX	1.37	
560.00	LST	MX	0.43	
561.00	LST	MX	0.00	
562.00	LST	MX	0.28	
563.00	LST	MX	0.49	
564.00	LST	MX	0.34	
565.00	LST	MX	0.55	
566.00	LST		0.12	
567.00	LST		0.08	
568.00	LST		2.07	
569.00	LST		6.25	
570.00	LST	MX	7.79	
571.00	LST	MX	3.42	
572.00	LST	MX	5.74	
573.00	LST	MX	13.70	
574.00	LST	MX	6.55	
575.00	LST	MX	0.14	
576.00	LST		2.65	
577.00	LST		2.81	
578.00	LST		13.50	
579.00	LST		40.40	
580.00	LST		23.20	
581.00	LST		0.84	
582.00	LST		37.80	
583.00	LST		37.00	
584.00	LST		37.10	
585.00	VOL	ALT	0.14	
586.00	LST		0.00	
587.00	LST		0.00	
588.00	LST		0.00	
589.00	LST		0.00	
590.00	LST		0.01	
591.00	LST		0.00	
592.00	LST		0.00	
593.00	LST		0.00	

DENSITY LOG

HOLE: Rau-10-99

Depth (m)	Unit	Modifier	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
			Py %	As %	Other	%							
31.20	LST	cBX						14.8	6.1	1116.9	732.4	2.61	2.90
75.00	MBL							14.7	5.0	803.3	507.3	2.75	2.71
117.00	MBL							14.6	5.0	792.6	500.7	2.73	2.72
160.00	MBL							15.1	5.0	820.2	517.0	2.73	2.71
204.85	MBL							15.1	5.0	813.5	513.0	2.71	2.71
248.45	LST							14.1	5.0	763.6	481.7	2.72	2.71
325.00	LEP		f					14.7	5.0	869.4	574.9	2.97	2.95
378.00	DOL		m	w				19.5	5.0	1209.3	821.9	3.12	3.12
500.82	LST	MX						17.9	5.0	1051.3	698.0	2.95	2.98
560.40	LST	VOL	f		Po	f		14.7	5.0	932.7	638.5	3.19	3.17
578.35	VOL	MX			Po	f		17.4	5.0	1059.8	714.8	3.06	3.07

BOX LOG

HOLE: Rau-10-99

BOX	FROM (m)	TO (m)
1	0.61	6.60
2	6.60	10.50
3	10.50	14.52
4	14.52	18.48
5	18.48	22.50
6	22.50	26.73
7	26.73	30.91
8	30.91	35.17
9	35.17	40.70
10	40.70	46.23
11	46.23	51.59
12	51.59	57.00
13	57.00	62.23
14	62.23	67.46
15	67.46	73.25
16	73.25	78.73
17	78.73	83.64
18	83.64	88.81
19	88.81	94.04
20	94.04	99.60
21	99.60	105.11
22	105.11	110.57
23	110.57	115.83
24	115.83	121.17
25	121.17	126.78
26	126.78	132.47
27	132.47	138.16
28	138.16	143.62
29	143.62	148.95
30	148.95	154.24
31	154.24	159.91
32	159.91	165.55
33	165.55	171.05
34	171.05	176.73
35	176.73	182.51
36	182.51	187.95
37	187.95	193.36
38	193.36	198.88
39	198.88	204.23
40	204.23	209.40
41	209.40	212.45
42	212.45	218.02
43	218.02	223.56
44	223.56	229.39
45	229.39	234.92
46	234.92	240.41
47	240.41	245.97
48	245.97	251.30
49	251.30	256.80
50	256.80	261.92
51	261.92	267.31
52	267.31	272.75
53	272.75	278.09
54	278.09	283.95
55	283.95	289.63
56	289.63	295.29
57	295.29	300.84
58	300.84	306.42
59	306.42	312.15
60	312.15	317.52
61	317.52	323.18
62	323.18	328.84
63	328.84	334.36
64	334.36	340.16
65	340.16	345.20
66	345.20	350.72
67	350.72	356.16
68	356.16	361.61
69	361.61	367.17
70	367.17	372.75
71	372.75	378.42
72	378.42	384.03
73	384.03	389.67
74	389.67	395.36
75	395.36	400.87
76	400.87	406.14
77	406.14	411.54
78	411.54	416.81
79	416.81	422.45
80	422.45	427.64
81	427.64	432.80
82	432.80	438.00
83	438.00	443.88
84	443.88	449.42
85	449.42	445.15
86	445.15	460.79
87	460.79	466.33
88	466.33	471.90
89	471.90	477.36
90	477.36	482.93
91	482.93	488.19
92	488.19	493.48
93	493.48	498.96
94	498.96	504.39
95	504.39	510.00
96	510.00	515.59
97	515.59	521.22
98	521.22	526.86
99	526.86	532.49
100	532.49	538.13
101	538.13	543.74
102	543.74	549.17
103	549.17	554.69
104	554.69	559.92
105	559.92	565.44
106	565.44	570.71
107	570.71	576.21
108	576.21	581.84
109	581.84	587.35
110	587.35	593.45
593.45 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
		532157	7118007	1070	269.75

ZONE: Intrusion

SECTION: Not on a section line.

HOLE: **Rau-Sc10-05**

CLAIM: R237

Contractor: Superior

Drill: 1

Core size: BTW

Casing depth: 17 (m) out

Drilling dates: May 22-26, 2010

Geology logged by: J. Lane, E.Thiessen, K.Unger

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	0	-50.0	compass	131.07	3	-50.5	Ranger
39.62	360	-50.0	Ranger	161.55	4	-50.4	Ranger
70.10	1	-50.8	Ranger	222.51	7	-49.9	Ranger
100.59	1	-51.2	Ranger	252.99	11	-48.8	Ranger

TARGET: High magnetic anomaly

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	4.70	4.70	OVB	
4.70	16.31	11.61	TIL	Glacial Clay
16.31	59.18	42.87	LST	Marbleized
59.18	128.98	69.80	MBL	
128.98	141.43	12.45	INT	Felsic Intrusive
141.43	171.90	30.47	MBL	
171.90	173.55	1.65	SKN	
173.55	193.97	20.42	MBL	
193.97	194.75	0.78	SKN	
194.75	217.00	22.25	MBL	
217.00	222.30	5.30	INT	Felsic Intrusive
222.30	225.70	3.40	MBL	
225.70	227.33	1.63	INT	Felsic Intrusive
227.33	231.00	3.67	MBL	
231.00	269.75	38.75	INT	Felsic Intrusive
269.75	E.O.H.			

SAMPLES

Numbers: I074501-I074556

Total: 57

Batch: 1, 2

Date Sent: June 7

Certificate: VA10073648, VA10073649

COMMENTS

The hole was ended because it was well into the felsic intrusion with no signs of a significant source for the high magnetic anomaly.

GEOLOGY LOG

HOLE: Rau-Sc10-05

INTERVAL			SUBINTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	4.70	4.70				OVB			Overburden - no recovery																		
4.70	16.31	11.61				TIL			Dark grey glacial till, mostly silt and clay with dispersed cobble sized angular fragments.																		
			15.24	16.31	1.07	TIL			Dark grey banded silts and clays.	FO	55																
16.31	59.18	42.87				LST	MBL		Grey to dark grey fine-grained limestone interfingered with coarse grained marbleized zones. Marbleized zones are very impure and dirty, with a rust-cinnamon colour to white sugary colour. Often associated with crackle breccia.									MBL	ms								X
									Moderately defined foliation	FO	60																
									Oblique to foliation are calcite veinlets at the sub-cm scale associated with a rusty oxidized colour.	VN	30	180	5														
			34.55	40.30	5.75					cBr																		
59.18	128.98	69.80				MBL			Coarse-grained impure marble. Brick red to buff white with a dark gray foliation.																		X
										FO	40																
										VN	30	225	4														
			99.60	100.00	0.40				Foliation is perpendicular TCA	FO	0																
			99.60	99.70	0.10			Fg																				
			99.60	128.98	29.38	MBL			Marble subunit is quite dirty and red-rust colour with grey foliations.	FO	80																X
			123.10						Dark green CG soft Ca/Cl VT	VN	15	90	4														
128.98	141.43	12.45				INT	FEL		Fine to medium-grained felsic intrusive, light to medium grey in colour with 10 cm zones of graphic to granophyric quartz. vCG pegmatitic texture is also present. Usually 70% quartz, both smoky and white quartz. 15 % plag, 15% tremolite/actinolite? Quartz crystals up to 3 cm. Plag crystals up to 1 cm long and hard to distinguish between white quartz since both are hard around 6-7. Mafic crystals are up to 1 cm and 2-3 mm wide forming fibrous bowtie shape bundles. Zones of yellow cream alteration occur bounded by 1 cm of a deep-green mineral with yellow-cream alteration. Trace FG Py is hosted as disseminations in dark minerals. Start to see orange-red very soft alteration at 139.43 - 140.28 m felsic fault gouge area. Fault gouge has some small red garnets occurs weakly.														Gn	w			X

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUBINTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	Photo
									Upper contact is sharp and has a 5 cm green alteration halo of actinolite.	uCN	60																
			139.10	141.43	2.33					lCN																	
141.43	171.90	30.47				MBL			Light to medium grey coarse-grained marble, very clean with distinct foliations.																	
									Foliation undulates up to 20 degrees in either direction from measurement.	FO	5																
			170.00	171.90	1.90				Foliation steepens closer to contact with basal unit. Some breaks in core along the foliation reveal an anhedral purple mineral in the sub-mm size.	FO	50																
171.90	173.55	1.65				SKN			Dark green unit consisting of 60 % fibrous actinolite, minor fine-grained euhedral pyrite parallel to wavy laminations. Pyrite also occurs as 0.7 mm dodecahedral-euhedral crystals in bands up to 4 cm thick. Light-grey to cream coloured interfingerings of fine-grained marble occur throughout unit. Also small sub-angular fluorescent mineral occurs in trace amounts and sub-mm in size.											w							X
									The wavy foliation is defined as bands of marble with minor actinolite and actinolite with pyrite.	FO	40																
173.55	193.97	20.42				MBL			Light to grey coarse-grained clean marble with strong undulating foliations. Some partial intersections with skarn zones occur at 193.07 m as dark green actinolite rich with some fine-grained pyrite.											t							
									Strong yet undulating. Foliation become less apparent closer to the interfingerings of skarn mineralization.	FO	10																
										CN	20																
193.97	194.75	0.78				SKN			Deep green fibrous actinolite 90 %, alternating with light green actinolite to produce foliation. Pyrite is fine-grained and occurs as zones within the foliation as well as disseminated.																		
										FO	50																
194.75	217.00	22.25				MBL			Light to medium grey coarse grained clean marble with a strong foliation. Unit is interfingered with skarn mineralization and calcite veins.											t		t					
										FO	50																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUBINTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									Calcite veins 0.7 cm wide with some amphibole and a green mineral, epidote (?) that rims the vein and has weathered pits in the centre of the mineral.	VN	30	80	1									w					
									Vein parallel to foliation 1-10 cm thick filled with coarse grained 1 cm euhedral calcite crystals and minor fine-grained pyrite with trace cryptic red mineral, sphalerite/rhodochrosite/hematite? 50 degree veins are crosscut by 30 degree veins.	VN	50		1							f							
			195.70	196.60	0.90	SKN			Fibrous dark green actinolite and pyrrhotite interfingering in the marble unit with abruptly chilled contacts.													w					
									High angle and undulatory, near marble contact.	FO	2																
			210.30	212.00	1.70			FT	Calcite rock flour and gouge																		
			212.00	213.00	1.00				Undulating foliation.	FO	0																
			213.00	217.00	4.00				Contact with basal intrusive is parallel to this foliation	FO	50																
217.00	222.30	5.30				INT	FEL		Medium to coarse-grained light to medium grey felsic intrusive. About 90% quartz both angular smoky quartz and white quartz. Often graphic quartz texture is present in small sections. Po and Py are FG subcrystalize overprints to fine wispyveinlets. Trace Mg with crystals up to 4 mm long.										t		t	Mg	t				
									Sharply grades into intrusive from Skarn mineralogy over a 15 cm interval.	uCN																	
222.30	225.70	3.40				MBL			Coarse-grained grey clean marble with strong foliation.																		
										FO	50																
									Calcite with small anhedral black and green minerals, amphibole-epidote?.	VN	45		0.5														
225.70	227.33	1.63				INT	FEL		Coarse-grained felsic intrusive 70-90% quartz both smoky and white. Intergranular actinolite is also present. Upper contact is abrupt and highly enriched in actinolite, lower contact is similar but smaller.																		
227.33	231.00	3.67				MBL			Coarse-grained grey foliated marble.																		
										FO	85																
									0.2 cm calcite vein.	VN	15	100															
										FO	60																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUBINTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	Photo
231.00	269.75	38.75				INT	FEL		Coarse-grained felsic intrusive grey in colour. Around 80% quartz both as smoky and white variety, 20% dark-pale green to creamy mineral epidote/fluorite? 5-10 % biotite and hornblende as 1-5 mm euhedral crystals dispersed in the rock. 1-2 cm plagioclase laths dispersed throughout interval, appears to be very weathered in basal part of section. The green mineral ranges from deep-green to a light creamy green and is generally softer with lighter colour. The deep green minerals occur together and grade into the creamy green minerals, maybe fluid alteration front?											t	t	t	Sp	t			X
			231.00	249.00	18.00				All the plagioclase and green minerals in this portion are as hard as the quartz which lies interstitial to these minerals.									SIL	S								X
			249.00	269.00	20.00				Deep green minerals become very soft as well as plagioclase shows argillic alteration and a higher percentage of clay minerals in the core. Muscovite (?) in trace amounts. Green mineral hardness changes from 6 to 2.5. The core is visibly more altered and has weathered pits and breaks readily. Trace disseminated FG Py throughout.									Alt		t							X
									Sparse 1 cm to 0.5 cm veins filled with coarse-grained euhedral dolomite/ankerite rimmed with trace fine-grained pyrite and arsenopyrite and mayb pyrrhotite and sphalerite. Veins are high angle therefore vein density may not be indicative of a representative the real sample density. Veins only occur near the end of the hole.	VN	10		0.2								t	t	t	Sp	t			
									269.75 m: E.O.H. The hole was ended because it getting quite deep and had achieved the targeted Rackla Pluton.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-Sc10-05

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
120.00	123.00	3.00	MBL		2.97	99	I074501	1	0.02	1.37	24	2.21	
123.00	124.97	1.97	MBL		1.91	97	I074502	1	0.01	0.89	6	4.29	
124.97	127.82	2.85	MBL		1.74	61	I074503	1	<0.01	0.28	<5	0.42	
127.82	128.92	1.10	MBL		1.10	100	I074504	1	<0.01	0.07	<5	1.41	
128.92	131.43	2.51	INT	FEL	1.53	61	I074505	1	<0.01	0.09	1	1.90	
131.43	134.44	3.01	INT	FEL	1.84	61	I074506	1	<0.01	<0.01	2	0.48	
134.44	136.88	2.44	INT	FEL	1.27	52	I074508	1	<0.01	<0.01	1	1.73	
136.88	139.09	2.21	INT	FEL	1.47	67	I074509	1	<0.01	4.42	4	350.00	
139.09	141.42	2.33	INT	FEL	1.71	73	I074510	1	<0.01	0.63	0	1.85	
141.42	144.20	2.78	MBL		2.46	88	I074511	1	<0.01	0.05	<5	0.50	
144.20	147.03	2.83	MBL		2.83	100	I074512	1	<0.01	0.04	<5	0.21	
147.03	150.01	2.98	MBL		2.84	95	I074513	1	<0.01	0.03	<5	0.18	
169.00	171.90	2.90	MBL		2.90	100	I074514	1	<0.01	0.16	<5	0.44	
171.90	173.55	1.65	SKN		1.55	94	I074515	1	0.01	4.13	0	1.75	
173.55	176.60	3.05	MBL		3.05	100	I074517	1	<0.01	0.51	5	1.12	
176.60	178.14	1.54	MBL		1.54	100	I074518	1	<0.01	0.12	<5	0.82	
190.50	191.36	0.86	MBL		0.86	100	I074519	1	<0.01	0.05	<5	1.79	
191.36	193.00	1.64	MBL		1.64	100	I074520	1	<0.01	0.06	<5	1.23	
193.00	194.75	1.75	SKN		1.75	100	I074521	1	<0.01	0.99	<0.2	2.28	
194.75	197.00	2.25	MBL		2.24	100	I074523	1	<0.01	0.37	18	0.72	
197.00	200.00	3.00	MBL		2.96	99	I074524	1	<0.01	0.02	<5	0.58	
200.00	203.00	3.00	MBL		2.88	96	I074525	1	<0.01	0.05	5	0.17	
203.00	206.00	3.00	MBL		2.95	98	I074526	1	<0.01	0.70	23	0.19	
206.00	208.79	2.79	MBL		2.72	97	I074527	1	<0.01	0.11	<5	0.08	
208.79	210.49	1.70	MBL		1.44	85	I074528	1	<0.01	0.14	8	0.10	
210.49	212.15	1.66	MBL		1.27	77	I074529	1	0.06	2.97	2	22.70	
212.15	215.00	2.85	MBL		2.85	100	I074531	1	<0.01	0.08	<5	0.42	
215.00	217.00	2.00	MBL		1.96	98	I074532	1	<0.01	0.18	<5	0.47	
217.00	219.66	2.66	INT	FEL	2.48	93	I074533	1	<0.01	2.88	<0.2	0.23	
219.66	222.30	2.64	INT	FEL	2.58	98	I074535	1	<0.01	2.53	1	0.22	
222.30	224.20	1.90	MBL		1.90	100	I074536	1	<0.01	0.08	<5	0.17	
224.20	225.70	1.50	MBL		0.74	49	I074537	2	0.01	0.26	7	0.33	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
225.70	227.33	1.63	INT	FEL	1.63	100	I074538	2	0.01	3.11	16	1.06	
227.33	229.40	2.07	MBL		1.99	96	I074539	2	<0.01	0.31	<5	0.69	
229.40	231.34	1.94	MBL		1.80	93	I074540	2	<0.01	0.73	<5	0.28	
231.34	234.10	2.76	INT	FEL	2.76	100	I074541	2	<0.01	<0.01	1	0.11	
234.10	237.00	2.90	INT	FEL	2.90	100	I074543	2	<0.01	<0.01	4	0.09	
237.00	240.00	3.00	INT	FEL	2.84	95	I074544	2	<0.01	0.12	15	0.16	
240.00	243.00	3.00	INT	FEL	2.94	98	I074545	2	<0.01	0.19	12	0.33	
243.00	246.00	3.00	INT	FEL	2.90	97	I074546	2	<0.01	<0.01	2	0.10	
246.00	249.00	3.00	INT	FEL	2.95	98	I074548	2	<0.01	<0.01	6	0.21	
249.00	252.00	3.00	INT	FEL	3.00	100	I074549	2	<0.01	<0.01	1	0.07	
252.00	255.00	3.00	INT	FEL	3.00	100	I074550	2	<0.01	<0.01	4	0.12	
255.00	258.00	3.00	INT	FEL	3.00	100	I074551	2	0.01	2.08	697	4.98	
258.00	261.00	3.00	INT	FEL	2.98	99	I074552	2	0.03	0.62	1180	0.18	
261.00	263.85	2.85	INT	FEL	2.85	100	I074553	2	0.01	0.07	547	0.12	
263.85	266.70	2.85	INT	FEL	2.77	97	I074554	2	0.01	0.04	298	0.09	
266.70	269.75	3.05	INT	FEL	3.00	98	I074555	2	0.21	2.64	12900	6.03	
-	-	-	-	-	-	-	I074507	1	2.31	8.80	10450	336.00	Standard ML-1
-	-	-	-	-	-	-	I074516	1	<0.01	0.03	<5	<0.01	Blank
-	-	-	-	-	-	-	I074522	1	0.32	2.68	10100	339.00	Standard ML-2
-	-	-	-	-	-	-	I074530	1	NSS	0.02	<5	0.01	Blank
217.00	219.66	2.66	INT	FEL	2.48	93	I074534	1	<0.01	2.69	0	0.39	Duplicate
231.34	234.1	2.76	INT	FEL	2.76	100	I074542	2	<0.01	<0.01	1	0.11	Duplicate
-	-	-	-	-	-	-	I074547	2	2.27	9.89	9720	288.00	Standard ML-5
-	-	-	-	-	-	-	I074556	2	<0.01	0.02	7	0.07	Blank

GEOTECHNICAL LOG

HOLE: Rau-Sc10-05

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
4.70	4.88	0.18	0.17	94	0	0	w	ew		Glacial Till
4.88	5.79	0.91	0.77	85	0	0	w	ew		Glacial Till
5.79	7.01	1.22	0.53	43	0	0	w	ew		Glacial Till
7.01	8.38	1.37	0.31	23	0	0	w	ew		Glacial Till
8.38	10.36	1.98	0.30	15	0	0	w	ew		Glacial Till
10.36	10.97	0.61	0.61	100	0	0	w	ew		Glacial Till
10.97	12.19	1.22	0.11	9	0	0	w	ew		Glacial Till
12.19	13.41	1.22	0.72	59	0	0	w	ew		Glacial Till
13.41	14.17	0.76	0.44	58	0	0	w	ew		Glacial Till
14.17	15.24	1.07	0.57	53	0	0	w	ew		Glacial Till
15.24	16.31	1.07	0.83	78	0	0	w	sw		Glacial Till
16.31	17.68	1.37	0.55	40	0	0	w	sw		Glacial Till
17.68	18.59	0.91	0.20	22	0	0	w	sw		Glacial Till
18.59	19.51	0.92	0.20	22	0	0	w	sw		Glacial Till
19.51	21.03	1.52	1.05	69	1.06	70	w	sw		
21.03	22.56	1.53	1.34	88	0.89	58	ms	sw		
22.56	23.93	1.37	1.30	95	1.09	80	ms	sw		
23.93	25.45	1.52	1.52	100	0.40	26	ms	sw		
25.45	26.97	1.52	1.39	91	0.97	64	ms	sw		
26.97	28.50	1.53	1.53	100	1.10	72	ms	sw		
28.50	30.02	1.52	1.52	100	0.66	43	ms	sw		
30.02	31.70	1.68	1.56	93	0.92	55	s	fr		
31.70	33.22	1.52	1.52	100	0.86	57	ms	sw		
33.22	34.75	1.53	1.45	95	1.27	83	ms	mw		
34.75	37.49	2.74	2.56	93	0.40	15	s	mw		
37.49	38.86	1.37	1.04	76	0.10	7	s	sw		
38.86	40.69	1.83	1.82	99	1.39	76	ms	mw		
40.69	43.57	2.88	2.88	100	2.07	72	ms	mw		
43.57	46.33	2.76	2.58	93	1.93	70	ms	mw		
46.33	49.38	3.05	3.05	100	2.46	81	ms	sw		
49.38	52.43	3.05	3.05	100	2.55	84	ms	sw		
52.43	55.47	3.04	3.05	100	2.24	74	ms	sw		
55.47	58.52	3.05	3.05	100	2.50	82	ms	fr		
58.52	61.72	3.20	3.07	96	2.74	86	ms	fr		
61.72	64.92	3.20	3.11	97	2.80	87	ms	sw		
64.92	67.97	3.05	3.05	100	2.24	73	ms	sw		
67.97	69.49	1.52	1.42	93	0.94	62	ms	sw		
69.49	72.54	3.05	3.05	100	2.84	93	ms	fr		
72.54	75.59	3.05	3.04	100	2.85	93	ms	fr		
75.59	78.64	3.05	2.80	92	2.48	81	ms	sw		
78.64	81.69	3.05	3.04	100	2.24	73	ms	sw		
81.69	84.73	3.04	2.95	97	2.20	72	ms	fr		
84.73	87.78	3.05	2.38	78	1.01	33	ms	sw		
87.78	90.80	3.02	2.87	95	2.75	91	ms	sw		
90.80	94.00	3.20	3.05	95	2.42	76	ms	mw		
94.00	96.62	2.62	2.62	100	2.21	84	ms	mw		
96.62	99.67	3.05	2.96	97	2.69	88	ms	hw		
99.67	101.19	1.52	0.72	47	0.22	14	w	hw		
101.19	104.24	3.05	2.65	87	0.55	18	ms	hw		
104.24	107.29	3.05	2.98	98	1.17	38	ms	sw		
107.29	110.34	3.05	2.60	85	2.33	76	ms	sw		
110.34	113.39	3.05	3.00	98	2.46	81	ms	sw		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
113.39	116.43	3.04	3.00	99	2.60	86	ms	sw		
116.43	119.18	2.75	2.68	97	1.93	70	ms	sw		
119.18	121.92	2.74	2.40	88	1.78	65	ms	mw		
121.92	124.97	3.05	2.85	93	2.30	75	ms	mw		
124.97	126.49	1.52	1.44	95	1.10	72	ms	sw		
126.49	129.54	3.05	2.82	92	2.55	84	ms	sw		
129.54	132.59	3.05	2.66	87	1.85	61	s	fr		
132.59	135.64	3.05	2.87	94	2.30	75	ms	fr		
135.64	137.77	2.13	1.97	92	1.60	75	ms	fr		
137.77	139.60	1.83	1.83	100	1.00	55	ms	mw		
139.60	140.67	1.07	0.67	63	0.00	0	ms	mw		
140.67	143.71	3.04	2.55	84	1.97	65	ms	sw		
143.71	146.61	2.90	2.90	100	2.31	80	ms	fr		
146.61	149.35	2.74	2.71	99	0.65	24	ms	sw		
149.35	152.40	3.05	3.05	100	1.61	53	ms	fr		
152.40	155.45	3.05	2.51	82	1.72	56	ms	fr		
155.45	158.04	2.59	2.59	100	1.79	69	ms	fr		
158.04	161.09	3.05	2.97	97	2.04	67	ms	fr		
161.09	164.13	3.04	3.04	100	2.08	68	ms	fr		
164.13	166.12	1.99	1.93	97	0.88	44	ms	sw		
166.12	168.55	2.43	2.36	97	0.84	35	ms	fr		
168.55	171.60	3.05	3.00	98	1.21	40	ms	fr		
171.60	173.74	2.14	2.02	94	1.91	89	s	fr		
173.74	176.78	3.04	3.04	100	2.56	84	ms	sw		
176.78	179.83	3.05	2.83	93	2.27	74	ms	fr		
179.83	182.58	2.75	2.75	100	2.71	99	ms	fr		
182.58	185.78	3.20	3.10	97	2.70	84	ms	fr		
185.78	187.60	1.82	1.77	97	1.13	62	ms	fr		
187.60	190.50	2.90	2.75	95	2.50	86	ms	fr		
190.50	193.55	3.05	3.03	99	2.61	86	ms	fr		
193.55	196.60	3.05	3.05	100	2.87	94	ms	fr		
196.60	199.64	3.04	3.02	99	2.48	82	ms	fr		
199.64	202.69	3.05	2.87	94	2.33	76	ms	fr		
202.69	205.74	3.05	2.94	96	1.63	53	ms	fr		
205.74	208.79	3.05	2.95	97	2.28	75	ms	fr		
208.79	210.77	1.98	1.92	97	0.67	34	w	sw		
210.77	213.36	2.59	2.31	89	1.62	63	ew	sw		
213.36	216.41	3.05	2.93	96	2.10	69	ms	fr		
216.41	219.46	3.05	2.95	97	2.50	82	ms	fr		
219.46	222.50	3.04	3.01	99	2.75	90	ms	fr		
222.50	224.33	1.83	1.80	98	1.26	69	ms	fr		
224.33	227.08	2.75	2.74	100	2.39	87	ms	fr		
227.08	230.12	3.04	2.95	97	1.53	50	s	sw		
230.12	231.34	1.22	1.10	90	0.69	57	ms	sw		
231.34	234.39	3.05	3.05	100	2.53	83	ms	sw		
234.39	237.44	3.05	3.05	100	2.79	91	ms	fr		
237.44	238.96	1.52	1.41	93	1.28	84	s	fr		
238.96	242.01	3.05	3.03	99	2.82	92	ms	fr		
242.01	243.84	1.83	1.83	100	1.72	94	ms	fr		
243.84	246.89	3.05	3.00	98	3.00	98	ms	fr		
246.89	249.94	3.05	3.02	99	2.85	93	s	fr		
249.94	252.98	3.04	3.01	99	2.95	97	s	fr		
252.98	254.81	1.83	1.85	101	1.86	102	s	fr		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
254.81	257.56	2.75	2.73	99	2.55	93	s	fr		
257.56	260.60	3.04	3.02	99	2.92	96	s	fr		
260.60	263.65	3.05	3.05	100	2.84	93	ms	fr		
263.65	266.70	3.05	3.00	98	2.41	79	s	fr		
266.70	269.75	3.05	2.93	96	2.68	88	s	fr		
269.75	E.O.H.									

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-Sc10-05

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	OVB			OVB
2.00	OVB			OVB
3.00	OVB			OVB
4.00	OVB			OVB
5.00	OVB		1.02	
6.00	OVB		1.96	
7.00	OVB		0.51	
8.00	OVB		2.05	
9.00	OVB		1.02	
10.00	OVB		n/a	poor recovery
11.00	OVB		n/a	poor recovery
12.00	OVB		n/a	poor recovery
13.00	OVB		0.00	
14.00	OVB		0.00	
15.00	OVB		0.45	
16.00	OVB		0.00	
17.00	LST	MBL	0.40	
18.00	LST	MBL	0.45	
19.00	LST	MBL	0.26	
20.00	LST	MBL	1.23	
21.00	LST	MBL	0.00	
22.00	LST	MBL	1.82	
23.00	LST	MBL	0.08	
24.00	LST	MBL	0.28	
25.00	LST	MBL	0.00	
26.00	LST	MBL	1.00	
27.00	LST	MBL	0.24	
28.00	LST	MBL	3.15	
29.00	LST	MBL	0.00	
30.00	LST	MBL	0.22	
31.00	LST	MBL	0.00	
32.00	LST	MBL	0.00	
33.00	LST	MBL	0.00	
34.00	LST	MBL	0.00	
35.00	LST	MBL	1.00	
36.00	LST	MBL	0.00	
37.00	LST	MBL	0.00	
38.00	LST	MBL	0.24	
39.00	LST	MBL	6.66	
40.00	LST	MBL	0.10	
41.00	LST	MBL	0.00	
42.00	LST	MBL	0.00	
43.00	LST	MBL	0.02	
44.00	LST	MBL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	LST	MBL	0.00	
46.00	LST	MBL	0.00	
47.00	LST	MBL	0.00	
48.00	LST	MBL	0.00	
49.00	LST	MBL	0.00	
50.00	LST	MBL	1.02	
51.00	LST	MBL	0.00	
52.00	LST	MBL	0.08	
53.00	LST	MBL	0.00	
54.00	LST	MBL	0.00	
55.00	LST	MBL	0.00	
56.00	LST	MBL	0.00	
57.00	LST	MBL	1.16	
58.00	LST	MBL	0.00	
59.00	LST	MBL	0.00	
60.00	MBL		0.00	
61.00	MBL		0.00	
62.00	MBL		1.23	
63.00	MBL		0.00	
64.00	MBL		0.57	
65.00	MBL		0.00	
66.00	MBL		0.00	
67.00	MBL		0.00	
68.00	MBL		0.00	
69.00	MBL		0.00	
70.00	MBL		0.00	
71.00	MBL		0.18	
72.00	MBL		0.00	
73.00	MBL		0.00	
74.00	MBL		0.00	
75.00	MBL		0.00	
76.00	MBL		0.45	
77.00	MBL		0.00	
78.00	MBL		1.27	
79.00	MBL		0.00	
80.00	MBL		0.00	
81.00	MBL		0.00	
82.00	MBL		0.00	
83.00	MBL		0.00	
84.00	MBL		3.77	
85.00	MBL		2.15	
86.00	MBL		1.16	
87.00	MBL		1.00	
88.00	MBL		0.36	
89.00	MBL		0.00	
90.00	MBL		1.74	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	MBL		2.56	
92.00	MBL		1.39	
93.00	MBL		0.43	
94.00	MBL		0.74	
95.00	MBL		0.55	
96.00	MBL		0.86	
97.00	MBL		0.00	
98.00	MBL		1.33	
99.00	MBL		0.00	
100.00	MBL		0.00	
101.00	MBL		1.18	
102.00	MBL		0.00	
103.00	MBL		0.00	
104.00	MBL		0.00	
105.00	MBL		0.00	
106.00	MBL		0.00	
107.00	MBL		0.00	
108.00	MBL		0.00	
109.00	MBL		3.07	
110.00	MBL		0.00	
111.00	MBL		0.00	
112.00	MBL		0.00	
113.00	MBL		0.00	
114.00	MBL		0.00	
115.00	MBL		0.00	
116.00	MBL		0.00	
117.00	MBL		0.00	
118.00	MBL		0.00	
119.00	MBL		0.00	
120.00	MBL		1.86	
121.00	MBL		0.00	
122.00	MBL		0.00	
123.00	MBL		0.45	
124.00	MBL		0.69	
125.00	MBL		0.00	
126.00	MBL		0.00	
127.00	MBL		0.00	
128.00	MBL		0.00	
129.00	MBL		0.98	
130.00	INT	FEL	0.69	
131.00	INT	FEL	0.00	
132.00	INT	FEL	0.00	
133.00	INT	FEL	0.00	
134.00	INT	FEL	2.25	
135.00	INT	FEL	0.47	
136.00	INT	FEL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	INT	FEL	0.00	
138.00	INT	FEL	0.00	
139.00	INT	FEL	0.36	
140.00	INT	FEL	0.00	
141.00	INT	FEL	0.00	
142.00	MBL		2.64	
143.00	MBL		0.00	
144.00	MBL		0.00	
145.00	MBL		0.00	
146.00	MBL		1.80	
147.00	MBL		0.00	
148.00	MBL		0.00	
149.00	MBL		0.00	
150.00	MBL		0.00	
151.00	MBL		0.00	
152.00	MBL		0.00	
153.00	MBL		0.00	
154.00	MBL		0.73	
155.00	MBL		0.00	
156.00	MBL		0.00	
157.00	MBL		0.00	
158.00	MBL		0.34	
159.00	MBL		0.00	
160.00	MBL		0.47	
161.00	MBL		0.00	
162.00	MBL		0.00	
163.00	MBL		0.00	
164.00	MBL		0.00	
165.00	MBL		0.59	
166.00	MBL		0.67	
167.00	MBL		1.16	
168.00	MBL		0.73	
169.00	MBL		0.77	
170.00	MBL		0.00	
171.00	MBL		0.00	
172.00	SKN		2.74	
173.00	SKN		2.27	
174.00	MBL		0.00	
175.00	MBL		0.29	
176.00	MBL		0.00	
177.00	MBL		0.45	
178.00	MBL		0.00	
179.00	MBL		0.00	
180.00	MBL		0.00	
181.00	MBL		1.04	
182.00	MBL		3.54	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00	MBL		0.00	
184.00	MBL		0.20	
185.00	MBL		0.00	
186.00	MBL		2.13	
187.00	MBL		0.00	
188.00	MBL		0.00	
189.00	MBL		0.00	
190.00	MBL		0.00	
191.00	MBL		500.00	
192.00	MBL		0.77	
193.00	MBL		349.00	
194.00	SKN		160.00	
195.00	MBL		0.00	
196.00	MBL		7.68	
197.00	MBL		0.12	
198.00	MBL		0.38	
199.00	MBL		0.08	
200.00	MBL		0.22	
201.00	MBL		0.00	
202.00	MBL		0.00	
203.00	MBL		0.00	
204.00	MBL		0.30	
205.00	MBL		0.45	
206.00	MBL		0.00	
207.00	MBL		0.86	
208.00	MBL		0.26	
209.00	MBL		0.00	
210.00	MBL		0.00	
211.00	MBL		n/a	
212.00	MBL		330.00	
213.00	MBL		0.28	
214.00	MBL		0.53	
215.00	MBL		0.00	
216.00	MBL		0.00	
217.00	MBL		0.00	
218.00	INT	FEL	0.00	
219.00	INT	FEL	0.00	
220.00	INT	FEL	0.12	
221.00	INT	FEL	0.00	
222.00	INT	FEL	0.00	
223.00	MBL		0.00	
224.00	MBL		0.00	
225.00	MBL		0.00	
226.00	INT	FEL	0.10	
227.00	INT	FEL	1.49	
228.00	MBL		0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
229.00	MBL		1.57	
230.00	MBL		0.00	
231.00	MBL		0.00	
232.00	INT	FEL	0.00	
233.00	INT	FEL	0.00	
234.00	INT	FEL	0.10	
235.00	INT	FEL	0.00	
236.00	INT	FEL	0.00	
237.00	INT	FEL	0.00	
238.00	INT	FEL	0.00	
239.00	INT	FEL	0.00	
240.00	INT	FEL	1.08	
241.00	INT	FEL	3.03	
242.00	INT	FEL	0.00	
243.00	INT	FEL	0.61	
244.00	INT	FEL	2.68	
245.00	INT	FEL	1.14	
246.00	INT	FEL	0.00	
247.00	INT	FEL	0.00	
248.00	INT	FEL	0.00	
249.00	INT	FEL	0.00	
250.00	INT	FEL	0.00	
251.00	INT	FEL	0.00	
252.00	INT	FEL	0.00	
253.00	INT	FEL	0.00	
254.00	INT	FEL	1.02	
255.00	INT	FEL	0.59	
256.00	INT	FEL	0.00	
257.00	INT	FEL	0.00	
258.00	INT	FEL	0.00	
259.00	INT	FEL	0.71	
260.00	INT	FEL	0.22	
261.00	INT	FEL	0.04	
262.00	INT	FEL	0.28	
263.00	INT	FEL	0.00	
264.00	INT	FEL	0.00	
265.00	INT	FEL	0.00	
266.00	INT	FEL	0.00	
267.00	INT	FEL	2.50	
268.00	INT	FEL	0.00	
269.00	INT	FEL	5.28	
269.75				E.O.H.

DENSITY LOG

HOLE: Rau-Sc10-05

Depth (m)	Unit	Modifier	MINERALS				Comments	Length (cm)	Diameter (cm)	Weight in Air	Weight in Water	Density	Specific Gravity
			Py %	As %	Other	%							
152.75	MBL		n	n				14.7	4.2	580.3	373.7	2.91	2.81
172.35	SKN	MX	3	n				15.0	4.2	643.5	433.6	3.16	3.07
206.75	MBL		n	n				14.8	4.2	576.8	373.5	2.87	2.84
242.80	INT	FEL	n	n				14.8	4.2	572.5	351.4	2.85	2.59
256.70	INT	FEL	n	n				14.7	4.2	545.7	344.3	2.73	2.71
267.30	INT	FEL	n	n				14.7	4.2	520.6	317.3	2.61	2.56

BOX LOG

HOLE: Rau-Sc10-05

BOX	FROM (m)	TO (m)
1	4.70	14.47
2	14.47	20.20
3	20.20	25.72
4	25.72	31.19
5	31.19	36.78
6	36.78	42.39
7	42.39	48.00
8	48.00	53.60
9	53.60	59.18
10	59.18	65.10
11	65.10	70.74
12	70.74	76.24
13	76.24	82.00
14	82.00	88.04
15	88.04	97.03
16	97.03	98.39
17	98.39	105.38
18	105.38	111.28
19	111.28	116.78
20	116.78	121.92
21	121.92	127.45
22	127.45	132.99
23	132.99	138.45
24	138.45	144.20
25	144.20	149.36
26	149.36	155.99
27	155.99	161.23
28	161.23	166.87
29	166.87	172.43
30	172.43	187.14
31	187.14	183.67
32	183.67	189.35
33	189.35	195.45
34	195.45	200.81
35	200.81	206.35

BOX	FROM (m)	TO (m)
36	206.35	211.78
37	211.78	217.19
38	217.19	223.02
39	223.02	228.52
40	228.52	233.24
41	233.24	239.83
42	239.83	245.43
43	245.43	251.22
44	251.22	256.87
45	256.87	262.70
46	262.70	268.53
47	268.53	269.75
269.75 m: E.O.H		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
09+904NE	09+450NW	528779	7118565	1321	425.81

ZONE:

SECTION: 09+450NW

HOLE: Rau-SC10-06

CLAIM:

Contractor: Superior

Drill: 3

Core size: NQ

Casing depth: 9.14 m out

Drilling dates: August 25-30, 2010

Geology logged by: K. Wynne

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	48	-45.0	compass	197.21	45	-44.1	Ranger
29.57	45	-44.5	Ranger	273.41	48	-42.9	Ranger
75.29	44	-44.1	Ranger	349.61	50	-42.3	Ranger
136.25	45	-44.3	Ranger	395.33	51	-41.5	Ranger

TARGET: Tiger zone strike extension.

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	2.75	2.75	OVB	
2.75	210.68	207.93	LST	Fossiliferous, with local moderate DOL and MBL.
210.68	233.35	22.67	VOL	With MBL LST interlayers.
233.35	252.19	18.84	LST	Intense MBL with VOL interlayers.
252.19	288.32	36.13	VOL	Local CHL, SER, and BIO, and magnetic CGL.
288.32	336.63	48.31	LST	Moderate strong MBL with VOL interlayers.
336.63	345.82	9.19	VOL	Amygdaloidal
345.82	425.81	79.99	LST	Strong MBL with VOL interlayers.
		0.00		
		0.00		
		0.00		
		0.00		
		0.00		
		0.00		
		0.00		
		0.00		
		0.00		

SAMPLES

Numbers: I077208-I077210

Total: 3

Batch: 76

Date Sent: September 1, 2010

Certificate: VA10125741

COMMENTS

The hole was ended because it had passed the target depth.

GEOLOGY LOG

HOLE: Rau-SC10-06

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	2.75	2.75				OVB			Recovery for this interval is zero																		
2.75	5.77	3.02				LST	RBL		Grey blue to rusty brown dolomitized LST rubble. Approximately 50% of this interval exhibits a moderate degree of oxidation.					i		m											
5.77	12.50	6.73				LST	DOL		Pale grey to rusty brown intensely dolomitized moderately oxidized LST. More competent sections consist of a bleached dolomitized LST showing a lesser degree of oxidation and pre dolomitization features such as the original dark blue colour and calcite veining associated with most of the unaltered LST at Rau. Approximately half of the interval consists of a rubbly dolomitized LST exhibiting a higher degree of oxidation. Stockwork fracturing is present to varying degrees					i		m											
12.50	112.17	99.67				LST	FOS		Dark blue to dark grey fossiliferous LST ranging from wackestone to mudstone in composition. sBX textures has dark blue LST clasts surrounded by a white calcareous matrix. Where less pervasive sBX, have blue-grey to black mottled texture. Black carbonaceous interclasts and sinuous bands occur. Fossils include one hole crinoids, star crinoids, brachiopods, favocites coral, rugose coral and cephalopods, with an unusually high abundance of brachiopods. Weak dolomitization is present throughout the majority of the interval determined by reaction of LST with HCl (early marine dolomitization?). Trace fine grained, dull, anhedral pyrite is generally associated with black sinuous bands of carbonaceous material and quartz veins/veinlets.					w													
									Veining consists of quartz and calcite veins/veinlets with the majority of veins oriented approximately 45 degrees TCA. A large white calcareous 10 cm wide vein 90 degrees TCA is present at 30.17 m. This vein hosts oxidation bands within it. Stockwork patterns of quartz and calcite veins/veinlets are present intermittently.	VN	90															
									Quartz veinlets/veinlets generally occur at 45 degrees TCA and at a much lower density than calcite veins/veinlets.	VT	45															

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									Calcite veins/veinlets occur at a higher frequency than quartz veins/veinlets.	VT	50		5														
									2.2 cm wide quartz vein is present at 103.85m.	VN	45																
									A 1 cm wide quartz vein is present at 112m.	VN	50																
			46.58	66.14	19.56	LST	FOS	FO	Dark grey to dark blue fossiliferous weak MBL LST with foliation defined by banding. Fossils present include crinoids, cephalopods and rugose corals with crinoids being the most abundant. LST ranges from mudstone to wackestone in composition. This sub interval lacks classic sBX LST texture. Foliation is defined by banding of dark blue to light grey layers as well as brown wisps of non-calcareous material appearing volcanic in origin. Trace FG anhedral pyrite is associated with brown volcanic bands. No dolomitization is evident. Foliation is variable and decreases with respect TCA down the interval.									MBL	w	t						
									Foliation at the start of the interval is approximately 60 degrees TCA.	FO	60																
									Foliation angle decreases with respect TCA as depth increases to 45 degrees TCA near the end of the interval.	FO	45																
									Calcite veins/veinlets are present with no apparent trend in orientation.	VT	70		5														
										VT	40	180														
112.17	122.88	10.71				LST	MBL	FO	Light grey to dark blue moderately marbleized LST exhibiting a foliation defined by banding of dark blue and light grey layers. The upper portion of this interval consists of a non-foliated fossiliferous wackestone exhibiting a dark blue to light grey mottled texture. Sinuous bands of black calcareous carbonaceous material and brown non-calcareous volcanic material are present as part of the foliation, and are associated with trace amounts of fine grained anhedral pyrite.									MBL	m	t						
									Foliation appears to remain relatively constant at approximately 55 degrees TCA.	FO	55																

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
122.88	150.00	27.12				LST	VOL	FO	Dark blue to light grey moderately marbleized LST interfingered with dark biotite brown and light brownish green sericite altered volcanic material. Dark black non-calcareous (volcanic?) bands are also interfingered with the LST. The presence of the volcanic fraction is variable and more dense in certain sections. Sections that lack a high density of volcanic bands reveal that the original protolith consisted of fossiliferous LST ranging from wackestone to packstone in composition. A foliation defined by banding of dark blue to light grey LST layers, dark to greenish brown volcanic layers and non-calcareous dark black layers is pervasive throughout the interval. Trace Po mineralization appears to be associated with dark black non-calcareous bands, brown volcanic bands and quartz/calcite veins/veinlets. Po occurs as a fine grained anhedral variety. Trace pyrite is found disseminated throughout the interval and is associated mostly with the sericite altered volcanic bands.									MBL	m	t		t						
									Foliation ranges from 50 to 75 degrees TCA generally increasing in angle with respect TCA with increasing depth.	FO	50															
										FO	55																
										FO	75																
									Quartz and calcite veins and veinlets occur at a relatively low density throughout the interval and appear to be associated with Po mineralization. A set of calcite veinlets ~1 mm wide sharing a common orientation of 60 degrees TCA occurs at 143.50 m. Overprinting of this veinlet set by dark brown sinuous volcanic bands is observable.	VT	60		5														
									Quartz-Po veins ranging from 1-3 cm in width are present between 146 m and 147 m. These veins share a common orientation of ~80 degrees TCA.	VN	80	90	3														

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
150.00	177.66	27.66				LST	FOS	FO	Dark blue to bleached grey moderately marbleized LST ranging from wackestone to packstone in composition. Crinoid stems in plan view and cross section are the dominant fossil type. Fossil density is variable throughout. A foliation defined by banding o dark blue and grey layers is present. The foliation is better defined and fossil density is lower within grey layers. In darker blue more fossiliferous sections the foliation is less evident. Some sections exhibit a granular, dark blue/bleached grey spotted texture. Foliation is not well defined in these intervals and fossil fragments appear distorted. Foliation remains constant at 65 degrees TCA throughout. Trace Po-Py mineralization is disseminated throughout the interval and associated with quartz/calcite veins/veinlets.	FO	65							MBL	ms	t		t						
									Veining consists of early stage calcite veins/veinlets visibly overprinted by textures associated with marbleization such as bleaching and granular textures.	VT	45		3														
										VN	55																
									Later stage unaltered quartz veins/veinlets are also present at a much lower density than calcite veins/veinlets.	VT	60		140														
										VN	45																
177.66	210.68	33.02				LST	VOL	FO	Banded dark blue to bleached grey moderately marbleized LST interfingered with brown volcanic bands. Approximately 90% of the interval consists of banded LST with the remaining 10% being comprised of banded locally SER volcanic material. Distorted crinoid fossil fragments are present throughout. Disseminated fine grained Po is found throughout and appears to be associated with the volcanic bands. A pervasive foliation defined by banding is present and remains relatively constant a approximately 70 degrees TCA.	FO	70							MBL	m			t						
									Calcite and quartz veins/veinlets are present. Calcite veinlets occur a much higher density. Mineralization does not appear to be associated with veining.	VN	45	20															
										VT	60	315	5														

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			208.00	210.68	2.68	VOL	LST	FO	Dark brown and white, spotted calcareous interval resembling the leopard unit in appearance. Sections of dark blue LST and beige sericite altered volcanic bands with trace fuchsite are present. These bands contain trace Py and Po mineralization. A foliation defined by banding of sericite altered material is pervasive throughout. Foliation remains constant at 50 degrees TCA.	FO	50								t		t	Fr	t			
									The upper contact is sharp and occurs 25 degrees TCA. The lower contact into the volcanic unit below is gradational.	UCN	25															
									Calcite veins/veinlets are present throughout. Large stockwork Po-Py account for most of intervals mineralization.																	
									A 4 cm wide calcareous vein is present at 208.70 m. Mineralization associated with this vein includes fine to coarse grained anhedral Po and a light, brownish pink, non calcareous mineral that is approximately 5 to 6 on moh's hardness scale (Rhodonite?).	VN	55	180									t					
									A 4.5 cm wide calcite vein is present at 210 m. This vein is not associated with mineralization.	VN	55	15														
									A calcite-biotite veinlet is present at 210.60 m containing trace amounts of purple and green fluorite and Po.	VT	45	180									t	Bi	m	Fl	t	
210.68	215.11	4.43				VOL	FO	AM	Black to dark brown amygdaloidal volcanic. 95% of the interval consists of dark black volcanic with the remaining 5% a banded, dark brown to light green/brown sericite altered volcanic. Approximately 50% of the amygdules contain calcite and 50% contain quartz. A foliation defined by banding of dark brown and light brown sericite altered material is present intermittently throughout. Banded zones of highly altered LST exhibiting distorted fossil fragments are present and associated with sericite altered VOL. Trace amounts of fine grained Po and Py are disseminated throughout. The majority of mineralization is present in the form of massive Po-Py veins/veinlets.									t		t					
									Foliation defined by banding tends to vary from 60 70 degrees TCA throughout.	FO	70															
										FO	60																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									The lower contact to this interval is sharp and irregular. An orientation angle relative TCA cannot be determined.	ICN																	
									Calcite veins/veinlets occur throughout the interval occurring at angles measurable TCA and in stockwork fashion.	VT	45		5													
									A 7cm wide massive Po vein occurs at 211.77m and contains a weak amount of Py and trace amounts of Cp. Stockwork Po-Py veins occur between 214.70m and 215.00m.	VN	40								w		60	Cp	t			
215.11	221.60	6.49				LST	VOL	FO	Bleached grey to dark blue marbleized Foliated LST containing brown to black volcanic bands and units within it. Foliation is defined by banding, with VOL layers variably following or cutting FO. Black/brown volcanic sections are associated with fine grained, anhedral, disseminated Py-Po mineralization. Foliation appears variable ranging from 45-60 degrees TCA.	FO	60							MBL	ms	t		t					
										FO	45																
										FO	55																
221.60	233.35	11.75				VOL			Medium to dark grey, FG to MG banded VOL with Ca stringers and Ca blebs throughout. vFG, trace, wispy Py along FO primarily associated with Ca stringers. Trace vFG Po in localized blebs and bands alongside Py. SER, CHL, BIO and BLE alterations seen locally. A segment of magnetite pebble CGL present with elongated 1-2 cm clasts. Several larger Ca VT and VN throughout interval. Upper contact very sharp. Lower contact well defined but interfingered. FO pervasive through interval ranging from 60-65 deg. TCA.	FO	60								t		t						
										uCN	75	0															
										lCN	65	0															
			222.14	222.50	0.36	VOL	Ca		MG to CG, light to medium grey Ca stockwork VN. Ca stringers/ stockwork VT make up 40% of interval. Local buff-yellow alteration of Ca. weak vFG disseminated, dull Py throughout interval. Light grey clay alteration on upper contact. Sharp lCN in line with FO	VN									w							
										lCN	75																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			224.88	225.09	0.21	VOL	Ca		MG to CG, medium grey-brown-green, Ca-rich, VOL. Ca blebs make up 30% of interval, and follow FO. Py is vFG, trace, dull and follows FO. Sharp contacts that follow FO	FO	55									t							
										uCN	55	0															
										lCN	55	0															
			225.09	225.29	0.20	VOL	CHL		MG to CG, medium grey-green CHL altered VOL. Trace bright vFG wispy Py MX throughout interval. uCN sharp and has Ca rimming with wispy Py, lCN gradational.	FO	55							CHL	i	t							
										uCN	35	0															
			225.54	226.52	0.98	VOL	BLE		Light buff-grey to medium green-grey, MG to CG, FO BLE VOL. Trace, vFG, bright wispy Py MX throughout interval. Interval fizzes weakly in 10% HCL. uCN gradational, lCN sharp. lCN defined by a 2 cm thick Ca VN following FO.	FO	55							BLE	s	t							x
										lCN	73	30															
			226.52	227.48	0.96	VOL	BIO		Dark brown-black, vFG BIO VOL with pervasive Ca stringers and blebs. Ca stringers define FO and range from 1 mm to 5 mm. No MX observed. Sharp lCN following FO and defined by light buff and dark grey very fine (<1 mm) stringers for a 1 cm interval.	FO	55							BIO	i								x
			227.48	233.55	6.07	VOL	CGL		FG to MG, dark to medium grey magnetite pebble CGL VOL. CGL clasts range from 1-3 cm and are elongated along FO. Clasts are only slightly lighter in colour than the Mg matrix. Ca stringers and VT locally throughout interval, primarily following FO. A BLE? greenish alteration 2 mm - 1 cm thick around Ca VT and stringers. Disseminated wisps of FG Po seen through interval. End of interval has MBL LST interfingering. Sharp contacts that follow FO.											t		t	Mg	w			x
			229.40	229.67	0.27	VOL	CHL		Medium green-grey, CHL altered VOL VN with Py and Po rimming contacts. Very weak FO present. Ca spots and stringers present in interval. Small Py and Po wisps throughout VN. Contact rims are Py and Po overprinting Ca. Rims are 0.5 - 1.5 cm thick and vuggy.	VN								CHL	m	m		m						x
			230.79	231.01	0.22	VOL	Ca	BX	Light grey to dark brown strong BIO VOL with stockwork/sBX by MG Ca. Dark BIO surrounding very rounded light grey-brown Ca rich clasts. Trace vFG Po wisps in the BIO. Gradational contacts. FO defined by BIO stringers.	FO	50							BIO	s			t					x

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			232.04	232.25	0.21				FG 1.5 cm, dull Po VNs being overprinted by FG, dull Py. Po VN at 232.10 m is 35 deg. TCA, 90 deg. TFA, being overprinted by an oriented Py bleb at 55 deg. TCA, following FO.	VN	35	90	1														x
										FO	55															
									At 232.25 m, Py VT overprinting Po at 55 deg. TCA and following FO. 0.5 cm thick VT.	VN	55	0	2													
										FO	55																
233.35	252.19	18.84				LST	MBL		White to medium grey, FG to MG MBL LST. Trace FG to CG disseminated Py and Po MX throughout. Pervasive FO present, ranging from 55 to 70 deg. TCA. Localized Ca stringers present and zones of undulating FO. Interfingered SER VOL wisps present as well as a small LEP unit. A FG FOS unit present with pervasive VOL interfingering. MBL of unit varies from weak to intense, with local MBL.	FO	60							MBL	i	t		t						
			235.28	235.56	0.28	LST			Medium grey, FG slightly BX LST with Ca stringers throughout. Trace FG to MG disseminated bright Po. No MBL of this interval. Gradational contacts back into marbleization. Dark grey stringers throughout interval.														t					
			237.98	239.05	1.07	MBL			White to medium grey, MG, FO MBL with FG to MG bright Py disseminated and following FO. Slight brownish-pink bands following FO (HEM?). LEP interfingering. FO ranges from 50 to 65 deg TCA. Gradational uCN, sharp lCN - a few thin (1-2 cm) layers of LEP interfingering.	FO	60									t								
										ICN	35	0															
			239.05	240.19	1.14	LEP			Light to medium brown-grey, strong BIO LEP with banded clasts of VOL ranging from 2 mm - 2 cm. Unit fizzes intensely with 10% HCl. Small, FG, bright Py stringers locally in interval. Sharp contacts. FO present at 65 deg. TCA.	FO	65							BIO	s	t								x
										ICN	70	0															
			246.14	248.44	2.30	LST	FOS		vFG to FG, medium to dark grey FO, FOS LST with pervasive SER VOL interfingering. Ca blebs present sporadically through interval. Trace, MG, bright disseminated Py locally following FO. FO 60-65 deg. TCA. VOL interfingering makes up 15-20% of interval, which is increasingly FOS down interval. FOS include bryozoans and crinoids. Sharp contacts.	FO	60									t								x
										uCN	90																
										lCN	60	0															

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			250.43	252.19	1.76	MBL			White to light grey MBL with dark grey stringers defining FO. Slight pinkish alteration near stringers (HEM?) found in the first half of the interval. Second half of interval has a yellowish alteration. FO 50-65 deg. TCA. Stringers more pervasive at top of interval. Gradational uCN and sharp lCN at 65 deg. TCA following FO.	FO	60															x
										ICN	65																
252.19	288.32	36.13				VOL			Medium grey to dark grey FO VOL. Trace disseminated Py MX throughout interval. SER, CHL, and BLE alterations seen locally. Magnetite pebble CGL segments throughout interval. Two very FX rubbly sections present. Tempestite-looking CG to vCG calcareous "storm deposit" bands seen locally through interval. FO pervasive and ranges from 50-55 deg. TCA.	FO	55																
			253.78	254.82	1.04	VOL			CG to vCG "tempestite" bands present through this interval. Bands range in size from 1 cm to 10 cm. Bands are mottled light grey with Ca spots throughout. Qz clasts seen sporadically in bands. Bands follow FO.	FO	55																x
			255.21	258.20	2.99	VOL	CHL		Medium green-brown to dark grey-brown MG to CG CHL altered VOL with Ca stringers and blebs throughout which are more pervasive at the end of the interval. Dark brown-black BIO spots, 1-2 mm, throughout interval in weak amounts. Spots elongate and follow FO. FO ranges from 50-55 deg. TCA.	FO	50							CHL	i	t							
										ICN	55	0						BIO	w								
			258.20	261.11	2.91	VOL	CGL		Dark green-brown-grey, FG to MG Magnetite pebble CGL VOL. CGL clasts range in size from 2 mm to 2 cm and are elongate along FO. Clasts range in colour from light grey to dark green-grey to dark grey. CGL is clast supported at top of interval, grading to matrix supported with few clasts at end of interval. Trace Py MX seen along Ca stringers sporadically through interval and disseminated through interval.										t			Mg	w			
			268.49	269.03	0.54	VOL	BN		Light grey-buff SER altered, potentially BLE bands in VOL. 6 lighter bands over interval between 1-7 cm in width.																		
			269.66	269.83	0.17	VOL	RBL		A very FX, RBL zone. Clasts angular with a medium grey clay coating and range from 2 mm to 5 cm in size.																		

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			269.83	272.80	2.97	VOL	BLE		Light to dark grey variably bleached banded volcanic unit. Foliation is defined by banding of light/dark grey volcanic material and tiny Po veinlets at ~50-60 degrees TCA. Moderately strong Po mineralization is present in the form of FG disseminated anhedral blebs and very FG Po veinlets following FO.	FO	55							BLE	s	t		ms					
										FO	60																
									Veining consists of high density Po veinlets on FO, and relatively low density quartz and dolomite veins/veinlets hosting trace Py and Po mineralization.	VT	60	0	10							t		ms					
									At 271.50 m a 1 cm wide rusty white dolomite vein containing trace FG Py mineralization is present.	VN	25	10								t							
									At 271.70 m a 0.5 cm wide green (fluorite?) quartz veinlet is present containing trace Py and Po mineralization.	VT	35	250								t		t					
									At 272.20 m a 4 cm wide quartz vein containing trace Po and Py mineralization is present.	VN	40	110								t		t					
			272.80	275.95	3.15	VOL	FO		Black to dark grey variably magnetic volcanic unit. Foliation defined by banding of dark grey VOL is intermittent. Foliation appears to remain constant at 60 degrees TCA. Weak Po and trace Py disseminated throughout the interval. Generally mineralization does not appear to be associated with veining.	FO	60									t		w					
									Veining consists of calcite and fluorite (green, soft, non-calcareous) veinlets pervasive throughout. Fluorite veinlets occur at a much higher density than calcite veinlets.	VT	40																	
										VT	60		6														

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			275.95	283.47	7.52	VOL	CGL	FO	Black to light grey volcanic conglomerate unit with variable bleaching and sericite alteration. Pervasive magnetism is present throughout. Foliation defined by banding of volcanic matrix, clast elongation and Po veinlets. The upper portion of this interval exhibits a greater degree of SER and BLE alteration Both of these alterations tend to gradationally decrease with increasing depth until the lower contact. Bleaching is present in the upper portion of the interval as a light grey matrix containing a high density of Po veinlets. Elongated clasts within the bleached matrix display varying degrees of sericite alteration. Trace fuchsite is present within the sericite altered elongated clasts. An opaque green mineral (fluorite?) is present in the upper portion of the interval and appears to be associate with bleaching. The lower section of this interval is black to dark grey volcanic CGL and is not sericite altered of bleached. Foliation appears to remain constant at 60 degrees TCA throughout.	FO	60							BLE	w	t		w	Fu	t	Fl	t	
									Fine grained Po and Py disseminated throughout as anhedral blebs. Po and Py mineralization is also associated with veining. Po appears to be responsible for the majority of magnetism.									SER	t				Mg	t			
									Veining consists of calcite, quartz and fluorite veins/veinlets associated with trace Po and Py mineralization.	VN	65	0	3							t		t					
									A large quartz vein is present from 277.24m to 277.61m and contains Po-Py mineralization within it.	VN	15									t		t					
									The lower contact to this unit is gradational and consist of bleached volcanic CGL with sericite/fuchsite altered clast supported within a bleached Po, Mg rich matrix.	ICN																
			283.47	287.56	4.09	VOL	VN	FO	Black to dark forest-green heavily calcite veinec variably magnetic volcanic. Preferential orientation c high density calcite veining defines FO. Trace FG anhedral Py and Po mineralization is present throughout. Veining is not generally responsible for mineralization.	FO	60							CHL	w	t		t	Mg	w			
										VN	60		10														
										VN	60		30														

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			286.72	288.32	1.60	VOL	LST	BN	The lower contact from volcanic into the lower LST interval is gradational. The contact consists of dark brown to light grey banded volcanic and LST material. The volcanic portion consists of brown biotite and sericite altered material which grades into light to dark grey banded LST. 287.56 m represents the contact between calcareous and non-calcareous material. A foliation defined by banding remains constant at 55 degrees TCA.	LCN										t		t	Sp	t			
										FO	55																
									Trace Po mineralization is present in the form of tiny Po veinlets.	VT	70		5															
288.32	316.50	28.18				LST	MBL	FO	Dark blue to bleached grey variably marbleized LST Foliation defined by banding of dark blue to light grey LST is pervasive throughout. Foliation appears to decrease from 70 degrees TCA near the start of the interval to 60 degrees TCA near the end. Trace amount of crinoid fossils are present and appear to be distorted by marbleization. Trace Py mineralization is present throughout and appears to be associated with darker, more carbonaceous bands.	FO	70							MBL	m										
										FO	60																
									Calcite veinlets occur throughout and are generally void of mineralization.	VT	75	280	2															
			293.20	296.03	2.83	LST	MBL	FO	Bleached grey to grey blue foliated marbleized LST. A medium grained granular texture is present due to recrystalization from MBL alteration. Foliation defined by banding is present at 70 degrees TCA. Carbonaceous dissolution stringers which follow FO contain trace Py mineralization.	FO	70							MBL	ms	t						
									Quartz calcite vein on FO at 295.00 m with trace Py mineralization.	VN	70	0								t							
			304.16	310.85	6.69	LST	MBL	FO	Bleached grey to dark blue marbleized LST showing variable degrees of OX alteration. 90% of the unit has a MG, blue/white spotted granular texture. A foliation defined by banding of white and blue LST material is present throughout at 60 degrees TCA. Ox within calcite and siderite veins/veinlets. These veins/veinlets occur at angles measurable TCA and in stockwork fashion. Trace oxidized Py mineralization is associated with these veinlets.	FO	60					w		MBL	ms	t			Si	w		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									Two calcite-siderite veins contributing to OX alteration occur at 304.20 m. These veins have oxidized and fractured the surrounding LST. The veins are 1 cm and 3 cm in width respectively.	VN	60															
										VN	60																
316.50	318.77	2.27				VOL	FO		Black to dark green variably foliated volcanic with light grey bleached banding and sections creating a "spotted" appearance. Foliation is best defined by areas showing a greater density of bleached banding.	FO	70							CHL	m	t		t	Cp	t			
									A 0.5 cm wide Ca veinlet is present at 316.50 m and associated with trace Po-Py mineralization as well as trace Cp.	VT	0									t		t	Cp	t			
									Upper contact is sharp and associated with a thin sinuous layer of massive Po and trace Cp.	uCN	80											i	Cp	t			
									Lower contact is sharp, irregular and associated with a thin sinuous layer of disseminated Po and Cp.	lCN												t	Cp	t			
318.77	336.63	17.86				LST	VOL	FO	Dark blue to bleached white marbleized LST containing light brown sericite altered and black amygdaloidal volcanic intervals within. Pervasive foliation defined by banding of dark blue to bleached grey marbleized LST is present. The degree of marbleization is variable ranging from moderate to intense. LST textures include dark blue dissolution stringers following FO, and spotted dark blue to white MG granular recrystalization. Distorted crinoid fossils are evident in marbleized LST sections. Volcanic intervals are FG to MG in texture. A foliation defined by banding is evident in volcanic sections as well. Foliation appears to range from 60 to 70 degrees variably throughout. Trace FG anhedral Py and Po is associated with volcanic sections.	FO	60							MBL	ms	t		t					
										FO	70																
			319.98	320.76	0.78	VOL	LST	AM	Black to dark brown variably calcareous intermittently amygdaloidal volcanic. Calcareous nature appears to be due to relict altered LST bands containing distorted crinoid fossils as well as calcite veinlets. A small percentage of this interval appears similar to the LEP unit. A pervasive foliation is defined by banding of volcanic and LST. Trace FG anhedral Po mineralization is found variably disseminated.	FO	70										t					

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									Tiny calcite veinlets void of mineralization are present.	VT	30		3														
									Upper contact is sharp and defined by a 2 cm wide calcite/dolomite vein void of mineralization.	uCN	70																
									Lower contact to marbleized LST unit is sharp	lCN	50																
			325.52	325.86	0.34	LST	VOL	FO	Dark blue to light grey marbleized LST interval containing two light brown 7.5 cm and 10 cm wide sericite altered volcanic units. A foliation defined by banding of LST is pervasive and appears to remain constant at 70 degrees TCA. Both the upper and lower contacts of the sericite altered volcanic sections are sharp and occur at 70 degrees TCA. Trace FG Py and Po mineralization is found associated with the sericite altered volcanic sections.	FO	70							MBL	m	t		t				
			336.01	336.63	0.62	LST	MBL		Bleached white intensely marbleized LST. Sinuous wisps of darker material define a weak foliation at 70 degrees TCA. Trace Py mineralization is associate with the darker sinuous wisps.	FO	70							MBL	i	t						
									The upper contact to less marbleized banded LST is sharp.	uCN	60	350															
									The lower contact to the deeper black amygdaloida unit is sharp.	lCN	60	350															
336.63	345.82	9.19				VOL		AM	Black to dark brown variably amygdaloidal variably calcareous volcanic with intensely marbleized white LST at uCN and lCN. Sections of this interval lacking in amygdules are darker brown, more calcareous and spotted in appearance resembling a much darker version of the LEP unit. Trace FG, anhedral Po and Py mineralization is found disseminated throughout and associated with veining.											t		t				
									Calcite veins/veinlets are present generally associated with trace Py mineralization.	VN	60		3														
										VT	50		5														
									A light pink, 4 cm wide dolomite vein is present at 342 m and associated with MG anhedral Py mineralization.	VN	15									w						
									A 2 cm wide quartz vein with massive CG subhedral Py mineralization is present at 344.55 m.	VN	35									i						
									The lower contact into intensely marbleized LST is gradational. The contact between calcareous marbleized LST and non-calcareous volcanic occurs at 345.82m.	lCN																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other				Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
345.82	350.00	4.18				LST	MBL	FO	Bleached white to grey blue intensely marbleized LST with sections of sericite altered banding and dark brown volcanic material. A pervasive foliation is defined by banding of LST and volcanic material. Foliation remains constant at 70 degrees TCA. A MG granular recrystalization texture is present throughout most of the interval.	FO	70							MBL	i								
350.00	373.00	23.00				LST	MBL	FO	Dark blue to light grey LST exhibiting varying degrees of marbleization and banding. Sections showing a greater degree of marbleization exhibit dark blue/ light grey banding and a MG granular recrystalization texture. Less marbleized sections are dark blue in color and contain crinoid fossils. The less marbleized sections also contain black carbonaceous sinuous bands and clasts. A foliation defined by banding is present intermittently throughout the interval and is more evident in sections showing a greater degree of marbleization. Foliation remains constant at 70 degrees TCA. Trace Po and Py mineralization occurs throughout the interval, predominantly in the black carbonaceous bands of less MBL altered LST.	FO	70							MBL	m	t		t					
			362.53	362.57	0.04	VOL	SER		Black to light brown moderately sericite altered volcanic containing quartz and Po mineralization.									SER	m			w					
									The upper and lower contacts are sharp and occur at 70 degrees TCA. Intense white MBL alteration is present above the uCN and below the lCN grading into less MBL altered LST.	uCN	70	340															
										lCN	70	340															
			365.95	366.06	0.11	VOL	SER		Beige to red brown banded sericite altered volcanic containing sinuous bands of Po mineralization.	FO	70										w					
									The upper and lower contacts are sharp containing bleached white MBL grading into more weakly marbleized LST.	uCN	60	20															
										lCN	60	340															

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
373.00	379.00	6.00				VOL	MBL	FO	Bleached white to reddish brown banded interval consisting of 50% volcanic material intermixed with white MBL. The volcanic portion includes black, purpleish brown and beige sericite altered material. The interval is pervasively calcareous and some portions appear to be similar to the LEP unit with a dark brown/white spotted appearance. A foliation defined by banding is pervasive throughout but is more evident is the more marbleized sections. Foliation appears to vary from 60 to 70 degrees TCA throughout. Trace Po mineralization is present and appears to be associated with volcanic material. Trace Cp and Sp mineralization is associated with veining. Veins include quartz, dolomite and calcite veins/veinlets.	FO	60							MBL	i			t	Sp	t	Cp	t	
										FO	70																	
									A 1 cm wide dolomite vein is present at 376.10m. This vein is overprinted by volcanic sericite altered material and is void of mineralization.	VN	35																
									A dolomite-calcite vein 1cm in width containing trace Sp mineralization is present at 377.14m.	VN	60	340															
									A quartz vein 1cm in width containing Po and Cp mineralization is present at 378.67m.	VN	60											t	Cp	t			
379.00	394.38	15.38				LST	VOL	FO	Dark blue to bleached white variably marbleized LST unit containing interfingered bands of sericite altered and dark reddish-brown volcanic material. A foliation defined by banding of LST and volcanic material is present variably throughout. Foliation is better defined in sections exhibiting a greater degree of marbleization and in sections containing more volcanic material. Foliation remains constant at 70 degrees TCA throughout. Trace Po occurs disseminated throughout and is associated with the bands of volcanic material.	FO	70							MBL	ms			w	Cp	t			
									A 2cm wide quartz vein housing weak Cp and Po mineralization is present at 382.54m.	VN	75	0										w	Cp	w			
									A 1cm wide dolomite vein void of mineralization is present at 394.38m.	VN	7	280															

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
394.38	425.81	31.43				LST	MBL	FO	Dark blue to light grey variably marbleized LST. Sections showing a greater degree of marbleization show a foliation defined by banding of light grey and dark blue LST layers as well as a MG granular recrystalization texture. Sections showing a weaker degree of marbleization are dark blue in colour and contain black, angular MG carbonaceous clasts and distorted crinoid fossils and foliation defined by banding is not as evident. Trace FG, anhedral Po and Py mineralization occurs disseminated throughout. Foliation remains constant at 70 degrees TCA. This interval continues to EOH.	FO	70							MBL	w	t		t					
									425.81 m: E.O.H. - Hole ended because it was passed the target depth.																		

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: Rau-SC10-06

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
283.72	286.72	3.00	VOL	VN	3.00	100	I077208	76	<0.01	0.17	5	0.73	
286.72	288.32	1.60	VOL	VN	1.60	100	I077209	76	<0.01	3.36	64	4.35	
288.32	291.32	3.00	LST	MBL	3.00	100	I077210	76	<0.01	0.04	9	0.12	

GEOTECHNICAL LOG

HOLE: Rau-SC10-06

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
2.75	5.18	2.43	1.04	43	0.00	0	W	MW		
5.18	8.23	3.05	2.36	77	0.95	31	W	MW		
8.23	11.28	3.05	1.23	40	0.55	18	W	MW		
11.28	14.33	3.05	2.28	75	0.99	32	W	MW		
14.33	17.37	3.04	2.76	91	1.82	60	MS	SW		
17.37	20.42	3.05	2.88	94	2.00	66	MS	SW		
20.42	23.46	3.04	3.04	100	1.35	44	MS	SW		
23.46	26.52	3.06	2.74	90	2.36	77	MS	SW		
26.52	29.57	3.05	3.02	99	2.52	83	MS	SW		
29.57	32.61	3.04	3.04	100	2.20	72	MS	FR		
32.61	35.66	3.05	2.98	98	2.62	86	MS	FR		
35.66	38.71	3.05	3.05	100	2.84	93	MS	FR		
38.71	41.76	3.05	3.04	100	2.60	85	MS	FR		
41.76	44.81	3.05	3.03	99	2.93	96	MS	FR		
44.81	47.85	3.04	3.03	100	2.93	96	MS	FR		
47.85	50.90	3.05	3.03	99	2.65	87	MS	FR		
50.90	53.95	3.05	3.04	100	2.74	90	MS	FR		
53.95	57.00	3.05	2.95	97	2.70	89	MS	FR		
57.00	60.05	3.05	3.05	100	2.15	70	MS	FR		
60.05	63.09	3.04	2.98	98	2.55	84	MS	FR		
63.09	66.14	3.05	2.71	89	2.71	89	MS	FR		
66.14	69.19	3.05	3.05	100	3.05	100	MS	FR		
69.19	72.24	3.05	3.05	100	2.99	98	MS	FR		
72.24	75.29	3.05	3.01	99	3.01	99	MS	FR		
75.29	78.33	3.04	2.99	98	2.89	95	MS	FR		
78.33	81.38	3.05	3.05	100	3.05	100	MS	FR		
81.38	84.43	3.05	3.00	98	3.00	98	MS	FR		
84.43	87.48	3.05	3.04	100	2.87	94	MS	FR		
87.48	90.53	3.05	3.05	100	2.97	97	MS	FR		
90.53	93.57	3.04	3.00	99	2.60	86	MS	FR		
93.57	96.62	3.05	2.98	98	2.83	93	MS	FR		
96.62	99.67	3.05	3.05	100	3.05	100	MS	FR		
99.67	102.71	3.04	3.04	100	3.04	100	MS	FR		
102.71	105.77	3.06	3.02	99	2.90	95	MS	FR		
105.77	108.81	3.04	3.02	99	2.78	91	MS	FR		
108.81	111.86	3.05	3.05	100	3.05	100	MS	FR		
111.86	114.91	3.05	3.03	99	2.95	97	MS	FR		
114.91	117.96	3.05	2.97	97	2.81	92	MS	FR		
117.96	121.01	3.05	3.00	98	2.85	93	MS	FR		
121.01	124.05	3.04	2.97	98	2.71	89	MS	FR		
124.05	127.10	3.05	2.95	97	2.53	83	MS	FR		
127.10	130.15	3.05	3.00	98	2.45	80	MS	FR		
130.15	133.20	3.05	2.99	98	2.99	98	MS	FR		
133.20	136.25	3.05	3.04	100	2.60	85	MS	FR		
136.25	139.29	3.04	2.90	95	2.72	89	MS	FR		
139.29	142.34	3.05	2.98	98	2.70	89	MS	FR		
142.34	145.39	3.05	3.04	100	2.81	92	MS	FR		
145.39	148.44	3.05	2.96	97	2.48	81	MS	FR		
148.44	151.49	3.05	3.05	100	3.05	100	MS	FR		
151.49	154.53	3.04	2.80	92	2.57	85	MS	FR		
154.53	157.58	3.05	3.05	100	2.91	95	MS	FR		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
157.58	160.63	3.05	3.04	100	2.92	96	MS	FR		
160.63	163.68	3.05	3.02	99	2.95	97	MS	FR		
163.68	166.73	3.05	3.02	99	2.77	91	MS	FR		
166.73	169.77	3.04	3.01	99	2.92	96	MS	FR		
169.77	172.82	3.05	3.05	100	2.87	94	MS	FR		
172.82	175.87	3.05	3.01	99	2.84	93	MS	FR		
175.87	178.92	3.05	3.05	100	2.93	96	MS	FR		
178.92	181.97	3.05	3.01	99	2.90	95	MS	FR		
181.97	185.01	3.04	3.04	100	2.91	96	MS	FR		
185.01	188.06	3.05	2.96	97	2.51	82	MS	FR		
188.06	191.11	3.05	3.01	99	2.75	90	MS	FR		
191.11	194.15	3.04	3.04	100	2.94	97	MS	FR		
194.15	197.21	3.06	3.00	98	2.74	90	MS	FR		
197.21	200.25	3.04	3.04	100	2.92	96	MS	FR		
200.25	203.30	3.05	2.96	97	2.88	94	MS	FR		
203.30	206.35	3.05	3.05	100	3.05	100	MS	FR		
206.35	209.40	3.05	3.05	100	2.43	80	MS	FR		
209.40	212.45	3.05	3.05	100	2.89	95	MS	FR		
212.45	215.49	3.04	3.00	99	2.69	88	MS	FR		
215.49	218.54	3.05	3.05	100	2.45	80	MS	FR		
218.54	221.59	3.05	3.05	100	2.88	94	MS	FR		
221.59	224.64	3.05	3.04	100	1.50	49	MS	FR		
224.64	227.69	3.05	2.95	97	2.02	66	MS	FR		
227.69	230.73	3.04	2.92	96	2.47	81	MS	FR		
230.73	233.78	3.05	2.89	95	1.61	53	MS	FR		
233.78	236.83	3.05	3.03	99	2.91	95	MS	FR		
236.83	239.88	3.05	3.03	99	2.88	94	MS	FR		
239.88	242.93	3.05	3.05	100	2.90	95	MS	FR		
242.93	245.97	3.04	3.02	99	2.99	98	MS	FR		
245.97	249.02	3.05	3.03	99	2.81	92	MS	FR		
249.02	252.07	3.05	3.03	99	2.95	97	MS	FR		
252.07	255.12	3.05	2.95	97	2.35	77	MS	FR		
255.12	258.16	3.04	2.85	94	2.62	86	MS	FR		
258.16	261.21	3.05	2.99	98	2.19	72	MS	FR		
261.21	264.26	3.05	2.87	94	1.71	56	MS	FR		
264.26	267.30	3.04	2.81	92	2.19	72	MS	FR		
267.30	270.36	3.06	2.79	91	1.34	44	W	FR		
270.36	273.41	3.05	2.76	90	1.33	44	W	FR		
273.41	276.45	3.04	2.93	96	1.55	51	MS	FR		
276.45	279.50	3.05	3.05	100	2.56	84	MS	FR		
279.50	282.55	3.05	3.05	100	2.25	74	MS	FR		
282.55	285.60	3.05	3.05	100	2.00	66	MS	FR		
285.60	288.65	3.05	3.05	100	2.48	81	MS	FR		
288.65	291.69	3.04	3.04	100	2.42	80	MS	FR		
291.69	294.74	3.05	2.97	97	2.78	91	MS	FR		
294.74	297.79	3.05	3.04	100	2.66	87	MS	FR		
297.79	300.84	3.05	3.05	100	2.68	88	MS	FR		
300.84	303.89	3.05	3.03	99	2.53	83	MS	FR		
303.89	306.93	3.04	3.04	100	2.57	85	MS	FR		
306.93	309.98	3.05	3.05	100	2.31	76	MS	FR		
309.98	313.03	3.05	3.01	99	2.49	82	MS	FR		
313.03	316.08	3.05	3.03	99	2.88	94	MS	FR		
316.08	319.13	3.05	3.00	98	2.11	69	MS	FR		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
319.13	322.17	3.04	3.00	99	2.21	73	MS	FR		
322.17	325.22	3.05	3.05	100	2.65	87	MS	FR		
325.22	328.27	3.05	2.85	93	2.30	75	MS	FR		
328.27	331.32	3.05	2.95	97	2.49	82	MS	FR		
331.32	334.37	3.05	3.03	99	2.26	74	MS	FR		
334.37	337.41	3.04	3.04	100	2.83	93	MS	FR		
337.41	340.46	3.05	3.05	100	2.45	80	MS	FR		
340.46	343.51	3.05	3.05	100	2.85	93	MS	FR		
343.51	346.56	3.05	3.03	99	2.90	95	MS	FR		
346.56	349.61	3.05	3.05	100	2.38	78	MS	FR		
349.61	352.65	3.04	3.04	100	2.88	95	MS	FR		
352.65	355.70	3.05	3.01	99	2.81	92	MS	FR		
355.70	358.75	3.05	3.05	100	2.80	92	MS	FR		
358.75	361.80	3.05	3.05	100	2.93	96	MS	FR		
361.80	364.85	3.05	3.01	99	2.85	93	MS	FR		
364.85	367.89	3.04	3.04	100	2.81	92	MS	FR		
367.89	370.94	3.05	3.04	100	2.91	95	MS	FR		
370.94	373.99	3.05	3.05	100	2.57	84	MS	FR		
373.99	377.04	3.05	3.05	100	2.65	87	MS	FR		
377.04	380.09	3.05	3.05	100	2.27	74	MS	FR		
380.09	383.13	3.04	3.00	99	2.68	88	MS	FR		
383.13	386.18	3.05	3.00	98	2.75	90	MS	FR		
386.18	389.23	3.05	3.03	99	2.79	91	MS	FR		
389.23	392.28	3.05	3.05	100	3.01	99	MS	FR		
392.28	395.33	3.05	2.93	96	2.93	96	MS	FR		
395.33	398.37	3.04	3.04	100	3.04	100	MS	FR		
398.37	401.42	3.05	3.03	99	2.97	97	MS	FR		
401.42	404.47	3.05	3.05	100	3.05	100	MS	FR		
404.47	407.52	3.05	3.05	100	2.83	93	MS	FR		
407.52	410.57	3.05	2.93	96	2.76	90	MS	FR		
410.57	413.61	3.04	3.04	100	2.84	93	MS	FR		
413.61	416.66	3.05	3.04	100	2.86	94	MS	FR		
416.66	419.71	3.05	3.01	99	2.72	89	MS	FR		
419.71	422.76	3.05	3.05	100	2.85	93	MS	FR		
422.76	425.81	3.05	3.00	98	2.62	86	MS	FR		
425.81	E.O.H.									

MAGNETIC SUSCEPTIBILITY LOG

HOLE: Rau-SC10-06

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	OVB		N/A	
2.00	OVB		N/A	
3.00	LST	RBL	0.05	
4.00	LST	RBL	0.12	
5.00	LST	RBL	0.20	
6.00	LST	DOL	0.14	
7.00	LST	DOL	1.33	
8.00	LST	DOL	0.00	
9.00	LST	DOL	1.86	
10.00	LST	DOL	3.69	
11.00	LST	DOL	0.00	
12.00	LST	DOL	0.00	
13.00	LST	FOS	0.00	
14.00	LST	FOS	1.44	
15.00	LST	FOS	3.27	
16.00	LST	FOS	4.44	
17.00	LST	FOS	2.74	
18.00	LST	FOS	2.54	
19.00	LST	FOS	0.16	
20.00	LST	FOS	0.03	
21.00	LST	FOS	1.73	
22.00	LST	FOS	0.00	
23.00	LST	FOS	0.00	
24.00	LST	FOS	0.00	
25.00	LST	FOS	0.00	
26.00	LST	FOS	0.00	
27.00	LST	FOS	1.48	
28.00	LST	FOS	1.88	
29.00	LST	FOS	2.43	
30.00	LST	FOS	0.67	
31.00	LST	FOS	2.30	
32.00	LST	FOS	0.62	
33.00	LST	FOS	1.97	
34.00	LST	FOS	0.60	
35.00	LST	FOS	1.28	
36.00	LST	FOS	5.10	
37.00	LST	FOS	0.00	
38.00	LST	FOS	0.00	
39.00	LST	FOS	0.00	
40.00	LST	FOS	1.68	
41.00	LST	FOS	1.84	
42.00	LST	FOS	2.28	
43.00	LST	FOS	1.42	
44.00	LST	FOS	2.89	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	LST	FOS	2.15	
46.00	LST	FOS	2.26	
47.00	LST	FOS	1.70	
48.00	LST	FOS	3.34	
49.00	LST	FOS	1.90	
50.00	LST	FOS	3.45	
51.00	LST	FOS	1.44	
52.00	LST	FOS	1.02	
53.00	LST	FOS	1.73	
54.00	LST	FOS	0.00	
55.00	LST	FOS	0.95	
56.00	LST	FOS	0.00	
57.00	LST	FOS	0.23	
58.00	LST	FOS	0.00	
59.00	LST	FOS	0.31	
60.00	LST	FOS	0.56	
61.00	LST	FOS	0.73	
62.00	LST	FOS	1.68	
63.00	LST	FOS	1.62	
64.00	LST	FOS	0.82	
65.00	LST	FOS	0.71	
66.00	LST	FOS	0.00	
67.00	LST	FOS	0.00	
68.00	LST	FOS	1.79	
69.00	LST	FOS	0.00	
70.00	LST	FOS	1.50	
71.00	LST	FOS	0.75	
72.00	LST	FOS	0.91	
73.00	LST	FOS	0.62	
74.00	LST	FOS	0.25	
75.00	LST	FOS	0.36	
76.00	LST	FOS	0.12	
77.00	LST	FOS	0.01	
78.00	LST	FOS	3.58	
79.00	LST	FOS	1.33	
80.00	LST	FOS	2.10	
81.00	LST	FOS	3.87	
82.00	LST	FOS	2.50	
83.00	LST	FOS	3.98	
84.00	LST	FOS	0.12	
85.00	LST	FOS	1.37	
86.00	LST	FOS	1.04	
87.00	LST	FOS	1.02	
88.00	LST	FOS	1.99	
89.00	LST	FOS	0.65	
90.00	LST	FOS	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	LST	FOS	0.00	
92.00	LST	FOS	0.23	
93.00	LST	FOS	0.00	
94.00	LST	FOS	0.20	
95.00	LST	FOS	0.54	
96.00	LST	FOS	0.34	
97.00	LST	FOS	0.00	
98.00	LST	FOS	0.00	
99.00	LST	FOS	0.00	
100.00	LST	FOS	2.90	
101.00	LST	FOS	2.17	
102.00	LST	FOS	0.89	
103.00	LST	FOS	0.18	
104.00	LST	FOS	0.38	
105.00	LST	FOS	1.18	
106.00	LST	FOS	1.77	
107.00	LST	FOS	1.57	
108.00	LST	FOS	0.01	
109.00	LST	FOS	1.04	
110.00	LST	FOS	0.00	
111.00	LST	FOS	2.74	
112.00	LST	FOS	0.00	
113.00	LST	MBL	0.12	
114.00	LST	MBL	1.26	
115.00	LST	MBL	0.00	
116.00	LST	MBL	3.12	
117.00	LST	MBL	1.40	
118.00	LST	MBL	0.91	
119.00	LST	MBL	1.00	
120.00	LST	MBL	4.17	
121.00	LST	MBL	0.00	
122.00	LST	MBL	2.72	
123.00	LST	VOL	1.92	
124.00	LST	VOL	0.18	
125.00	LST	VOL	3.03	
126.00	LST	VOL	3.91	
127.00	LST	VOL	0.00	
128.00	LST	VOL	4.53	
129.00	LST	VOL	0.45	
130.00	LST	VOL	1.72	
131.00	LST	VOL	1.48	
132.00	LST	VOL	1.97	
133.00	LST	VOL	0.00	
134.00	LST	VOL	4.11	
135.00	LST	VOL	4.13	
136.00	LST	VOL	5.67	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	LST	VOL	0.91	
138.00	LST	VOL	0.84	
139.00	LST	VOL	2.56	
140.00	LST	VOL	0.00	
141.00	LST	VOL	2.94	
142.00	LST	VOL	3.22	
143.00	LST	VOL	1.00	
144.00	LST	VOL	2.21	
145.00	LST	VOL	1.26	
146.00	LST	VOL	5.21	
147.00	LST	VOL	3.86	
148.00	LST	VOL	2.47	
149.00	LST	VOL	1.93	
150.00	LST	VOL	0.00	
151.00	LST	FOS	2.70	
152.00	LST	FOS	1.46	
153.00	LST	FOS	3.29	
154.00	LST	FOS	2.11	
155.00	LST	FOS	1.40	
156.00	LST	FOS	0.80	
157.00	LST	FOS	0.60	
158.00	LST	FOS	0.69	
159.00	LST	FOS	0.10	
160.00	LST	FOS	0.58	
161.00	LST	FOS	0.00	
162.00	LST	FOS	1.72	
163.00	LST	FOS	1.31	
164.00	LST	FOS	1.55	
165.00	LST	FOS	0.58	
166.00	LST	FOS	0.62	
167.00	LST	FOS	1.22	
168.00	LST	FOS	1.88	
169.00	LST	FOS	0.91	
170.00	LST	FOS	0.60	
171.00	LST	FOS	1.64	
172.00	LST	FOS	2.19	
173.00	LST	FOS	0.84	
174.00	LST	FOS	1.24	
175.00	LST	FOS	0.40	
176.00	LST	FOS	1.00	
177.00	LST	FOS	0.00	
178.00	LST	VOL	0.65	
179.00	LST	VOL	1.11	
180.00	LST	VOL	0.71	
181.00	LST	VOL	0.10	
182.00	LST	VOL	0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00	LST	VOL	1.02	
184.00	LST	VOL	1.12	
185.00	LST	VOL	1.18	
186.00	LST	VOL	1.33	
187.00	LST	VOL	1.13	
188.00	LST	VOL	2.10	
189.00	LST	VOL	0.34	
190.00	LST	VOL	1.04	
191.00	LST	VOL	0.42	
192.00	LST	VOL	2.30	
193.00	LST	VOL	1.11	
194.00	LST	VOL	0.00	
195.00	LST	VOL	0.80	
196.00	LST	VOL	1.44	
197.00	LST	VOL	1.73	
198.00	LST	VOL	0.69	
199.00	LST	VOL	1.79	
200.00	LST	VOL	1.39	
201.00	LST	VOL	0.95	
202.00	LST	VOL	3.55	
203.00	LST	VOL	1.06	
204.00	LST	VOL	0.80	
205.00	LST	VOL	1.62	
206.00	LST	VOL	0.00	
207.00	LST	VOL	0.51	
208.00	VOL	LST	8.98	
209.00	VOL	LST	0.80	
210.00	VOL	LST	5.32	
211.00	VOL	FO	2.67	
212.00	VOL	FO	1.77	
213.00	VOL	FO	6.27	
214.00	VOL	FO	4.31	
215.00	VOL	FO	8.56	
216.00	LST	VOL	0.45	
217.00	LST	VOL	2.47	
218.00	LST	VOL	0.45	
219.00	LST	VOL	1.81	
220.00	LST	VOL	4.52	
221.00	LST	VOL	1.28	
222.00	VOL		1.53	
223.00	VOL		4.20	
224.00	VOL		2.43	
225.00	VOL		3.23	
226.00	VOL		1.20	
227.00	VOL		2.08	
228.00	VOL		1.26	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
229.00	VOL		4.50	
230.00	VOL		4.48	
231.00	VOL		15.60	
232.00	VOL		14.40	
233.00	VOL		20.90	
234.00	LST	MBL	1.00	
235.00	LST	MBL	1.20	
236.00	LST	MBL	0.96	
237.00	LST	MBL	1.59	
238.00	LST	MBL	1.68	
239.00	LST	MBL	9.04	
240.00	LST	MBL	7.26	
241.00	LST	MBL	0.95	
242.00	LST	MBL	0.25	
243.00	LST	MBL	0.73	
244.00	LST	MBL	1.11	
245.00	LST	MBL	1.18	
246.00	LST	MBL	0.73	
247.00	LST	MBL	1.00	
248.00	LST	MBL	1.44	
249.00	LST	MBL	0.80	
250.00	LST	MBL	0.31	
251.00	LST	MBL	0.76	
252.00	LST	MBL	0.67	
253.00	VOL		0.65	
254.00	VOL		85.70	magnetite
255.00	VOL	CHL	66.60	
256.00	VOL	CHL	0.64	
257.00	VOL	CHL	1.46	
258.00	VOL	CHL	55.00	
259.00	VOL	CGL	65.90	
260.00	VOL	CGL	40.10	
261.00	VOL	CGL	2.52	
262.00	VOL		16.30	
263.00	VOL		5.01	
264.00	VOL		39.70	
265.00	VOL		24.40	
266.00	VOL		43.70	
267.00	VOL		99.80	
268.00	VOL		113.00	
269.00	VOL		118.00	
270.00	VOL	BLE	0.76	
271.00	VOL	BLE	0.64	
272.00	VOL	BLE	14.00	
273.00	VOL	FO	0.00	
274.00	VOL	FO	2.98	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
275.00	VOL	FO	1.00	
276.00	VOL	CGL	3.33	
277.00	VOL	CGL	5.54	
278.00	VOL	CGL	13.00	
279.00	VOL	CGL	5.39	
280.00	VOL	CGL	3.03	
281.00	VOL	CGL	3.36	
282.00	VOL	CGL	4.79	
283.00	VOL	CGL	5.36	
284.00	VOL	VN	5.08	
285.00	VOL	VN	5.59	
286.00	VOL	VN	0.45	
287.00	VOL	VN	6.27	
288.00	VOL		0.93	
289.00	LST	MBL	0.16	
290.00	LST	MBL	0.76	
291.00	LST	MBL	1.20	
292.00	LST	MBL	0.00	
293.00	LST	MBL	0.75	
294.00	LST	MBL	0.53	
295.00	LST	MBL	1.83	
296.00	LST	MBL	1.20	
297.00	LST	MBL	0.20	
298.00	LST	MBL	1.59	
299.00	LST	MBL	3.69	
300.00	LST	MBL	0.16	
301.00	LST	MBL	0.00	
302.00	LST	MBL	0.23	
303.00	LST	MBL	0.42	
304.00	LST	MBL	0.36	
305.00	LST	MBL	0.75	
306.00	LST	MBL	0.84	
307.00	LST	MBL	0.18	
308.00	LST	MBL	0.64	
309.00	LST	MBL	0.00	
310.00	LST	MBL	0.49	
311.00	LST	MBL	0.86	
312.00	LST	MBL	1.24	
313.00	LST	MBL	0.14	
314.00	LST	MBL	0.49	
315.00	LST	MBL	0.76	
316.00	LST	MBL	1.44	
317.00	VOL	FO	0.69	
318.00	VOL	FO	1.02	
319.00	LST	VOL	0.12	
320.00	LST	VOL	0.98	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
321.00	LST	VOL	0.00	
322.00	LST	VOL	0.45	
323.00	LST	VOL	0.00	
324.00	LST	VOL	1.75	
325.00	LST	VOL	0.01	
326.00	LST	VOL	0.03	
327.00	LST	VOL	7.92	
328.00	LST	VOL	2.72	
329.00	LST	VOL	1.24	
330.00	LST	VOL	4.57	
331.00	LST	VOL	0.23	
332.00	LST	VOL	18.60	
333.00	LST	VOL	7.33	
334.00	LST	VOL	0.00	
335.00	LST	VOL	0.54	
336.00	LST	VOL	1.81	
337.00	VOL	AM	0.00	
338.00	VOL	AM	13.00	
339.00	VOL	AM	1.55	
340.00	VOL	AM	2.01	
341.00	VOL	AM	0.75	
342.00	VOL	AM	0.60	
343.00	VOL	AM	4.44	
344.00	VOL	AM	2.90	
345.00	VOL	AM	12.90	
346.00	LST	MBL	1.06	
347.00	LST	MBL	0.56	
348.00	LST	MBL	0.00	
349.00	LST	MBL	1.81	
350.00	LST	MBL	2.36	
351.00	LST	MBL	0.01	
352.00	LST	MBL	0.93	
353.00	LST	MBL	0.53	
354.00	LST	MBL	0.82	
355.00	LST	MBL	0.00	
356.00	LST	MBL	3.38	
357.00	LST	MBL	1.57	
358.00	LST	MBL	0.67	
359.00	LST	MBL	0.21	
360.00	LST	MBL	0.36	
361.00	LST	MBL	0.47	
362.00	LST	MBL	1.75	
363.00	LST	MBL	1.13	
364.00	LST	MBL	0.86	
365.00	LST	MBL	1.26	
366.00	LST	MBL	10.60	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
367.00	LST	MBL	0.47	
368.00	LST	MBL	0.89	
369.00	LST	MBL	1.22	
370.00	LST	MBL	1.28	
371.00	LST	MBL	2.72	
372.00	LST	MBL	0.87	
373.00	LST	MBL	3.31	
374.00	VOL	MBL	1.11	
375.00	VOL	MBL	1.07	
376.00	VOL	MBL	0.05	
377.00	VOL	MBL	0.00	
378.00	VOL	MBL	0.71	
379.00	LST	VOL	2.23	
380.00	LST	VOL	0.80	
381.00	LST	VOL	7.22	
382.00	LST	VOL	3.01	
383.00	LST	VOL	0.31	
384.00	LST	VOL	1.77	
385.00	LST	VOL	1.62	
386.00	LST	VOL	4.06	
387.00	LST	VOL	0.00	
388.00	LST	VOL	0.38	
389.00	LST	VOL	3.03	
390.00	LST	VOL	0.87	
391.00	LST	VOL	1.55	
392.00	LST	VOL	0.95	
393.00	LST	VOL	1.81	
394.00	LST	VOL	0.31	
395.00	LST	MBL	0.29	
396.00	LST	MBL	0.00	
397.00	LST	MBL	1.04	
398.00	LST	MBL	0.73	
399.00	LST	MBL	0.84	
400.00	LST	MBL	0.49	
401.00	LST	MBL	0.89	
402.00	LST	MBL	0.21	
403.00	LST	MBL	1.31	
404.00	LST	MBL	0.00	
405.00	LST	MBL	0.86	
406.00	LST	MBL	0.00	
407.00	LST	MBL	1.37	
408.00	LST	MBL	1.24	
409.00	LST	MBL	3.22	
410.00	LST	MBL	0.00	
411.00	LST	MBL	2.70	
412.00	LST	MBL	0.64	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
413.00	LST	MBL	0.20	
414.00	LST	MBL	0.49	
415.00	LST	MBL	1.39	
416.00	LST	MBL	0.00	
417.00	LST	MBL	1.42	
418.00	LST	MBL	0.00	
419.00	LST	MBL	0.00	
420.00	LST	MBL	1.04	
421.00	LST	MBL	0.87	
422.00	LST	MBL	0.34	
423.00	LST	MBL	0.43	
424.00	LST	MBL	0.27	
425.00	LST	MBL	0.29	E.O.H.

DENSITY LOG

HOLE: Rau-SC10-06

Depth (m)	Unit	Modifier	Texture	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
				Py %	As %	Other	%							
164.00	LST	FOS				Po	t		16.2	5.0	903.3	572.4	2.80	2.73
210.00	LEP	SER		t					16.7	5.0	971.3	628.4	2.92	2.83
212.45	VOL			t					16.9	5.0	957.9	614.5	2.85	2.79
221.00	LST	MBL							16.7	5.0	905.4	563.8	2.72	2.65
239.32	LEP								14.7	5.0	843.8	536.4	2.88	2.74
242.85	LST	MLB	BN						12.7	5.0	693.8	439.3	2.74	2.73
253.80	VOL		BN						14.7	5.0	834.5	534.7	2.85	2.78
278.07	VOL	CGL		f					14.8	5.0	856.0	554.8	2.91	2.84
284.70	VOL	VN	FO						15.5	5.0	953.8	620.5	3.09	2.86
308.50	MBL	OX							15.5	5.0	869.5	543.8	2.82	2.67
317.70	VOL	CHL	FO						15.7	5.0	942.2	610.4	3.02	2.84
374.10	VOL	MBL	FO						14.1	5.0	783.2	497.5	2.79	2.74
340.30	VOL	AM				Po	t		15.2	5.0	909.8	595.6	3.01	2.90
347.50	MBL	LST							15.3	5.0	917.7	579.0	3.01	2.71

BOX LOG

HOLE: Rau-SC10-06

BOX	FROM (m)	TO (m)
1	2.75	8.72
2	8.72	15.75
3	15.75	21.14
4	21.14	26.52
5	26.52	32.13
6	32.13	37.48
7	37.48	42.85
8	42.85	48.37
9	48.37	53.95
10	53.95	59.47
11	59.47	65.06
12	65.06	70.84
13	70.84	76.60
14	76.60	82.11
15	82.11	87.62
16	87.62	93.25
17	93.25	98.88
18	98.88	104.51
19	104.51	110.16
20	110.16	115.88
21	115.88	121.38
22	121.38	127.10
23	127.10	132.75
24	132.75	138.50
25	138.50	144.34
26	144.34	149.85
27	149.85	155.52
28	155.52	161.15
29	161.15	166.73
30	166.73	172.58
31	172.58	178.19
32	178.19	183.83
33	183.83	189.54
34	189.54	195.23
35	195.23	201.00
36	201.00	206.58
37	206.58	212.07
38	212.07	217.76
39	217.76	223.22
40	223.22	228.95
41	228.95	234.51
42	234.51	240.13
43	240.13	245.82
44	245.82	251.41
45	251.41	256.99

BOX	FROM (m)	TO (m)
46	256.99	262.59
47	262.59	268.32
48	268.32	273.41
49	273.41	278.98
50	278.98	284.69
51	284.69	290.13
52	290.13	295.40
53	295.40	301.22
54	301.22	306.89
55	306.89	312.50
56	312.50	317.78
57	317.78	323.26
58	323.26	329.22
59	329.22	334.88
60	334.88	340.39
61	340.39	346.11
62	346.11	351.57
63	351.57	357.37
64	357.37	363.00
65	363.00	368.48
66	368.48	373.99
67	373.99	379.60
68	379.60	380.09
69	380.09	385.89
70	385.89	391.72
71	391.72	397.47
72	397.47	403.08
73	403.08	408.94
74	408.94	414.57
75	414.57	420.11
76	420.11	425.81
425.81 m - E.O.H.		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
09+965NE	09+315NW	528916	7118498	1220	438.00

ZONE:

SECTION: 09+315NW

HOLE: **RauSC10-07**

CLAIM:

Contractor: Superior

Drill: 3

Core size: NQ

Casing depth: 3.05 m out

Drilling dates: September 1-5, 2010

Geology logged by: J. Lane, K. Wynne

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	48	-50.0	compass	270.36	51	-47.1	Ranger
26.52	50	-49.9	Ranger	331.32	53	-47.1	Ranger
133.20	52	-48.0	Ranger	377.04	54	-47.3	Ranger
194.16	50	-47.7	Ranger	438.00	53	-47.9	Ranger

TARGET: Linear structure on strike of Tiger zone.

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	1.30	1.30	OVB	
1.30	81.23	79.93	LST	Fossilzed LST with local intense MBL.
81.23	89.37	8.14	VOL	Weak SER.
89.37	307.59	218.22	LST	weak MBL to MBL, with VOL interzones.
307.59	394.11	86.52	VOL	CHL, BIO, and SER, with MBL and LST zones.
394.11	438.00	43.89	LST	Weak MBL.
438.00	E.O.H.			

SAMPLES

Numbers: I077281-I077316, I077324-I077353

Total: 66

Batch: 78, 79, 80

Date Sent: September 8, 12, 15

Certificate: VA10130415, VA10132859, VA10136192

COMMENTS

The hole was ended because it was passed the target depth.

GEOLOGY LOG

HOLE: RauSC10-07

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
0.00	1.30	1.30				OVB			Overburden - No recovery																		
1.30	47.02	45.72				LST	FOS	FO	Medium grey fairly fossiliferous LST with a strong FO. Crinoid stem fragments are most common, but favocites mounds up to 5 cm in diameter occur as well. The unit shows no sign of sBX or cBX, just a very obvious strain induced banding that defines the FO. Trace FG yellow pyrite and weak pinkish/brown Po are both disseminated throughout. The Po tends to occur in groups of disseminations up to 5 cm wide separated by 10's of cm's showing no mineralization. Py is more evenly spread throughout.	FO	60									t		w					
									Coarse grained DOL veins with fairly sharp boundaries cut the FO.	VN	30	100															
47.02	50.82	3.80				VOL	BIO		Medium brown/grey obviously banded VOL with small intervals of marbleized LST within.																		
									Banding occurs at 70 deg TCA and is defined by <1 mm to 2 cm thick slightly varied-coloured bands.	FO	70																
			48.49	49.58	1.09	LST	MBL		Intensely marbleized LST within the VOL.									MBL	i								
50.82	70.50	19.68				LST	MBL	FO	Medium to light grey, moderately marbleized LST with Ca/SID veinlets cutting throughout and a highly banded appearance is a character of the strain and occurs at 70 deg TCA.	FO	70							MBL	m								
									The veinlets are 1-3 mm thick and cut the core at 25 deg TCA.	VT	25																
			62.43	66.14	3.71	LST	MBL		The banding in the LST has become extremely swaley with a general FO at 40 deg TCA.																		
70.50	81.23	10.73				LST	FOS	FO	Medium to dark grey fossiliferous LST that shows soft sediment deformation textures and a strong FO. Fossils include 3 mm to 1cm crinoid fragments generally occurring in packed bands with a dark grey matrix. The upper contact is very gradational, while the lower contact is marked by 3 cm of white marble. Weak Pyrite occurs as disseminated FG-MG subhedral to euhedral isolated crystals.	CN									w							
									FO is strong and defined by strain banding.	FO	60																

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
81.23	89.37	8.14				VOL	SER		Medium to light greenish grey strongly foliated VOL with weakly disseminated FG patches of Po. Weak sericite alteration occurs throughout. The unit is cut by Qz/Ca/DOL veins with associated Po, Py, Cp, Sp, Gn mineralization.									SER	w	f		f	Cp	t	Gn	w	
																							Sp	w			
									Fo is strong, defined by slight colour variation in bands at 50 deg TCA.	FO	50																
			81.33	81.68	0.35				Coarse grained Qz, Ca, DOL vein with large patches of Po and associated Py and Cp. The Cp appears to overprint both the Po and the Py. A 1 cm wide euhedral dolomite crystal occurs within the vein. The contacts of the vein are very irregular and not well defined.	VN	n/a																
			84.00	84.22	0.22				A vuggy patch of Py and minor Po occur over this interval. The Py is fine grained and patchy to semi-massive while the Po occurs in vFG associated veinlet.	VT	55									40		ms					
			84.70	85.20	0.50				2 cm thick Qz/DOL vein with 0.5-1 cm patches of FG Py overprinted by weak fine grained 2 mm patches of Cp.	VN	15	90								m			Cp	w			
										FO	45																
			85.30	85.85	0.55	VOL			Dark brownish black weakly foliated VOL with FG disseminated Po throughout. The FO is weak at 60 deg TCA.	FO	60											w					
									<1 mm wide veinlets cause bleaching and cut oblique to FO at 20 and 40 deg TCA.	VT	20	90															
										VT	40	180															
			88.80	89.15	0.35				A zone of weak fine grained disseminated fair red Sp and galena.														Sp	f	Gn	w	
89.37	105.37	16.00				LST	MBL		Medium grey moderate to strongly marbleized LST with a strongly defined FO at 60 deg TCA. FG-MG pyrite patches occur disseminated throughout. A 10 cm wide MG-CG, Ca-DOL-Qz veinlet with patchy Py occurs within.									MBL	ms	w								
			95.50	95.60	0.10	LST	OX		A thin zone of moderately oxidized LST associated with strongly oxidized fractures.							m											
105.37	113.11	7.74				VOL	CHL		A combination of medium green and dark brown chlorite and biotite with a strong FO and weak calcite within very thin Ca veinlets and thicker bands.									CHL	ms									
																w		BIO	ms								

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
									The upper contact is marked by more intense marbleization. The lower contact is also marked by an increase in intensity marbleization.																		
									FO occurs at between 45-55 deg TCA, defined by <1 mm Ca veinlets. Ca bands parallel the FO and have a halo of brown VOL around them (on both sides) within the green VOL.	FO	50															x
										VT	15	190															
			106.64	106.80	0.16				A ~ 4 cm wide skarn-like Qz/Po/Py/Cp vein cuts the VOL at 30 deg TCA and 190 deg to FO. The vein has slightly irregular boundaries and contains semi-massive patches of Po with weak patches of Py and trace Cp.	VN	30	190								w		i	Cp	t			
			112.52	112.65	0.13				A skarn-like Qz/Ca/Py vein cuts the VOL at 30 deg TCA and 190 deg to FO. It contains moderately strong fine grained patchy Py and has a slightly pitted/vuggy texture.	VN	30	190								ms							
			112.84	112.89	0.05	FLT			Possible fault within the VOL. It contains up to 1 cm angular to subrounded clasts that are weakly matrix supported within a claylike calcareous matrix.																		
113.11	144.72	31.61				LST	MBL		Medium to light grey FG-MG, FOS, variably MBL altered LST with moderate FO. The fossils are weak in concentration overall and mainly consist of small crinoid stem fragments. MBL is fair overall but varies from weak to strong.									MBL	f								
									2-5 cm thick MG-CG Qz/Ca veins cut at 40 deg to CA.	VN	40		0.5														
			120.40	122.10	1.70				Weak oxidation occurs on fractured surfaces within this fairly rubbly interval.							w											
			134.62	137.34	2.72	LST	MBL		White to light grey intensely MBL altered LST with a very faint FO defined by slight banding at 40 deg TCA. The upper contact is very sharp at 40 deg to CA, while the lower contact is gradational over 10 cm.	FO	40							MBL	i								
			137.34	144.65	7.31	LST	MBL		Medium to light grey weakly foliated LST with a weak concentration of crinoid stem fragments and trace FG Py disseminated throughout.									MBL	m	t							
									FO is weak and at times disrupted at 45 deg to CA.	FO	45																
									Both the upper and lower contacts show gradational increases in marbleization, but the lCN is lithologically very sharp at 40 deg to CA.	lCN	40																

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
144.72	153.52	8.80				VOL			Medium bluish green CHL (?) rich VOL with a FG weakly spotted texture and thin <1-1 cm Qz rich bands and patches occurring weakly throughout. Weakly concentrated ~1 mm Ca spots are also disseminated throughout. Trace FG Po is disseminated throughout but is most concentrated at the upper contact. Pyrite mainly occurs as fine grained disseminated masses associated with the Po at the upper contact.										t		t						
			147.80	148.00	0.20				A FG to MG orange stained creamy white DOL / Qz/ Ca vein occurs at 30 degrees TCA and contains trace Py.	VN	30									t								
			151.49	153.52	2.03	VOL	BIO		Gradational increase from trace to semi-massive BIO rich VOL. Near the top of the interval it occurs as web to stringer like spots 1-5 mm in diameter. This gradationally transitions into massive medium to dark greying brown VOL. A very faint orientation of the spots occurs at 45 degrees TCA.	FO	45							BIO	s								
									The lCN in knife edge sharp at 50 degrees TC/	lCN	50																
153.52	172.32	18.80				LST	MBL		Medium to light grey strongly banded fairly to strongly marbleized LST. Varicoloured white to dark grey bands define the Fo at 60 degrees TCA.	FO	60							MBL	m								
			165.41	165.69	0.28	DOL	VN		DOL/ANK irregular VN, white to orange, with blebs of dark rusty brown (SID) and blebs or disseminated FG dull brassy Py in fair concentration.					s			w			f							
172.32	172.90	0.58				MBL			Milky white MBL with overprinted light brown and green grey layer, weakly defining FO. Broken surfaces show radiating fibrous crystals and last 10 cm have increased green colour and concentration due to tremolite.	FO	60											Tr	w			
172.90	184.63	11.73				VOL			Dark brown to dark blue grey VOL, variably amygdaloidal and magnetic. Strong CHL with local strong BIO and fair SER. Trace Py through interval. Local trace epidote. SER alteration at uCN and lCN gradation into MBL.	FO	60							CHL	s	t			Mg	t	Ep	t		
																			BIO	m							
																			SER	w							

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
184.63	195.61	10.98				MBL			Milky to light grey, clean MBL to strongly banded with dark grey stringers. Locally SIL. Very gradational lCN into MBL LST. Trace Po through interval, disseminated and FG. From 195.10 have FG bright orange alteration in stringer, non-calcareous.	FO	70					t		SIL	t			t					
			187.82	188.01	0.19	MBL			Light buff MBL with light green grey square to rhombohedral crystals < 0.5 cm with indistinct edges. Sharp uCN with milky MBL, with increased Po	uCN	60											t					
195.61	215.56	19.95				LST	MBL		Variably white to dark grey, trace to intense MBL LST, with trace to weak Po and local trace Py. Fossils locally visible, crinoids and honeycomb coral identifiable, some strongly overprinted by MBL and local intense SIL. FG black square and rhombohedral crystals disseminated in trace amounts locally in trace MBL zones (unaltered version of light green crystals found above?).	FO	60							MBL	s	t		t					
																									SIL	f			
			205.50	207.17	1.67	VT			Zone with both Py and Po rich seams < 2 cm wide. Three FG Po layers follow FO, and are sometimes associated with SER. Single Mg brassy Py layer cuts FO	VT	60	20						MBL	s	t		w					
			213.28	215.56	2.28	LST			Light grey LST with dark grey layers and vFG black crystals disseminated in light layers. Possibly VOL rich LST? Weak Po. Gradational lCN with MBL, VOL rich.													w					
215.56	226.64	11.08				MBL	VOL		Milky to dark brown, very dirty MBL with VOL rich interlayers, with SER and BIO alteration and trace Po associated. Locally intense Po and fair Cp. Qz/Ca VN and blebs cut or disrupt FO defined by VOL layers, have local talc tremolite. Very gradational CN.	FO	60							SER	w			t	Cp	t			
																									BIO	w			
			218.66	219.31	0.65	MX	VN		Large Qz/Ca VN with smaller VT and large rim of intense Po and fair Cp MX. Po vCG to FG, Cp FG. MX in MBL along rims and with VN. Po semi-massive. CN irregular.													i	Cp	f			

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
226.64	247.23	20.59				LST	MBL		Medium grey to milky white, weak to intense MBL LST, strong overall. LST VOL rich, with local light buff to dark brown SER and BIO altered layers and zones. Crinoid fossils locally visible, mostly overprinted. In less MBL zones, dark grey layers are preferentially disrupted by Ca lineations (dissolution texture?). Trace Po increases locally to weak in VOL rich zones. Brown to buff VOL zones associated with intense MBL.	FO	55							MBL	s			t						x
			234.65	235.02	0.37	VOL	BIO		Medium to dark brown intense BIO VOL zone in MBL LST, with weak CG Py and trace Po. Calcareous spots < 0.5 cm to cBX by Ca. Qz VT on ICN.									BIO	i	w		t						
			244.59	245.94	1.35	MBL	VOL		Light buff to medium brown with light grey, MBL with SER and BIO altered VOL, forming FO and cBX by MBL. Weak Po as CG to FG disseminations and layers. Trace FG Cp associated with VOL and Po.									SER	s			w	Cp	t				
																		BIO	w								
247.23	302.49	55.26				LST	MBL		Medium grey to light grey/ white variably MBL LST, moderate strong MBL overall. Fossils locally visible. Trace FG to MG Py and FG Po throughout. Local SIL blebs and zones < 10 cm. FG to MG square to rhombohedral elongate black crystals disseminated in weak amounts locally, trace overall; possibly tetrahedrite? FO defined by alternating light and medium grey layering, and local black bituminous layers. Thin layers and zones of buff to brown VOL rich LST (remains calcareous).	FO	70							MBL	ms			t						
302.49	307.59	5.10				MBL	VOL		Milky to dark brown MBL, rich in BIO and SER VOL layers and zones which defined FO. Po blebs < 0.5 cm wide, elongate on FO, locally fair, weak overall. Gradational uCN and sharp ICN.	FO	60							BIO	f			w						
																		SER	f								

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	Photo
307.59	317.84	10.25				VOL			Dark blue grey to brown, strong CHL, locally intense BIO VOL, lacking FO, with unoriented BIO and CHL patches < 0.5 cm Qz VT to VN with minor Ca at various orientations. Po blebs disseminated throughout in trace amounts, more concentrated near uCN and lCN. Near lCN have zones with FG white non-calcareous mineral, and Ca blebs < 1 cm.	uCN	30							BIO	s			t					
										lCN	65							CHL	s								
317.84	319.51	1.67				MBL			Light to medium grey MBL, with dark brown BIO layers defining FO. Qz/Ca VN and VT follow FO.	FO	70							BIO	f								
										VN			4														
319.51	321.49	1.98				VOL			Medium grey to dark brown grey FG calcareous volcaniclastic (or VOL rich LST?) with 20 cm zone of non-calcareous BIO VOL with gradational CN into intensely calcareous medium grey rock with vFG black MX disseminated in weak concentrations, and thin BIO/SER altered layers. Direction of strain evident from Ca blebs.	FO	80							BIO	m								
																		SER	w								
321.49	354.02	32.53				VOL	CHL		Dark blue grey intense CHL VOL, locally strong BIO, with light green epidote in FG spots disseminated through zones or patches associated with QZ VN to blebs. Through first meter have zones of dark blue grey and brown rounded spots < 0.5 cm in white Qz with blurred contacts; intense SIL. Remainder of interval has irregular Qz VT with epidote associated and trace MG bright brassy Py. Trace Po toward top of interval. Weak SIL locally throughout. Epidote decreases down interval, predominantly in thin VT after 336 m.								CHL	i	t		t	Ep	t			
																		BIO	m								
																		SIL	w								
			331.86	335.91	4.05	VOL	Mg		Interval dark blue grey variably magnetic due to Mg, with small epidote spots.														Mg	t	Ep	t	
			333.36	337.00	3.64	VOL			Trace Cp begins, associated with thin Qz VT and disseminated.														Cp	t			

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS							Photo
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
			340.40	342.98	2.58	VOL			Very dark blue and brown grey, variably magnetic interval, due to Mg in weak amounts in spots, disseminated, and irregular FO. Local grey and dark buff subrounded clasts < 0.5 cm wide, elongate on irregular FO. Magnetite within last meter disseminated and in Mg/Ep VT and blebs with slightly vuggy appearance.													Mg	w	Ep	t	
			353.59	354.02	0.43	VOL	CHL		Dark blue intensely CHL and intense SIL VOL, calcareous in 50 cm near lCN, magnetic. SIL locally has rounded chloritic patches in SIL matrix. Py weak, FG to MG, disseminated. Weak irregular FO defined by Qz, CHL, and fibrous light yellow (talc/tremolite?) layers. Trace Ep.									CHL	i	w			Mg	t	Ep	t	
																			SIL	i							
354.02	357.28	3.26				MBL	VOL		Milky white MBL with medium buff stringers defining FO with trace Py associated. VOL rich MBL, lCN grades into strong MBL LST.	FO	70									t							
										uCN	55																
357.28	361.31	4.03				LST	MBL		Medium grey strong MBL LST, FO, with calcareous blebs elongate on FO, no identifiable fossils. Most MBL near contacts. lCN has thin VOL rich layers in last 5 cm which are SIL and magnetic. Trace non-magnetic Po in interval.	FO	65							MBL	s			t						
										lCN	80																
361.31	367.79	6.48				VOL			Dark blue grey and dark red brown CHL and BIO VOL, intense SIL, with irregular layers of BIO, CHL, and SIL alteration. SIL forms matrix with small CHL spots. Trace to weak Po disseminated and in blebs < 2 cm and trace Cp associated. Locally magnetic, due to Po, or possibly Mg.									SIL	i			w	Cp	t			
																			BIO	s							
																			CHL	s							
367.79	368.51	0.72				MBL	VOL		Milky white to green buff MBL with SER VOL layers. Trace Po elongate on FO.	FO	65											t						
368.51	370.87	2.36				LST	MBL		Medium to light grey variably moderate to strong MBL on contacts, FO LST with trace Po and Py, and calcareous blebs elongate on FO.	FO	65							MBL	ms	t		t						

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			DETAILED DESCRIPTION	STRUCTURE				ALTERATION						MINERALS								PHOTO
																		Other					Other		Other		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture		Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Type	Intensity	Pyrite	Arsenopyrite	Pyrrhotite	Type	Intensity	Type	Intensity	
370.87	372.39	1.52				MBL	VOL		Milky to light brown and light blue MBL with chloritic and biotite altered VOL in thin and overprinted layers. Sharp lCN with CHL VOL , with whips of VOL being strained into MBL. Qz blebs and VN through interval.																		x
372.39	394.11	21.72				VOL			Dark blue grey FG VOL, predominantly unfoliated, locally weakly FO . Strong CHL, local moderate strong BIO, and local SIL with Qz blebs to VT. FO and sBX-like texture in small sections generally close to contacts, with BIO as matrix. Epidote in small patches or disseminated as vFG spots through < 2 m, commonly associated with Qz. Trace Py and Po.								CHL	s	t		t	Ep	t				
																		BIO	ms								
																		SIL	f								
394.11	438.00	43.89				LST	MBL		Medium grey to milky white weak MBL LST with VOL component which is most obvious as buff to brown SER and BIO layers in MBL, and is found as black FG layers and overprinted buff patches through LST. Irregular Qz/Ca blebs and VN through interval. ~ 1/4 of interval MBL, very gradational and interlayered. Trace Po through interval, disseminated. Local trace Py in VT.								MBL	w	t		t						
									438.00 m: E.O.H. - Hole ended because target depth was reached.																			

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: RauSC10-07

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
78.33	81.23	2.90	LST		2.90	100	I077281	78	<0.01	0.10	<5	0.78	
81.23	84.25	3.02	VOL		2.96	98	I077282	78	<0.01	0.27	2	2.24	
84.25	87.27	3.02	VOL		3.02	100	I077283	78	<0.01	2.05	27	158.50	
87.27	89.37	2.10	LST	MBL	2.08	99	I077284	78	<0.01	2.55	29	11.45	
89.37	92.00	2.63	LST	MBL	2.63	100	I077285	78	<0.01	0.69	14	1.00	
92.00	95.00	3.00	LST	MBL	3.00	100	I077286	78	<0.01	0.12	7	0.12	
95.00	98.00	3.00	LST	MBL	2.96	99	I077287	78	<0.01	0.35	10	0.57	
98.00	101.00	3.00	LST	MBL	3.00	100	I077288	78	<0.01	0.13	7	0.18	
101.00	103.00	2.00	LST	MBL	2.00	100	I077289	78	<0.01	0.12	16	0.25	
103.00	105.37	2.37	LST	MBL	2.24	95	I077290	78	<0.01	0.22	6	0.04	
105.37	108.00	2.63	VOL		2.63	100	I077291	78	<0.01	0.32	5	33.30	
108.00	111.00	3.00	VOL		3.00	100	I077292	79	<0.01	0.97	21	0.71	
111.00	113.11	2.11	VOL		2.11	100	I077294	79	<0.01	0.26	14	15.45	
113.11	116.00	2.89	LST	MBL	2.89	100	I077295	79	<0.01	0.05	7	0.55	
-	-	-	-	-	-	-	I077296	79	<0.01	0.01	<5	0.09	
116.00	118.80	2.80	LST		2.74	98	I077297	79	<0.01	0.06	10	0.35	
142.00	144.65	2.65	LST	MBL	2.65	100	I077298	79	<0.01	0.03	<5	0.07	
144.65	147.63	2.98	VOL		2.93	98	I077299	79	<0.01	0.03	4	0.26	
147.63	150.40	2.77	VOL		2.71	98	I077300	79	<0.01	0.02	3	0.24	
150.40	152.05	1.65	VOL		1.65	100	I077302	79	<0.01	0.01	0	0.20	
152.05	153.52	1.47	VOL		1.47	100	I077303	79	<0.01	0.04	1	0.30	
153.52	156.50	2.98	LST	MBL	2.96	99	I077304	79	<0.01	0.02	<5	0.13	
156.50	159.50	3.00	LST	MBL	3.00	100	I077305	79	0.01	<0.01	<5	0.03	
159.50	162.50	3.00	LST	MBL	3.00	100	I077306	79	<0.01	<0.01	5	0.06	
162.50	165.41	2.91	LST	MBL	2.91	100	I077308	79	<0.01	0.02	9	0.10	
165.41	168.40	2.99	LST	MBL	2.85	95	I077309	79	<0.01	0.08	74	0.27	
216.00	218.66	2.66	MBL	VOL	2.53	95	I077310	79	0.01	0.14	<5	0.83	
218.66	219.31	0.65	MX		0.65	100	I077311	79	0.02	2.53	134	19.95	
219.18	221.59	2.41	MBL	VOL	2.27	94	I077313	79	<0.01	0.06	5	0.71	
242.93	244.59	1.66	LST	MBL	1.64	99	I077314	79	<0.01	0.01	<5	0.45	
244.59	245.94	1.35	MBL	VOL	1.12	83	I077315	79	0.04	0.31	<5	281.00	
245.94	247.23	1.29	MBL	VOL	1.04	81	I077316	79	<0.01	0.02	<5	1.71	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
328.27	331.32	3.05	VOL		3.00	98	I077324	79	<0.01	0.05	<0.2	0.26	
331.32	334.37	3.05	VOL		3.00	98	I077325	79	0.01	0.03	<0.2	0.13	
334.37	337.41	3.04	VOL		2.97	98	I077327	79	<0.01	0.03	1	0.06	
337.41	340.40	2.99	VOL		2.95	99	I077328	79	<0.01	0.01	1	0.14	
340.40	342.98	2.58	VOL		2.56	99	I077329	79	0.01	0.02	<0.2	0.42	
342.98	346.00	3.02	VOL		2.98	99	I077330	79	<0.01	<0.01	0	0.07	
346.00	349.00	3.00	VOL		2.88	96	I077331	79	<0.01	<0.01	<0.2	0.09	
349.00	352.00	3.00	VOL		2.89	96	I077332	79	<0.01	<0.01	<0.2	0.09	
352.00	354.02	2.02	VOL		1.90	94	I077333	79	<0.01	0.08	6	0.39	
354.00	356.00	2.00	MBL		1.98	99	I077334	79	<0.01	0.01	<5	0.05	
356.00	359.00	3.00	LST		2.93	98	I077335	80	<0.01	0.04	12	0.20	
359.00	361.31	2.31	MBL		2.09	90	I077336	80	<0.01	0.03	10	0.10	
361.31	363.00	1.69	VOL		1.69	100	I077337	80	<0.01	0.22	0	0.38	
363.00	365.00	2.00	VOL		1.97	99	I077338	80	<0.01	0.15	1	0.37	
365.00	367.79	2.79	VOL		2.79	100	I077339	80	<0.01	0.27	3	0.60	
367.79	370.00	2.21	MBL		2.18	99	I077341	80	<0.01	0.02	17	0.15	
370.00	372.39	2.39	MBL		2.39	100	I077342	80	<0.01	0.01	6	0.06	
372.39	373.99	1.60	VOL		1.60	100	I077343	80	<0.01	0.12	0	0.27	
373.99	377.04	3.05	VOL		3.04	100	I077344	80	<0.01	0.09	0	0.11	
377.04	380.09	3.05	VOL		2.89	95	I077346	80	<0.01	0.08	<0.2	0.12	
380.09	383.13	3.04	VOL		3.02	99	I077347	80	<0.01	0.07	<0.2	0.14	
383.13	386.18	3.05	VOL		2.79	91	I077348	80	<0.01	0.10	0	0.13	
386.18	389.23	3.05	VOL		2.57	84	I077349	80	<0.01	0.09	1	0.10	
389.23	392.28	3.05	VOL		2.78	91	I077351	80	<0.01	0.05	<0.2	0.10	
392.28	394.11	1.83	VOL		1.82	99	I077352	80	<0.01	0.13	1	0.13	
394.11	397.00	2.89	MBL		2.81	97	I077353	80	<0.01	0.03	8	0.12	
-	-	-	-	-	-	-	I077293	79	0.41	1.66	5990	71.20	Standard RSS-5
-	-	-	-	-	-	-	I077301	79	0.01	0.01	<5	0.03	Blank (NQ)
-	-	-	-	-	-	-	I077307	79	1.99	0.25	27100	260.00	Standard RSS-6
-	-	-	-	-	-	-	I077312	79	<0.01	0.01	<5	0.10	Blank (NQ)
331.32	334.37	3.05	VOL		3.00	98	I077326	79	<0.01	0.02	1	0.17	Duplicate
-	-	-	-	-	-	-	I077340	80	0.46	1.68	6220	70.50	Standard RSS-5

SAMPLE LOG

From (m)	To (m)	Interval (m)	Unit	Modifier	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Comments
373.99	377.04	3.05	VOL		3.04	100	I077345	80	<0.01	0.09	1	0.09	Duplicate
-	-	-	-	-	-	-	I077350	80	<0.01	<0.01	11	0.07	Blank (NQ)

GEOTECHNICAL LOG

HOLE: RauSC10-07

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
0.00	5.18	5.18	3.89	75	3.70	71	ms	fr		
5.18	8.23	3.05	3.05	100	3.05	100	ms	fr		
8.23	11.28	3.05	3.03	99	2.90	95	ms	fr		
11.28	14.33	3.05	3.03	99	2.74	90	s	fr		
14.33	17.37	3.04	3.04	100	3.04	100	ms	fr		
17.37	20.42	3.05	3.05	100	2.93	96	ms	fr		
20.42	23.47	3.05	2.96	97	2.96	97	ms	fr		
23.47	26.52	3.05	3.05	100	2.92	96	ms	fr		
26.52	29.57	3.05	3.02	99	2.64	87	ms	fr		
29.57	32.61	3.04	3.02	99	2.79	92	ms	fr		
32.61	35.66	3.05	3.05	100	3.05	100	ms	fr		
35.66	38.71	3.05	3.05	100	2.84	93	ms	fr		
38.71	41.76	3.05	3.05	100	3.02	99	ms	fr		
41.76	44.81	3.05	3.05	100	2.98	98	ms	fr		
44.81	47.85	3.04	3.04	100	2.95	97	ms	fr		
47.85	50.90	3.05	3.05	100	2.70	89	ms	fr		
50.90	53.95	3.05	3.00	98	1.81	59	ms	sw		
53.95	57.00	3.05	2.79	91	1.09	36	w	sw		
57.00	60.05	3.05	2.96	97	0.52	17	ms	sw		
60.05	63.09	3.04	2.98	98	1.47	48	ms	sw		
63.09	66.14	3.05	3.00	98	2.64	87	ms	sw		
66.14	69.18	3.04	2.92	96	1.00	33	ms	fr		
69.18	72.24	3.06	2.88	94	2.11	69	ms	fr		
72.24	75.29	3.05	3.04	100	2.34	77	ms	sw		
75.29	78.33	3.04	3.04	100	2.13	70	ms	sw		
78.33	81.38	3.05	2.95	97	1.56	51	ms	sw		
81.38	84.43	3.05	2.85	93	1.85	61	ms	fr		
84.43	87.48	3.05	3.05	100	1.93	63	ms	fr		
87.48	90.53	3.05	2.94	96	2.31	76	ms	sw		
90.53	93.57	3.04	3.02	99	1.80	59	ms	sw		
93.57	96.62	3.05	2.96	97	1.89	62	ms	sw		
96.62	99.67	3.05	2.99	98	2.48	81	ms	sw		
99.67	102.72	3.05	2.95	97	1.39	46	ms	sw		
102.72	105.77	3.05	2.95	97	1.75	57	ms	sw		
105.77	108.81	3.04	3.00	99	1.55	51	ms	sw		
108.81	111.86	3.05	3.02	99	1.25	41	ms	sw		
111.86	114.91	3.05	3.03	99	2.06	68	ms	sw		
114.91	117.96	3.05	2.99	98	2.00	66	ms	sw		
117.96	121.01	3.05	2.39	78	0.84	28	ms	sw		
121.01	124.06	3.05	2.76	90	0.48	16	ms	sw		
124.06	127.10	3.04	2.95	97	0.85	28	ms	sw		
127.10	130.15	3.05	2.91	95	1.68	55	ms	sw		
130.15	133.20	3.05	2.87	94	1.68	55	ms	fr		
133.20	136.25	3.05	2.99	98	2.04	67	ms	fr		
136.25	139.29	3.04	3.03	100	2.25	74	s	sw		
139.29	142.34	3.05	3.01	99	2.56	84	s	sw		
142.34	145.39	3.05	2.98	98	2.19	72	s	sw		
145.39	148.44	3.05	2.95	97	1.39	46	s	sw		
148.44	151.49	3.05	2.98	98	1.10	36	ms	sw		
151.49	154.53	3.04	2.94	97	2.15	71	ms	sw		
154.53	157.58	3.05	2.97	97	2.28	75	ms	fr		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
157.58	160.63	3.05	2.98	98	2.69	88	ms	fr		
160.63	163.68	3.05	3.05	100	2.71	89	ms	fr		
163.68	166.73	3.05	2.98	98	2.23	73	ms	fr		
166.73	169.78	3.05	3.02	99	2.50	82	ms	fr		
169.78	172.82	3.04	3.05	100	2.73	90	s	fr		
172.82	175.87	3.05	3.05	100	2.74	90	ms	fr		
175.87	178.92	3.05	2.87	94	2.70	89	ms	fr		
178.92	181.97	3.05	2.98	98	2.38	78	ms	fr		
181.97	185.01	3.04	3.02	99	2.79	92	ms	fr		
185.01	188.06	3.05	3.02	99	2.77	91	ms	fr		
188.06	191.11	3.05	3.00	98	2.83	93	ms	fr		
191.11	194.16	3.05	2.98	98	2.74	90	ms	fr		
194.16	197.21	3.05	2.96	97	2.40	79	ms	fr		
197.21	200.25	3.04	2.38	78	2.38	78	ms	fr		
200.25	203.30	3.05	2.46	81	2.46	81	ms	fr		
203.30	206.35	3.05	2.58	85	2.58	85	ms	fr		
206.35	209.40	3.05	2.68	88	2.68	88	ms	fr		
209.40	212.44	3.04	2.69	88	2.69	88	ms	fr		
212.44	215.49	3.05	2.56	84	2.56	84	ms	fr		
215.49	218.54	3.05	2.16	71	2.61	86	ms	fr		
218.54	221.59	3.05	2.90	95	2.90	95	ms	fr		
221.59	224.64	3.05	2.90	95	2.90	95	ms	fr		
224.64	227.69	3.05	2.41	79	2.41	79	ms	fr		
227.69	230.73	3.04	2.59	85	2.59	85	ms	fr		
230.73	233.78	3.05	2.90	95	2.90	95	ms	fr		
233.78	236.83	3.05	2.27	74	2.27	74	ms	fr		
236.83	239.88	3.05	2.30	75	2.30	75	ms	fr		
239.88	242.93	3.05	2.47	81	2.47	81	ms	fr		
242.93	245.97	3.04	1.41	46	1.41	46	ms	fr		
245.97	249.02	3.05	2.14	70	2.14	70	ms	fr		
249.02	252.07	3.05	2.71	89	2.71	89	ms	fr		
252.07	255.12	3.05	2.92	96	2.92	96	s	fr		
255.12	258.17	3.05	2.73	90	2.73	90	s	fr		
258.17	261.21	3.04	3.01	99	3.01	99	s	fr		
261.21	264.26	3.05	2.64	87	2.64	87	s	fr		
264.26	267.31	3.05	2.93	96	2.93	96	s	fr		
267.31	270.36	3.05	2.72	89	2.72	89	s	fr		
270.36	273.41	3.05	2.61	86	2.61	86	s	fr		
273.41	276.45	3.04	2.68	88	2.68	88	s	fr		
276.45	279.50	3.05	2.98	98	2.75	90	s	fr		
279.50	282.55	3.05	3.05	100	3.05	100	s	fr		
282.55	285.60	3.05	2.92	96	2.72	89	s	fr		
285.60	288.65	3.05	3.00	98	3.00	98	s	fr		
288.65	291.69	3.04	3.04	100	3.04	100	s	fr		
291.69	294.74	3.05	3.00	98	3.00	98	s	fr		
294.74	297.79	3.05	2.98	98	2.92	96	s	fr		
297.79	300.84	3.05	3.03	99	2.85	93	s	fr		
300.84	303.89	3.05	3.05	100	3.05	100	s	fr		
303.89	306.93	3.04	2.97	98	2.97	98	s	fr		
306.93	309.98	3.05	3.04	100	3.04	100	s	fr		
309.98	313.03	3.05	3.00	98	2.39	78	s	fr		
313.03	316.08	3.05	2.94	96	2.81	92	s	fr		
316.08	319.13	3.05	3.03	99	2.70	89	s	fr		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Colour	Comments
319.13	322.17	3.04	2.71	89	2.56	84	s	fr		
322.17	325.22	3.05	3.05	100	2.12	70	s	fr		
325.22	328.27	3.05	3.05	100	2.61	86	s	fr		
328.27	331.32	3.05	3.00	98	3.00	98	s	fr		
331.32	334.37	3.05	3.00	98	3.00	98	s	fr		
334.37	337.41	3.04	2.97	98	2.61	86	s	fr		
337.41	340.46	3.05	3.01	99	2.87	94	s	fr		
340.46	343.51	3.05	3.05	100	2.54	83	s	fr		
343.51	346.56	3.05	2.98	98	2.42	79	s	fr		
346.56	349.61	3.05	2.99	98	2.02	66	s	fr		
349.61	352.65	3.04	2.98	98	2.25	74	s	fr		
352.65	355.70	3.05	3.02	99	2.72	89	s	fr		
355.70	358.75	3.05	3.02	99	3.02	99	s	fr		
358.75	361.80	3.05	2.83	93	2.78	91	s	fr		
361.80	364.85	3.05	2.98	98	2.98	98	s	fr		
364.85	367.89	3.04	3.04	100	2.76	91	s	fr		
367.89	370.94	3.05	3.05	100	3.05	100	s	fr		
370.94	373.99	3.05	3.05	100	3.05	100	s	fr		
373.99	377.04	3.05	3.04	100	3.04	100	s	fr		
377.04	380.09	3.05	2.99	98	2.89	95	s	fr		
380.09	383.13	3.04	3.02	99	3.02	99	s	fr		
383.13	386.19	3.06	3.06	100	2.79	91	s	fr		
386.19	389.23	3.04	2.98	98	2.57	85	s	fr		
389.23	392.28	3.05	2.99	98	2.78	91	s	fr		
392.28	395.33	3.05	3.00	98	2.84	93	s	fr		
395.33	398.37	3.04	2.99	98	2.99	98	s	fr		
398.37	401.42	3.05	2.97	97	2.95	97	s	fr		
401.42	404.47	3.05	2.96	97	2.93	96	s	fr		
404.47	407.52	3.05	3.04	100	2.95	97	s	fr		
407.52	410.57	3.05	3.05	100	2.90	95	s	fr		
410.57	413.61	3.04	3.01	99	3.01	99	s	fr		
413.61	416.66	3.05	2.99	98	2.99	98	s	fr		
416.66	419.71	3.05	3.05	100	3.05	100	s	fr		
419.71	422.76	3.05	3.02	99	2.85	93	s	fr		
422.76	425.81	3.05	3.04	100	2.87	94	s	fr		
425.81	428.85	3.04	3.00	99	2.72	89	s	fr		
428.85	431.90	3.05	3.01	99	2.89	95	s	fr		
431.90	434.95	3.05	3.02	99	2.80	92	s	fr		
434.95	438.00	3.05	3.02	99	2.67	88	s	fr		E.O.H.

MAGNETIC SUSCEPTIBILITY LOG

HOLE: RauSC10-07

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00				
2.00	LST		3.76	
3.00	LST		0.00	
4.00	LST		0.18	
5.00	LST		0.93	
6.00	LST		0.14	
7.00	LST		0.00	
8.00	LST		0.62	
9.00	LST		0.21	
10.00	LST		0.58	
11.00	LST		0.23	
12.00	LST		0.16	
13.00	LST		0.93	
14.00	LST		0.00	
15.00	LST		0.00	
16.00	LST		0.00	
17.00	LST		0.95	
18.00	LST		1.28	
19.00	LST		1.68	
20.00	LST		0.60	
21.00	LST		0.76	
22.00	LST		0.21	
23.00	LST		0.25	
24.00	LST		0.78	
25.00	LST		0.25	
26.00	LST		0.00	
27.00	LST		2.45	
28.00	LST		0.73	
29.00	LST		2.32	
30.00	LST		1.70	
31.00	LST		0.69	
32.00	LST		0.62	
33.00	LST		0.00	
34.00	LST		0.34	
35.00	LST		0.12	
36.00	LST		0.69	
37.00	LST		0.54	
38.00	LST		0.25	
39.00	LST		0.89	
40.00	LST		0.58	
41.00	LST		0.00	
42.00	LST		2.83	
43.00	LST		0.00	
44.00	LST		0.62	
45.00	LST		0.53	
46.00	LST		1.00	
47.00	LST		1.48	
48.00	LST		2.42	
49.00	LST		0.00	
50.00	LST		2.10	
51.00	LST		0.00	
52.00	LST		0.09	
53.00	LST		1.53	
54.00	LST		0.00	
55.00	LST		1.29	
56.00	LST		0.38	
57.00	LST		0.56	
58.00	LST		1.13	
59.00	LST		0.00	
60.00	LST		0.20	
61.00	LST		0.00	
62.00	LST		0.10	
63.00	LST		0.58	
64.00	LST		0.00	
65.00	LST		2.56	
66.00	LST		0.71	
67.00	LST		2.36	
68.00	LST		2.15	
69.00	LST		0.00	
70.00	LST		3.20	
71.00	LST		0.65	
72.00	LST		0.43	
73.00	LST		2.19	
74.00	LST		0.79	
75.00	LST		1.11	
76.00	LST		6.79	
77.00	LST		0.67	
78.00	LST		0.95	
79.00	LST		5.91	
80.00	LST		4.62	
81.00	LST		5.54	
82.00	VOL		2.96	
83.00	VOL		27.20	
84.00	VOL		11.50	
85.00	VOL		4.57	
86.00	VOL		7.99	
87.00	VOL		0.00	
88.00	VOL		7.22	
89.00	VOL		7.55	
90.00	LST	VOL	5.69	
91.00	LST	VOL	0.00	
92.00	LST	VOL	1.75	
93.00	LST	VOL	1.93	
94.00	LST	VOL	1.15	
95.00	LST	VOL	0.05	
96.00	LST	VOL	1.64	
97.00	LST	VOL	2.28	
98.00	LST	VOL	5.83	
99.00	LST	VOL	0.34	
100.00	LST	VOL	0.00	
101.00	LST	VOL	2.92	
102.00	LST	VOL	4.26	
103.00	LST	VOL	1.57	
104.00	LST	VOL	0.54	
105.00	LST	VOL	1.13	
106.00	LST	VOL	3.56	
107.00	LST	VOL	11.00	
108.00	LST	VOL	2.74	
109.00	LST	VOL	1.66	
110.00	LST	VOL	2.28	
111.00	LST	VOL	0.12	
112.00	LST	VOL	0.95	
113.00	LST	VOL	0.29	
114.00	LST	VOL	2.76	
115.00	LST	VOL	3.44	
116.00	LST	VOL	0.80	
117.00	LST	VOL	0.62	
118.00	LST	VOL	3.51	
119.00	LST	VOL	0.00	
120.00	LST	VOL	2.48	
121.00	LST	VOL	1.15	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
122.00	LST	VOL	1.00	
123.00	LST	VOL	2.52	
124.00	LST	VOL	2.19	
125.00	LST	VOL	2.37	
126.00	LST	VOL	0.00	
127.00	LST	VOL	0.20	
128.00	LST	VOL	0.07	
129.00	LST	VOL	1.68	
130.00	LST	VOL	3.82	
131.00	LST	VOL	0.49	
132.00	LST	VOL	0.98	
133.00	LST	VOL	1.93	
134.00	LST	VOL	0.00	
135.00	LST	VOL	1.68	
136.00	LST	VOL	0.76	
137.00	LST	VOL	0.00	
138.00	LST	VOL	0.62	
139.00	LST	VOL	0.00	
140.00	LST	VOL	4.26	
141.00	LST	VOL	0.00	
142.00	LST	VOL	1.90	
143.00	LST	VOL	1.37	
144.00	LST	VOL	0.00	
145.00	LST	VOL	0.13	
146.00	LST	VOL	2.03	
147.00	LST	VOL	2.61	
148.00	LST	VOL	3.95	
149.00	LST	VOL	0.32	
150.00	LST	VOL	4.19	
151.00	LST	VOL	0.07	
152.00	LST	VOL	1.29	
153.00	LST	VOL	4.59	
154.00	LST	VOL	1.53	
155.00	LST	VOL	2.69	
156.00	LST	VOL	2.61	
157.00	LST	VOL	0.00	
158.00	LST	VOL	0.12	
159.00	LST	VOL	0.73	
160.00	LST	VOL	4.59	
161.00	LST	VOL	3.93	
162.00	LST	VOL	3.76	
163.00	LST	VOL	4.00	
164.00	LST	VOL	0.07	
165.00	LST	VOL	0.89	
166.00	LST	VOL	2.52	
167.00	LST	VOL	0.00	
168.00	LST	VOL	1.18	
169.00	LST	VOL	2.48	
170.00	LST	VOL	1.77	
171.00	LST	VOL	1.50	
172.00	LST	VOL	0.00	
173.00	LST	VOL	2.15	
174.00	LST	VOL	0.05	
175.00	LST	VOL	2.79	
176.00	LST	VOL	1.72	
177.00	LST	VOL	1.29	
178.00	LST	VOL	1.28	
179.00	LST	VOL	2.25	
180.00	LST	VOL	1.02	
181.00	LST	VOL	75.30	
182.00	LST	VOL	1.40	
183.00	LST	VOL	49.70	
184.00	LST	VOL	1.17	
185.00	LST	VOL	0.40	
186.00	LST	VOL	0.45	
187.00	LST	VOL	0.98	
188.00	LST	VOL	0.03	
189.00	LST	VOL	1.95	
190.00	LST	VOL	0.58	
191.00	LST	VOL	0.00	
192.00	LST	VOL	0.00	
193.00	LST	VOL	1.61	
194.00	LST	VOL	0.00	
195.00	LST	VOL	0.31	
196.00	LST	VOL	0.69	
197.00	LST	VOL	0.96	
198.00	LST	VOL	0.51	
199.00	LST	VOL	1.46	
200.00	LST	VOL	0.00	
201.00	LST	VOL	1.53	
202.00	LST	VOL	2.01	
203.00	LST	VOL	0.00	
204.00	LST	VOL	2.37	
205.00	LST	VOL	0.00	
206.00	LST	VOL	0.51	
207.00	LST	VOL	1.90	
208.00	LST	VOL	2.54	
209.00	LST	VOL	0.00	
210.00	LST	VOL	1.24	
211.00	LST	VOL	1.81	
212.00	LST	VOL	2.58	
213.00	LST	VOL	0.12	
214.00	LST	VOL	3.29	
215.00	LST	VOL	0.07	
216.00	LST	VOL	0.00	
217.00	LST	VOL	1.79	
218.00	LST	VOL	1.61	
219.00	LST	VOL	5.78	
220.00	LST	VOL	0.42	
221.00	LST	VOL	4.30	
222.00	LST	VOL	0.31	
223.00	LST	VOL	1.00	
224.00	LST	VOL	2.03	
225.00	LST	VOL	1.51	
226.00	LST	VOL	4.08	
227.00	LST	VOL	1.13	
228.00	LST	VOL	3.84	
229.00	LST	VOL	1.04	
230.00	LST	VOL	1.20	
231.00	LST	VOL	1.90	
232.00	LST	VOL	0.00	
233.00	LST	VOL	2.43	
234.00	LST	VOL	0.42	
235.00	LST	VOL	4.77	
236.00	LST	VOL	0.51	
237.00	LST	VOL	1.29	
238.00	LST	VOL	1.92	
239.00	LST	VOL	0.00	
240.00	LST	VOL	23.50	
241.00	LST	VOL	2.08	
242.00	LST	VOL	0.00	
243.00	LST	VOL	1.42	
244.00	LST	VOL	1.09	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
245.00	LST	VOL	10.70	
246.00	LST	VOL	0.00	
247.00	LST	VOL	0.00	
248.00	LST	VOL	0.87	
249.00	LST	VOL	0.07	
250.00	LST	VOL	0.93	
251.00	LST	VOL	0.00	
252.00	LST	VOL	0.20	
253.00	LST	VOL	2.47	
254.00	LST	VOL	2.39	
255.00	LST	VOL	0.31	
256.00	LST	VOL	2.96	
257.00	LST	VOL	0.56	
258.00	LST	VOL	0.80	
259.00	LST	VOL	1.24	
260.00	LST	VOL	0.54	
261.00	LST	VOL	11.90	
262.00	LST	VOL	0.62	
263.00	LST	VOL	3.11	
264.00	LST	VOL	3.40	
265.00	LST	VOL	0.54	
266.00	LST	VOL	1.18	
267.00	LST	VOL	0.75	
268.00	LST	VOL	1.06	
269.00	LST	VOL	1.37	
270.00	LST	VOL	2.52	
271.00	LST	VOL	1.59	
272.00	LST	VOL	5.25	
273.00	LST	VOL	1.93	
274.00	LST	VOL	1.90	
275.00	LST	VOL	0.07	
276.00	LST	VOL	2.48	
277.00	LST	VOL	1.88	
278.00	LST	VOL	0.00	
279.00	LST	VOL	0.38	
280.00	LST	VOL	1.29	
281.00	LST	VOL	0.29	
282.00	LST	VOL	2.70	
283.00	LST	VOL	0.25	
284.00	LST	VOL	1.31	
285.00	LST	VOL	1.24	
286.00	LST	VOL	1.42	
287.00	LST	VOL	1.70	
288.00	LST	VOL	1.64	
289.00	LST	VOL	0.78	
290.00	LST	VOL	0.86	
291.00	LST	VOL	1.22	
292.00	LST	VOL	0.40	
293.00	LST	VOL	3.33	
294.00	LST	VOL	0.64	
295.00	LST	VOL	1.18	
296.00	LST	VOL	1.73	
297.00	LST	VOL	0.29	
298.00	LST	VOL	1.81	
299.00	LST	VOL	0.98	
300.00	LST	VOL	0.00	
301.00	LST	VOL	1.53	
302.00	LST	VOL	2.21	
303.00	LST	VOL	0.53	
304.00	LST	VOL	0.43	
305.00	LST	VOL	0.43	
306.00	LST	VOL	1.48	
307.00	LST	VOL	1.49	
308.00	VOL	LST	9.86	
309.00	VOL	LST	1.13	
310.00	VOL	LST	2.37	
311.00	VOL	LST	1.39	
312.00	VOL	LST	1.53	
313.00	VOL	LST	0.84	
314.00	VOL	LST	1.28	
315.00	VOL	LST	1.68	
316.00	VOL	LST	0.00	
317.00	VOL	LST	1.48	
318.00	VOL	LST	0.00	
319.00	VOL	LST	0.91	
320.00	VOL	LST	0.53	
321.00	VOL	LST	0.00	
322.00	VOL	LST	1.29	
323.00	VOL	LST	1.40	
324.00	VOL	LST	2.45	
325.00	VOL	LST	2.70	
326.00	VOL	LST	3.80	
327.00	VOL	LST	1.90	
328.00	VOL	LST	1.88	
329.00	VOL	LST	0.53	
330.00	VOL	LST	1.86	
331.00	VOL	LST	0.38	
332.00	VOL	LST	10.60	
333.00	VOL	LST	0.91	
334.00	VOL	LST	60.40	
335.00	VOL	LST	14.90	
336.00	VOL	LST	1.31	
337.00	VOL	LST	5.15	
338.00	VOL	LST	1.02	
339.00	VOL	LST	9.79	
340.00	VOL	LST	4.55	
341.00	VOL	LST	27.50	
342.00	VOL	LST	7.04	
343.00	VOL	LST	8.56	
344.00	VOL	LST	3.67	
345.00	VOL	LST	2.79	
346.00	VOL	LST	25.30	
347.00	VOL	LST	4.64	
348.00	VOL	LST	3.09	
349.00	VOL	LST	1.50	
350.00	VOL	LST	0.87	
351.00	VOL	LST	3.58	
352.00	VOL	LST	0.07	
353.00	VOL	LST	12.70	
354.00	VOL	LST	75.20	
355.00	VOL	LST	0.20	
356.00	VOL	LST		
357.00	VOL	LST		
358.00	VOL	LST		
359.00	VOL	LST		
360.00	VOL	LST		
361.00	VOL	LST		
362.00	VOL	LST		
363.00	VOL	LST		
364.00	VOL	LST		
365.00	VOL	LST		
366.00	VOL	LST		
367.00	VOL	LST		

0.00	1.30	1.30	OVB	
1.30	81.23	79.93	LST	Fossilzed LST with local intense MBL.
81.23	89.37	8.14	VOL	Weak SER.
89.37	307.59	218.22	LST	weak MBL to MBL, with VOL interzones.
307.59	394.11	86.52	VOL	CHL, BIO, and SER, with MBL and LST zo
394.11	438.00	43.89	LST	Weak MBL.
438.00	E.O.H.			

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
368.00	VOL	LST		
369.00	VOL	LST		
370.00	VOL	LST		
371.00	VOL	LST		
372.00	VOL	LST		
373.00	VOL	LST		
374.00	VOL	LST		
375.00	VOL	LST		
376.00	VOL	LST		
377.00	VOL	LST		
378.00	VOL	LST		
379.00	VOL	LST		
380.00	VOL	LST		
381.00	VOL	LST		
382.00	VOL	LST		
383.00	VOL	LST		
384.00	VOL	LST		
385.00	VOL	LST		
386.00	VOL	LST		
387.00	VOL	LST		
388.00	VOL	LST		
389.00	VOL	LST		
390.00	VOL	LST		
391.00	VOL	LST		
392.00	VOL	LST		
393.00	VOL	LST		
394.00	VOL	LST		
395.00	LST	MBL		
396.00	LST	MBL		
397.00	LST	MBL		
398.00	LST	MBL		
399.00	LST	MBL		
400.00	LST	MBL		
401.00	LST	MBL		
402.00	LST	MBL		
403.00	LST	MBL		
404.00	LST	MBL		
405.00	LST	MBL		
406.00	LST	MBL		
407.00	LST	MBL		
408.00	LST	MBL		
409.00	LST	MBL		
410.00	LST	MBL		
411.00	LST	MBL		
412.00	LST	MBL		
413.00	LST	MBL		
414.00	LST	MBL		
415.00	LST	MBL		
416.00	LST	MBL		
417.00	LST	MBL		
418.00	LST	MBL	0.58	
419.00	LST	MBL	0.00	
420.00	LST	MBL	0.00	
421.00	LST	MBL	0.00	
422.00	LST	MBL	0.43	
423.00	LST	MBL	0.00	
424.00	LST	MBL	0.00	
425.00	LST	MBL	1.02	
426.00	LST	MBL	0.21	
427.00	LST	MBL	0.38	
428.00	LST	MBL	0.65	
429.00	LST	MBL	0.34	
430.00	LST	MBL	1.35	
431.00	LST	MBL	0.65	
432.00	LST	MBL	0.00	
433.00	LST	MBL	5.28	
434.00	LST	MBL	0.45	
435.00	LST	MBL	0.00	
436.00	LST	MBL	0.18	
437.00	LST	MBL	0.00	
438.00	LST	MBL	0.14	E.O.H.

DENSITY LOG

HOLE: RauSC10-07

Depth (m)	Unit	Modifier	Texture	MINERALS				Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
				Py %	As %	Other	%							
11.35	LST	FOS							14.9	5.0	806.3	511.4	2.72	2.73
20.44	LST	MBL						fossiliferus	14.9	5.0	808.8	512.4	2.73	2.73
34.15	LST	MBL						increased marble	15.0	5.0	813.2	514.7	2.72	2.72
49.85	MBL	VOL						mixed marble/volcanic	15.0	5.0	822.6	538.8	2.76	2.90
63.85	LST	MBL							15.0	5.0	815.2	514.9	2.73	2.71
85.35	VOL	FO						brown	14.7	5.0	836.7	544.3	2.86	2.86
98.60	MBL	LST		t	t				14.8	5.0	809.2	518.1	2.75	2.78
108.20	VOL	FO						brown	14.7	5.0	864.0	573.6	2.95	2.98
129.60	LST	MBL							15.0	5.0	813.1	513.9	2.72	2.72
180.06	LST	MBL							15.0	5.0	799.1	504.5	2.68	2.71
182.79	VOL	MBL				Po	t		15.0	5.0	1037.7	685.4	3.48	2.95
218.57	MX	MBL		Cp	w	Po	m		15.0	5.0	962.0	665.4	3.22	3.24
221.22	VOL	CN						Vol/MBL	15.0	5.0	828.2	527.1	2.77	2.75
280.62	LST	MBL							15.0	5.0	828.6	523.5	2.78	2.72
303.54	MBL								15.1	5.0	823.8	521.7	2.74	2.73
320.49	VOL								14.8	5.0	825.3	528.2	2.80	2.78
330.40	VOL								15.2	5.0	903.6	598.3	2.99	2.96

BOX LOG

HOLE: RauSC10-07

BOX	FROM (m)	TO (m)
1	1.30	6.85
2	6.85	12.48
3	12.48	18.28
4	18.28	24.18
5	24.18	29.79
6	29.79	35.30
7	35.30	40.95
8	40.95	46.60
9	46.60	52.04
10	52.04	57.55
11	57.55	63.09
12	63.09	68.52
13	68.52	74.06
14	74.06	79.62
15	79.62	85.20
16	85.20	90.86
17	90.86	96.43
18	96.43	101.99
19	101.99	107.76
20	107.76	113.35
21	113.35	118.80
22	118.80	124.52
23	124.52	130.15
24	130.15	135.42
25	135.42	141.15
26	141.15	146.82
27	146.82	152.55
28	152.55	158.27
29	158.27	164.16
30	164.16	169.90
31	169.90	175.57
32	175.57	181.01
33	181.01	186.72
34	186.72	192.34
35	192.34	198.09
36	198.09	203.69
37	203.69	209.28
38	209.28	214.95
39	214.95	220.61
40	220.61	226.40
41	226.40	232.02
42	232.02	237.63
43	237.63	243.44
44	243.44	249.02
45	249.02	254.97

BOX	FROM (m)	TO (m)
46	254.97	260.85
47	260.85	266.71
48	266.71	272.55
49	272.55	278.34
50	278.34	283.94
51	283.94	289.24
52	289.24	294.74
53	294.74	300.28
54	300.28	305.55
55	305.55	310.79
56	310.79	316.14
57	316.14	321.56
58	321.56	327.15
59	327.15	332.32
60	332.32	338.07
61	338.07	343.74
62	343.74	349.57
63	349.57	355.26
64	355.26	361.22
65	361.22	367.05
66	367.05	367.89
67	367.89	373.32
68	373.32	378.85
69	378.85	384.04
70	384.04	389.43
71	389.43	394.99
72	394.99	400.39
73	400.39	406.02
74	406.02	411.50
75	411.50	417.11
76	417.11	422.64
77	422.64	428.06
78	428.06	433.67
79	433.67	438.30
438.00 m - E.O.H.		

APPENDIX IV

QAQC RESULTS

OXIDE STANDARDS

Standard:		**ROS-1**	
Consensus:	**0.41 g/t**		
±2δ:	**0.06 g/t**		
SAMPLE	**Au (init.)**	**Au (rerun)**	
I074689	0.38		
I074912	0.40		
I075153	0.37		
I075314	0.41		
I075423	0.40		
I075700	0.39		
I075591	0.38		
I075912	0.38		
I075848	0.36		
I075991	0.39		
I076176	0.37		
I076261	0.34		
I076583	0.39	0.40	
I076487	0.36		
I076604	0.37		
I076665	0.40		
I076706	0.39		
I076742	0.38		
I076797	0.38		
J980660	0.37		
I076958	0.37		
I076976	0.39		
J980589	0.40		
J980750	0.39		
J980772	0.38		
J980714	0.37		
I077118	0.39	0.39	
I077132	0.41		
I077015	0.40		
I077215	0.39		
I077323	0.38		
I077532	0.40	0.34	
I077402	0.39		
I077629	0.40		
I077772	0.41		
I078032	0.33	0.39	Batch 99
I077909	0.42		
I078096	0.40		
I078061	0.39		
I078176	0.38		

Standard:		**ROS-2**
Consensus:	**1.46 g/t**	
±2δ:	**0.18 g/t**	
SAMPLE	**Au (init.)**	**Au (rerun)**
I074725	1.38	
I074748	1.31	
I074951	1.37	
I075140	1.36	
I075257	1.37	
I075340	1.43	
I075326	1.42	
I075412	1.48	
I075445	1.27	
I075455	1.38	
I075560	1.44	
I075489	1.38	
I076023	1.35	
I076273	1.37	
I076143	1.36	
I076528	1.37	
I076632	1.37	
I076732	1.37	
I076794	1.40	
I076898	1.42	
I076973	1.40	
I076913	1.42	
I076989	1.42	
I077076	1.41	1.41
J980792	1.42	
I077237	1.47	
I077459	1.46	
I077674	1.41	
I077682	1.35	
I077379	1.33	
I077603	1.46	
I077970	1.49	
I078019	1.46	
I078158	1.41	

Standard:		**ROS-3**	
Consensus:	**3.02 g/t**		
±2δ:	**0.42 g/t**		
SAMPLE	**Au (init.)**	**Au (rerun)**	
J980746	1.92		CH Batch 7
J980783	2.93		
I077162	2.69		
I077546	2.31	3.06	Batch 85
I077713	2.98		
I077809	3.14	2.99	
I077921	3.02		
I077964	2.98		
I078003	2.99		
I078046	2.67	3.07	Batch 99
I077893	3.11		
I078145	3.00		
I078113	3.18		
I078243	2.95		
I078215	3.01		

Standard:		**ROS-4**	
Consensus:	**$8.66 g/t**		
±2δ:	**$0.66 g/t**		
SAMPLE	**Au (init.)**	**Au (rerun)**	
I074824	8.96		
I075179	8.76		
I074919	8.76		
I075227	8.33		
I075358	8.16		
I075569	8.45		
I075500	8.55		
I075954	8.45		
I075655	7.15		Batch 33
I076001	8.70		
I076335	8.26		
I076128	8.33		
I076516	8.29		
I076646	8.69		
J980672	8.36		
I077084	8.73	8.73	
I077145	8.67		
I077033	8.26		
I077199	8.45		
I077252	8.83		
I077271	8.46		
I077364	8.62		
I077470	8.96		
I077659	8.71		
I077735	8.88		
I077618	8.61		
I077845	8.77		
I077935	8.53		
I078077	8.70		
I078226	8.43		
I078186	8.32		

SULPHIDE STANDARDS

Standard:		**RSS-5**	
Consensus:	**0.44 g/t**		
±2δ:	**0.048 g/t**		
SAMPLE	**Au (init.)**	**Au (rerun)**	
I074560	0.54	0.46	Batch 2
I074679	0.31	0.49	Batch 5
I074704	0.41		
I074797	0.39	0.38	Batch 9
I074995	0.70	0.41	Batch 14
I075030	0.46		
I075090	0.50		
I075103	0.51		
I075205	0.46		
I075938	0.47		
I076090	0.46	0.40	
I076212	0.38		
I076161	0.37		
I076395	0.43		
I076478	0.46		
I076563	0.54	0.47	Batch 58
I076594	0.44		
I076929	0.50		
I077057	0.40		
I077293	0.41		
I077340	0.46		
I077557	0.42		
I077492	0.45		
I077837	0.56	0.36	Batch 93

Standard:		**RSS-6**	
Consensus:	**1.83**	**g/t**	
±2δ:	**0.21**	**g/t**	
SAMPLE	**Au (init.)**	**Au (rerun)**	
I074759	1.82		
I074784	1.60		
I074833	1.88		
I074961	1.95		
I074986	1.74	1.82	
I075011	2.06		
I075208	1.80		
I075378	2.00		
I075516	1.84		
I075647	1.84		
I075713	1.57		
I075817	1.83		
I075789	1.86		
I076419	1.70		
I077307	1.99		
I077578	1.82		
I077439	1.85		
I077500	1.81		
I077786	1.98		

Standard:		**RSS-7**	
Consensus:	**3.83**	**g/t**	
±2δ:	**0.33**	**g/t**	
SAMPLE	**Au (init.)**	**Au (rerun)**	
I074840	4.04		
I074893	3.81		
I075057	3.78		
I075123	4.12		
I075237	3.86		
I075285	3.73		
I075966	4.06		
I075676	3.79		
I075766	3.71		
I075733	4.12		
I075856	4.27		
I075902	4.15		
I076113	3.11	3.60	Batch 45
I076543	3.79		
I077178	3.77		
I077421	3.34		
I077755	3.68		

Standard:		RESS-8		
Consensus:	2.72 g/t		2140 ppm	
±2δ:	0.35 g/t		26 ppm	
SAMPLE	Au (init.)	Au (rerun)	W (init.)	W (rerun)
I074588	3.20		2020	
I074599	2.64		1990	
I074658	2.63		2030	
I074866	2.82		2040	
I075388	2.78		2060	
I075532	2.96		2030	
I075626	2.90		2070	
I075615	2.94		2060	
I075798	2.56		1980	
I075753	2.91		2000	
I075887	2.72		1950	
I076364	2.57		2260	
I076369	2.70		2200	
I076297	2.87		2060	
I076378	2.90		2120	
I076452	2.76		2110	
I076315	2.49		2130	
I076430	2.45		2050	
I076246	2.63		1990	
I076758	2.69		2180	

OTHER STANDARDS

Standard:			**ML-1**
Consensus:	**0.332**	**g/t**	
±2δ:	**0.026**	**g/t**	

SAMPLE	**Au (init.)**	**Au (rerun)**
I074522	0.32	

Standard:			**ML-5**	
Consensus:	**2.43**	**g/t**	**1678**	**ppm**
±2δ:	**0.13**	**g/t**	**51**	**ppm**

SAMPLE	**Au (init.)**	**Au (rerun)**	**W (init.)**	**W (rerun)**
I074507	2.31		1580	
I074547	2.46		1480	

Standard:			**OC-2**			
Consensus:	**354**	**g/t**	**9570**	**ppm**	**13400**	**ppm**
±2δ:	**21**	**g/t**	**44**	**ppm**	**110**	**ppm**

SAMPLE	**Ag**	**Pb**	**Zn**
I076830	335	8830	12200
I076685	336	9190	12700
I076884	342	8440	13000

BLANKS

SAMPLE	Au (init.)	Au (rerun)
I074516	0.005	
I074530		
I074556	0.005	
I074565	0.005	
I074579	0.01	
I074607	0.005	
I074615	0.01	
I074628	0.005	
I074662	0.005	
I074674	0.005	
I074695	0.005	
I074713	0.01	
I074722	0.005	
I074744	0.005	
I074755	0.005	
I074775	0.005	
I074800	0.005	
I074809	0.005	
I074831	0.005	
I074887	0.01	
I074892	0.01	
I074904	0.005	
I074931	0.06	
I074936	0.01	
I074946	0.005	
I074973	0.005	
I074973	0.005	
I074978	0.005	
I075018	0.005	
I075034	0.005	
I075049	0.01	
I075072	0.01	
I075084	0.005	
I075092	0.005	
I075114	0.005	
I075129	0.005	
I075157	0.005	
I075173	0.01	
I075189	0.005	
I075202	0.005	
I075233	0.02	
I075245	0.005	
I075375	0.005	
I075391	0.005	

SAMPLE	Au (init.)	Au (rerun)
I075522	0.01	
I075538	0.005	
I075266	0.005	
I075281	0.01	
I075330	0.005	
I075345	0.01	
I075317	0.005	
I075328	0.005	
I075417	0.01	
I075427	0.01	
I075450	0.01	
I075465	0.005	
I075563	0.005	
I075575	0.005	
I075475	0.02	
I075496	0.005	
I075638	0.01	
I075640	0.01	
I075960	0.005	
I075974	0.005	
I075693	0.005	
I075721	0.005	
I075665	0.005	
I075679	0.005	
I075586	0.1	
I075809	0.005	
I075824	0.005	
I075773	0.005	
I075785	0.005	
I075743	0.005	
I075755	0.01	
I075920	0.005	
I075929	0.005	
I075842	0.005	
I075865	0.005	
I075884	0.005	
I075899	0.005	
I076346	0.005	
I076371	0.01	
I076117	0.01	
I076026	0.005	
I075987	0.03	
I075998	0.16	
I076204	0.005	
I076208	0.005	
I076178	0.005	

SAMPLE	Au (init.)	Au (rerun)
I076189	0.005	
I076281	0.005	
I076294	0.005	
I076381	0.005	
I076402	0.005	
I076456	0.005	
I076472	0.005	
I076311	0.005	
I076336	0.01	
I076414	0.005	
I076424	0.005	
I076135	0.01	
I076154	0.01	
I076231	0.02	
I076254	0.005	
I076557	0.01	
I076586	0.005	
I076493	0.02	
I076506	0.01	
I076812	0.005	
I076815	0.005	
I076536	0.01	
I076539	0.02	
I076600	0.02	
I076621	0.01	
I076653	0.01	
I076627	0.005	
I076670	0.005	
I076678	0.01	
I076713	0.005	
I076729	0.005	
I076747	0.005	
I076766	0.01	
I076772	0.005	
I076790	0.02	
I076836	0.005	
I076850	0.01	
J980677	0.02	
J980682	0.01	
I076873	0.01	
I076894	0.005	
I076951	0.005	
I076957	0.005	
I076909	0.01	
I076919	0.005	
I076982	0.005	

SAMPLE	Au (init.)	Au (rerun)	
I076995	0.005		
I077055	0.005		
I077081	0.005		
J980586	0.005		
J980594	0.005		
J980755	0.005		
J980730	0.005		
J980733	0.005		
J980779	0.005		
J980704	0.005		
I077087	0.08	0.01	Batch 73
I077111	0.005	0.005	
I077128	0.005		
I077140	0.01		
J980789	0.005		
I077024	0.005		
I077045	0.005		
I077204	0.005		
I077219	0.005		
I077170	0.005		
I077190	0.01		
I077230	0.005		
I077256	0.005		
I077267	0.005		
I077296	0.005		
I077301	0.01		
I077312	0.005		
I077350	0.005		
I077359	0.01		
I077449	0.005		
I077465	0.01		
I077568	0.005		
I077582	0.005		
I077518	0.005		
I077666	0.005		
I077689	0.005		
I077383	0.005		
I077388	0.005		
I077417	0.005		
I077429	0.005		
I077485	0.005		
I077504	0.005		
I077634	0.005		
I077642	0.03		
I077739	0.005		
I077751	0.005		

SAMPLE	Au (init.)	Au (rerun)	
I077537	0.01		
I077708	0.005		
I077716	0.01		
I077595	0.01		
I077614	0.005		
I077778	0.005		
I077790	0.005		
I077848	0.04		
I077863	0.005		
I077815	0.005		
I077827	0.01		
I077915	0.01		
I077940	0.005		
I077952	0.005		
I077974	0.01		
I077989	0.005		
I078013	0.005		
I078038	0.005		
I078051	0.005		
I077879	0.005		
I077899	0.005		
I078134	0.01		
I078152	0.005		
I078104	0.01		
I078125	0.005		
I078249	0.005		
I078071	0.005		
I078086	0.01		
I078204	0.005		
I078218	0.38	0.01	batch 104
I078170	0.02		
I078181	0.01		

DUPLICATES

HOLE_ID	FROM	TO	INTV.	BATCH	SAMPLE	Au (init.)	SAMPLE	Au (Dup)
Rau-Sc-10-05	217.00	219.66	2.66	1	I074533	0.005	I074534	0.005
Rau-Sc-10-05	231.34	234.10	2.76	2	I074541	0.02	I074542	0.005
Rau-10-73	36.04	39.00	2.96	3	I074582	0.02	I074583	0.01
Rau-10-73	202.00	205.00	3.00	4	I074624	4.42	I074625	3.27
Rau-10-73	312.00	314.80	2.80	5	I074670	0.05	I074671	0.04
Rau-10-72	178.92	181.97	3.05	6	I074691	0.83	I074692	0.93
Rau-10-72	234.72	236.83	2.11	7	I074731	0.01	I074732	0.01
Rau-10-75	124.66	127.41	2.75	8	I074777	0.005	I074778	0.005
Rau-10-75	157.59	160.64	3.05	9	I074791	0.29	I074792	0.21
Rau-10-76	194.00	197.05	3.05	10	I074851	0.005	I074852	0.005
Rau-10-76	280.11	283.00	2.89	11	I074873	0.04	I074874	0.02
Rau-10-74	212.75	213.97	1.22	12	I074928	0.03	I074929	0.02
Rau-10-74	227.08	228.30	1.22	13	I074942	0.01	I074943	0.01
Rau-10-76	437.45	440.45	3.00	14	I074990	0.03	I074991	0.03
Rau-10-74	378.00	381.00	3.00	15	I075037	0.005	I075038	0.01
Rau-10-77	130.00	133.00	3.00	16	I075052	0.005	I075053	0.005
Rau-10-77	297.27	300.00	2.73	17	I075104	0.02	I075105	0.03
Rau-10-77	394.72	397.76	3.04	18	I075125	0.01	I075126	0.01
Rau-10-80	127.41	130.45	3.04	19	I075163	0.01	I075164	0.005
Rau-10-79	103.02	106.07	3.05	20	I075194	0.11	I075195	0.22
Rau-10-82	30.48	32.00	1.52	21	I075241	0.72	I075242	0.47
Rau-10-82	79.25	82.30	3.05	22	I075273	0.005	I075274	0.01
Rau-10-85	39.62	41.15	1.53	23	I075321	0.11	I075322	0.39
Rau-10-85	94.49	97.54	3.05	24	I075363	0.01	I075364	0.02
Rau-10-83	267.33	270.36	3.03	25	I075368	0.005	I075369	0.005
Rau-10-86	41.15	42.67	1.52	26	I075432	0.01	I075433	0.01
Rau-10-84	39.01	40.54	1.53	27	I075460	0.01	I075461	0.01
Rau-10-86	83.82	86.87	3.05	28	I075493	0.005	I075494	0.005
Rau-10-87	275.00	277.00	2.00	29	I075528	0.07	I075529	0.08
Rau-10-88	18.28	19.81	1.53	30	I075553	0.02	I075554	0.01
Rau-10-87	307.05	308.04	0.99	31	I075605	0.13	I075606	0.12
Rau-10-87	329.00	330.00	1.00	32	I075621	0.36	I075622	0.16
Rau-10-87	395.12	395.93	0.81	33	I075680	0.05	I075681	0.03
Rau-10-89	106.68	107.47	0.79	34	I075709	0.13	I075710	0.12
Rau-10-89	125.00	127.15	2.15	35	I075727	0.02	I075728	0.02
Rau-10-89	265.00	266.00	1.00	36	I075775	0.36	I075776	0.38
Rau-10-89	293.32	295.05	1.73	37	I075805	0.03	I075806	0.04
Rau-10-91	98.31	99.65	1.34	38	I075852	0.005	I075853	0.005
Rau-10-93	217.93	218.96	1.03	39	I075876	0.02	I075877	0.005
Rau-10-93	341.38	342.14	0.76	40	I075935	0.005	I075936	0.005
Rau-10-93	371.86	374.31	2.45	41	I075970	1.72	I075971	2.06
Rau-10-90	67.97	69.49	1.52	42	I076010	4.16	I076011	4.55
Rau-10-90	76.06	78.64	2.58	43	I076015	0.12	I076016	0.01
Rau-10-92	284.00	287.00	3.00	45	I076100	0.01	I076101	0.03

HOLE_ID	FROM	TO	INTV.	BATCH	SAMPLE	Au (init.)	SAMPLE	Au (Dup)
Rau-10-96	25.53	27.21	1.68	46	I076121	6.92	I076122	5.89
Rau-10-95	235.00	237.00	2.00	47	I076180	0.005	I076181	0.005
Rau-10-98	5.00	7.00	2.00	48	I076218	0.005	I076219	0.01
Rau-10-99	163.63	166.00	2.37	49	I076263	0.005	I076264	0.01
Rau-10-98	341.00	344.00	3.00	50	I076285	0.01	I076286	0.01
Rau-10-97	255.72	256.64	0.92	51	I076325	0.10	I076326	0.14
Rau-10-99	350.00	353.00	3.00	52	I076360	0.03	I076361	0.02
Rau-10-100	90.00	93.05	3.05	53	I076390	0.005	I076391	0.005
Rau-10-99	499.00	502.00	3.00	54	I076443	0.005	I076444	0.005
Rau-10-99	583.00	585.00	2.00	55	I076467	0.005	I076468	0.01
Rau-10-102	49.68	51.21	1.53	56	I076507	0.21	I076508	0.25
Rau-10-102	77.11	78.89	1.78	57	I076523	0.17	I076524	0.16
Rau-10-103	152.00	155.00	3.00	58	I076565	4.98	I076566	4.79
Rau-10-101	233.78	234.70	0.92	59	I076608	0.44	I076609	0.43
Rau-10-101	253.29	254.20	0.91	60	I076657	0.25	I076658	0.28
CO-10-01	113.39	114.30	0.91	62	I076725	0.16	I076726	0.15
Rau-10-104	94.00	97.00	3.00	63	I076752	0.07	I076753	0.06
Rau-10-105	206.00	207.87	1.87	64	I076785	0.13	I076786	0.12
CO-10-01	216.89	217.74	0.85	65	I076827	0.01	I076828	0.01
Rau-10-106	482.00	485.00	3.00	66	I076841	0.005	I076842	0.01
CO-10-02	153.92	156.97	3.05	67	I076877	0.005	I076878	0.005
Rau-10-107	154.53	157.58	3.05	68	I076921	0.005	I076922	0.005
Rau-10-108	142.65	145.69	3.04	69	I076942	0.02	I076943	0.05
CO-10-03	284.68	287.13	2.45	71	I077037	0.005	I077038	0.005
Rau-10-109	117.20	120.20	3.00	72	I077073	0.005	I077074	0.005
Rau-10-109	162.46	163.98	1.52	73	I077102	0.18	I077103	0.16
Rau-10-111	179.22	182.27	3.05	74	I077151	0.06	I077152	0.04
Rau-10-111	231.04	234.09	3.05	75	I077175	0.02	I077176	0.01
Rau-10-112	175.26	176.17	0.91	76	I077222	0.55	I077223	0.74
Rau-10-113	116.74	118.26	1.52	77	I077257	0.05	I077258	0.08
Rau-10-113	152.30	155.30	3.00	78	I077274	0.04	I077275	0.05
Rau-SC10-07	331.32	334.37	3.05	79	I077325	0.01	I077326	0.005
Rau-SC10-07	373.99	377.04	3.05	80	I077344	0.005	I077345	0.005
Rau-10-114	160.93	163.98	3.05	81	I077392	0.05	I077393	0.05
KT-10-01	213.11	216.00	2.89	82	I077411	0.005	I077412	0.005
Rau-10-116	60.35	63.40	3.05	83	I077452	0.34	I077453	0.38
Rau-10-117	130.15	133.20	3.05	84	I077507	0.52	I077508	0.49
Rau-10-118	83.21	84.73	1.52	85	I077536	0.93	I077538	0.91
Rau-10-119	121.01	124.05	3.04	86	I077562	0.27	I077563	26.10
Rau-10-118	162.45	165.51	3.06	87	I077612	0.05	I077613	0.06
Rau-10-120	79.86	81.38	1.52	88	I077645	0.36	I077646	0.27
Rau-10-121	28.35	29.87	1.52	89	I077685	0.11	I077686	0.13
Rau-10-121	84.73	86.26	1.53	90	I077723	5.13	I077724	5.80
Rau-10-122	69.49	71.02	1.53	92	I077797	2.18	I077798	2.32
Rau-10-124	23.77	26.82	3.05	93	I077832	0.61	I077833	0.67
Rau-10-124	67.97	71.02	3.05	94	I077854	1.70	I077855	0.76

HOLE_ID	FROM	TO	INTV.	BATCH	SAMPLE	Au (init.)	SAMPLE	Au (Dup)
Rau-10-125	88.39	89.92	1.53	95	I077884	0.05	I077885	0.07
Rau-10-126	51.21	54.00	2.79	96	I077927	0.02	I077928	0.01
Rau-10-127	21.34	22.86	1.52	97	I077957	0.40	I077958	0.40
Rau-10-127	74.68	76.20	1.52	98	I077994	0.04	I077995	0.21
Rau-10-128	34.44	37.49	3.05	99	I078027	0.04	I078028	0.03
Rau-10-129	39.62	41.15	1.53	100	I078065	5.75	I078066	5.00
Rau-10-129	83.82	85.34	1.52	101	I078100	0.06	I078101	0.06
Rau-10-130	35.97	39.01	3.04	102	I078138	0.27	I078139	0.23
Rau-10-131	66.04	68.58	2.54	103	I078190	0.07	I078191	0.14
Rau-10-132	17.68	20.73	3.05	104	I078208	0.08	I078209	0.12
Rau-10-132	86.26	89.31	3.05	105	I078238	0.005	I078239	0.01
CH-10-02	85.34	88.28	2.94	3	J980578	0.01	J980579	0.005
CH-10-04	54.86	56.72	1.86	5	J980652	0.005	J980653	0.005
CH-10-05	39.62	42.67	3.05	6	J980693	0.005	J980694	0.005
CH-10-06	68.37	71.29	2.92	8	J980760	0.005	J980761	0.005
CH-10-06	148.00	151.00	3.00	9	J980798	0.01	J980799	0.01

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Certificate of Analysis

RAU Standard 2010 A

Element	Certified Mean	Two Standard Deviations (between lab)
FA Au	**0.437 g/t**	**0.048 g/t**

Means and standard deviations were calculated from data supplied by six laboratories using a fire assay, ICP-ES finish.

The participating laboratories were:

ALS Chemex, Vancouver
Acme, Vancouver
Actlabs, Ancaster
IPL, Vancouver
TSL, Saskatoon
Ecotech, Kamloops

The final limits were calculated after first determining if all data was compatible within a spread normally expected for similar analytical methods done by reputable laboratories. This was done by using a Student's t test of means where a laboratory was removed from the data base if failing the t test. The means and standard deviations from the remaining data were calculated. Any analysis that fell outside of the mean ± 2SD was removed from the ensuing data base. The mean and standard deviations were again calculated using the remaining data (shown as the 1st Iteration in the attached Excel spreadsheets). The final standard deviation is known as the "Between Lab" deviation, and can be used to monitor accuracy of a single analysis.

Elements are certified if the Relative Standard Deviation (RSD) is near 5 % or less. Elements that have a RSD of between 5 % and 15 % are given a Provisional mean and elements that have a RSD of more than 15 %, or have insufficient data are not certified but given an Indicated Mean.

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web site: www.geochemist.com

The bulk standards were prepared and packaged by CDN Labs of Langley B.C. Each bulk sample was pulverized in a large rod mill, screened through 270 mesh using an electric sieve, and homogenized in a large rotating mixer.

Certified by:

Barry W. Smee, Ph.D., P.Geo.

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Certificate of Analysis

RAU Standard 2010 B

Element	Certified Mean	Two Standard Deviations (between lab)
FA Au	**1.83 g/t**	**0.21 g/t**

Means and standard deviations were calculated from data supplied by six laboratories using a fire assay, ICP-ES finish.

The participating laboratories were:

ALS Chemex, Vancouver
Acme, Vancouver
Actlabs, Ancaster
IPL, Vancouver
TSL, Saskatoon
Ecotech, Kamloops

The final limits were calculated after first determining if all data was compatible within a spread normally expected for similar analytical methods done by reputable laboratories. This was done by using a Student's t test of means where a laboratory was removed from the data base if failing the t test. The means and standard deviations from the remaining data were calculated. Any analysis that fell outside of the mean ± 2SD was removed from the ensuing data base. The mean and standard deviations were again calculated using the remaining data (shown as the 1st Iteration in the attached Excel spreadsheets). The final standard deviation is known as the "Between Lab" deviation, and can be used to monitor accuracy of a single analysis.

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web site: www.geochemist.com

The bulk standards were prepared and packaged by CDN Labs of Langley B.C. Each bulk sample was pulverized in a large rod mill, screened through 270 mesh using an electric sieve, and homogenized in a large rotating mixer.

Certified by:

Barry W. Smee, Ph.D., P.Geo.

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Certificate of Analysis

RAU Standard 2010 C

Element	Certified Mean	Two Standard Deviations (between lab)
FA Au	**3.83 g/t**	**0.33 g/t**

Means and standard deviations were calculated from data supplied by six laboratories using a fire assay, ICP-ES finish.

The participating laboratories were:

ALS Chemex, Vancouver
Acme, Vancouver
Actlabs, Ancaster
IPL, Vancouver
TSL, Saskatoon
Ecotech, Kamloops

The final limits were calculated after first determining if all data was compatible within a spread normally expected for similar analytical methods done by reputable laboratories. This was done by using a Student's t test of means where a laboratory was removed from the data base if failing the t test. The means and standard deviations from the remaining data were calculated. Any analysis that fell outside of the mean ± 2SD was removed from the ensuing data base. The mean and standard deviations were again calculated using the remaining data (shown as the 1st Iteration in the attached Excel spreadsheets). The final standard deviation is known as the "Between Lab" deviation, and can be used to monitor accuracy of a single analysis.

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The bulk standards were prepared and packaged by CDN Labs of Langley B.C. Each bulk sample was pulverized in a large rod mill, screened through 270 mesh using an electric sieve, and homogenized in a large rotating mixer.

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Certificate of Analysis

RAU Standard 2010 D

Element	Certified Mean	Two Standard Deviations (between lab)
FA Au	**2.72 g/t**	**0.35 g/t**
4 acid or XRF W	**0.214 %**	**0.026 %**

Means and standard deviations were calculated from data supplied by six laboratories using a fire assay, ICP-ES finish for Au and a four acid digestion ICP-ES, INAA or XRF method for W.

The participating laboratories were:

ALS Chemex, Vancouver
Acme, Vancouver
Actlabs, Ancaster
IPL, Vancouver
TSL, Saskatoon
Ecotech, Kamloops

The final limits were calculated after first determining if all data was compatible within a spread normally expected for similar analytical methods done by reputable laboratories. This was done by using a Student's t test of means where a laboratory was removed from the data base if failing the t test. The means and standard deviations from the remaining data were calculated. Any analysis that fell outside of the mean ± 2SD was removed from the ensuing data base. The mean and standard deviations were again calculated using the remaining data (shown as the 1st Iteration in the attached Excel spreadsheets). The final standard deviation is known as the "Between Lab" deviation, and can be used to monitor accuracy of a single analysis.

Elements are certified if the Relative Standard Deviation (RSD) is near 5 % or less. Elements that have a RSD of between 5 % and 15 % are given a Provisional mean and elements that have a RSD of more than 15 %, or have insufficient data are not certified but given an Indicated Mean.

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CDN Resource Laboratories Ltd.

10945-B River Road, Delta, B.C., Canada, V4C 2R8, 604-540-2233, Fax: 604-540-2237 (www.cdnlabs.com)

ORE REFERENCE STANDARD: CDN-SE-1

Recommended values and the "Between Lab" Two Standard Deviations

Gold	***0.480***	***± 0.034 g/t***
Silver	***712***	***± 57 g/t***
Copper	***0.097***	***± 0.005 %***
Lead	***1.92***	***± 0.09 %***
Zinc	***2.65***	***± 0.20 %***

PREPARED BY: CDN Resource Laboratories Ltd.
CERTIFIED BY: Duncan Sanderson, B.Sc., Licensed Assayer of British Columbia
INDEPENDENT GEOCHEMIST: Dr. Barry Smee., Ph.D., P. Geo.
DATE OF CERTIFICATION: May 15, 2007

METHOD OF PREPARATION:

Reject ore material was dried, crushed, pulverized and then passed through a 200 mesh screen. The +200 material was discarded. The -200 material was mixed for 6 days in a double-cone blender. Splits were taken and sent to twelve laboratories for round robin assaying.

ORIGIN OF REFERENCE MATERIAL:

The ore was supplied by Silver Eagle Mines Inc. from their Miguel Auza property. The material is from a relatively coarse-grained, epithermal Pb-Zn-Ag vein with accessory pyrite, calcite, quartz, sericite and clays. Principal ore minerals are galena, sphalerite, argentite, native silver (electrum?) and minor silver sulphosalts.The latter may comprise one or more of iodargyrite, proustite-pyrargyrite, pearceite-polybasite, nuammanite, aguilarite and eucarite. Arsenic, lesser antimony and copper and minor selenium are all present. The sample was taken from the transition zone between the near-surface oxidized zone and the unweathered (protore) zone of primary sulphides. As such, some cerussite ($PbCO_3$) and smithsonite ($ZnCO_3$) are probably present.

Approximate chemical composition is as follows:

	Percent			Percent
SiO_2	51.6		Na_2O	0.1
Al_2O_3	8.3		MgO	0.6
Fe_2O_3	17.0		K_2O	3.1
CaO	2.8		TiO_2	0.4
MnO	0.3		LOI	12.2
S	12.7		C	1.1

Statistical Procedures:

The final limits were calculated after first determining if all data was compatible within a spread normally expected for similar analytical methods done by reputable laboratories. Data from any one laboratory was removed from further calculations when the mean of all analyses from that laboratory failed a t test of the global means of the other laboratories. The means and standard deviations were calculated using all remaining data. Any analysis that fell outside of the mean ±2 standard deviations was removed from the ensuing data base. The mean and standard deviations were again calculated using the remaining data. Outliers were defined as samples beyond the mean ± 2 Standard Deviations from all data. These outliers were removed from the data and a new mean and standard deviation was determined. This method is different from that used by Government agencies in that the actual "between-laboratory" standard deviation is used in the calculations. This produces upper and lower limits that reflect actual individual analyses rather than a grouped set of analyses. The limits can therefore be used to monitor accuracy from individual analyses, unlike the Confidence Limits published on other standards.

STANDARD REFERENCE MATERIAL CDN-SE-1

Assay Procedures:

Au: Fire assay pre-concentration, AA or ICP finish (30g sub-sample).
Ag: either fire assay, gravimetric or 4 acid digestion, ICP finish
Cu, Pb, Zn: 4-acid digestion, AA or ICP finish.

Round-robin assay results:

	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8	Lab 9	Lab 10	Lab 11	Lab 12
	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t
SE1-1	0.48	0.43	0.484	0.49	0.46	0.51	0.500	0.52	0.485	0.494	0.475	0.406
SE1-2	0.45	0.44	0.492	0.49	0.46	0.50	0.500	0.51	0.482	0.484	0.465	0.461
SE1-3	0.46	0.49	0.484	0.47	0.44	0.50	0.467	0.50	0.496	0.474	0.475	0.489
SE1-4	0.49	0.44	0.487	0.47	0.46	0.48	0.467	0.48	0.498	0.485	0.475	0.437
SE1-5	0.47	0.46	0.482	0.47	0.48	0.49	0.500	0.45	0.494	0.474	0.475	0.463
SE1-6	0.45	0.48	0.486	0.47	0.47	0.49	0.500	0.48	0.503	0.475	0.465	0.448
SE1-7	0.48	0.48	0.487	0.48	0.46	0.51	0.533	0.49	0.501	0.490	0.480	0.493
SE1-8	0.49	0.45	0.490	0.47	0.46	0.47	0.500	0.49	0.490	0.493	0.475	0.418
SE1-9	0.47	0.44	0.484	0.47	0.49	0.50	0.500	0.50	0.499	0.483	0.460	0.473
SE1-10	0.5	0.46	0.491	0.47	0.47	0.48	0.467	0.50	0.499	0.484	0.480	0.435
Mean	0.47	0.46	0.49	0.48	0.47	0.49	0.49	0.49	0.49	0.48	0.47	0.45
Std. Devn.	0.017	0.019	0.003	0.008	0.014	0.013	0.021	0.019	0.007	0.007	0.007	0.029
% RSD	3.61	4.22	0.69	1.79	2.91	2.71	4.23	3.93	1.41	1.54	1.43	6.38
	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t
SE1-1	716	697	703.2	708.6	645	760	706.2	744	691	716	709.2	730
SE1-2	725	724	701.4	720.6	705	760	695.6	757	652	709	666.1	746
SE1-3	723	682	704.8	716.8	642	755	707.6	731	644	710	698.7	757
SE1-4	714	681	703.2	720.3	726	750	694.1	742	630	721	714.6	735
SE1-5	718	680	698.3	716	679	750	694.6	827	641	716	696.5	757
SE1-6	727	688	704.1	705.4	671	770	694.0	731	660	708	713.4	735
SE1-7	725	694	704.9	720.5	717	760	692.5	752	663	707	710.9	735
SE1-8	729	698	700.2	724.4	654	770	695.9	732	682	708	701.8	751
SE1-9	731	662	697.0	726.7	697	770	701.4	739	678	721	669.6	735
SE1-10	719	675	704.6	726.6	664	750	692.8	734	665	718	718.7	746
Mean	723	688	702	719	698	760	697	749	661	713	700	743
Std. Devn.	5.72	16.69	2.83	7.13	36.53	8.32	5.57	28.85	19.38	5.45	18.37	9.99
% RSD	0.79	2.43	0.40	0.99	5.23	1.10	0.80	3.85	2.93	0.76	2.62	1.35

STANDARD REFERENCE MATERIAL CDN-SE-1

	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8	Lab 9	Lab 10	Lab 11	Lab 12
	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu
SE1-1	0.096	0.097	0.10	0.095	0.095	0.098	0.096	0.098	0.101	0.099	0.093	0.098
SE1-2	0.095	0.097	0.10	0.095	0.097	0.096	0.095	0.098	0.099	0.097	0.093	0.095
SE1-3	0.095	0.096	0.10	0.094	0.094	0.097	0.095	0.098	0.098	0.097	0.094	0.098
SE1-4	0.095	0.096	0.12	0.094	0.094	0.098	0.094	0.098	0.101	0.098	0.094	0.098
SE1-5	0.094	0.096	0.10	0.094	0.093	0.095	0.096	0.108	0.098	0.098	0.093	0.096
SE1-6	0.097	0.098	0.10	0.092	0.094	0.098	0.097	0.098	0.096	0.098	0.095	0.096
SE1-7	0.098	0.101	0.10	0.094	0.093	0.098	0.095	0.098	0.101	0.098	0.094	0.099
SE1-8	0.095	0.099	0.10	0.093	0.093	0.096	0.093	0.099	0.098	0.097	0.092	0.099
SE1-9	0.098	0.098	0.10	0.093	0.094	0.098	0.095	0.098	0.099	0.099	0.092	0.100
SE1-10	0.096	0.100	0.10	0.091	0.094	0.097	0.095	0.097	0.095	0.098	0.093	0.099
Mean	0.096	0.098	0.101	0.094	0.094	0.097	0.095	0.099	0.099	0.098	0.093	0.098
Std. Devn.	0.0014	0.0018	0.0070	0.0013	0.0011	0.0011	0.0011	0.0032	0.0021	0.0008	0.0009	0.0016
% RSD	1.43	1.79	6.91	1.36	1.18	1.13	1.16	3.23	2.09	0.85	1.02	1.66
	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb
SE1-1	1.98	1.93	1.94	1.94	1.90	2.10	1.89	2.01	2.04	1.86	1.87	1.87
SE1-2	1.93	1.89	1.90	1.94	1.91	2.08	1.91	2.01	2.02	1.84	1.89	1.89
SE1-3	1.93	1.88	1.96	1.95	1.89	2.10	1.89	1.94	2.01	1.86	1.89	1.87
SE1-4	1.95	1.90	1.95	1.93	1.90	2.08	1.91	2.04	2.08	1.85	1.88	1.87
SE1-5	1.93	1.92	1.97	1.95	1.86	2.08	1.88	2.22	1.98	1.84	1.89	1.89
SE1-6	1.93	1.93	1.88	1.92	1.89	2.12	1.88	2.01	1.94	1.87	1.89	1.86
SE1-7	2.03	1.95	1.92	1.91	1.89	2.10	1.90	2.04	2.03	1.86	1.91	1.84
SE1-8	1.92	1.93	1.89	1.94	1.89	2.11	1.89	2.01	1.96	1.88	1.89	1.87
SE1-9	1.97	1.91	1.92	1.95	1.89	2.10	1.89	2.05	2.02	1.88	1.87	1.85
SE1-10	1.95	1.95	1.91	1.93	1.90	2.10	1.91	1.96	1.94	1.85	1.88	1.87
Mean	1.95	1.92	1.92	1.94	1.89	2.10	1.89	2.03	2.00	1.86	1.89	1.87
Std. Devn.	0.0336	0.0238	0.0305	0.0135	0.0128	0.0134	0.0123	0.0755	0.0459	0.0132	0.0116	0.0167
% RSD	1.72	1.24	1.58	0.70	0.68	0.64	0.65	3.72	2.29	0.71	0.62	0.89
	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn
SE1-1	2.82	2.59	2.60	2.54	2.70	2.91	2.79	2.87	2.72	2.63	2.58	2.54
SE1-2	2.73	2.65	2.58	2.49	2.63	2.95	2.76	2.85	2.68	2.62	2.60	2.49
SE1-3	2.76	2.66	2.65	2.53	2.66	2.84	2.83	2.88	2.66	2.61	2.60	2.55
SE1-4	2.79	2.62	2.64	2.49	2.61	2.85	2.78	2.90	2.75	2.61	2.57	2.51
SE1-5	2.71	2.64	2.63	2.50	2.64	2.86	2.77	3.23	2.63	2.63	2.63	2.57
SE1-6	2.76	2.64	2.53	2.52	2.68	2.83	2.77	2.92	2.58	2.63	2.60	2.54
SE1-7	2.78	2.63	2.63	2.53	2.67	2.87	2.86	2.92	2.73	2.61	2.62	2.53
SE1-8	2.75	2.57	2.54	2.51	2.68	2.88	2.82	2.93	2.62	2.65	2.60	2.56
SE1-9	2.84	2.61	2.54	2.52	2.65	2.82	2.80	2.92	2.69	2.66	2.64	2.58
SE1-10	2.80	2.63	2.58	2.54	2.67	2.86	2.79	2.83	2.57	2.66	2.58	2.55
Mean	2.77	2.62	2.59	2.52	2.66	2.87	2.80	2.93	2.66	2.63	2.60	2.54
Std. Devn.	0.040	0.028	0.045	0.019	0.029	0.039	0.031	0.112	0.062	0.020	0.023	0.027
% RSD	1.44	1.05	1.75	0.75	1.07	1.36	1.12	3.84	2.34	0.77	0.88	1.06

NOTE : Pb data from Lab. 6 was removed for failing the "t" test.
Zn data from Lab. 8 was removed for failing the "t" test.

STANDARD REFERENCE MATERIAL CDN-SE-1

Participating Laboratories:
(not in same order as listed in table of results)

Acme Analytical Laboratories Ltd., Vancouver
Assayers Canada Ltd., Vancouver
ALS Chemex Laboratories, North Vancouver
Alaska Assay Lab., USA
Alex Stewart Assayers (Argentina) Ltd.
Eco Tech Laboratory, Kamloops, B.C.
Genalysis Laboratory Services, Australia
GTK Laboratory, Finland
OMAC Laboratory Ltd., Ireland
Skyline Laboratory, Arizona, USA
Teck Cominco - Global Discovery Laboratory, Vancouver
TSL Laboratories Ltd., Saskatoon

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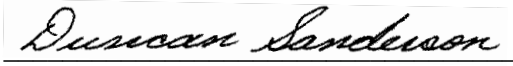
Certified by 

Duncan Sanderson, Certified Assayer of B.C.

Geochemist

Dr. Barry Smee, Ph.D., P. Geo.

CDN Resource Laboratories Ltd.

10945-B River Road, Delta, B.C., Canada, V4C 2R8, 604-540-2233, Fax: 604-540-2237 (www.cdnlabs.com)

ORE REFERENCE STANDARD: CDN-SE-2

Recommended values and the "Between Lab" Two Standard Deviations

Gold	***0.242***	***±***	***0.018 g/t***
Silver	***354***	***±***	***21 g/t***
Copper	***0.049***	***±***	***0.003 %***
Lead	***0.957***	***±***	***0.044 %***
Zinc	***1.34***	***±***	***0.11 %***

PREPARED BY: CDN Resource Laboratories Ltd.
CERTIFIED BY: Duncan Sanderson, B.Sc., Licensed Assayer of British Columbia
INDEPENDENT GEOCHEMIST: Dr. Barry Smee., Ph.D., P. Geo.
DATE OF CERTIFICATION: May 15, 2007

METHOD OF PREPARATION:

Reject ore material was dried, crushed, pulverized and then passed through a 200 mesh screen. The +200 material was discarded. The -200 material was mixed for 6 days in a double-cone blender. Splits were taken and sent to twelve laboratories for round robin assaying.

ORIGIN OF REFERENCE MATERIAL:

The ore was supplied by Silver Eagle Mines Inc. from their Miguel Auza property. The material is from a relatively coarse-grained, epithermal Pb-Zn-Ag vein with accessory pyrite, calcite, quartz, sericite and clays. Principal ore minerals are galena, sphalerite, argentite, native silver (electrum?) and minor silver sulphosalts.The latter may comprise one or more of iodargyrite, proustite-pyrargyrite, pearceite-polybasite, nuammanite, aguilarite and eucarite. Arsenic, lesser antimony and copper and minor selenium are all present. The sample was taken from the transition zone between the near-surface oxidized zone and the unweathered (protore) zone of primary sulphides. As such, some cerussite (PbCO3) and smithsonite (ZnCO3) are probably present. Standard CDN-SE-2 was prepared by mixing the primary ore 50:50 with A blank granitic material.

Approximate chemical composition is as follows:

	Percent			Percent
SiO2	60.7		Na2O	1.6
Al2O3	10.4		MgO	1.5
Fe2O3	11.3		K2O	2.0
CaO	3.2		TiO2	0.5
MnO	0.2		LOI	6.8
S	6.3		C	0.6

Statistical Procedures:

The final limits were calculated after first determining if all data was compatible within a spread normally expected for similar analytical methods done by reputable laboratories. Data from any one laboratory was removed from further calculations when the mean of all analyses from that laboratory failed a t test of the global means of the other laboratories. The means and standard deviations were calculated using all remaining data. Any analysis that fell outside of the mean ±2 standard deviations was removed from the ensuing data base. The mean and standard deviations were again calculated using the remaining data. Outliers were defined as samples beyond the mean ± 2 Standard Deviations from all data. These outliers were removed from the data and a new mean and standard deviation was determined. This method is different from that used by Government agencies in that the actual "between-laboratory" standard deviation is used in the calculations. This produces upper and lower limits that reflect actual individual analyses rather than a grouped set of analyses. The limits can therefore be used to monitor accuracy from individual analyses, unlike the Confidence Limits published on other standards.

STANDARD REFERENCE MATERIAL CDN-SE-2

Assay Procedures:

Au: Fire assay pre-concentration, AA or ICP finish (30g sub-sample).
Ag: either fire assay, gravimetric or 4 acid digestion, ICP finish
Cu, Pb, Zn: 4-acid digestion, AA or ICP finish.

Round-robin assay results:

	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8	Lab 9	Lab 10	Lab 11	Lab 12
	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t
SE2-1	0.24	0.247	0.25	0.27	0.24	0.25	0.233	0.24	0.250	0.232	0.235	0.253
SE2-2	0.24	0.239	0.24	0.23	0.25	0.25	0.333	0.24	0.252	0.234	0.220	0.250
SE2-3	0.20	0.241	0.24	0.23	0.25	0.26	0.333	0.24	0.249	0.231	0.235	0.242
SE2-4	0.24	0.244	0.24	0.24	0.25	0.25	0.267	0.25	0.247	0.227	0.230	0.241
SE2-5	0.25	0.248	0.25	0.22	0.24	0.25	0.233	0.24	0.247	0.222	0.230	0.250
SE2-6	0.25	0.242	0.24	0.23	0.24	0.26	0.300	0.25	0.245	0.218	0.235	0.236
SE2-7	0.24	0.246	0.25	0.24	0.23	0.26	0.333	0.25	0.249	0.232	0.230	0.246
SE2-8	0.24	0.242	0.24	0.23	0.24	0.26	0.300	0.25	0.239	0.227	0.230	0.259
SE2-9	0.25	0.237	0.25	0.23	0.25	0.25	0.300	0.25	0.240	0.229	0.235	0.254
SE2-10	0.24	0.249	0.24	0.25	0.25	0.24	0.233	0.24	0.237	0.228	0.245	0.239
Mean	0.239	0.244	0.243	0.237	0.244	0.253	0.287	0.245	0.246	0.228	0.233	0.247
Std. Devn.	0.0145	0.0040	0.0025	0.0142	0.0070	0.0067	0.0422	0.0053	0.0051	0.0049	0.0063	0.0074
% RSD	6.06	1.63	1.03	5.98	2.87	2.67	14.72	2.15	2.09	2.15	2.73	3.00
	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t
SE2-1	356	358	352.6	350.9	353	380	351.1	387	350	370	347.0	362
SE2-2	362	341	350.9	345.3	358	380	343.9	371	347	349	343.1	368
SE2-3	362	339	352.7	349.0	357	380	345.1	415	345	357	353.7	362
SE2-4	364	341	351.3	349.7	357	380	349.1	378	346	352	353.3	368
SE2-5	362	348	353.2	340.3	358	380	350.2	354	348	348	349.5	362
SE2-6	369	342	356.0	361.3	357	390	345.7	357	346	349	344.0	357
SE2-7	373	340	349.2	359.3	360	380	338.4	376	346	341	348.3	373
SE2-8	367	338	352.7	349.5	357	380	337.3	365	348	352	342.4	357
SE2-9	377	247	349.3	348.6	357	390	342.4	363	347	362	352.1	368
SE2-10	369	248	355.4	354.2	354	390	345.4	369	350	340	350.7	368
Mean	366	324	352	351	357	383	345	374	347	352	348	365
Std. Devn.	6.1545	40.8461	2.2656	6.1963	4.9497	4.8305	4.6377	17.6147	1.7029	9.2164	4.1861	5.2967
% RSD	1.68	12.60	0.64	1.77	1.39	1.26	1.34	4.72	0.49	2.62	1.20	1.45

NOTE : Au data from Lab. 7 was removed for failing the "t" test.
Ag data from Lab. 6 was removed for failing the "t" test.

STANDARD REFERENCE MATERIAL CDN-SE-2

	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8	Lab 9	Lab 10	Lab 11	Lab 12
	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu
SE2-1	0.049	0.051	0.05	0.048	0.049	0.049	0.049	0.051	0.050	0.050	0.048	0.051
SE2-2	0.050	0.052	0.05	0.048	0.048	0.048	0.049	0.050	0.049	0.050	0.048	0.056
SE2-3	0.049	0.053	0.05	0.046	0.047	0.048	0.049	0.056	0.049	0.050	0.049	0.048
SE2-4	0.049	0.049	0.05	0.048	0.048	0.048	0.049	0.050	0.050	0.050	0.047	0.049
SE2-5	0.048	0.051	0.05	0.047	0.047	0.050	0.050	0.049	0.050	0.050	0.047	0.047
SE2-6	0.048	0.052	0.05	0.048	0.047	0.047	0.050	0.048	0.050	0.050	0.048	0.049
SE2-7	0.048	0.051	0.05	0.046	0.048	0.050	0.049	0.049	0.048	0.049	0.047	0.049
SE2-8	0.050	0.050	0.05	0.048	0.048	0.048	0.049	0.049	0.049	0.050	0.047	0.050
SE2-9	0.050	0.050	0.05	0.048	0.047	0.050	0.049	0.047	0.049	0.051	0.048	0.051
SE2-10	0.049	0.051	0.05	0.048	0.048	0.050	0.049	0.049	0.05	0.050	0.050	0.050
Mean	0.049	0.051	0.051	0.048	0.048	0.049	0.049	0.050	0.049	0.050	0.048	0.050
Std. Devn.	0.0008	0.0012	0.0018	0.0008	0.0006	0.0011	0.0004	0.0024	0.0007	0.0005	0.0010	0.0024
% RSD	1.67	2.26	3.51	1.79	1.35	2.33	0.86	4.90	1.42	0.90	2.08	4.90
	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb
SE2-1	0.96	0.94	0.99	0.99	0.94	0.97	0.95	1.02	0.96	0.95	0.94	0.92
SE2-2	0.97	0.96	1.01	0.99	0.94	0.96	0.95	1.01	0.94	0.94	0.94	0.92
SE2-3	0.97	0.96	1.00	1.01	0.94	0.97	0.94	1.10	0.94	0.95	0.96	0.94
SE2-4	0.97	0.91	1.01	1.00	0.94	0.98	0.95	1.02	0.96	0.93	0.96	0.94
SE2-5	0.95	0.95	0.97	1.00	0.94	0.97	0.95	0.96	0.96	0.93	0.96	0.93
SE2-6	0.95	0.96	0.97	1.02	0.94	0.97	0.95	0.95	0.94	0.93	0.94	0.94
SE2-7	0.95	0.95	0.99	1.01	0.93	0.96	0.95	0.99	0.92	0.93	0.95	0.95
SE2-8	0.99	0.94	0.99	1.01	0.95	0.96	0.95	0.99	0.92	0.94	0.94	0.95
SE2-9	0.97	0.95	0.95	0.99	0.95	0.97	0.96	0.95	0.93	0.94	0.95	0.96
SE2-10	0.96	0.95	0.97	0.97	0.94	0.97	0.96	0.97	0.93	0.95	0.95	0.95
Mean	0.96	0.95	0.98	1.00	0.94	0.97	0.95	1.00	0.94	0.94	0.95	0.94
Std. Devn.	0.0126	0.0149	0.0198	0.0145	0.0062	0.0044	0.0063	0.0453	0.0156	0.0093	0.0065	0.0116
% RSD	1.31	1.58	2.01	1.45	0.66	0.45	0.66	4.54	1.66	0.99	0.69	1.24
	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn
SE2-1	1.36	1.32	1.40	1.26	1.34	1.42	1.34	1.43	1.29	1.35	1.32	1.27
SE2-2	1.38	1.31	1.40	1.24	1.33	1.45	1.34	1.40	1.26	1.33	1.31	1.25
SE2-3	1.39	1.33	1.42	1.28	1.35	1.43	1.34	1.55	1.26	1.34	1.33	1.23
SE2-4	1.39	1.30	1.42	1.28	1.34	1.43	1.33	1.44	1.29	1.32	1.33	1.27
SE2-5	1.38	1.30	1.38	1.27	1.35	1.44	1.33	1.37	1.28	1.32	1.35	1.24
SE2-6	1.39	1.29	1.37	1.26	1.35	1.41	1.32	1.36	1.27	1.33	1.32	1.28
SE2-7	1.36	1.29	1.39	1.27	1.33	1.41	1.33	1.41	1.23	1.34	1.34	1.28
SE2-8	1.42	1.28	1.39	1.26	1.34	1.43	1.33	1.39	1.25	1.32	1.33	1.28
SE2-9	1.41	1.28	1.34	1.27	1.33	1.43	1.34	1.35	1.27	1.34	1.34	1.30
SE2-10	1.38	1.27	1.36	1.28	1.34	1.44	1.35	1.42	1.26	1.34	1.34	1.29
Mean	1.39	1.30	1.39	1.27	1.34	1.43	1.34	1.41	1.27	1.33	1.33	1.27
Std. Devn.	0.0190	0.0189	0.0271	0.0125	0.0079	0.0129	0.0081	0.0569	0.0184	0.0103	0.0108	0.0223
% RSD	1.37	1.46	1.96	0.99	0.59	0.90	0.61	4.03	1.45	0.78	0.81	1.76

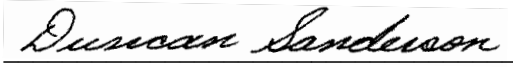
STANDARD REFERENCE MATERIAL CDN-SE-2

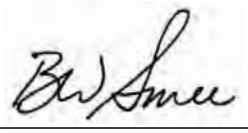
Participating Laboratories:
(not in same order as listed in table of results)

Acme Analytical Laboratories Ltd., Vancouver
Assayers Canada Ltd., Vancouver
ALS Chemex Laboratories, North Vancouver
Alaska Assay Lab., USA
Alex Stewart Assayers (Argentina) Ltd.
Eco Tech Laboratory, Kamloops, B.C.
Genalysis Laboratory Services, Australia
GTK Laboratory, Finland
OMAC Laboratory Ltd., Ireland
Skyline Laboratory, Arizona, USA
Teck Cominco - Global Discovery Laboratory, Vancouver
TSL Laboratories Ltd., Saskatoon

Legal Notice:

This certificate and the reference material described in it have been prepared with due care and attention. However CDN Resource Laboratories Ltd. or Barry Smee accept no liability for any decisions or actions taken following the use of the reference material. Our liability is limited solely to the cost of the reference material.

Certified by 
Duncan Sanderson, Certified Assayer of B.C.

Geochemist 
Dr. Barry Smee, Ph.D., P. Geo.

GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Gold Reference Material Product Code

G306-1

Certified Control Values

50 gram Fire Assay

Gold Grade	0.41 ppm
Standard Deviation	0.03 ppm
Confidence Interval	+/- 0.006 ppm

Aqua Regia Digest

Gold Grade	0.41 ppm
Standard Deviation	0.05 ppm
Confidence Interval	+/- 0.016 ppm

CRM Details

Control Statistic Details

Control statsitics were produced from results accumulated in the :

April-2006	Geostats Pty Ltd Laboratory Round Robin Program.
85	laboratories tested this material using 50 gram Fire Assay.
39	laboratories tested it using an Aqua Regia Technique.
1	laboratories tested this material using Neutron Activation Analysis.

Source Material

Prior to homogenisation and testing, this material was sourced from
Cut-off Ore Oxide Material

Colour Designation

Grayish pink

Usage

This product is for use in the mining industry as reference materials for monitoring and testing the accuracy of laboratory assaying.

Preparation and Packaging

All standards are dried in an oven for a minimum of 12 hours at 110C. The dry material is then pulverised to better than 75 micron (nominal mean of 45 micron) using an Air Classifier. The material is then homogenised and stored in a sealed, stable container ready for final packaging.

Materials are statistically sampled from stores, then packaged into either heat sealed, air tight, plastic pulp packets or screw top sealed plastic containers ready for distribution. All packaging has been chosen to ensure minimal contamination from outside sources during shipment, use and storage.

Assay Testwork

All standards are tested thoroughly in the Geostats bi-annual laboratory survey. This involves assaying by a minimum of 50 reputable laboratories selected from across the world. Results are compiled into a comprehensive report detailing statistics for each standard. Assay distributions are checked and processed statistically, producing monitoring statistics for these standards. Materials are tested regularly to ensure stability and homogeneity.

Neutron Activation Analysis Results (ppm)	
Antimony	0.70
Arsenic	-0.50
Barium	82.00
Bromine	0.60
Cadmium	nr
Cerium	19.00
Caesium	22.00
Chromium	37.00
Cobalt	10.00
Europium	0.50
Gold ppb	420.00
Hafnium	7.00
Iridium ppb	-5.00
Iron %	2.02
Lanthanum	10.00
Lutetium	0.14
Molybdenum	9.00
Nickel	-100.00
Rubidium	780.00
Samarium	1.80
Scandium	6.90
Selenium	-3.00
Sodium %	1.33
Tantalum	1.50
Tellurium	nr
Terbium	-0.50
Thorium	1.20
Tin	-100.00
Tungsten	-1.00
Uranium	0.90
Ytterbium	1.00
Zinc	-50.00
Zirconium	nr
Calcium%	nr
Potassium %	nr
Silver	6.00
Mercury	nr
Neodymium	nr
Strontium	nr

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Website http://www.geostats.com.au

G306-1

Geostats Pty Ltd, Certified Gold Reference Material, Product Code :

GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Gold Reference Material Product Code

G306-3

Certified Control Values

50 gram Fire Assay

Gold Grade	8.66 ppm
Standard Deviation	0.33 ppm
Confidence Interval	+/- 0.047 ppm

Aqua Regia Digest

Gold Grade	8.60 ppm
Standard Deviation	0.52 ppm
Confidence Interval	+/- 0.113 ppm

CRM Details

Control Statistic Details

Control statsitics were produced from results accumulated in the :

October-2006	Geostats Pty Ltd Laboratory Round Robin Program.
191	laboratories tested this material using 50 gram Fire Assay.
84	laboratories tested it using an Aqua Regia Technique.
1	laboratories tested this material using Neutron Activation Analysis.

Source Material

Prior to homogenisation and testing, this material was sourced from
High Grade oxide ore

Colour Designation

Pale red

Usage

This product is for use in the mining industry as reference materials for monitoring and testing the accuracy of laboratory assaying.

Preparation and Packaging

All standards are dried in an oven for a minimum of 12 hours at 110C. The dry material is then pulverised to better than 75 micron (nominal mean of 45 micron) using an Air Classifier. The material is then homogenised and stored in a sealed, stable container ready for final packaging.

Materials are statistically sampled from stores, then packaged into either heat sealed, air tight, plastic pulp packets or screw top sealed plastic containers ready for distribution. All packaging has been chosen to ensure minimal contamination from outside sources during shipment, use and storage.

Assay Testwork

All standards are tested thoroughly in the Geostats bi-annual laboratory survey. This involves assaying by a minimum of 50 reputable laboratories selected from across the world. Results are compiled into a comprehensive report detailing statistics for each standard. Assay distributions are checked and processed statistically, producing monitoring statistics for these standards. Materials are tested regularly to ensure stability and homogeneity.

Neutron Activation Analysis Results (ppm)	
Antimony	0.81
Arsenic	6.79
Barium	52.50
Bromine	0.24
Cadmium	nr
Cerium	4.00
Caesium	62.55
Chromium	49.90
Cobalt	11.05
Europium	-0.40
Gold ppb	9450.00
Hafnium	0.64
Iridium ppb	-12.20
Iron %	2.09
Lanthanum	2.33
Lutetium	0.14
Molybdenum	21.70
Nickel	-100.00
Rubidium	1615.00
Samarium	1.26
Scandium	7.13
Selenium	-4.49
Sodium %	1.22
Tantalum	-0.50
Tellurium	nr
Terbium	-0.50
Thorium	-0.25
Tin	-100.00
Tungsten	-1.00
Uranium	-0.50
Ytterbium	0.60
Zinc	-50.00
Zirconium	nr
Calcium%	nr
Potassium %	nr
Silver	26.60
Mercury	nr
Neodymium	-7.64
Strontium	-11.90

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Website http://www.geostats.com.au

G306-3

Geostats Pty Ltd, Certified Gold Reference Material, Product Code :

GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Gold Reference Material Product Code

G399-2

Certified Control Values

50 gram Fire Assay

Gold Grade	1.46 ppm
Standard Deviation	0.09 ppm
Confidence Interval	+/- 0.018 ppm

Aqua Regia Digest

Gold Grade	1.44 ppm
Standard Deviation	0.09 ppm
Confidence Interval	+/- 0.022 ppm

CRM Details

Control Statistic Details

Control statsitics were produced from results accumulated in the :

April-1999	Geostats Pty Ltd Laboratory Round Robin Program.
100	laboratories tested this material using 50 gram Fire Assay.
66	laboratories tested it using an Aqua Regia Technique.
1	laboratories tested this material using Neutron Activation Analysis.

Source Material

Prior to homogenisation and testing, this material was sourced from
Oxides in the Kalgoorlie Region

Colour Designation

Pinkish gray

Usage

This product is for use in the mining industry as reference materials for monitoring and testing the accuracy of laboratory assaying.

Preparation and Packaging

All standards are dried in an oven for a minimum of 12 hours at 110C. The dry material is then pulverised to better than 75 micron (nominal mean of 45 micron) using an Air Classifier. The material is then homogenised and stored in a sealed, stable container ready for final packaging.

Materials are statistically sampled from stores, then packaged into either heat sealed, air tight, plastic pulp packets or screw top sealed plastic containers ready for distribution. All packaging has been chosen to ensure minimal contamination from outside sources during shipment, use and storage.

Assay Testwork

All standards are tested thoroughly in the Geostats bi-annual laboratory survey. This involves assaying by a minimum of 50 reputable laboratories selected from across the world. Results are compiled into a comprehensive report detailing statistics for each standard. Assay distributions are checked and processed statistically, producing monitoring statistics for these standards. Materials are tested regularly to ensure stability and homogeneity.

Neutron Activation Analysis Results (ppm)	
Antimony	2.59
Arsenic	73.19
Barium	125.70
Bromine	-1.00
Cadmium	nr
Cerium	14.83
Caesium	26.10
Chromium	241.30
Cobalt	23.43
Europium	-0.50
Gold ppb	1430.00
Hafnium	13.87
Iridium ppb	-20.00
Iron %	1.98
Lanthanum	7.71
Lutetium	-0.20
Molybdenum	-5.00
Nickel	nr
Rubidium	968.40
Samarium	1.20
Scandium	3.32
Selenium	-5.00
Sodium %	1.30
Tantalum	2.41
Tellurium	-5.00
Terbium	nr
Thorium	2.20
Tin	nr
Tungsten	9.28
Uranium	-2.00
Ytterbium	0.73
Zinc	171.70
Zirconium	738.80
Calcium%	-1.00
Potassium %	3.60
Silver	-5.00
Mercury	nr
Neodymium	nr
Strontium	nr

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Website http://www.geostats.com.au

G399-2

Geostats Pty Ltd, Certified Gold Reference Material, Product Code :

GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Gold Reference Material Product Code

G399-4

Certified Control Values

50 gram Fire Assay

Gold Grade	4.78 ppm
Standard Deviation	0.21 ppm
Confidence Interval	+/- 0.043 ppm

Aqua Regia Digest

Gold Grade	4.61 ppm
Standard Deviation	0.22 ppm
Confidence Interval	+/- 0.054 ppm

CRM Details

Control Statistic Details

Control statsitics were produced from results accumulated in the :

April-1999	Geostats Pty Ltd Laboratory Round Robin Program.
96	laboratories tested this material using 50 gram Fire Assay.
66	laboratories tested it using an Aqua Regia Technique.
1	laboratories tested this material using Neutron Activation Analysis.

Source Material

Prior to homogenisation and testing, this material was sourced from Composite Transition ores in the Eastern Goldfields

Colour Designation

Pale yellowish brown

Usage

This product is for use in the mining industry as reference materials for monitoring and testing the accuracy of laboratory assaying.

Preparation and Packaging

All standards are dried in an oven for a minimum of 12 hours at 110C. The dry material is then pulverised to better than 75 micron (nominal mean of 45 micron) using an Air Classifier. The material is then homogenised and stored in a sealed, stable container ready for final packaging.

Materials are statistically sampled from stores, then packaged into either heat sealed, air tight, plastic pulp packets or screw top sealed plastic containers ready for distribution. All packaging has been chosen to ensure minimal contamination from outside sources during shipment, use and storage.

Assay Testwork

All standards are tested thoroughly in the Geostats bi-annual laboratory survey. This involves assaying by a minimum of 50 reputable laboratories selected from across the world. Results are compiled into a comprehensive report detailing statistics for each standard. Assay distributions are checked and processed statistically, producing monitoring statistics for these standards. Materials are tested regularly to ensure stability and homogeneity.

Neutron Activation Analysis Results (ppm)	
Antimony	5.22
Arsenic	436.67
Barium	-100.00
Bromine	2.11
Cadmium	nr
Cerium	36.17
Caesium	8.16
Chromium	339.30
Cobalt	115.35
Europium	0.63
Gold ppb	4997.00
Hafnium	14.90
Iridium ppb	-20.00
Iron %	5.87
Lanthanum	18.34
Lutetium	0.23
Molybdenum	-5.00
Nickel	nr
Rubidium	257.90
Samarium	3.08
Scandium	11.53
Selenium	-5.00
Sodium %	0.90
Tantalum	2.12
Tellurium	-5.00
Terbium	nr
Thorium	5.98
Tin	nr
Tungsten	51.15
Uranium	-2.00
Ytterbium	1.51
Zinc	319.30
Zirconium	771.10
Calcium%	1.90
Potassium %	1.14
Silver	-5.00
Mercury	nr
Neodymium	nr
Strontium	nr

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G399-4

Geostats Pty Ltd, Certified Gold Reference Material, Product Code :

SMEE & ASSOCIATES CONSULTING LTD.
CONSULTING GEOCHEMISTRY / GEOLOGY

Certificate of Analysis

Mike Lake Standard ML-1

Element	Certified Mean	Two Standard Deviations (between lab)
Tot. Cu	0.082 %	0.008 %
Tot As	0.965 %	0.072 %
FA Au	0.332 g/t	0.026 g/t

Element	Indicated Mean
Tot. Ag	2.7 ppm
Tot. W	19 ppm

Means and standard deviations were calculated from data supplied by five laboratories using a four acid digestion and an ICP-ES or AAS finish for Total Cu, As, and Ag and a combination of a total digestion or XRF for W, and fire assay with instrument finish for Au where reported.

The participating laboratories were:
ALS Chemex Brisbane
ALS Chemex, Vancouver
Acme, Vancouver
OMAC, Ireland
Genalysis, Perth

The final limits were calculated after first determining if all data was compatible within a spread normally expected for similar analytical methods done by reputable laboratories. This was done by using a Student's t test of means where a laboratory was removed from the data base if failing the t test. The means and standard deviations from the remaining data were calculated. Any analysis that fell outside of the mean ± 2SD was removed from the ensuing data base. The mean and standard deviations were again calculated using the remaining data (shown as the 1st Iteration in the attached Excel spreadsheets). The final standard deviation is known as the "Between Lab" deviation, and can be used to monitor accuracy of a single analysis.

Elements are certified if the Relative Standard Deviation (RSD) is near 5 % or less. Elements that have a RSD of between 5 % and 15 % are given a Provisional mean and elements that have a RSD of more than 15 %, or have insufficient data are not certified but given an Indicated Mean.

Smee and Associates Consulting Ltd.
4658 Capilano Rd. North Vancouver, B.C., Canada, V7R 4K3
Tel: 604-929-0667; Fax: 604-929-0662
e-mail: bwsmee@geochemist.com
web site: www.geochemist.com

The bulk standards were prepared and packaged by CDN Labs of Delta B.C. Each bulk sample was pulverized in a large rod mill, screened through 200 mesh using an electric sieve, and homogenized in a large rotating mixer. Each set of 20 standard packages were sealed in plastic to prevent gravity separation and oxidation.

Certified by:

Barry W. Smee, Ph.D., P.Geo.

Smee and Associates Consulting Ltd.
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Tel: 604-929-0667; Fax: 604-929-0662
e-mail: bwsmee@geochemist.com
web site: www.geochemist.com

SMEE & ASSOCIATES CONSULTING LTD.
CONSULTING GEOCHEMISTRY / GEOLOGY

Certificate of Analysis

Mike Lake Standard ML-5

Element	Certified Mean	Two Standard Deviations (between lab)
Tot. Cu	0.427 %	0.026 %
Tot As	0.99 %	0.08 %
FA Au	2.43 g/t	0.13 g/t
Tot. W	1678 ppm	51 ppm

Element	Provisional Mean	Two Standard Deviations (between lab)
Tot. Ag	9.0 ppm	1.3 ppm

Means and standard deviations were calculated from data supplied by five laboratories using a four acid digestion and an ICP-ES or AAS finish for Total Cu, As, and Ag and a combination of a total digestion or XRF for W, and fire assay with instrument finish for Au where reported.

The participating laboratories were:
ALS Chemex Brisbane
ALS Chemex, Vancouver
Acme, Vancouver
OMAC, Ireland
Genalysis, Perth

The final limits were calculated after first determining if all data was compatible within a spread normally expected for similar analytical methods done by reputable laboratories. This was done by using a Student's t test of means where a laboratory was removed from the data base if failing the t test. The means and standard deviations from the remaining data were calculated. Any analysis that fell outside of the mean ± 2SD was removed from the ensuing data base. The mean and standard deviations were again calculated using the remaining data (shown as the 1st Iteration in the attached Excel spreadsheets). The final standard deviation is known as the "Between Lab" deviation, and can be used to monitor accuracy of a single analysis.

Smee and Associates Consulting Ltd.
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Elements are certified if the Relative Standard Deviation (RSD) is near 5 % or less. Elements that have a RSD of between 5 % and 15 % are given a Provisional mean and elements that have a RSD of more than 15 %, or have insufficient data are not certified but given an Indicated Mean.

The bulk standards were prepared and packaged by CDN Labs of Delta B.C. Each bulk sample was pulverized in a large rod mill, screened through 200 mesh using an electric sieve, and homogenized in a large rotating mixer. Each set of 20 standard packages were sealed in plastic to prevent gravity separation and oxidation.

Certified by:

Barry W. Smee, Ph.D., P.Geo.

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APPENDIX V

GEOPHYSICAL REPORT BY GEOTECH LTD.

REPORT ON A HELICOPTER-BORNE Z-AXIS TIPPER ELECTROMAGNETIC (ZTEM) AND AEROMAGNETIC GEOPHYSICAL SURVEY

Rau Block
Alexis Creek British Columbia

For:
ATAC Resources Ltd.

By:

Geotech Ltd.
245 Industrial Parkway North
Aurora, Ont., CANADA, L4G 4C4
Tel: 1.905.841.5004
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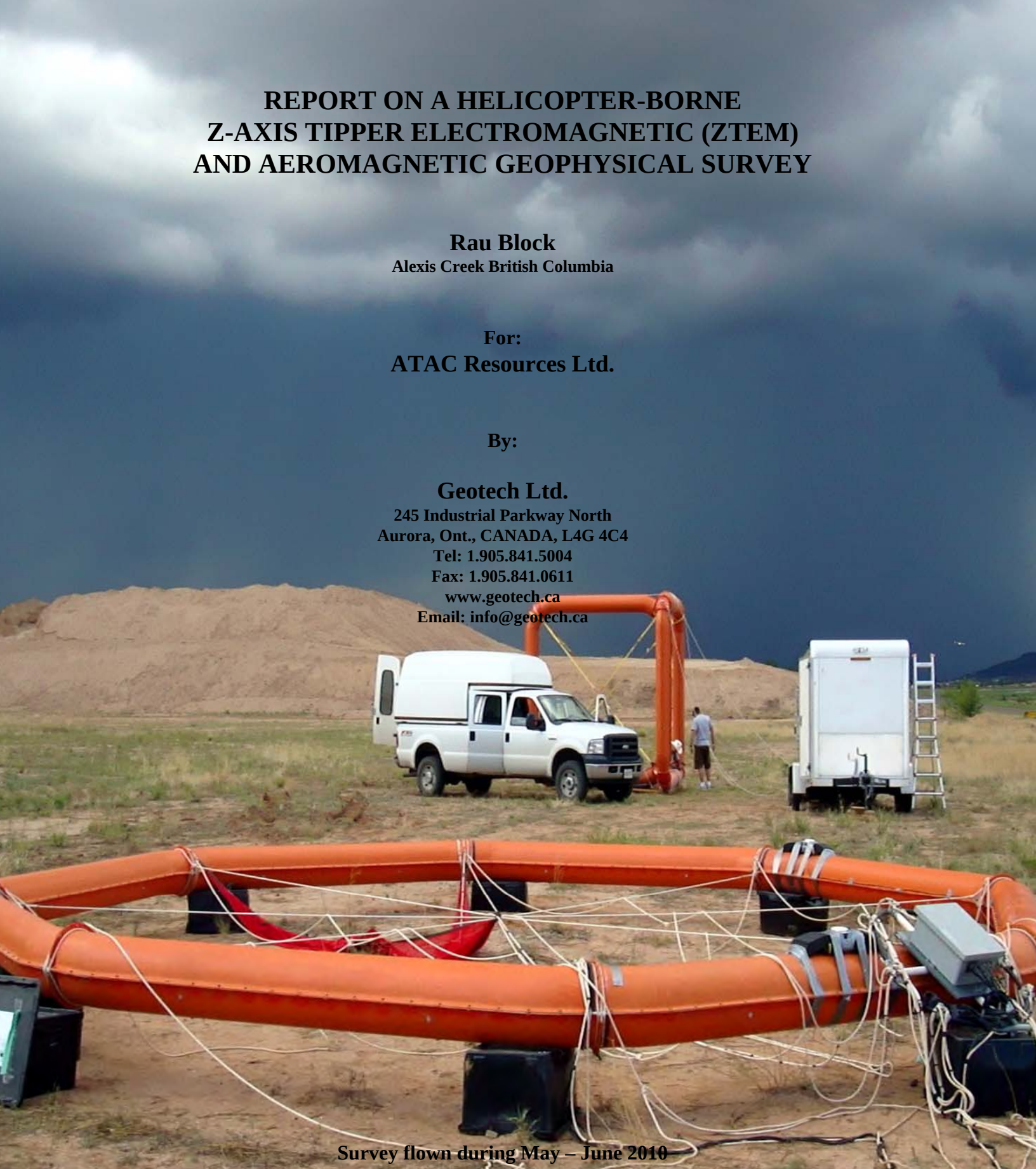

Survey flown during May – June 2010
Project 10104
June, 2010

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REPORT ON A HELICOPTER-BORNE Z-AXIS, TIPPER ELECTROMAGNETIC GEOPHYSICAL SURVEY

Rau Block
Mayo, Yukon

Executive Summary

During May 27th to June 6th, 2010 Geotech Ltd. carried out a helicopter-borne geophysical survey for ATAC Resources Ltd. over the Rau Block situated near Mayo, Yukon Canada.

Principal geophysical sensors included a Z-Axis Tipper electromagnetic (ZTEM) system, and a caesium magnetometer. Ancillary equipment included a GPS navigation system and a radar altimeter. A total of 331 line-kilometres were planned to be flown.

The survey operations were based out of the town of Mayo, Yukon. In-field data quality assurance and preliminary processing were carried out on a daily basis during the acquisition phase. Preliminary and final data processing, including generation of final digital data and map products were undertaken from the office of Geotech Ltd. in Aurora, Ontario.

The survey report describes the procedures for data acquisition, processing, final image presentation and the specifications for the digital data set. There is no summary interpretation included in this report.

1. INTRODUCTION

1.1 General Considerations

These services are the result of the Agreement made between Geotech Ltd. and ATAC Resources Ltd to perform a helicopter-borne geophysical survey over the Rau Block located near Mayo Yukon, Canada (Figure 1).

Graham Downs acted on behalf of ATAC Resources Ltd. during the data acquisition and data processing phases of this project.

The geophysical surveys consisted of helicopter borne AFMAG Z-axis Tipper electromagnetic (ZTEM) system and aero magnetics using a caesium magnetometer. A total of 332 line kilometres of geophysical data were acquired during the survey. The survey area is shown in Figure 2.

In a ZTEM survey, a single vertical-dipole air-core receiver coil is flown over the survey area in a grid pattern, similar to regional airborne EM surveys. Two orthogonal, air-core horizontal axis coils are placed close to the survey site to measure the horizontal EM reference fields. Data from the three coils are used to obtain the Z/X and Z/Y Tipper (Vozoff, 1972) components at six frequencies in the 30 to 720 Hz band. The ZTEM was used to map geology using resistivity contrasts and magnetometer data were also collected to help map geology using magnetic susceptibility contrasts.

Figure 1 -Property Location

The crew was based in Mayo, Yukon, for the acquisition phase of the survey. Survey flying started on May 27th and was completed on June 6th, 2010.

Data quality control and quality assurance, and preliminary data processing were carried out on a daily basis during the acquisition phase of the project. Final reporting, data presentation and archiving were completed from the Aurora office of Geotech Ltd. in June, 2010.

1.2 Survey Location

The Block is located approximately 94 kilometres to the northeast of Mayo, Yukon as shown in Figure 2.

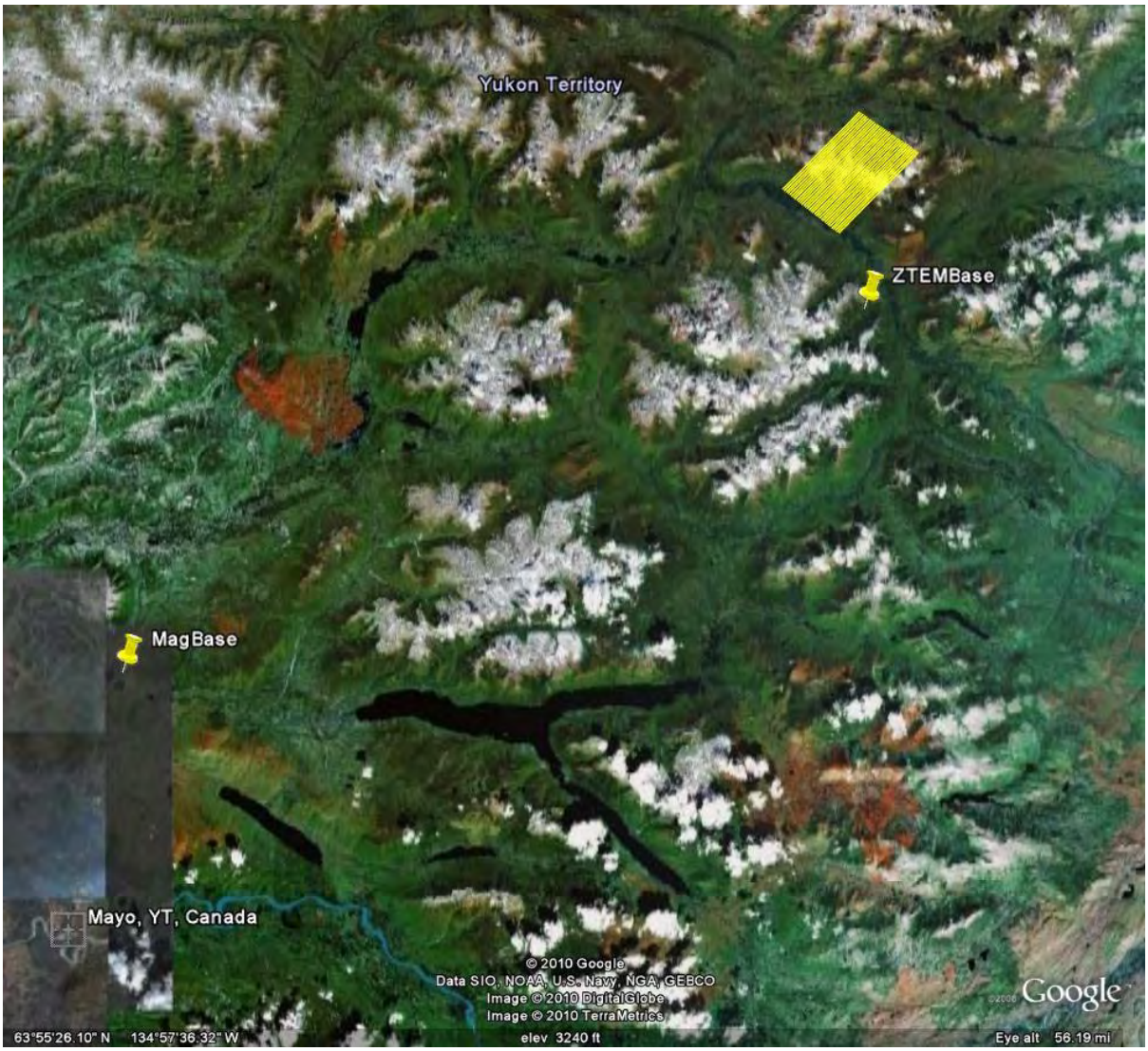

Figure 2 – The Block, with ZTEM and Magnetic Base Station Locations

The block was flown in a Southwest to Northeast (N 45° E / N 225° E) direction, with a flight line spacing of 200 metres, as depicted in Figure 3. Tie lines were neither planned nor flown. For more detailed information on the flight spacing and direction see Table 1.

1.3 Topographic Relief and Cultural Features

The Block exhibits a high relief covering 65.2 square kilometres, with an elevation ranging from 649 to 1764 meters above sea level (see Figure 3). The survey area has no visible signs of culture such as, roads, trails and buildings throughout the survey. There are also numerous river and streams which connect various lakes and wetlands. Special care is recommended in identifying any other potential cultural features from other sources that might be recorded in the data. The survey block covers a number of Yukon Mining Claims, which are shown in Appendix A. The survey block is covered by NTS (National Topographic Survey) of Canada sheets 106D07, 106D08, 106D02, and 106D01.

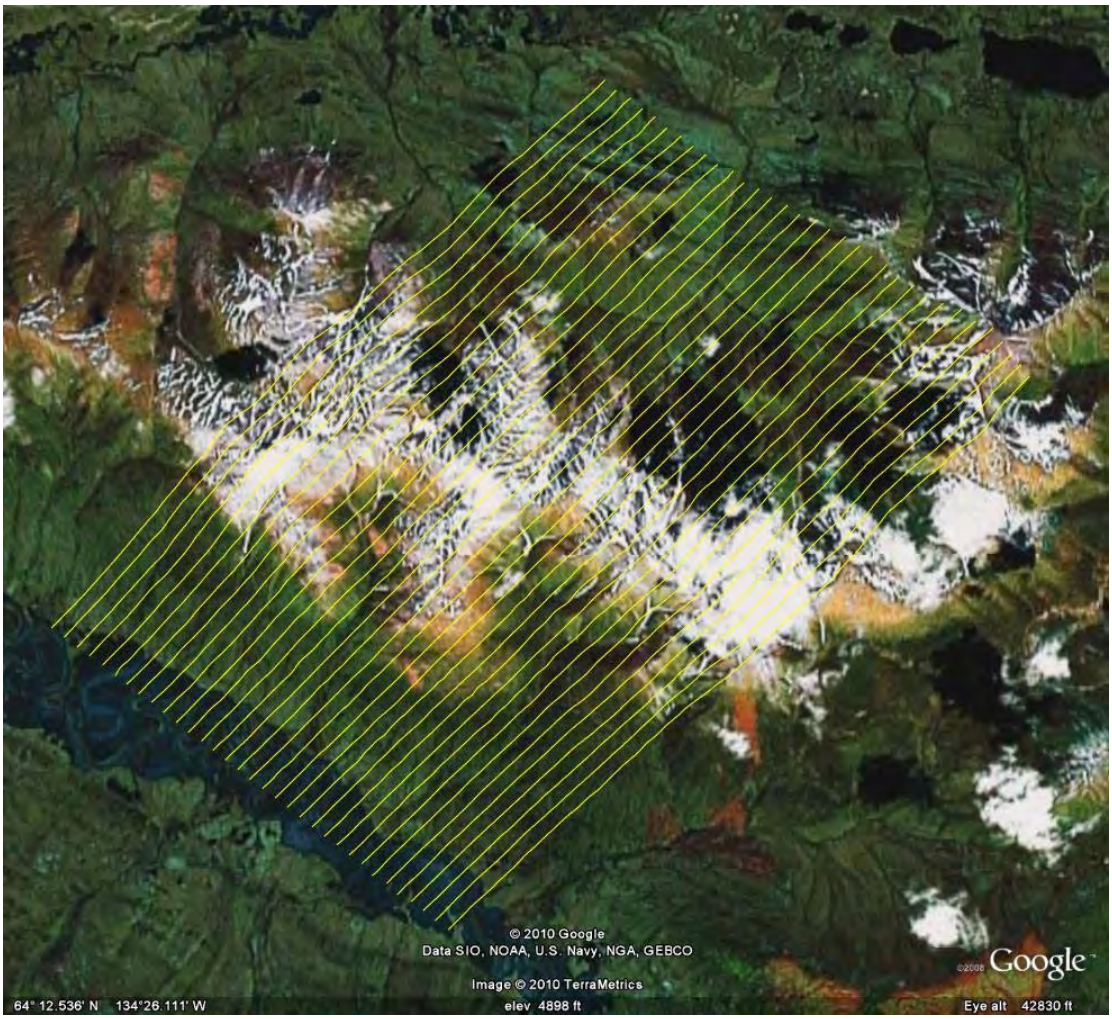

Figure 3 – Google Earth image of the block

2. DATA ACQUISITION

2.1 Survey Area

The survey block (see Location map in Appendix A and Figure 2) and general flight specifications are as follows:

Table 1 - Survey Specifications

Survey block	Traverse Line spacing (m)	Area (Km^2)	Planned Line-km	Actual[1] Line-km	Flight direction	Line numbers
Block	Traverse: 200	65.2	331.	332.9	N 45° E / N 225° E	L1000 – L1320
	Tie: n/a				n/a	n/a
TOTAL		**65.2**	**331**	**332.9**		

Survey block boundaries co-ordinates are provided in Appendix B.

2.2 Survey Operations

p

Survey operations were based out of Mayo, Yukon on May 27th to June 6th, 2010. The following table shows the timing of the flying.

Table 2 - Survey schedule

Date	Flight #	Block	Crew location	Comments
5-27-2010			Mayo Yukon	System Installation
5-28-2010	1,2,3	331	Mayo Yukon	Production
5-29-2010			Mayo Yukon	Technical issues
5-30-2010			Mayo Yukon	Technical issues
5-31-2010			Mayo Yukon	Technical issues
6-01-2010			Mayo Yukon	Technical issues
6-02-2010			Mayo Yukon	Technical issues
6-03-2010			Mayo Yukon	Re-flights
6-04-2010			Mayo Yukon	Job Complete

[1] Actual line-km represents the total line-km contained in the final databases. These line-km normally exceed the Planned line-km's, as indicated in the survey NAV files.

2.3 Flight Specifications

During the survey the helicopter was maintained at a mean height of 228 metres above the ground with a nominal survey speed of 80 km/hour for the survey block. This allowed for a nominal EM sensor terrain clearance of 154 metres and a magnetic sensor clearance of 171 metres.

The output data sampling rate from the acquisition program was 0.4 second for electromagnetics, 0.1 second for magnetometer and 0.2 second for altimeter and GPS. This translates to electromagnetic readings at approximately 10m intervals and magnetic readings roughly every 2 to 5 metres along flight track. Navigation was assisted by a CDGPS receiver and data acquisition system, which reports GPS co-ordinates as latitude/longitude and directs the pilot over a pre-programmed survey flight path.

The operator was responsible for monitoring of the system integrity. He also maintained a detailed flight log during the survey, tracking the times of the flight as well as any unusual geophysical or topographic feature.

On return of the aircrew to the base camp the survey data was transferred from a compact flash card (PCMCIA) to the data processing computer. The data were then uploaded via ftp to the Geotech office in Aurora for daily quality assurance and quality control by trained personnel, operating remotely.

2.4 Aircraft and Equipment

2.4.1 Survey Aircraft

The survey was flown using a Eurocopter Aerospatiale (Astar) 350 B3 helicopters, registration number C-FEDS. The helicopters were owned and operated by Geotech Aviation. Installation of the geophysical and ancillary equipment was carried out by Geotech Ltd.

2.4.2 Airborne Receiver

The airborne ZTEM receiver coil measures the vertical component (Z) of the EM field. The receiver coil is a Geotech Z-Axis Tipper (ZTEM) loop sensor which is isolated from most vibrations by a patented suspension system and is encased in a fibreglass shell. It is towed from the helicopter using a 90 metre long cable as shown in Figure 4. The cable is also used to transmit the measured EM signals back to the data acquisition system.

The coil has a 7.4 metre diameter with an orientation to the Vertical Dipole. The digitizing rate of the receiver is 2000 Hz. Attitudinal positioning of the receiver coil is enabled using 3 GPS antennas mounted on the coil. The output sampling rate is 0.4 seconds (see Section 2.4.7)

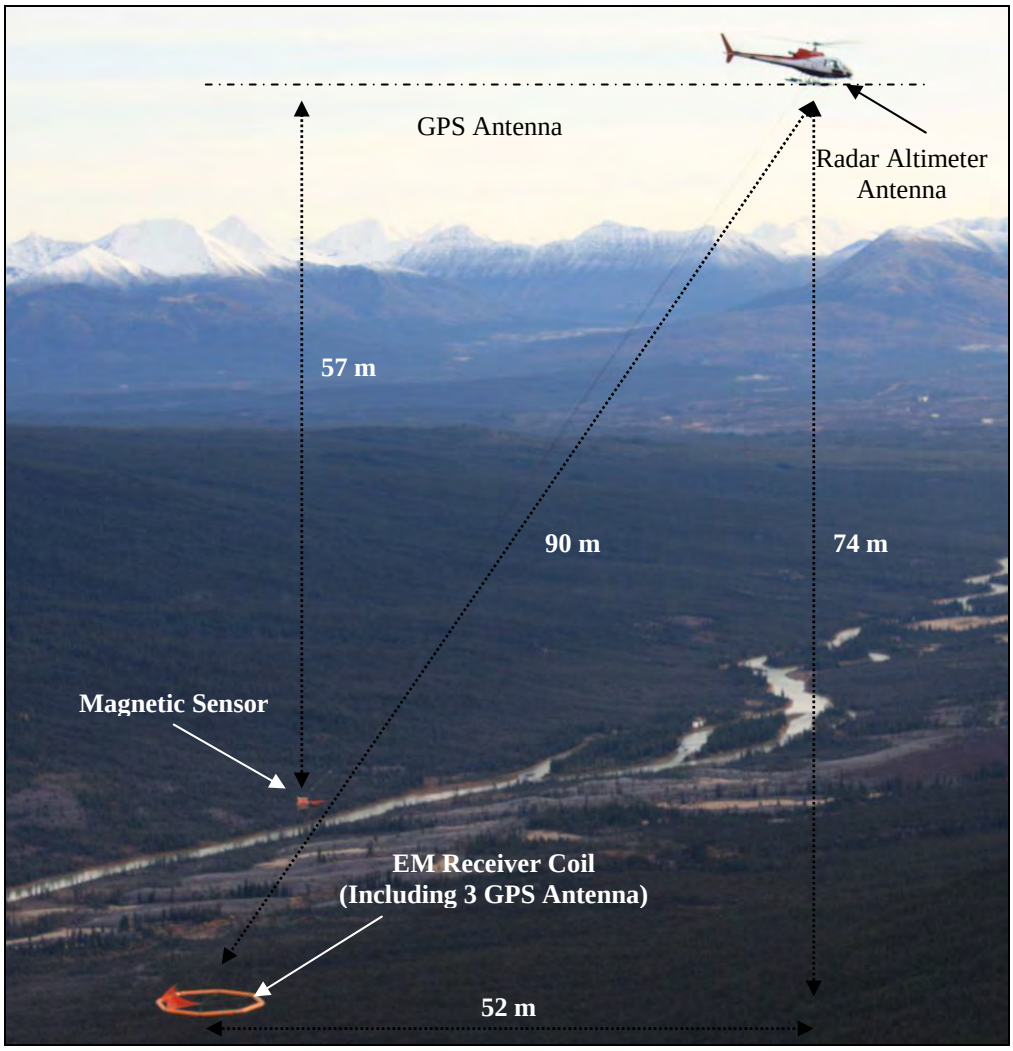

Figure 4 - ZTEM System Configuration

2.4.3 Base Station Receiver

The two Geotech ZTEM base station receiver coils measure the orthogonal, horizontal X and Y components of the EM reference field. They are set up perpendicular to each other and roughly oriented according to the flight line direction. The orientation of both units is not critical as the horizontal field can be further decomposed into the two orientations of the survey flight. The orientation of the base stations were measured using a compass.

The base station coils each have a diameter of 3.5 meters, with the coil orientations to the horizontal dipole, as shown in Figure 5.

The Block base station receiver coils were installed in a remote area outside the survey block (64°097' N, 134°420' W). The coils were oriented perpendicular to each other: Coil A was oriented at an N 358° E direction, with coil B oriented at an N 88° E direction.

Figure 5 - ZTEM base station receiver coils.

2.4.4 Airborne magnetometer

The magnetic sensor utilized for the survey was a Geometrics split-beam optically pumped caesium vapour magnetic field sensor, mounted in a separate bird, and towed on a cable at a mean distance of 57 metres below the helicopter (Figure 4). The sensitivity of the magnetic sensor is 0.02 nanoTesla (nT) at a sampling interval of 0.1 seconds. The magnetometer will perform continuously in areas of high magnetic gradient with the ambient range of the sensor approximately 20k-100k nT. The Aerodynamic magnetometer noise is specified to be less than 0.5 nT. The magnetometer sends the measured magnetic field strength as nanoTesla to the data acquisition system via the RS-232 port.

2.4.5 Radar Altimeter

A Terra TRA 3000/TRI 40 radar altimeter was used to record terrain clearance. The antenna was mounted beneath the bubble of the helicopter cockpit.

2.4.6 GPS Navigation System

The navigation system used was a Geotech PC104 based navigation system utilizing a NovAtel CDGPS (Canada-Wide Differential Global Positioning System Correction Service) enabled Propak V3-RT20 GPS receiver. Geotech's Navigate software, using a full screen display with controls in front of the pilot, allows him to direct the flight.

5 NovAtel GPS antennas are utilized during the survey; one is mounted on the helicopter tail (Figure 4), one installed with the Receiver Base Station (Figure 5) and three are mounted on the airborne receiver (Figure 4). As many as 14 GPS and two CDGPS satellites may be monitored at any one time. The horizontal positional accuracy or circular error probability (CEP) is 1.8 m, with CDGPS active, it is 0.6 m. The co-ordinates of the block were set-up prior to the survey and the information was fed into the airborne navigation system.

2.4.7 Digital Acquisition System

The power supply and the data acquisition system are mounted on an equipment rack which is installed into the helicopter. Signal and power wires are run through the helicopter to connect on to the tow cable outside. The tow cable supports the ZTEM and magnetometer birds during flight via a safety shear pin connected to the helicopter hook. The major power and data cables have a quick disconnect safety feature as well. The installation was undertaken by the Geotech Ltd. crew and was certified before surveying.

A Geotech data acquisition system recorded the digital survey data on an internal compact flash card. Data is displayed on an LCD screen as traces to allow the operator to monitor the integrity of the system. The data type and sampling interval as provided in Table 3.

Table 3 - Acquisition and Processing Sampling Rates

DATA TYPE	ACQUISITION SAMPLING	PROCESSING SAMPLING
ZTEM Receiver	0.0005 sec	0.4 sec
Magnetometer	0.1 sec	0.4 sec
GPS Position	0.2 sec	0.4 sec
Radar Altimeter	0.2 sec	0.4 sec
ZTEM Base station	0.0005 sec	– –

2.4.8 Mag Base Station

A combined magnetometer/GPS base station was utilized on this project. A Geometrics Caesium split-beam vapour magnetometer was used as a magnetic sensor with a sensitivity of 0.001 nT. The base station was recording the magnetic field together with the GPS time at 1 Hz on a base station computer.

The base station magnetometer sensors for the Block (63 48’ 14.8”N, 135 47’ 48.3”W) were installed behind the lodge away from electric transmission lines and moving ferrous objects such as motor vehicles. The base station data were backed-up to the data processing computer at the end of each survey day.

3. PERSONNEL

The following Geotech Ltd. personnel were involved in the project.

Field:

Project Manager:	Darren Tuck (Office)
Data QA/QC:	Rafael Coyoli (Ofice)
Crew chief:	Roger Leblanc
System Operators:	Brandon Gray

The survey pilot and the mechanical engineer were employed directly by the helicopter operator –Geotech Aviation Ltd.

Pilot:	Brad MacRae
Mechanical Engineer:	Tyler McLellan

Office:

Preliminary Data Processing:	Biljana Milicevic
Final Data Processing:	Biljana Milicevic
Final Data QC:	Jean Legault
Reporting/Mapping:	Wendy Acorn

Data acquisition phase was carried out under the supervision of Andrei Bagrianski, P. Geo, Surveys Manager. Processing phase was carried out under the supervision of Gord Smith, Manager of Data Processing. The Interpretation phase was under the supervision of Jean Legault, P. Geo. The overall contract management and customer relations were by Paolo Berardelli.

4. DATA PROCESSING AND PRESENTATION

Data compilation and processing were carried out by the application of Geosoft OASIS Montaj and programs proprietary to Geotech Ltd.

4.1 Flight Path

The flight path, recorded by the acquisition program as WGS 84 latitude/longitude, was converted into the WGS84, UTM Zone 10 North coordinate system in Oasis Montaj.

The flight path was drawn using linear interpolation between x, y positions from the navigation system. Positions are updated every second and expressed as UTM easting's (x) and UTM northing's (y).

4.2 In-field Processing and Quality Control

In-Field data processing and quality control are done on a flight by flight basis by a qualified data processor (see Section 3.0). Processing steps and check up procedures are designed to assure the best possible final quality of ZTEM survey data. A general overview of those steps is presented in the following paragraphs.

The In-Field quality control can be separated into several phases:

a. GPS Processing Phase: GPS Data are first examined and evaluated during the GrafMov processing.
b. Raw data, ZTEM viewer phase:

   Data can be viewed, examined for consistency, individual channel spectra examined and overall noise estimated in the viewer provided by the ZTEM proprietary software, on the raw flight data and raw base station data separately, on the merged data, and finally on the data that have undergone ZTEM processing.
c. Field Geosoft phase:

   Magnetic data, Radar altimeter data, GPS positioning data are re-examined and processed in this phase. Prior to splitting the lines EM data are examined flight by flight and the effectiveness of applying the attitude correction evaluated. After splitting the lines, a set of grids are generate for each parameter and their consistency evaluated. Data profiles are also re-evaluated on a line to line basis. A power line monitor channel is available in order to identify power line noise.

4.3 GPS Processing

Three GPS sensor (mounted on the airborne receiving loop) measurements were differentially corrected using the Waypoint GrafMov^{TM} software in order to yield attitude corrections to recorded EM data.

4.4 ZTEM Electromagnetic Data

The ZTEM data were processed using proprietary software. Processing steps consist of the following preliminary and final processing steps:

4.4.1 Preliminary Processing

a. Airborne EM, Mag, radar altimeter and GPS data are first merged with EM base station data into one file.
b. Merged data are viewed and examined for consistency in an incorporated viewer
c. In the next, processing phase, the following entities are taken into account:
   - the Base station coils orientation with respect to the Magnetic North,
   - the Local declination of the magnetic field,
   - Suggested direction of the X coordinate (North or line direction),
   - Sensitivity coefficient that compensates for the difference in geometry between the base station and airborne coils.
   - Rejection filters for the 60 Hz and helicopter generated frequencies.
d. Six frequencies (In phase and Quadrature components) are extracted from the airborne EM coil response in the windows of 0.4 seconds and the base station coils in the windows of 1.0 seconds (30, 45, 90, 180, 360, and 720 Hz).
e. The ratios between the real parts (in phase) of the vertical Z component (airborne) over the horizontal X component (base station), and Z component over horizontal orthogonal Y component, as well as the ratios of their imaginary parts (quadrature), are calculated.
f. Such processed EM data are then merged with the GPS data, magnetic base station data and exported into a Geosoft xyz file.

4.4.2 Geosoft Processing

Next stage of the preliminary data processing is done in a Geosoft ™ environment, using the following steps:

a. Import the output xyz file from the AFMAG processing, as well as the base Mag data into one database.
b. Split lines according to the recorded line channel,
c. GPS processing, flight path recovery (correcting, filtering, calculating Bird GPS coordinates, line splitting)
d. Radar altimeter processing, yielding the altitude values in metres.
e. Magnetic spike removal, filtering (applied to both airborne and base station data). Calculation of a base station corrected mag.
f. Apply preliminary attitude corrections to EM data (In phase and Quadrature), filter and make preliminary grids and profiles of all channels.

4.4.3 Final Processing

Final data processing and quality control were undertaken by Geotech Ltd headquarters in Aurora, Ontario by qualified senior data processing personnel.

A quality control step consisted of re-examining all data in order to validate the preliminary data processing and to allow for final adjustments to the data.

Attitude corrections were re-evaluated, and re-applied, on component by component, flight by flight, and frequency by frequency bases. Any remaining line to line system noise was removed by applying a mild additional levelling correction.

4.4.4 ZTEM Profile Sign Convention

Z/X and Z/Y components do not exhibit maxima or minima above conductors, resistors or at contacts; in fact they produce cross-over type anomalies (Ward, 1959). The crossover polarity sign convention for ZTEM is according to the right hand Cartesian rule (Z positive –up) that is commonly used for multi-component transient electromagnetic methods.

For the Northeast Southwest lines at the Block the sign convention for the Z/X in-line component crossover is positive-negative pointing southwest to northeast for tabular conductors perpendicular to the profile (Figure 6). The corresponding Z/Y component in-phase cross-over polarity is positive-negative pointing southeast to northwest (90 degrees counter clockwise to Z/X) according to the right hand Cartesian rule.

Conversely, tabular resistive bodies produce In-Phase cross-over's that are opposite in sign to conductors. A brief discussion of ZTEM and AFMAG, along with selected forward model responses is presented in Appendix D.

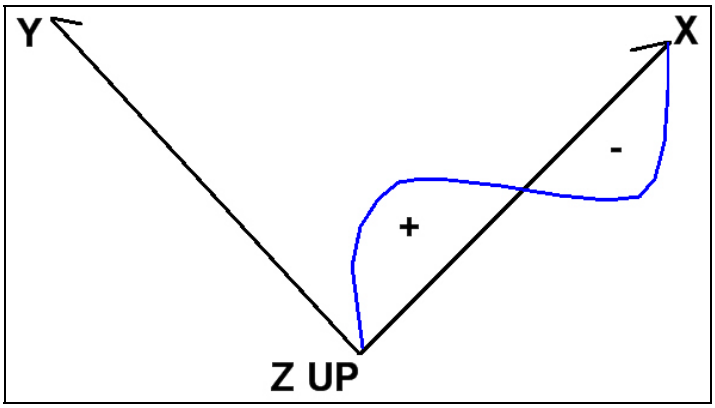

Figure 6 - ZTEM Crossover Polarity Convention of the Block

4.4.5 ZTEM Quadrature Sign Dependence

One important note regarding the sign of the ZTEM Quadrature, relative to the In-Phase component, particularly with regards to computer modeling and inversion.

The sign of the magnetotelluric Quadrature relative to the In-Phase tipper transfer function component pertains to the Fourier transformation of the time series to give frequency domain spectra. There are two widely used conventions for time dependence in the transformations, **exp(+iωt)** and **exp(-iωt).** That which is implemented largely is a matter of personal preference and precedent. The importance of the In-Phase and Quadrature sign convention is not critical, provided that it is known and documented.

In ZTEM, the data processing code used for the Fourier transformation the time-series data to frequency domain spectra adopts a **exp(-iωt)** time dependence (J. Dodds, Geo Equipment Manufacturing, pers. comm., Nov-2009). Whereas in the forward modeling and inversion program Zvert2d, the sign of the Quadrature relative to the In-Phase transfer function assumes an **exp(+iωt)** dependence[2].

The reasons for adopting $\mathbf{e^{-i\omega t}}$ used in ZTEM are several: a) In-phase and Quadrature profile and contour plan maps can be readily compared, since they are usually in the same-sign and quadrant (i.e.Figure 7); b) Phase-rotation and Total Divergence (DT) parameters need not be changed when comparing In-Phase versus Quadrature data.

As a result, for users interested in computer modeling and inversion of ZTEM data, the sign of the Quadrature will need to be reversed, relative to the In-Phase component, in order to provide a proper result (Figure 7). Indeed this reverse Quadrature polarity convention is assumed in all forward modeling and inversion of ZTEM data, as described in Figures 5-7 in Appendix D.

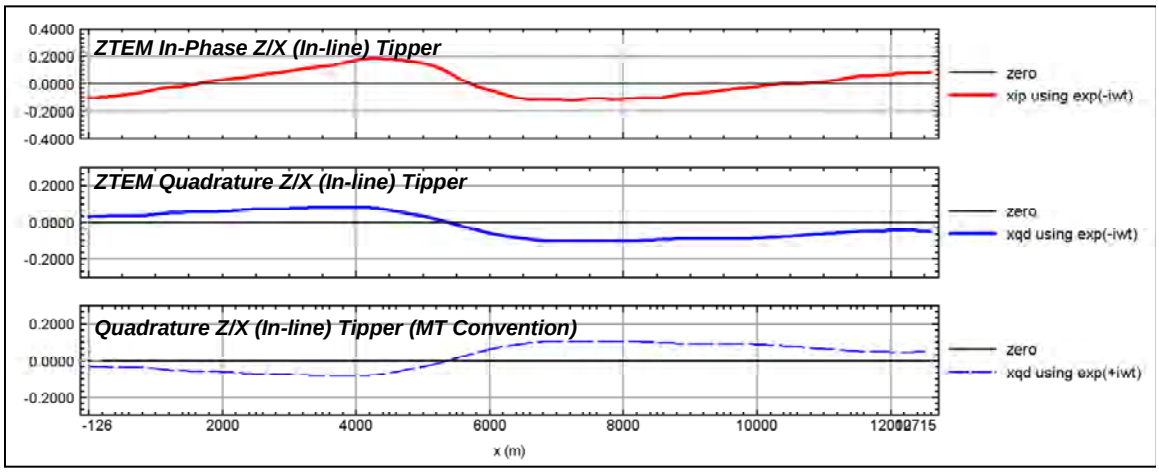

Figure 7 - Illustration of ZTEM In-Phase & Quadrature Tipper transfer function polarity convention (e-iωt) relative to equivalent MT Tipper Quadrature polarity convention (e+iωt) for a graphitic conductor in Athabasca Basin, SK.

2 Phillip E. Wannamaker (2009): Two-dimensional Inversion of ZTEM data: Synthetic Model Study and Test Profile Images, Internal Geotech technical report by Emblem Exploration Services Inc., January 22, 2009, 32 pp.

4.4.6 Total Divergence and Phase Rotation Processing

In a final processing step DT (Total Divergence) and PR (Phase Rotation) processing are applied to the multi-frequency In-phase and Quadrature ZTEM data. This is due to the crossover nature of the Tipper Responses; these additional processing steps are applied to convert them into local maxima for easier interpretation.

To present the data from both tipper components into one image, the Total Divergence parameter, termed the DT is calculated from the horizontal derivatives of the Z/X and Z/Y tippers (Lo and Zang, 2008). It is analogous to the "Peaker" parameter in VLF (Pedersen, 1998).

Total Divergence DT:	***DT = DIV (Z/X, Z/Y)*** ***= d(Z/X)/dx+d(Z/Y)/dy***

This DT parameter was introduced by Petr Kuzmin (Milicevic, 2007, p. 13) and is derived for each of the In Phase and Quadrature components at individual frequencies. These in turn allow for minima over conductors and maxima over resistive zones. DT grids for each of the extracted frequencies were generated accordingly, using a reverse colour scheme with warm colours over conductors and cool colours over resistors.

The DT gives a clearer image of conductor's location and shape but, as a derivative, it does not preserve some of the long wavelength information and is also sensitive to noise.

As an alternative, a 90 degree Phase Rotation (PR) technique is also applied to the grids of each individual component (Z/X and Z/Y). It transforms bipolar (cross over) anomalies into single pole anomalies with a maximum over conductors, while preserving long wavelength information (Lo et al., 2009). The two orthogonal grids are then usually added to obtain a Total Phase Rotated grid for the In-Phase and Quadrature.

Total Phase-Rotation:	***= PR (Z/X) + PR (Z/Y)***

A presentation of the ZTEM test survey results over unconformity uranium deposits that illustrates DT and TPR examples, as documented by Lo et al. (2009) is provided in Appendix E.

4.4.7 2D EM Inversion

2d inversions of the ZTEM results were performed over selected lines using the Geotech Zvert2d software developed by Phil Wannamaker, U. of Utah, for Geotech Ltd. The inversion algorithm is based on the 2D inversion code with Jacobians of de Lugao and Wannamaker (1996), the 2D forward code of Wannamaker et al (1987), and the Gauss-Newton parameter step equations of Tarantola (1987). Zvert2d has been developed/modified for use with our ZTEM platform by taking into account the 75-80m air-layer between radar bird and ground surface.

The 2D code only considers the In-Line (Z/X) data and assumes that the strike lengths of bodies are infinite and orthogonal to the profile. The code is designed to account for the ZTEM vertical coil receiver and fixed base station reference measurements – although this option was not used in this study. The inversion uses a model-mesh consisting of 440 cells laterally and 62 cells vertically. Typically the ZTEM data are de-sampled to 180-200 pts, in order to allow the inversion to run in 10minutes or less. Typically, between 1-2% errors are added to the In-line in-phase (XIP) and Quadrature (XQD) data obtained at 30,45,90,180,360 & 720Hz. Errors are adjusted until numerical convergence (<1.0 rms) is attained in 8 iterations or less. All inversions are based on a 1k ohm-m homogeneous starting half-space model.

4.5 Magnetic Data

The processing of the total magnetic field intensity (TMI) data involved the correction for diurnal variations by using the digitally recorded ground base station magnetic values. The base station magnetometer data was edited and merged into the Geosoft GDB database on a daily basis. The aeromagnetic data was corrected for diurnal variations by subtracting the observed magnetic base station deviations.

Due to the absence of tie-lines, further tie-line or micro levelling were not applied to the magnetic data.

The corrected magnetic data was interpolated between survey lines using a random point gridding method to yield x-y grid values for a standard grid cell size of 50 metres. The Minimum Curvature algorithm was used to interpolate values onto a rectangular regular spaced grid.

5. DELIVERABLES

5.1 Survey Report

The survey report describes the data acquisition, processing, and final presentation of the survey results. The survey report is provided in two paper copies and digitally in PDF format.

5.2 Maps

Final maps were produced at scale of 1:20,000. The coordinate/projection system used was WGS84, UTM Zone 8 North. All maps show the flight path trace and topographic data; latitude and longitude are also noted on maps.

The preliminary and final results of the survey are presented as profile plans for the EM data that were generated for individual real (In-Phase) and imaginary parts (Quadrature) of the Z/X and Z/Y components. Colour contour maps of the corresponding TPR (Total Phase Rotated) Grids for three of the six frequencies, (30, 45, 90, 180, 360 and 720Hz), as well as for corresponding Phase Rotated Grids for individual components.

3D views have been constructed by plotting the DT and TPR grids at their respective penetration depths using a 1000 ohm-m half space, using the Bostick skin depth rule (Murakami, 1985) see Appendix D.

Final maps were chosen, in consultation with the client, to represent all collected data, are listed in Section 5.3.

Sample maps of the related 3D view, Magnetic and Total Divergence are included in this report and presented in Appendix C.

5.3 Digital Data

- Two copies of the data and maps on DVD were prepared to accompany the report. Each DVD contains a digital file of the line data in GDB Geosoft Montaj.
- DVD structure.

  There are two (2) main directories;
  Data contains databases, grids and maps, as described below.
  Report contains a copy of the report and appendices in PDF format.

  Databases in Geosoft GDB format, containing the channels listed in Table 4.

Table 4 - Geosoft GDB Data Format

Column	Description
X:	UTM Easting WGS84 Zone 8, (Centre of the ZTEM loop) (meters)
Y:	UTM Northing WGS84 Zone 8 , (Centre of the ZTEM loop) (meters)
Longitude:	Longitude – WGS84 (Centre of the ZTEM loop) (Decimal degree)
Latitude	Latitude – WGS84 (Centre of the ZTEM loop) (Decimal degree)
Z:	Elevation- WGS84 (Centre of the ZTEM loop) (metres)
Radar:	Helicopter terrain clearance from radar altimeter (metres - AGL)
Radar_B:	Calculated ZTEM Bird terrain clearance (metres)
DEM	Digital Elevation Model (meters)
Gtime	GPS Time (seconds)
basemag	Base station mag
Mag1	Measured Total Magnetic Intensity, raw (de-spiked)
Mag2	Measured Total Magnetic Intensity, diurnal corrected
Mag3:	Levelled Total Magnetic field data
xIp_030Hz:	Z/X In-Phase 30 Hz final corrected
xIp_045Hz:	Z/X In-Phase 45 Hz final corrected
xIp_090Hz:	Z/X In-Phase 90 Hz final corrected
xIp_180Hz:	Z/X In-Phase 180 Hz final corrected
xIp_360Hz:	Z/X In-Phase 360 Hz final corrected
xIp_720Hz:	Z/X In-Phase 720 Hz final corrected
xQd_030Hz:	Z/X Quadrature 30 Hz final corrected
xQd_045Hz:	Z/X Quadrature 45 Hz final corrected
xQd_090Hz:	Z/X Quadrature 90 Hz final corrected
xQd_180Hz:	Z/X Quadrature 180 Hz final corrected
xQd_360Hz:	Z/X Quadrature 360 Hz final corrected
xQd_720Hz:	Z/X Quadrature 720 Hz final corrected
yIp_030Hz:	Z/Y In-Phase 30 Hz final corrected
yIp_045Hz:	Z/Y In-Phase 45 Hz final corrected
yIp_090Hz:	Z/Y In-Phase 90 Hz final corrected
yIp_180Hz:	Z/Y In-Phase 180 Hz final corrected
yIp_360Hz:	Z/Y In-Phase 360 Hz final corrected
yIp_720Hz:	Z/Y In-Phase 720 Hz final corrected
yQd_030Hz:	Z/Y Quadrature 30 Hz final corrected
yQd_045Hz:	Z/Y Quadrature 45 Hz final corrected
yQd_090Hz:	Z/Y Quadrature 90 Hz final corrected
yQd_180Hz:	Z/Y Quadrature 180 Hz final corrected
yQd_360Hz:	Z/Y Quadrature 360 Hz final corrected
yQd_720Hz:	Z/Y Quadrature 720 Hz final corrected
PLM:	Power Line Monitor (60Hz)

- Grids in Geosoft GRD format, as follows:

MAG: Total Magnetic Intensity
DEM: Digital Elevation Model
XIP_30Hz_PR: Z/X In-Phase Component Phase Rotated grid at 30 Hz
XIP_45Hz_PR: Z/X In-Phase Component Phase Rotated grid at 45 Hz
XIP_90Hz_PR: Z/X In-Phase Component Phase Rotated grid at 90 Hz
XIP_180Hz_PR: Z/X In-Phase Component Phase Rotated grid at 180 Hz
XIP_360Hz_PR: Z/X In-Phase Component Phase Rotated grid at 360 Hz
XIP_720Hz_PR: Z/X In-Phase Component Phase Rotated grid at 720 Hz
XQd_30Hz_PR: Z/X Quadrature component Phase Rotated grid at 30 Hz
XQd_45Hz_PR: Z/X Quadrature component Phase Rotated grid at 45 Hz
XQd_90Hz_PR: Z/X Quadrature component Phase Rotated grid at 90 Hz
XQd_180Hz_PR: Z/X Quadrature component Phase Rotated grid at 180 Hz
XQd_360Hz_PR: Z/X Quadrature component Phase Rotated grid at 360 Hz
XQd_720Hz_PR: Z/X Quadrature component Phase Rotated grid at 720 Hz
YIP_30Hz_PR: Z/Y In-Phase Component Phase Rotated grid at 30 Hz
YIP_45Hz_PR: Z/Y In-Phase Component Phase Rotated grid at 45 Hz
YIP_90Hz_PR: Z/Y In-Phase Component Phase Rotated grid at 90 Hz
YIP_180Hz_PR: Z/Y In-Phase Component Phase Rotated grid at 180 Hz
YIP_360Hz_PR: Z/Y In-Phase Component Phase Rotated grid at 360 Hz
YIP_720Hz_PR[3]: Z/Y In-Phase Component Phase Rotated grid at 720 Hz
YQd_30Hz_PR: Z/Y Quadrature component Phase Rotated grid at 30 Hz
YQd_45Hz_PR: Z/Y Quadrature component Phase Rotated grid at 45 Hz
YQd_90Hz_PR: Z/Y Quadrature component Phase Rotated grid at 90 Hz
YQd_180Hz_PR: Z/Y Quadrature component Phase Rotated grid at 180 Hz
YQd_360Hz_PR: Z/Y Quadrature component Phase Rotated grid at 360 Hz
YQd_720Hz_PR: Z/Y Quadrature component Phase Rotated grid at 720 Hz
IP_30Hz_DT: Total Divergence grid from In-phase components at 30 Hz
IP_45Hz_DT: Total Divergence grid from In-phase components at 45 Hz
IP_90Hz_DT: Total Divergence grid from In-phase components at 90 Hz
IP_180Hz_DT: Total Divergence grid from In-phase components at 180 Hz
IP_360Hz_DT: Total Divergence grid from In-phase components at 360 Hz
IP_720Hz_DT: Total Divergence grid from In-phase components at 720 Hz
QD_30Hz_DT: Total Divergence grid from Quadrature components at 30 Hz
QD_45Hz_DT: Total Divergence grid from Quadrature components at 45 Hz
QD_90Hz_DT: Total Divergence grid from Quadrature components at 90 Hz
QD_180Hz_DT: Total Divergence grid from Quadrature components at 180 Hz
QD_360Hz_DT: Total Divergence grid from Quadrature components at 360 Hz
QD_720Hz_DT: Total Divergence grid from Quadrature components at 720 Hz
IP_30Hz_TPR: Total Phase Rotated grid from In-phase components at 30 Hz
IP_45Hz_TPR: Total Phase Rotated grid from In-phase components at 45 Hz
IP_90Hz_TPR: Total Phase Rotated grid from In-phase components at 90 Hz
IP_180Hz_TPR: Total Phase Rotated grid from In-phase components at 180 Hz
IP_360Hz_TPR: Total Phase Rotated grid from In-phase components at 360 Hz
IP_720Hz_TPR: Total Phase Rotated grid from In-phase components at 720 Hz

QD_30Hz_TPR: Total Phase Rotated grid from Quadrature components at 30 Hz
QD_45Hz_TPR: Total Phase Rotated grid from Quadrature components at 45 Hz
QD_90Hz_TPR: Total Phase Rotated grid from Quadrature components at 90 Hz
QD_180Hz_TPR: Total Phase Rotated grid from Quadrature components at 180 Hz
QD_360Hz_TPR: Total Phase Rotated grid from Quadrature components at 360 Hz
QD_720Hz_TPR: Total Phase Rotated grid from Quadrature components at 720 Hz

A Geosoft .GRD file has a .GI metadata file associated with it, containing grid projection information. A grid cell size of 50 metres was used.

- Maps at 1:20,000 scale in Geosoft MAP format, as follows:

  10104_20K_TMI: Total Magnetic Intensity (TMI)
  10104_20K_3D_IP_TPR:3D View of In-Phase Total Phase Rotated Grids versus Skin Depth
  10104_20K_30Hz_XIP_PR: 30Hz Z/X Component In-Phase Phase Rotated
  10104_20K_90Hz_XIP_PR: 90Hz Z/X Component In-Phase Phase Rotated
  10104_20K_360Hz_XIP_PR: 360Hz Z/X Component In-Phase Phase Rotated
  10104_20K_30Hz_IP_TPR: 30Hz In-Phase Total Phase Rotated Grid
  10104_20K_90Hz_IP_TPR: 90Hz In-Phase Total Phase Rotated Grid
  10104_20K_360Hz_IP_TPR: 360Hz In-Phase Total Phase Rotated Grid
  10104_20K_XIP_profiles_XIP_PR: Z/X (In-line) In-Phase Profiles over 90Hz Phase Rotated In-Phase Grid
  10104_20K_XQD_profiles_XQD_PR:Z/X (In-line) Quadrature Profiles over a 90Hz Phase Rotated Quadrature Grid.
  10104_20K_YIP_profiles_YIP_PR:Z/Y (Cross-line) In-Phase Profiles over 90Hz Phase Rotated In-Phase Grid
  10104_20K_YQD_profiles_YQD_PR:Z/Y (Cross-line) Quadrature Profiles over a 90Hz Phase Rotated Quadrature Grid.
- Maps are also presented in PDF format.
- 1:50,000 topographic vectors were taken from the NRCAN Geogratis database at; http://geogratis.gc.ca/geogratis/en/index.html.

- A Google Earth file *"10104_ATAC.kml"* is included, showing the flight path of each block. Free versions of Google Earth software from: http://earth.google.com/download-earth.html

6. CONCLUSIONS AND RECOMMENDATIONS

6.1 Conclusions

A helicopter-borne ZTEM and aeromagnetic geophysical survey has been completed over the Rau Block located near Mayo, Yukon Territory.

The total area coverage is 65.2 km^2. Total survey line coverage is 332.9 line kilometres. The principal sensors included a Z-Axis Tipper electromagnetic (ZTEM) system and a caesium magnetometer. Results have been presented as stacked profiles and contour colour images at a scale of 1:20,000.

There is no summary interpretation included in this report.

6.2 Recommendations

Based on the geophysical results obtained, a number of interesting conductive structures were identified across the property. The magnetic results also contain worthwhile information in support of exploration targets of interest. We therefore recommend a more detailed interpretation of the available geophysical data, including VTEM, in conjunction with the geology, prior to ground follow up and drill testing.

Respectfully submitted[6],

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Geotech Ltd.

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Biljana Milicevic
Geotech Ltd.

Gord Smith
Geotech Ltd.

June 2010

[6] Final data processing of the EM and magnetic data were carried out by Biljana Milicvic, and Interpretation was carried out by Marta Orta from the office of Geotech Ltd. in Aurora, Ontario, under the supervision of Gord Smith, Manager of Data Processing and Jean Legault, P. Geo, P. Eng, Chief Geophysicist (Interpretation)

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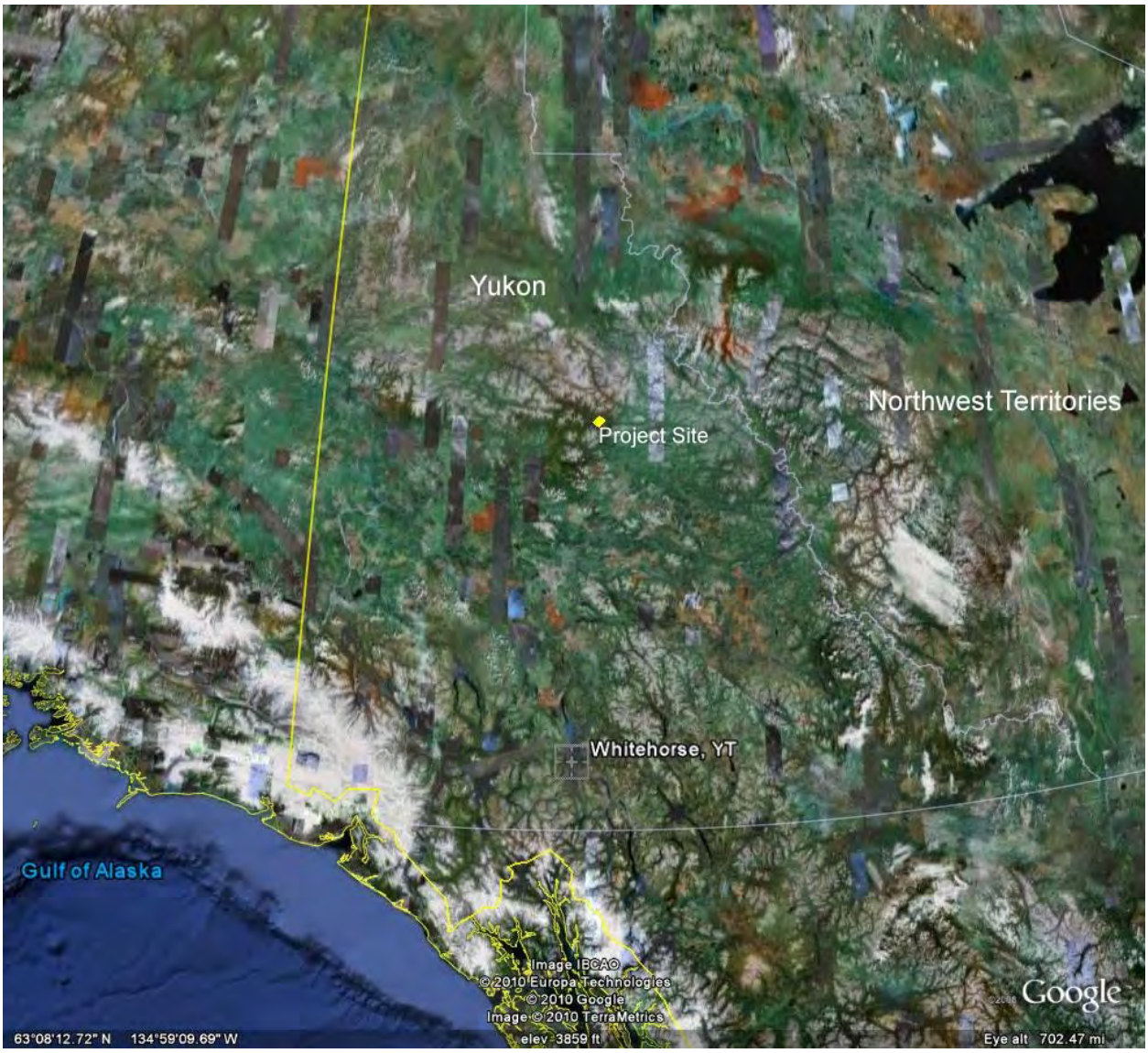
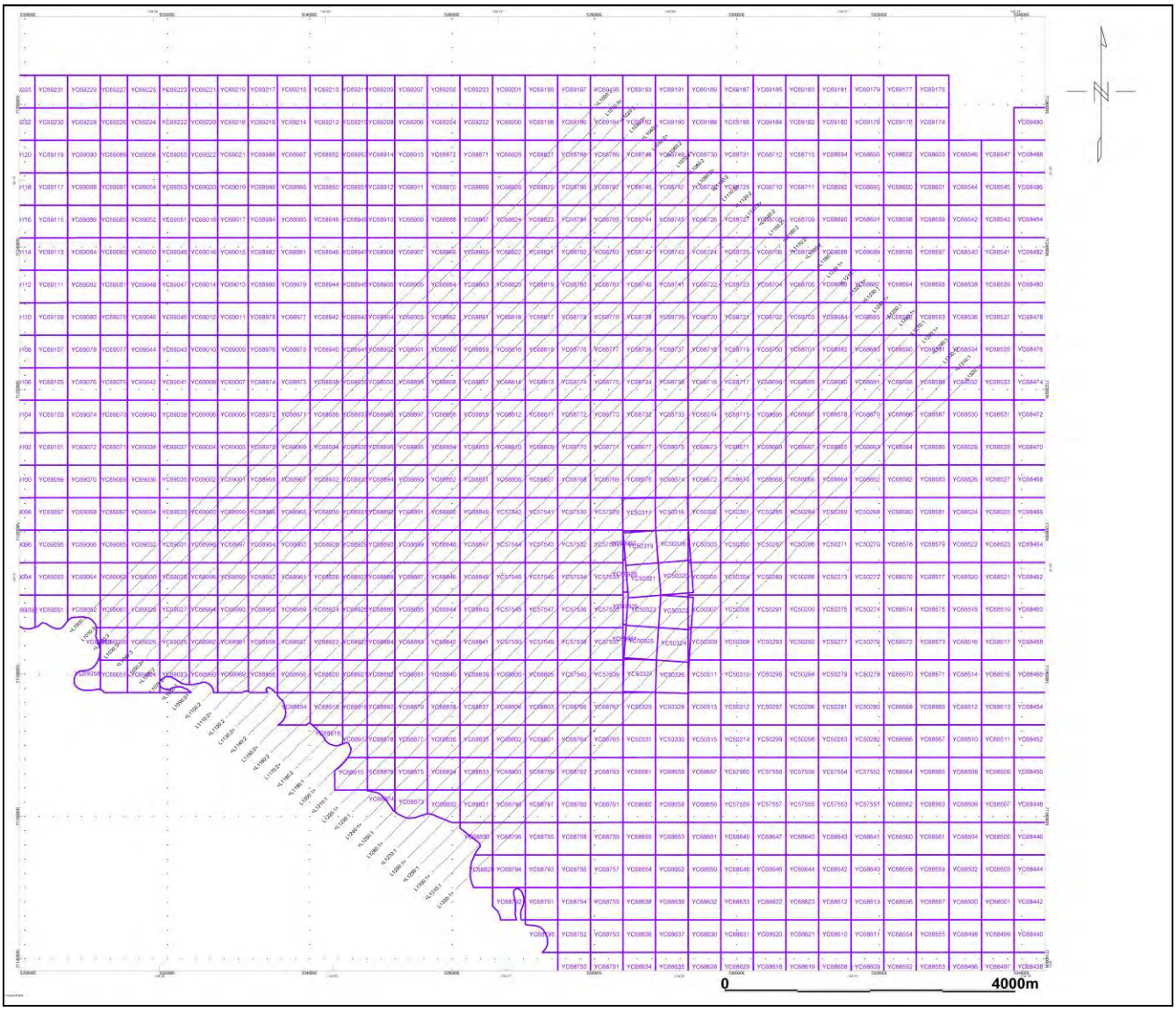
APPENDIX A

SURVEY BLOCK LOCATION MAP



Survey Overview Location Map



Mining Claims for the block

APPENDIX B

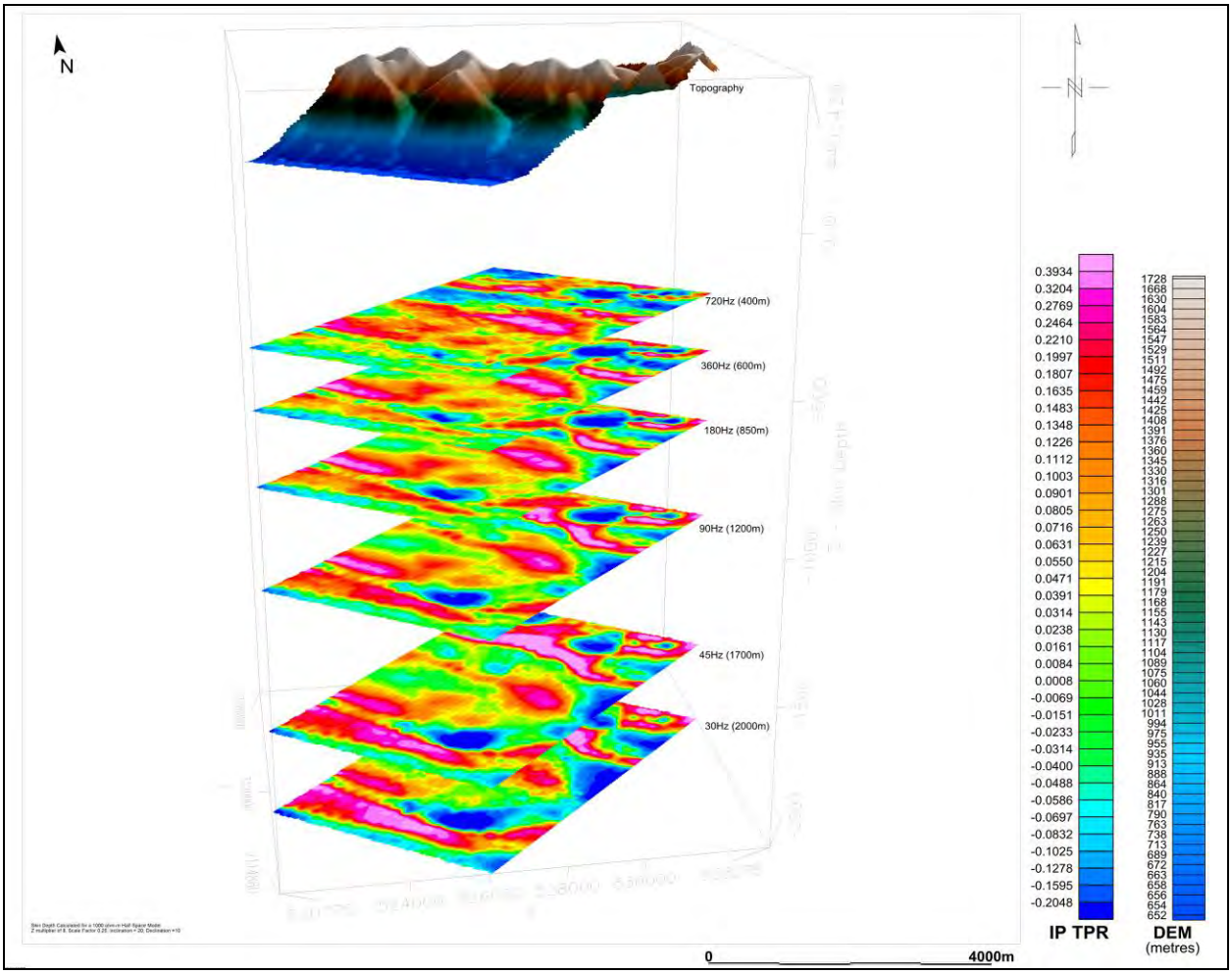
SURVEY BLOCK COORDINATES

(WGS 84, UTM Zone 8 North)

X	Y
520892.4	7118859
527974.4	7125941
533187.8	7122088
526094.6	7114972

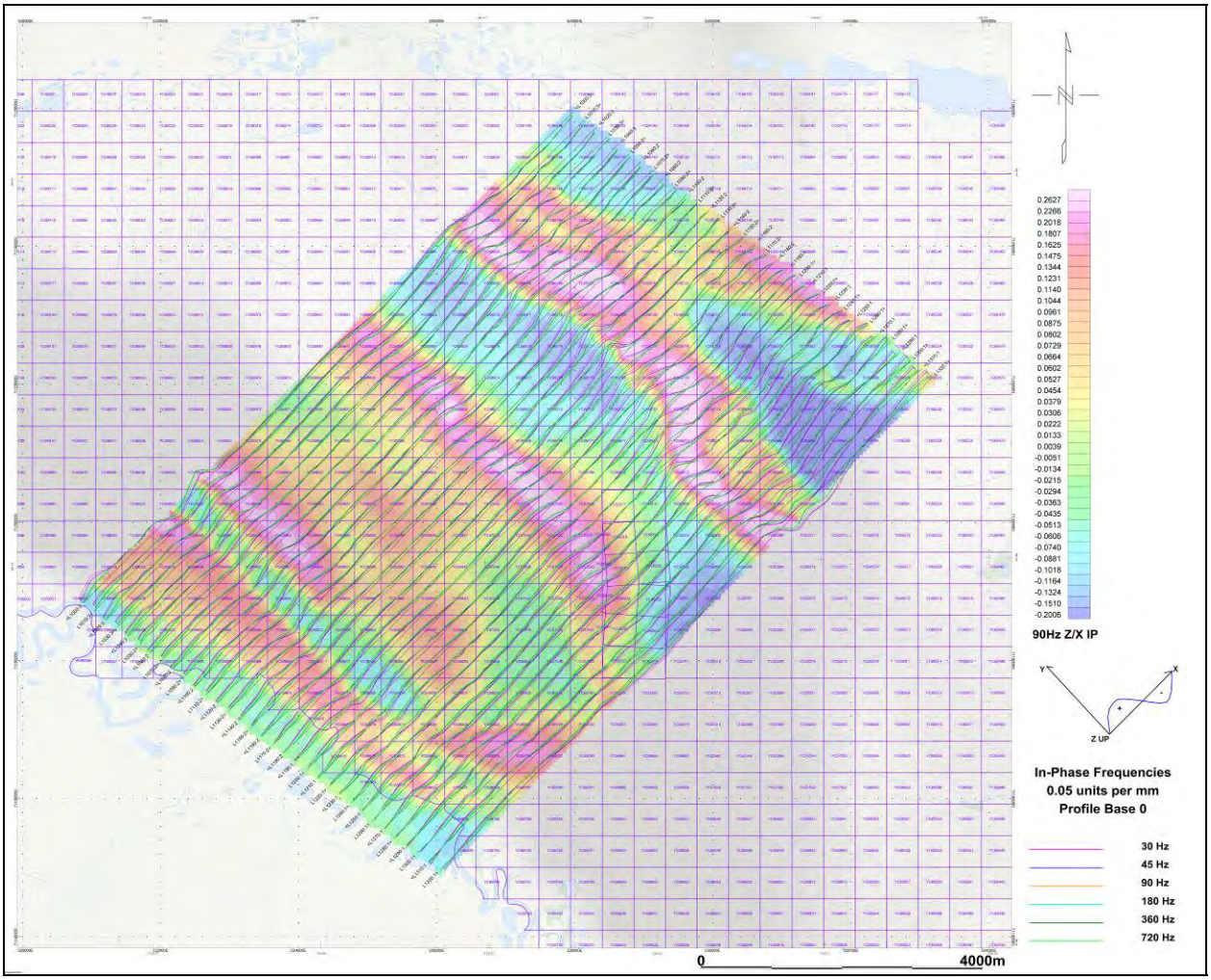
APPENDIX C

GEOPHYSICAL MAPS[1]

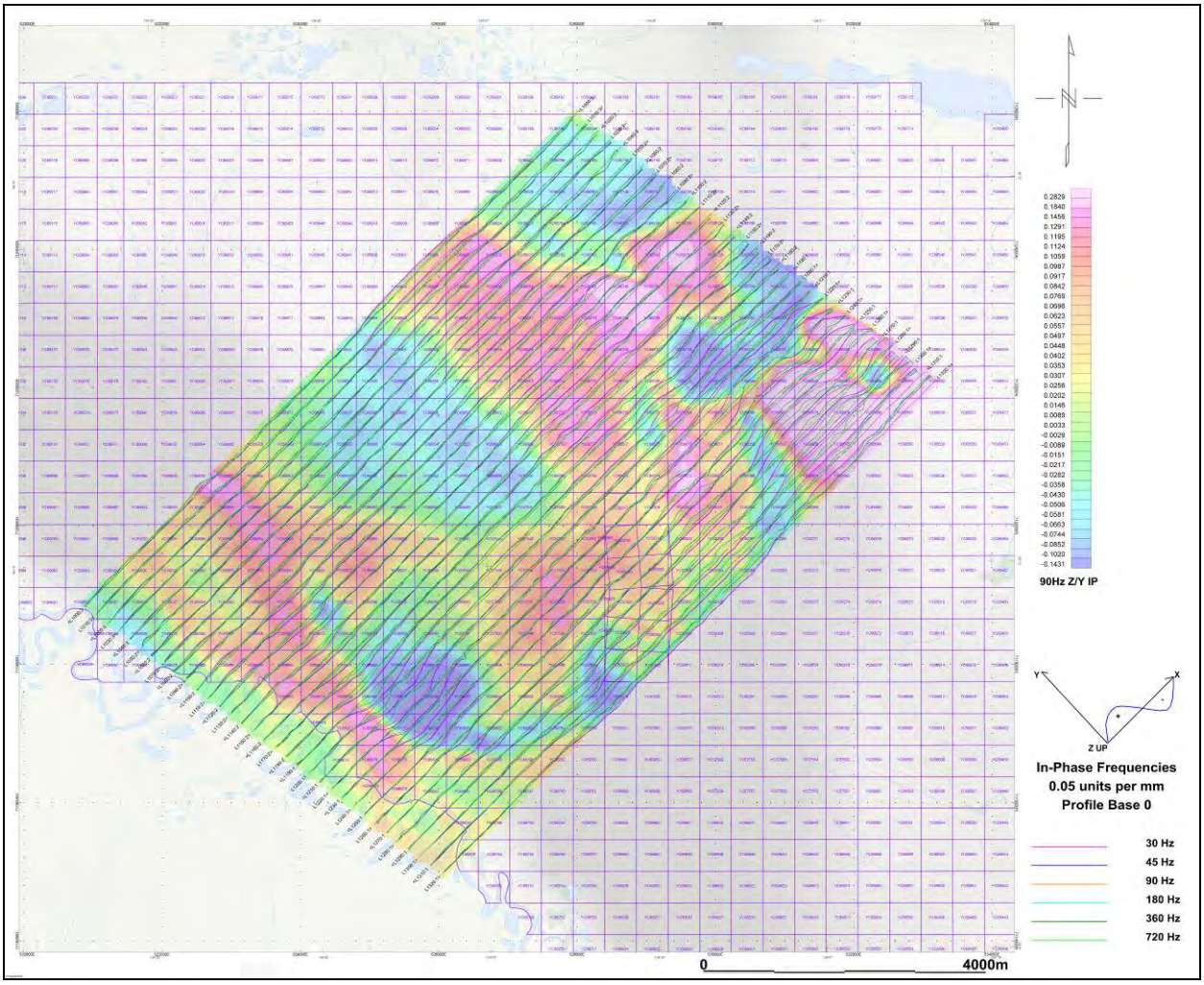


3D View of In-Phase, Total Phase Rotated (TPR) grids versus Skin Depth (30 Hz - 720 Hz)

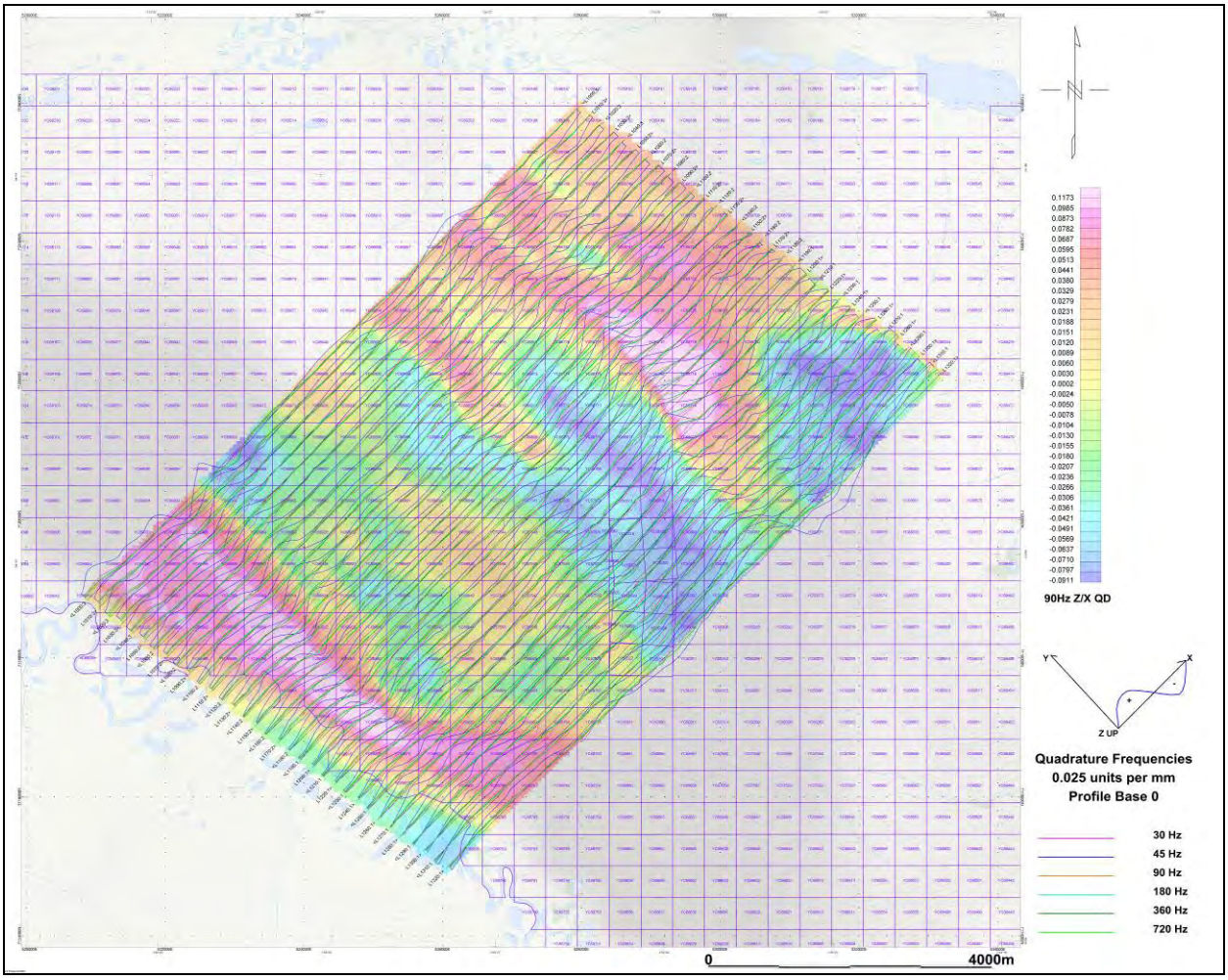
[1] Full size geophysical maps are also available in PDF format on the final DVD



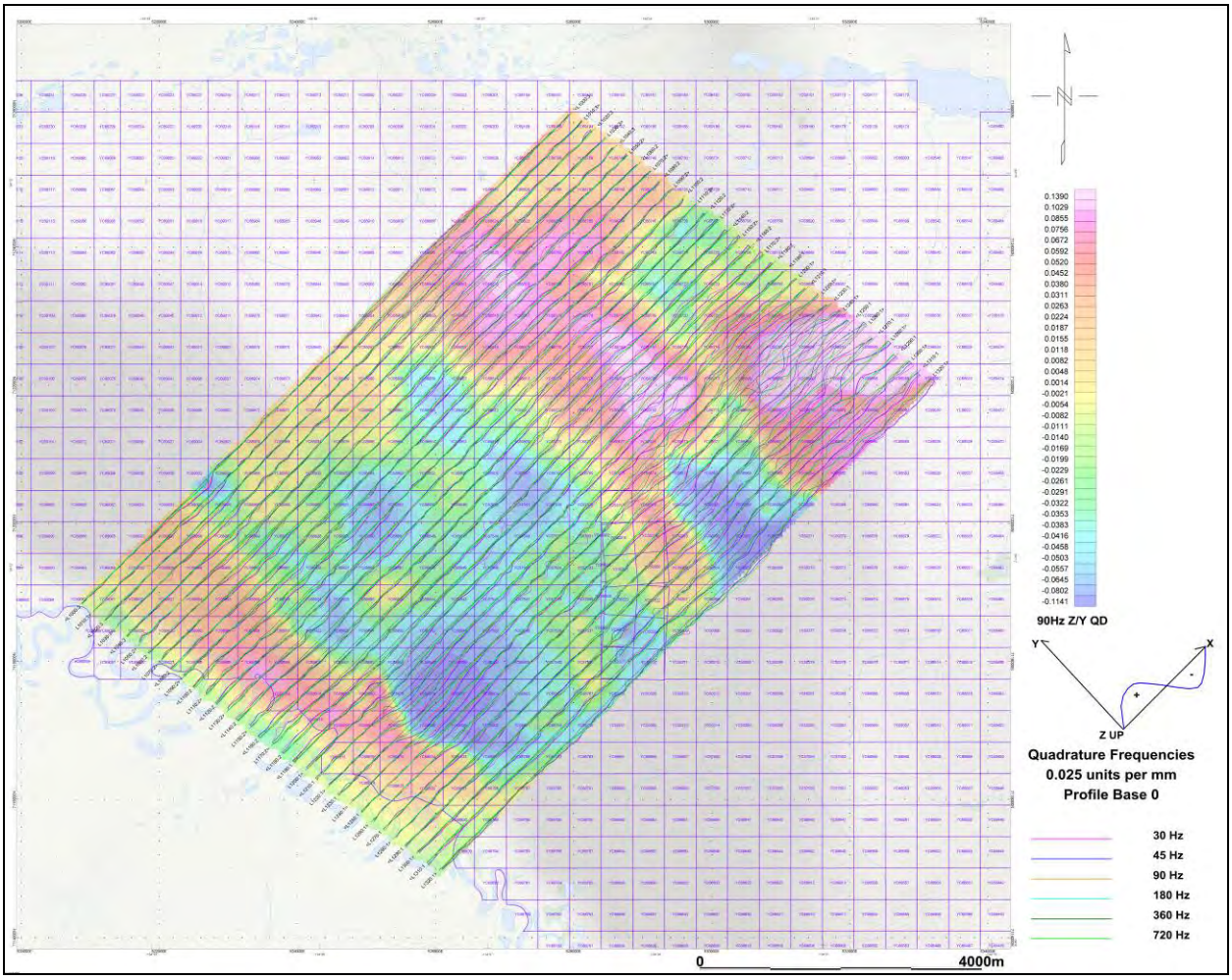
Z/X (In-line) In-Phase Profiles over 90 Hz Phase Rotated Z/X In-Phase Grid



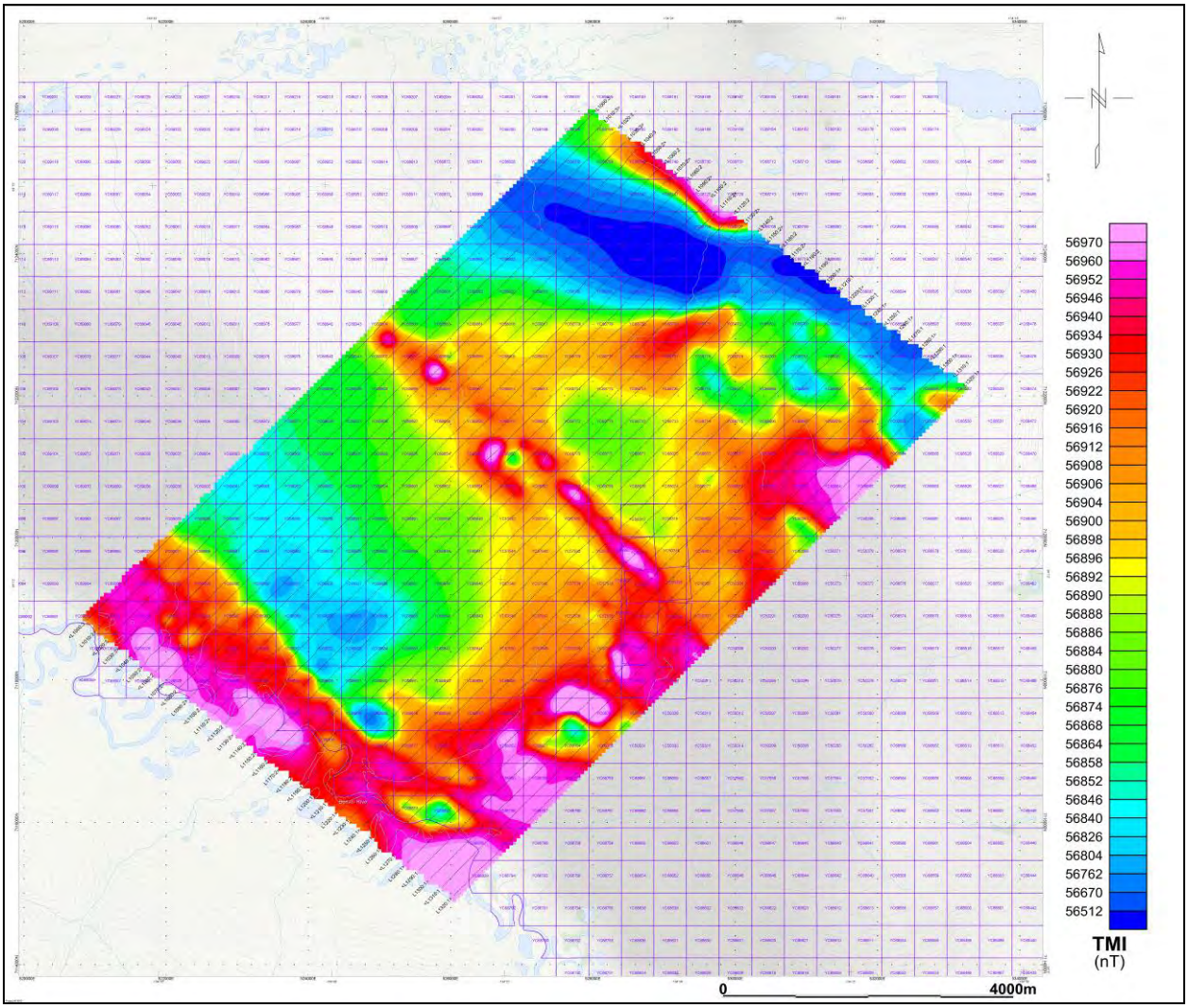
Z/Y (Cross-line) In-Phase Profiles over 90 Hz Phase Rotated Z/Y In-Phase Grid



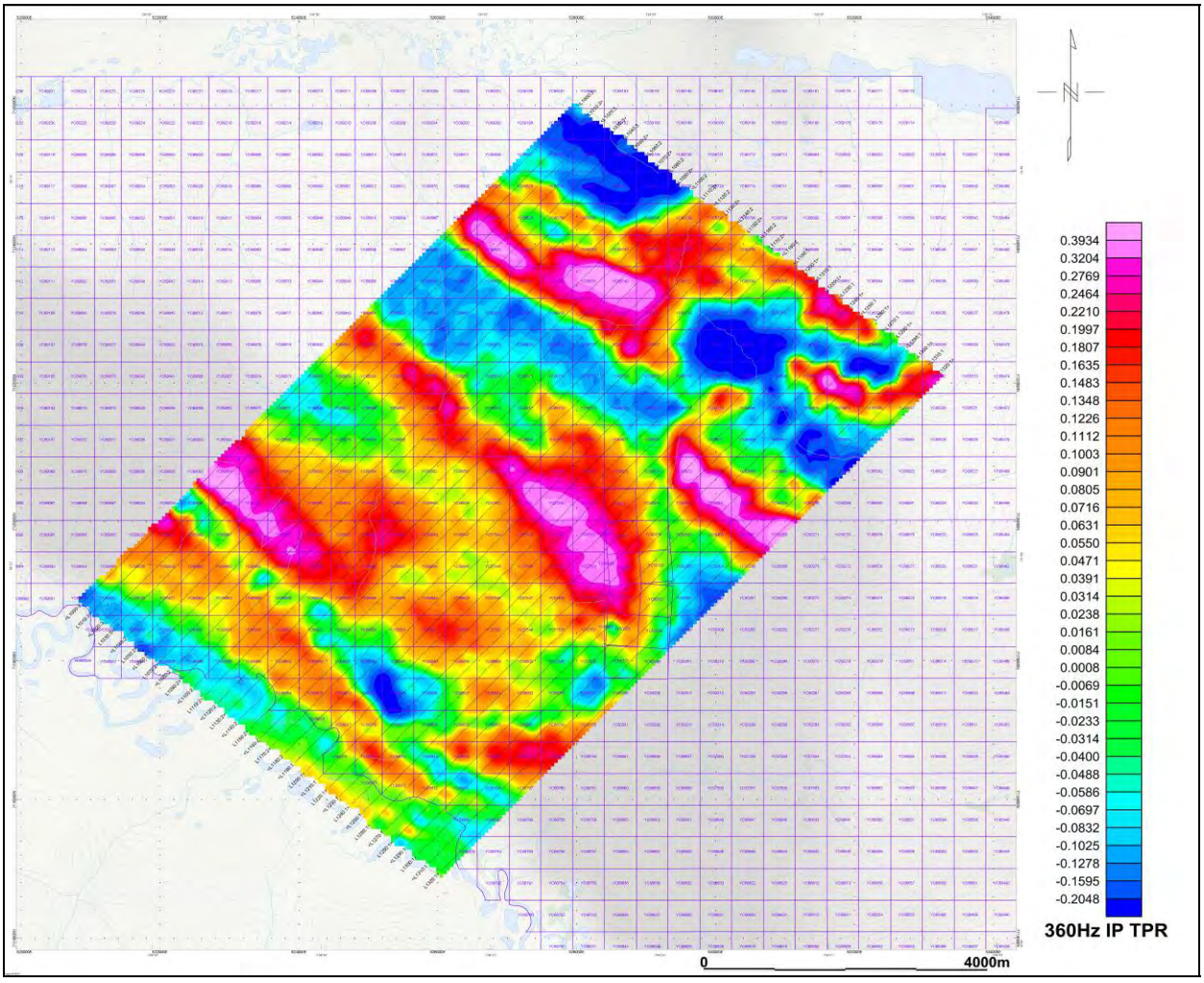
Z/X (In-line) Quadrature Profiles over 90 Hz Phase Rotated Z/X Quadrature Grid



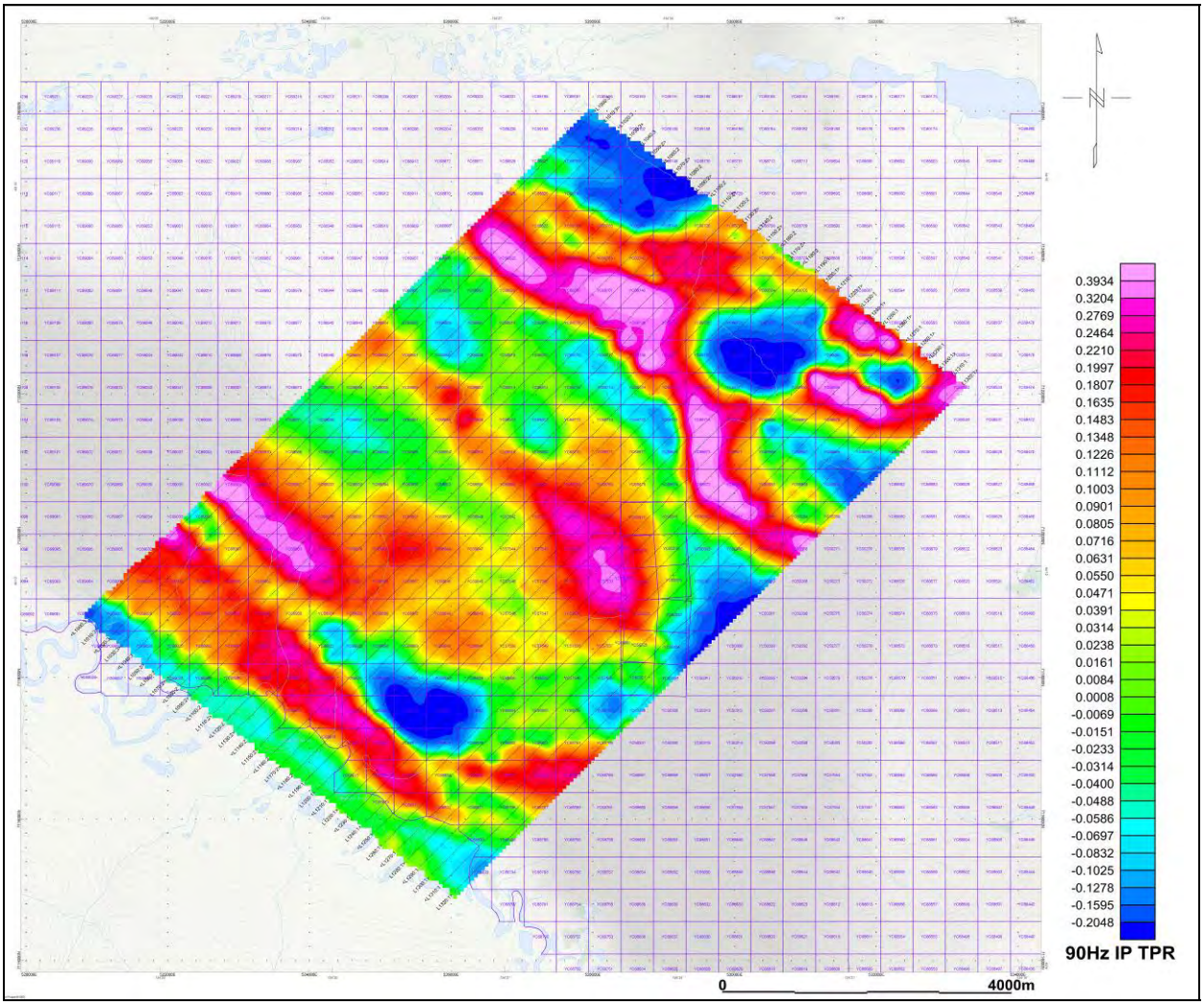
Z/Y (Cross-line) Quadrature Profiles over 90 Hz Phase Rotated Z/Y Quadrature Grid



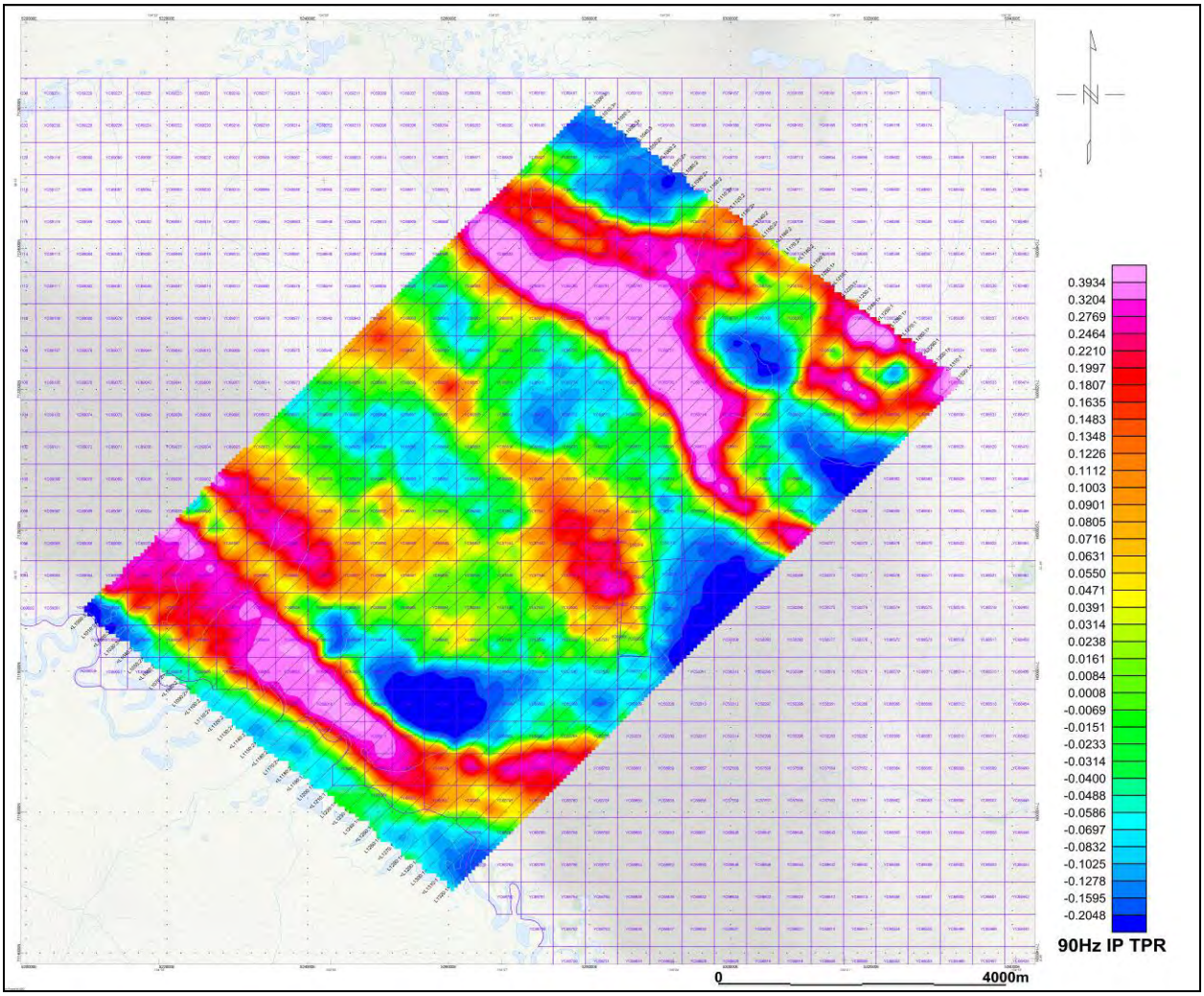
Total Magnetic Intensity (TMI) Grid



High Frequency (360Hz) In-Phase Total Phase Rotated (TPR)



Mid Frequency (90Hz) In-Phase Total Phase Rotated (TPR)



Low Frequency (30Hz) In-Phase Total Phase Rotated (TPR)

APPENDIX D

ZTEM THEORETICAL CONSIDERATIONS

A brief section on the theory behind the AFMAG technique is provided for completeness and a more comprehensive development of the theory can be found in standard texts. The natural EM field is normally horizontally polarized. Subsurface lateral variations of conductivity generate a vertical component, which is linearly related to the horizontal field. Although the fields look like random signals, they may be treated as the sum of sinusoids. At each frequency the field can be expressed as a complex number with magnitude and argument equal to the amplitude and phase of the sinusoid. The relation between the field components can then be expressed by a linear complex equation with two complex coefficients at any one frequency. These coefficients are dependent upon the subsurface and not upon the horizontal field present at any particular time and are appropriate parameters to measure (Vozoff, 1972).

$$\mathbf{Hz(f) = Tx(f)\ Hx(f) + Ty(f)\ Hy(f),} \qquad \mathbf{(1)}$$

Where

Hx(f), Hy(f) and Hz(f) are x, y and z components of the field,

Tx(f) and Ty(f) are the "tipper" coefficients.

In the case of a horizontally homogeneous environment, Tx and Ty are equal to zero because Hz =0. They show certain anomalies only by the presence of changes in subsurface conductivity in the horizontal direction. The real parts of the coefficients correspond to tangents of tilt angles measured with a controlled source. The complex tensor [Tx, Ty] known as the "tipper" defines the vertical response to horizontal fields in the x and y directions respectively.

Tx and Ty are two unknown coefficients in one equation, and we therefore must combine two or more sets of measurements to solve them. To reduce effects of noise, multiple sets of measurements can be made, and the coefficients, which minimize the squared error in predicting the measured Z from X and Y, can be found. This leads to next formulas for estimating the coefficients.

$$\mathbf{Tx = ([HzHx^*]\ [HyHy^*] - [HzHy^*]\ [HyHx^*])\ /\ ([HxHx^*]\ [HyHy^*] - [HxHy^*]\ [HyHx^*]),} \qquad \mathbf{(2)}$$

and

$$\mathbf{Ty = ([HzHy^*]\ [HxHx^*] - [HzHx^*]\ [HxHy^*])\ /\ ([HxHx^*]\ [HyHy^*] - [HxHy^*]\ [HyHx^*]\ .} \qquad \mathbf{(3)}$$

Where

[HxHy*] (For example) denotes a sum of the product of Hx with the complex conjugate of Hy.

In practical processing algorithms, all numbers Hx, Hy and Hz can be obtained by applying the same digital band-pass filters to three incoming parallel data signals. FFT algorithms are also applicable. All sums like [HxHy*] can be calculated on the basis of a discrete time interval in the range from 0.1 to 1 sec or on a sliding time base.

Using platform attitude data in the EM data processing can be done at different stages of the signal processing. The most obvious idea is to transform parallel data from local coordinates of the platform into absolute geographical coordinates before the main signal processing procedure. Unfortunately, the proper algorithms of attitude data obtained, often require some post-processing algorithms such as using post-calculated accelerations based on GPS data etc. That is why it is preferable to treat x-y-z coordinates in formulas above in the local coordinate system of the platform and to recalculate resulting local tilt angles into a geographical or global coordinate system later, during the data post processing.

In weak field conditions where the level of the signal is comparable with input noise levels in preamplifiers, the bias in the estimated values of Tx and Ty caused by noise in the horizontal signals become substantial and can not be reduced by any averaging. This bias can be removed by the use of separate reference signals containing noise uncorrelated with noise in signals Hx and Hy. (Anav et al., 1976).

$$Tx = ([HzRx^*]\,[HyRy^*] - [HzRy^*]\,[HyRx^*]) / ([HxRx^*]\,[HyRy^*] - [HxRy^*]\,[HyRx^*]), \quad (4)$$

and

$$Ty = ([HzRy^*]\,[HxRx^*] - [HzRx^*]\,[HxRy^*]) / ([HxRx^*]\,[HyRy^*] - [HxRy^*]\,[HyRx^*]). \quad (5)$$

Where:

Rx is the reference field x component,
Ry is the reference field y component.

An additional two electromagnetic sensors, providing these reference signals can be placed at some distance away from the main x, y and z sensors. Currently, though, no additional remote-reference processing are applied to ZTEM data.

Numerical Modelling

In order to understand the airborne AFMAG responses to conductors for a variety of geological environments, EMIGMA^{TM} modelling code from PetRos EiKon (Toronto, ON) was obtained to conduct the formulated model studies.

Below are some of the modelling results from their study.

Modelling assumption:

The assumptions for the modelling are that:

3 components of the magnetic field are measured and they are processed according to:

$$Hz(f) = Tx(f)\,Hx(f) + Ty(f)\,Hy(f)$$

The vector (Tx,Ty) is usually referred to as the 'tipper' vector and is determined in the frequency domain through processing. This is normally done by determining transfer functions from an extended time series.

For the modelling exercise, the 3 components of the magnetic vector (Hx,Hy,Hz) are modelled twice for 2 orthogonal polarizations of a plane wave source field and then the tipper is calculated from a matrix calculation using the results of the 2 source polarizations' models. For the 2D forward modelling results, the tipper vectors are shown as a function of frequency

Basic Model Response

For the initial models, we assume a thin plate-like model. The model is perpendicular to the flight direction. Initially, we will assume very long strike directions. From this quasi-2D model, there are 2 basic responses. The so-called TE response and the so-called TM response.

For the initial models, we will assume the strike is in the y (North) directions and the flight is in the x (East) direction Sensor heights are 30m above ground.

TE Mode: For the TE response, the electric field excitation flows along strike (current channelling) and the horizontal H field (Hx) flows perpendicular to strike thus causing induction through Faraday's law. The Hz response is generated both from channelling and induction.

TM Mode: For this response, the electric field excitation flows perpendicular to strike generating quasi-static charges on faces and the horizontal H field (Hx) flows parallel to strike. Since, the XZ face is very small for this model, little current is induced. The charges on the faces have a small dipole moment due to the thinness of the model.

For the rest of the models unless otherwise noted, the parameters used are:

Strike Length: 1km
Depth Extent: 1km
Conductance: 100S
Depth to Top: 10m
Background: Thin-overburden (10m), Resistive Basement (1000 Ohm-m)

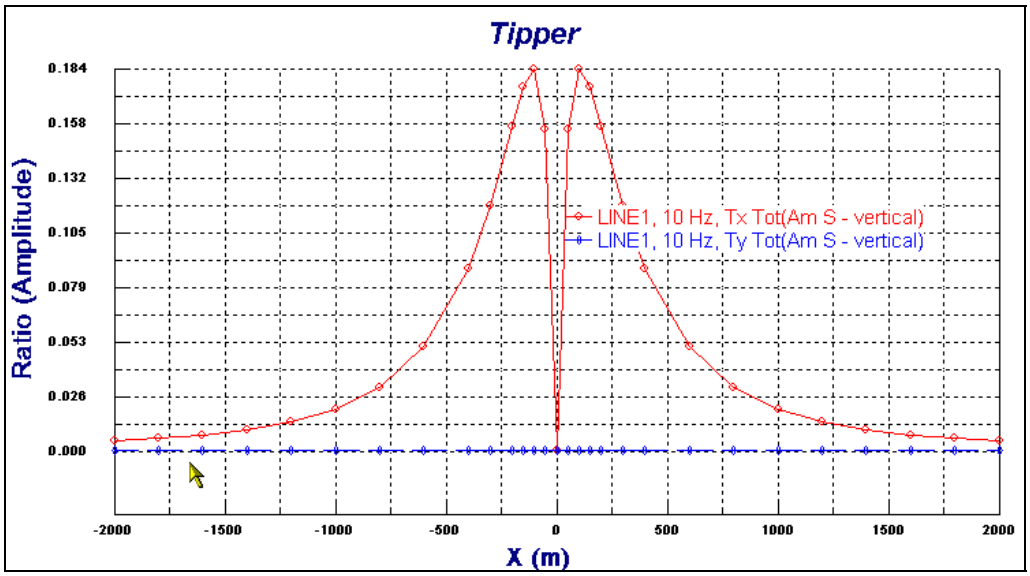


Figure D-1 – Calculated Tipper components at 10 Hz for above model parameters.

Figure D1 shows the Tipper (Tx,Ty) Amplitudes at 10Hz using a10Ωm overburden. Note small Ty (ie quasi-TM response)

Amplitude Response

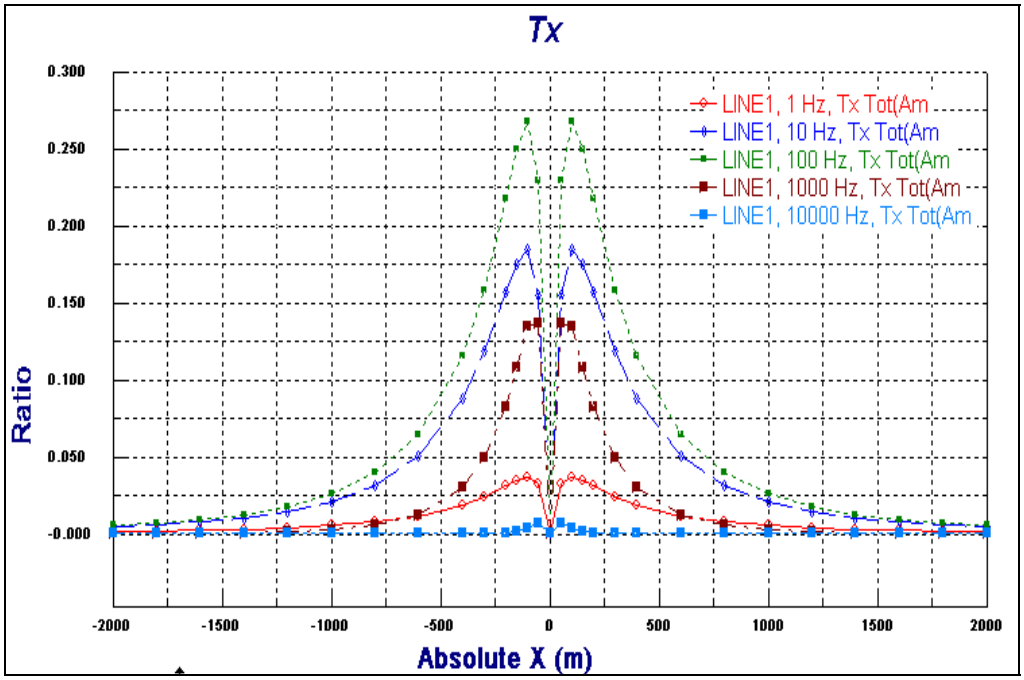


Figure D-2 – Calculated Tx component of the Tipper at various frequencies

The (Tx) response amplitude at 1,10,100,1000,10000 Hx. Peak amplitude at 100Hz

Inphase and Quadrature Response

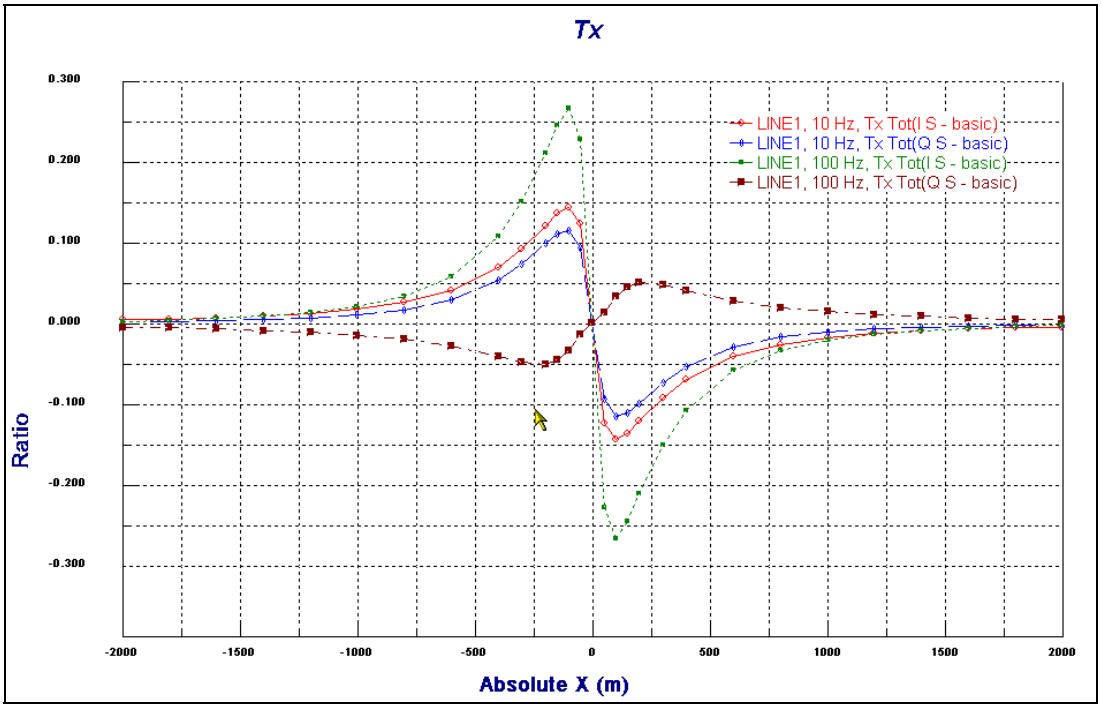


Figure D-3 – Calculated In-phase and Quadrature of the Tx component at various frequencies

Figure D-3 shows the In-phase and Quadrature response at 10 and 100Hz. Note the crossovers in the In-phase and Quadrature, and the phase reversal in the Quadrature responses from low to high frequencies.

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September, 2007

AFMAG Source Fields and ZTEM method[1]

AFMAG uses naturally occurring audio frequency magnetic fields as the source of the primary field signal, and therefore requires no transmitter (Ward, 1959). The primary fields resemble those from VLF except that they are lower frequency (tens & hundreds of Hz versus tens of kHz) and are usually not as strongly directionally polarized (Labson et al., 1985). These EM fields used in AFMAG are derived from world wide atmospheric thunderstorm activity, have the unique characteristic of being uniform, planar and horizontal, and also propagate vertically into the earth – to great depth, up to several km, as determined by the magnetotelluric (MT) skin depth (Vozoff, 1972), which is directly proportional to the ratio of the bedrock resistivity to the frequency (Figure D4).

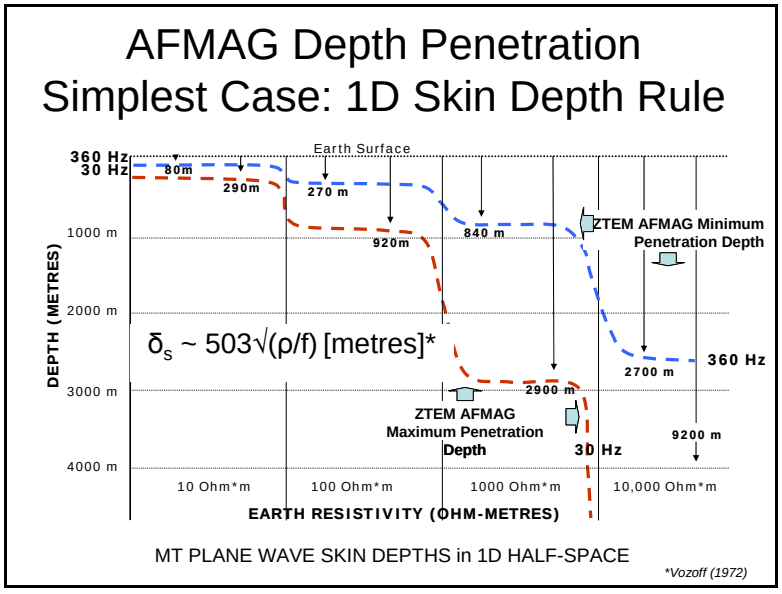

Figure D4: MT Skin Depth Penetrations for ZTEM in 30-360Hz and 10-1000 ohm resistivity

At the frequencies used for ZTEM, the penetration depths likely range between approx. 600m to 2km in this region (approx. 1k ohm-m avg. resistivity assumed), according to the following equation for the Bostick skin depth $\delta_B = 356 * \sqrt{(\rho / f)}$ metres (Murakami, 1985), which is considered appropriate as a rule of thumb equivalent depth estimate.

The other unique aspect of AFMAG fields is that they react to relative contrasts in the resistivity, and therefore do not depend on the absolute conductance, as measured using inductive EM systems, such as VTEM. Hence poorly, conductive targets, such as alteration zones and fault zones can be mapped, as well as higher conductance features, like graphitic units. Conversely, resistive targets can also be detected using AFMAG– provided they are of a sufficient size and contrast to produce a vertical field anomaly. Indeed resistors produce reversed anomalies relative to conductive features. Hence AFMAG can be effective as an

[1] From: Legault, J.M., Kumar, H., and Milicevic, B. (2009): ZTEM tipper AFMAG and 2D inversion results over an unconformity uranium target in northern Saskatchewan, Expanded Abstract submitted to Society of Exploration Geophysics SEG conference, Houston, Tx, Nov-2009, 5 pp.

all-round resistivity mapping tool, making it unique among airborne EM methods. A series of 2D synthetic models that illustrate these aspects have been created using the 2D forward MT modelling code of Wannamaker et al. (1987) and are presented in figures D5-D7.

The tipper from a single site contains information on the dimensionality of the subsurface (Pedersen, 1998), for example, in a horizontally stratified or 1D earth, $\boldsymbol{T}$=0 and as such H_Z is absent. For a 2D earth with the y-axis along strike, T_Y=0 and $H_Z = T_X * H_X$. In 3D earths, both T_X and T_Y will be non-zero. H_Z is therefore only present, as a secondary field, due to a lateral resistivity contrast, whereas the horizontal H_X and H_Y fields are a mixture of secondary and primary fields (Stodt et al., 1981). But, as an approximation, as in the telluric-magnetotelluric method (T-MT; Hermance and Thayer, 1975) used by distributed MT acquisition systems, the horizontal fields are assumed to be practically uniform, which is particularly useful for rapid reconnaissance mapping purposes. By measuring the vertical magnetic field H_X, using a mobile receiver and the orthogonal horizontal H_X and H_Y fields at a fixed base station reference site, ZTEM is a direct adaptation of this technique for airborne AFMAG surveying.

_____

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Geotech Ltd.

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Murakami, Y., 1985, Short Note: Two representations of the magnetotelluric sounding survey, Geophysics, **50**, 161-164.

Pedersen, L.B., 1998, Tensor VLF measurements: Our first experiences, Exploration Geophysics, **29**, 52-57.

Stodt. J.A., Hohmann, G.W., and Ting, S.C., 1981, The telluric-magnetotelluric method in two- and three-dimensional environments, Geophysics, **46**, 1137-1147.

Vozoff, K., 1972, The magnetotelluric method in the exploration of sedimentary basins, Geophysics, **37**, 98–141.

Ward, S. H., 1959, AFMAG—Airborne and ground: Geophysics, **24**, 761–787.

Wannamaker, P.E., Stodt, J.A., and Rijo, L., 1987, A stable finite element solution for two-dimensional magnetotelluric modelling, Geophy. J. Roy. Astr. Soc., **88**, 227-296.

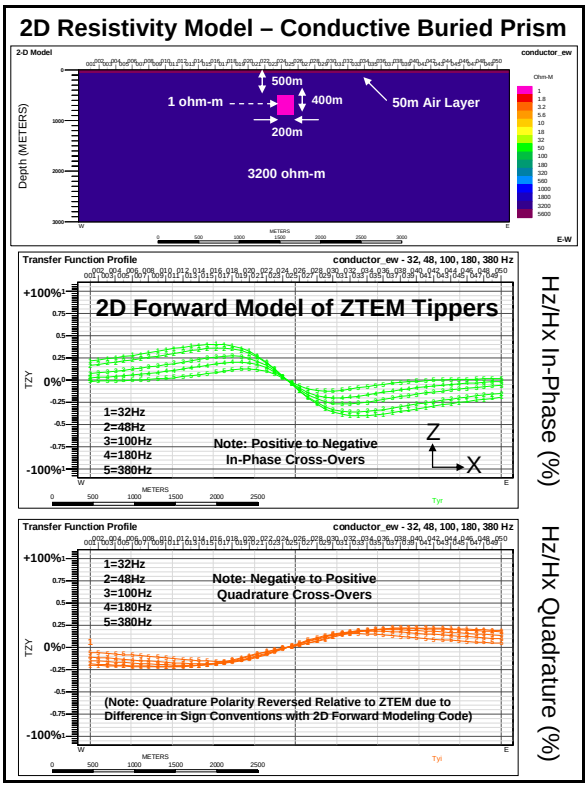

Figure D5: 2D synthetic forward model Tipper responses for conductive brick model.

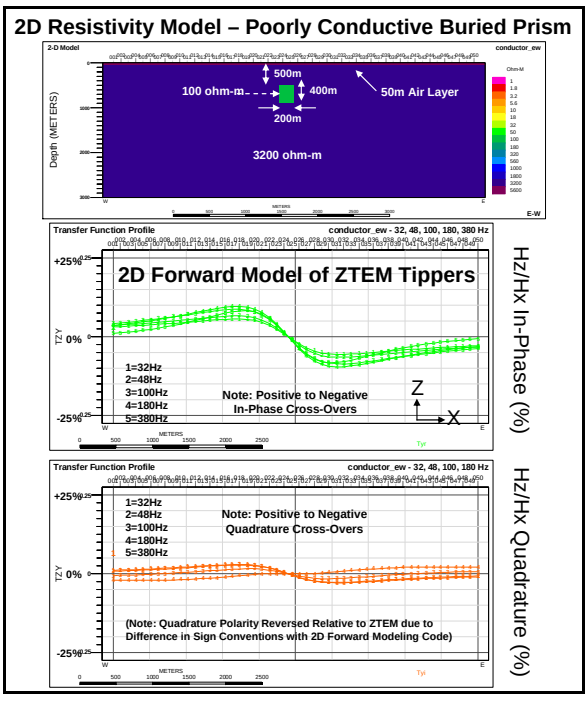

Figure D6: 2D synthetic forward model Tipper response for poorly conductive brick model.

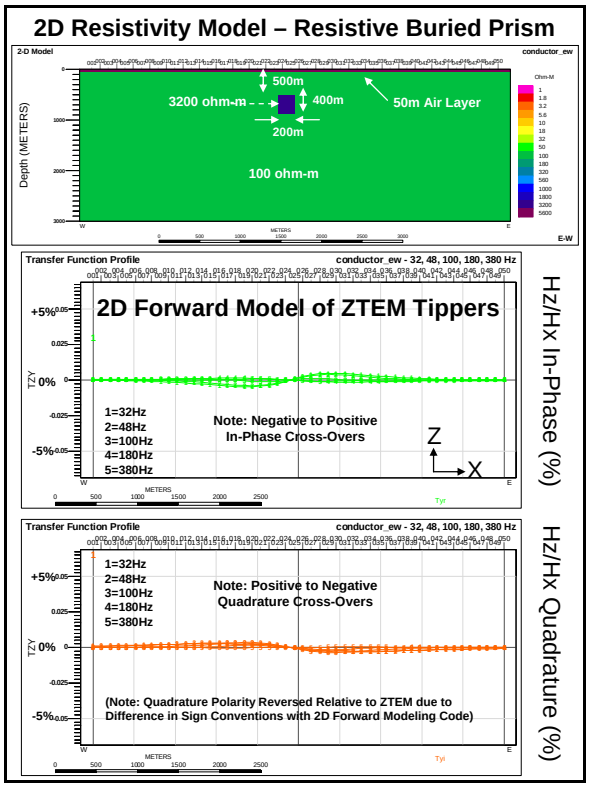

Figure D7: 2D synthetic forward model Tipper response for resistive brick model.

APPENDIX E

ZTEM (AIRBORNE AFMAG) TESTS OVER UNCONFORMITY URANIUM DEPOSITS[5]

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Key Words: ZTEM, AFMAG, electromagnetic, airborne, uranium, Athabasca.

INTRODUCTION

A series of demonstration tests were conducted using the ZTEM, airborne AFMAG system over deep targets in the Athabasca Basin of Saskatchewan, Canada. These tests were conducted in mid-2008 and were flown to test ZTEM's ability to detect large conductive targets at depth; deeper than conventional airborne EM methods. Data are presented over areas where the conductors are located 450-600 metres beneath the surface. As well, a case of ZTEM following the plunge of a conductor to over 800 metres depth is shown.

BACKGROUND

The ZTEM system is the latest implementation of an airborne AFMAG system first commercialized in late 2006. ZTEM uses a large, 8 metre diameter airborne air core coil, slung from a helicopter, to measure the vertical component of the AFMAG signal. Two 4 metre square coils are deployed on the ground to measure the horizontal field. The ZTEM system has flown successful demonstration surveys over porphyry copper deposits in the southwest USA (Zang et al., 2008).

ZTEM was tested in the Athabasca Basin in Canada in May of 2008 to determine its depth of investigation and to determine its suitability for mapping deep conductors in the crystalline basement. Over 30% of the world's U3O8 is mined in the Athabasca Basin from unconformity uranium deposits. Unconformity uranium deposits of the Athabasca Basin are often associated with conductors located in the crystalline basement. The search for economic uranium deposits is moving to areas of the basin which are deeper and beyond the detection limits of modern airborne instrumentation. This creates the requirement for a system which can detect conductivity past the detection limits of modern traditional EM systems. This was the motivation behind the field trials of the ZTEM system in the Athabasca Basin. Several areas where known deep conductors (450-600m+) were located were flown. Also, a test survey block in the northern part of the basin was able to trace a deep and plunging conductor to depths that no other airborne EM system has been able to achieve.

ATHABASCA BASIN GEOLOGY

The high-grade uranium deposits within the Athabasca Basin are associated with the unconformity between the essentially flat-lying Proterozoic Athabasca Group sandstones and the underlying Archean-Paleoproterozoic metamorphic and igneous basement rocks. The deposits occupy a range of positions from wholly basement-hosted to wholly sediment-hosted, at structurally favourable sites in the interface between the deeply weathered basement and overlying sediments of the Athabasca Basin (Ruzicka, 1997). The locations of These deposits are lithologically and structurally controlled by the sub-Athabasca unconformity and basement faults and fracture zones, which are localized in graphitic pelitic gneisses that may flank structurally competent Archean granitoid domes (Quirt, 1989).

In general, most of the known important deposits tend to occur within a few tens to a few hundred metres of the unconformity and within 500 m of the current ground surface. This may be more of a limitation of exploration techniques. There is no reason to believe that the distribution of the deposits is dependent on the modern day depth of

[5] Extended abstract submitted to 20[TH] ASEG International Geophysical Conference & Exhibition, Adelaide, AU, 22-26 Feb, 2009.

burial.
Empirically, the geophysical exploration for unconformity type uranium targets have been to search for large basement structures which post date the sandstone deposition of the basement (Matthews et. al, 1997). All the deposits located so far are associated with fault structures associated with a graphitic conductive basement. An alteration zone of clay silicification and enrichment around the deposits probably leads to magnetite destruction causing the magnetic low observed around the deposits. The clay alteration should give rise to a resistivity low signature about the deposits. The low conductivity of the clay alteration makes it a difficult target for airborne EM if it is buried at significant depth.

ZTEM INSTRUMENTATION AND PRESENTATION

ZTEM is an airborne AFMAG system introduced by Geotech Ltd. of Canada in early 2007 (Lo et al., 2008). In a ZTEM survey, a single vertical dipole air-core coil is flown over the survey area in a grid pattern similar to other airborne electromagnetic surveys. Two orthogonal, air-core, horizontal axis coils placed close to the survey site measures the horizontal EM fields for reference. A GPS array on the airborne coil monitors its attitude for post-flight corrections.

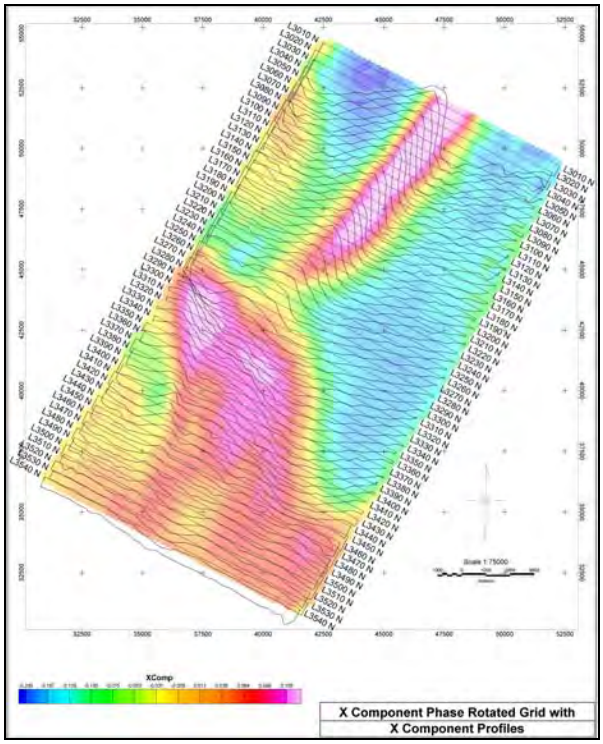

Figure 1 – Stacked profiles of the x-component Tipper over the gridded values of the phase rotated x-component data. Note that the cross-overs in the profiles are now peaks on the image.

As the source field is assumed to be far away, the excitation of the ground is more or less uniform. For large structures, the signal fall-off will be much slower than from a dipole source, such as those energized by traditional airborne systems. With the ZTEM system being less susceptible to terrain clearance, the planned ground clearance height is higher and the terrain drape is looser as compared to standard helicopter EM surveys.

The two Tippers obtained from the relationship between the vertical airborne coil and the two ground coils have a cross-over over a steeply dipping, plate-like body. The cross-overs can be made into local maxima via a 90 degree phase rotation which allows for easier interpretation of the gridded values. Figure 1 is an example of this transformation.

To present the data of both Tippers as one image, we calculate a parameter termed the DT which is the horizontal divergence of the two Tippers, much in the same manner as the "peaker" parameter in VLF (Pedersen, 1998). The DT is typically plotted with an inverted colour bar as it is negative over a steeply dipping thin body.

ZTEM RESULTS – NORTHERN ATHABASCA BASIN

Figure 2 shows gridded values from a number of ZTEM lines over an area where the sedimentary cover is approximately 450-600 metres thick. A number of traditional EM systems have also been flown over this block. While they were able to detect conductors, the resolution of the conductive features is not nearly as detailed as the information provided by ZTEM.

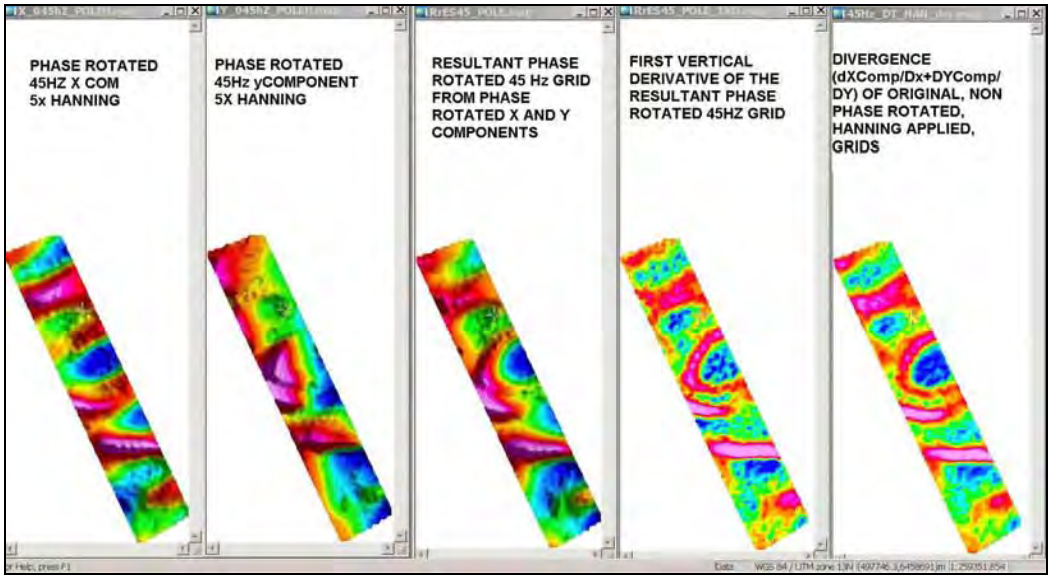

Figure 2 – ZTEM results over an area of 450-600 metre thick sedimentary cover.

Figure 3, from another area, shows the data from one of the larger blocks that was flown. It is a 3D composite image of the DT at various frequencies plotted at the equivalent skin depth assuming a 1,000 ohm-m average resistivity.

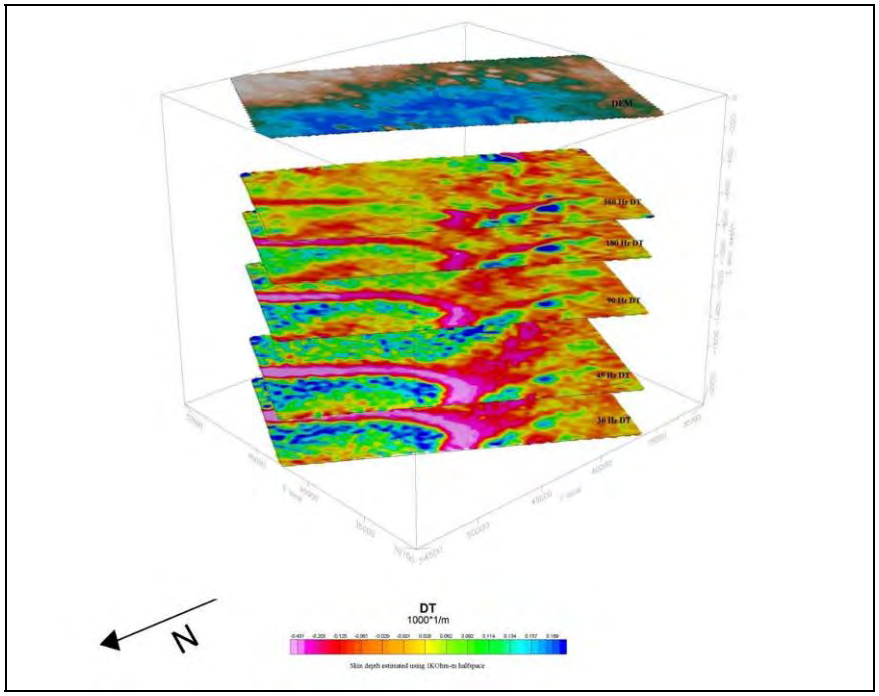

Figure 3 - Perspective view of DT's of different frequencies plotted at the skin depth (using a 1,000 ohm-m Earth.

The data in Figure 3 come from a survey over the north rim of the Athabasca Basin. The sandstone cover is about 500m on the left hand side of the image, and progressively getting deeper to the right. It is about 700m in the middle part of the image and over 800 metres thick on the right middle portion where exploration drilling is concentrated. Starting in the middle left and trending to the right of the image, there is a known graphitic shear.

In the uppermost (600m) "depth slice", Figure 3 shows a linear conductive feature that progressively weakens as one moves to the right until it is no longer seen. This is interpreted to be due to the graphitic shear conductor plunging deeper past the depth of investigation of the 360 Hz data. The lower frequencies penetrate more into the sedimentary cover that is deeper towards the right. DT's of decreasing frequency show the linear conductive feature extending more and more to the right. The feature also strengthens/sharpens into a synformal shape with lower frequencies. This fits with what the known geology of a plunging conductor at depth is doing.

At the nose of the fold, in the right third of the images, we also see another, broader anomalous zone that trends towards the back of the image. At this location, two radioactive springs are situated. These spring waters which are anomalously high in uranium and radon may reflect the upward migration of deep waters along faults, suggesting structural targets in areas where basinal waters may have tapped a radioactive source. This broad DT trend might be the plunge of the fold axis that is aligned away from the front of the image. An anomaly along this trend, at the highest frequency, that steadily grows with each decreasing frequency can be seen. This might represent an alteration zone in the sandstone that is detected at the shallowest depth. By about the 90Hz DT depth slice or so, we are possibly in the deeper basement and into a basement graphitic unit.

CONCLUSIONS

A number of successful ZTEM tests were conducted over the Athabasca Basin. The tests demonstrated that ZTEM can easily detect conductivity to 800 metres beneath relatively resistive sedimentary cover. Assuming a 1,000 ohm-metre

resistivity, the skin depth of the 30 Hz data is approximately 2,000 metres. The 30 Hz data presented have good signal to noise ratios indicating a deep depth of exploration. The observation that ZTEM may be detecting the clay alteration above the crystalline basement is a significant advantage for exploration of unconformity uranium deposits.

More demonstration surveys are planned in the Athabasca Basin later this year. And more target types for testing are also planned.

ACKNOWLEDGEMENTS

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APPENDIX F
Zvert2d Inversion Summary

General Geology

The Rau Project is located 55 km northeast of Keno City in Central Yukon (Figure F1). The Rau Block hosts replacement-style, gold-bearing sulphide and oxide mineralization that occurs in Bouvette Formation shallow water limestone, dolomite, and calcareous siltstone of Cambrian to Devonian age. Carbonate strata at the southeast end of the ridge system is intruded by a small early Tertiary (62.9+0.5 Ma) granite stock. The Tiger Zone is a stratigraphically-controlled gold deposit that trends northwest and dips moderately northeast and is characterized by replacement of host carbonates (Figure F1). The Tiger Zone is currently 650 m long, 100 to 200 m wide, and up to 96 m thick. Mineralization is contained within a 40 m to 150 m wide zone of small-scale folding and shearing. Gold occurs in both sulphide and oxide material that ranges from disseminated to banded pyrite, with subordinate arsenopyrite and pyrrhotite, and minor bismuthinite and sphalerite (www.atacresources.com).

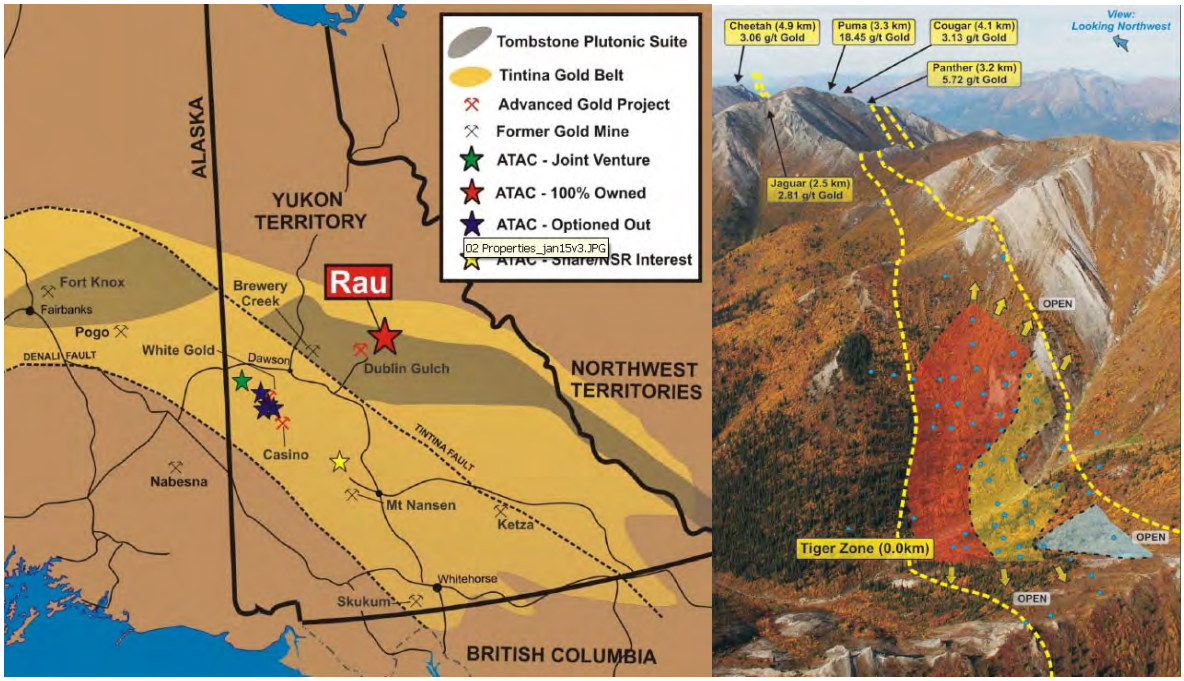

Figure F1: a) Rau Block ZTEM general location and b) Tiger zone gold mineralization setting (from www.atacresources.com).

High and low frequency DT (total divergence) images of the In-Phase (IP) tipper are shown in Figure F2, along with the total magnetic intensity and overlays of the 90Hz In-line IP and Quadrature profiles for the three survey lines under study. From these images, a major NW-SE trending conductive structure is observed in the center, that extends through the Tiger Zone, which appears at its southeastern tip. The ZTEM structure also appears to coincide with a linear magnetic low. Other conductive NW-SE lineaments flank the Tiger horizon to the NE and SW.

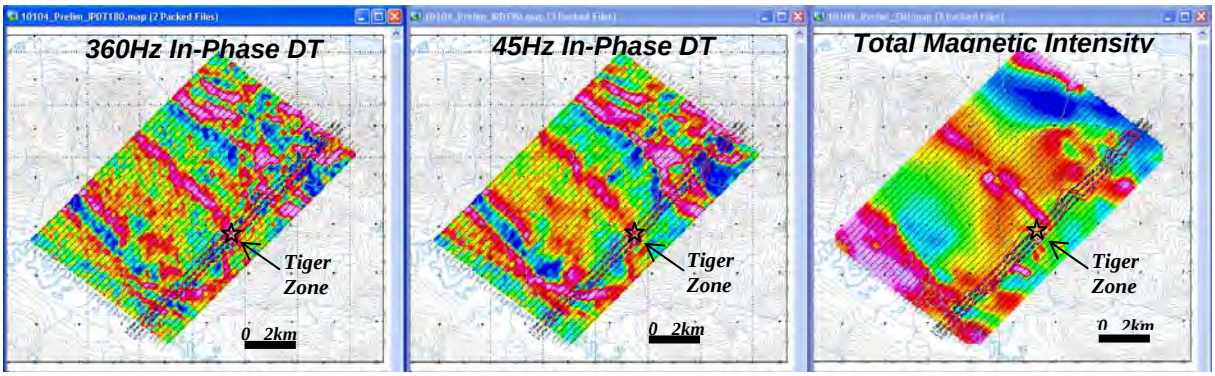

Figure F2: Rau Lake Block ZTEM 360Hz In-Phase DT (left), 45Hz In-Phase DT (center) and Total Magnetic Intensity (right), with 90Hz XIP & XQD profiles over 6 lines selected for inversion.

ZTEM 2D Inversions

ZTEM 2d inversions were performed across 3 lines (1250, 1260, 1270) from the Rau Block survey area, at the request of the client-consultant (R. Irvine, Condor Consulting, email comm., 7-Jun-2010), directly over the Tiger Zone.

The inversions were performed using the Zvert2d code developed for Geotech that is based on the 2D inversion code with Jacobians of de Lugao and Wannamaker (1996), the 2D forward code of Wannamaker et al (1987), and the Gauss-Newton parameter step equations of Tarantola (1987). The inversions utilized the In-line (Z/X) component, In-Phase & Quadrature data – spanning 30Hz to 720Hz – because of the 2D assumption the Cross-line (Z/Y) data were not utilized. The start model for the inversions was a 1k ohm-m half-space. The 150m average flight height of the receiver above the ground surface was accounted for during the inversion. The Zvert2d inversions also assume that the ZTEM Hz receiver data were referenced to a fixed base-station reference (Hx) situated 10km south. Using an error floor of 3.3-3.7%, the inversion converged to 0.98-0.99RMS in 5-6 iterations.

The inversion results for the 3 lines are shown as composite images in Figures F3-F5. In each figure, clockwise from upper left are: a) the raw data for each inversion line are shown in profile form, for the In-line (Z/X) In-Phase (XIP) over Quadrature (XQD), with the 90Hz data emphasized, and the Total Magnetic Intensity (TMI); b) the 90Hz (mid frequency) In-Phase DT (total divergence) grid, which converts cross-overs to peaks, along with the selected profile location, with 90Hz XIP and XQD emphasized; b) the corresponding 2d forward model profile curves from the inversion, with 90Hz XIP and XQD results emphasized; and d) the Zvert2d resistivity section, looking north, from surface to 2km depth, showing the observed versus calculated model fits for 90Hz – notice the good fit between the measured and calculated responses.

For each of the figures (F3-F5), each square is 1x1km. Resistivity highs in cool colours (max ~8k Ω-m) and lows in warm colours (min ~50 Ω-m). The 2D cross-sections are presented according to elevation, however the inversion results have been draped below the DEM topographic profile – topography was not accounted for during the inversion (flat-earth assumption). The approx. 0.99RMS fit indicates that the inversion model have converged, with a 3.0-4.0% error floor applied to IP & QD at all frequencies considered relatively moderate and indicative of mild 3D behaviour. The +/- 20-40% profile responses are relatively moderate amplitude, and the relative smoothness of the profiles are indicative of relatively high data quality. However these also likely reflect the fact that the contrasts are either moderate to strong or the targets are shallow, relative to other mining settings that have been observed previously – particularly for gold targets. But otherwise the patterns that observed are the same. The inversions each took roughly10 minutes to complete. The data were desampled to every 5-6 pts, or roughly 1pt per 50-60m, to allow for up to 200 pts to be input into the inversion. The statistical fit is good between modeled and observed (see 2d section profiles in Fig. F2-F5) and, overall, these look to be reasonable model results that appear to fit the geology.

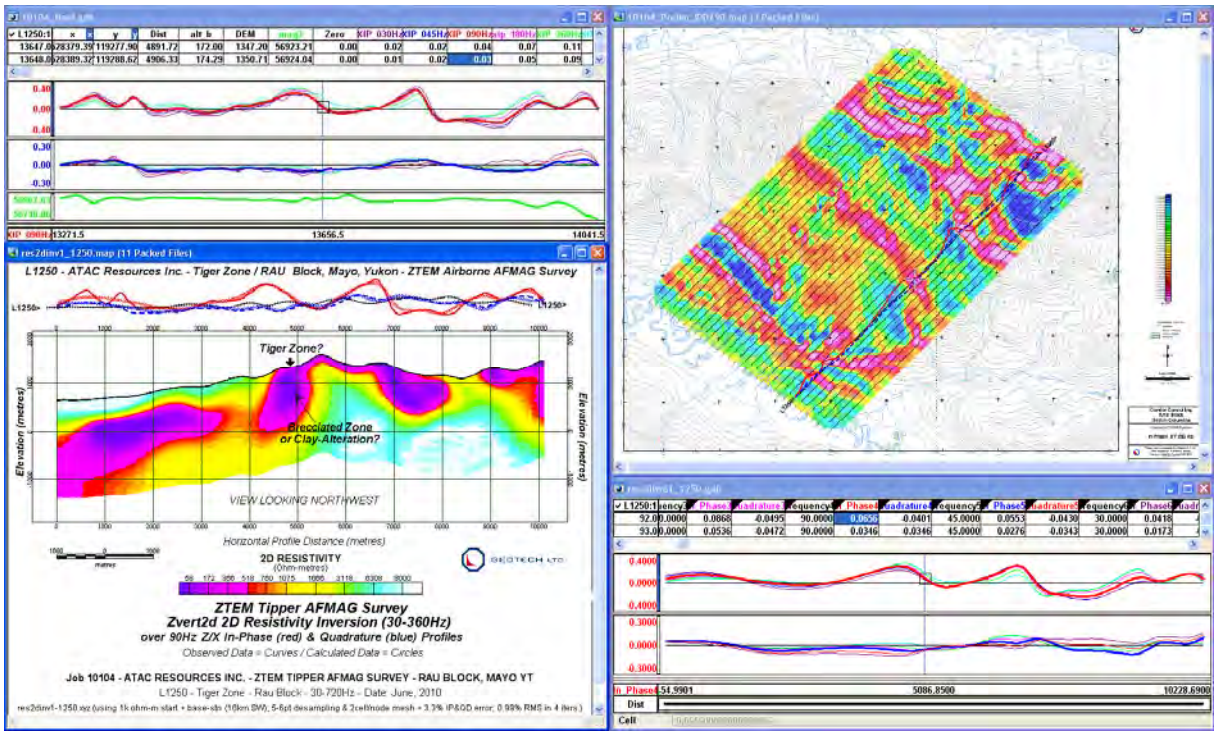

Figure F3: Composite image for **L1250** of a) ZTEM observed In-line (Z/X) & TMI profile data, b) ZTEM In-Phase 90Hz DT with L1250 highlighted and 90Hz XIP & XQD profiles; c) Zvert2d calculated In-line (Z/X) profile data, and d) Zvert2d resistivity inversion, and 90Hz Obs. Vs. Fwd XIP & XQD profile data.

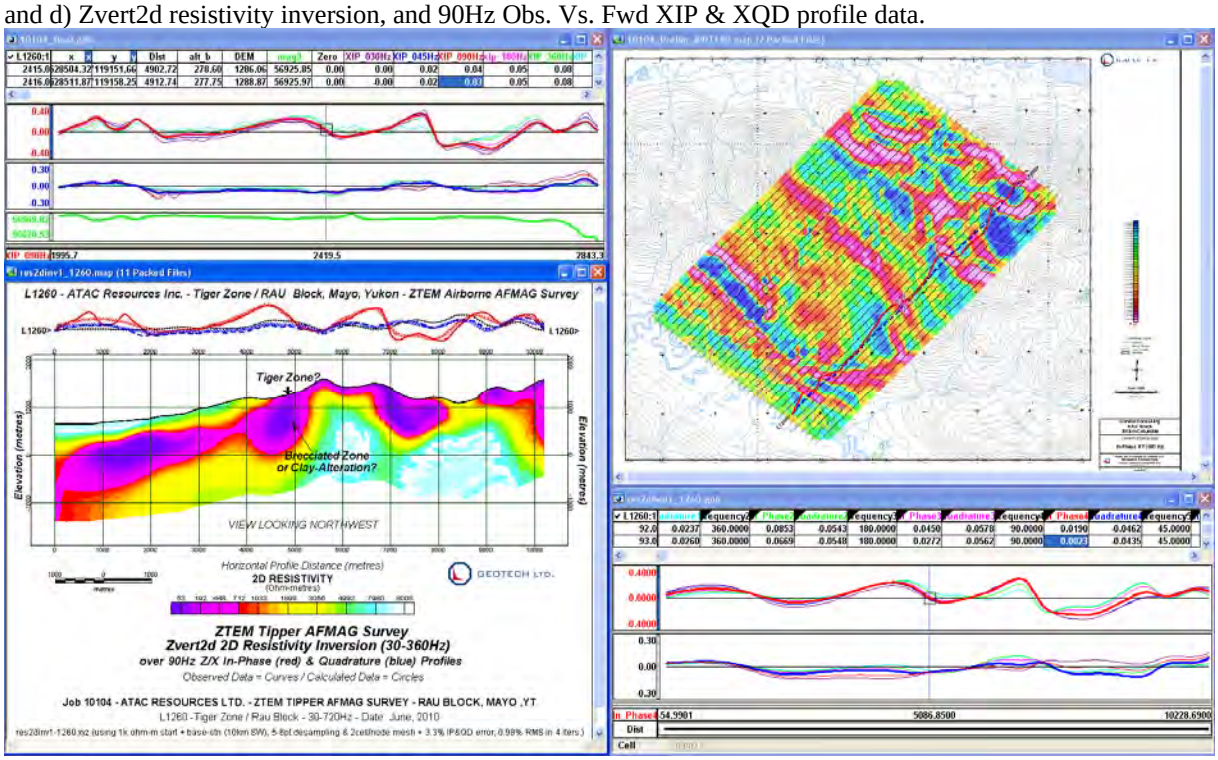

Figure F4: Composite image for **L1260** of a) ZTEM observed In-line (Z/X) & TMI profile data, b) ZTEM In-Phase 90Hz with L1260 highlighted and 90Hz XIP & XQD profiles; c) Zvert2d calculated In-line (Z/X) profile data, and d) Zvert2d resistivity inversion, and 90Hz Obs. Vs. Fwd XIP & XQD profile data.

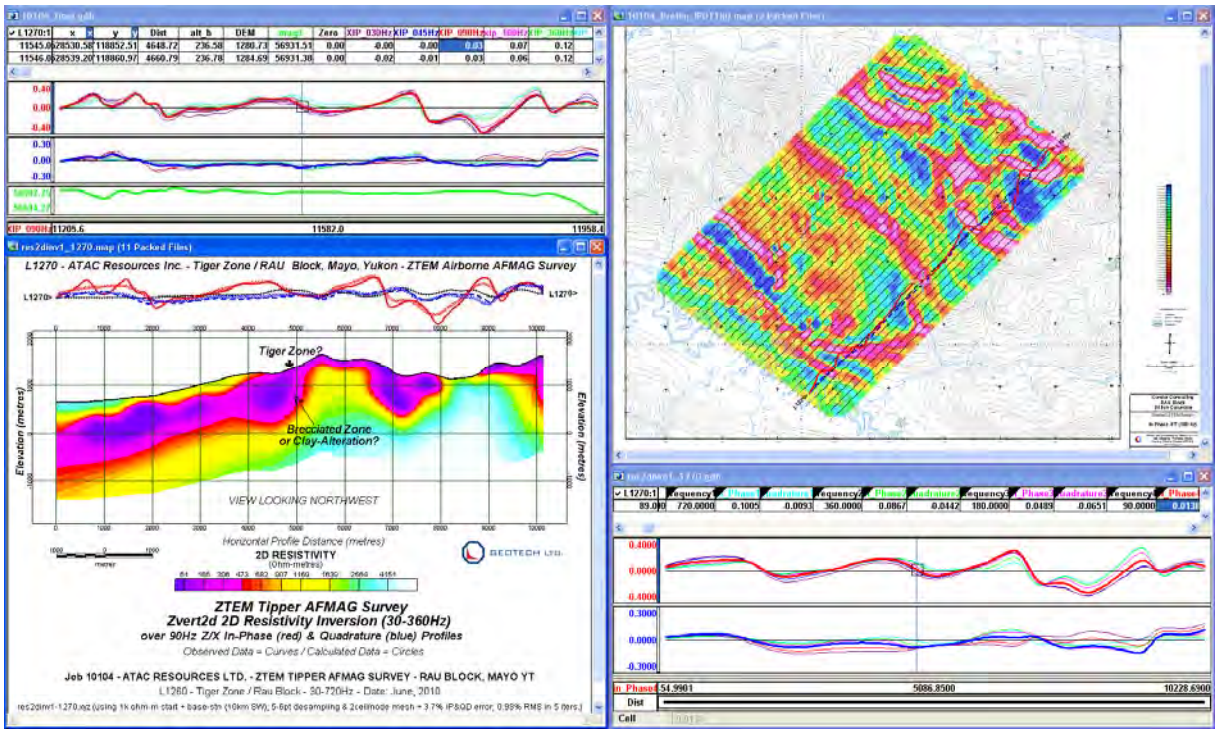

Figure F5. Composite image for **L1270** of a) ZTEM observed In-line (Z/X) & TMI profile data, b) ZTEM In-Phase 90Hz with L1270 highlighted and 90Hz XIP & XQD profiles; c) Zvert2d calculated In-line (Z/X) profile data, and d) Zvert2d resistivity inversion, and 90Hz Obs. Vs. Fwd XIP & XQD profile data.

The Zvert2d inversion of the ZTEM results for selected lines at Rao Block have defined bedrock resistivity structures that coincide with the Tiger Zone horizon and support the presence of 200-300m wide basement conductive zone that dips steeply and strengthens at 500-600m depth below the surface, before pinching at 1-1.3km depths. The 50 ohm-m minimum resistivities associated with the zone are consistent with either stringer to semi massive sulphides, alternately pervasive clay-alteration and/or brecciation. It appears to be associated with a flat-lying, stratigraphic or layer-like horizon that extends southeast, at 300-500m depths. A similar conductive, NE-striking structure, with moderate NE dips and lying roughly 2km further northeast, represents another favourable target.

Additional modeling and inversion are recommended for the ZTEM results and comparisons with VTEM data for potential more massive sulphide type mineralization. Better resolution will be obtained across shorter (4-5km) windowed profiles. Areas with pronounced cross-line behaviour are recommended to be interpreted using 3D modeling and inversion. More accurate models and depth estimates are expected when better apriori information on bulk resistivity are available and used as starting models for the inversions. Derivative analyses and more advanced magnetic modeling may provide insight on the nature and geometry of accompanying magnetic structures. Ground follow-up with induced polarization, audio-magnetotellurics or fixed loop EM are recommended prior to drill-testing.

Respectfully submitted

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Geotech Ltd – Aurora ON
December, 2009

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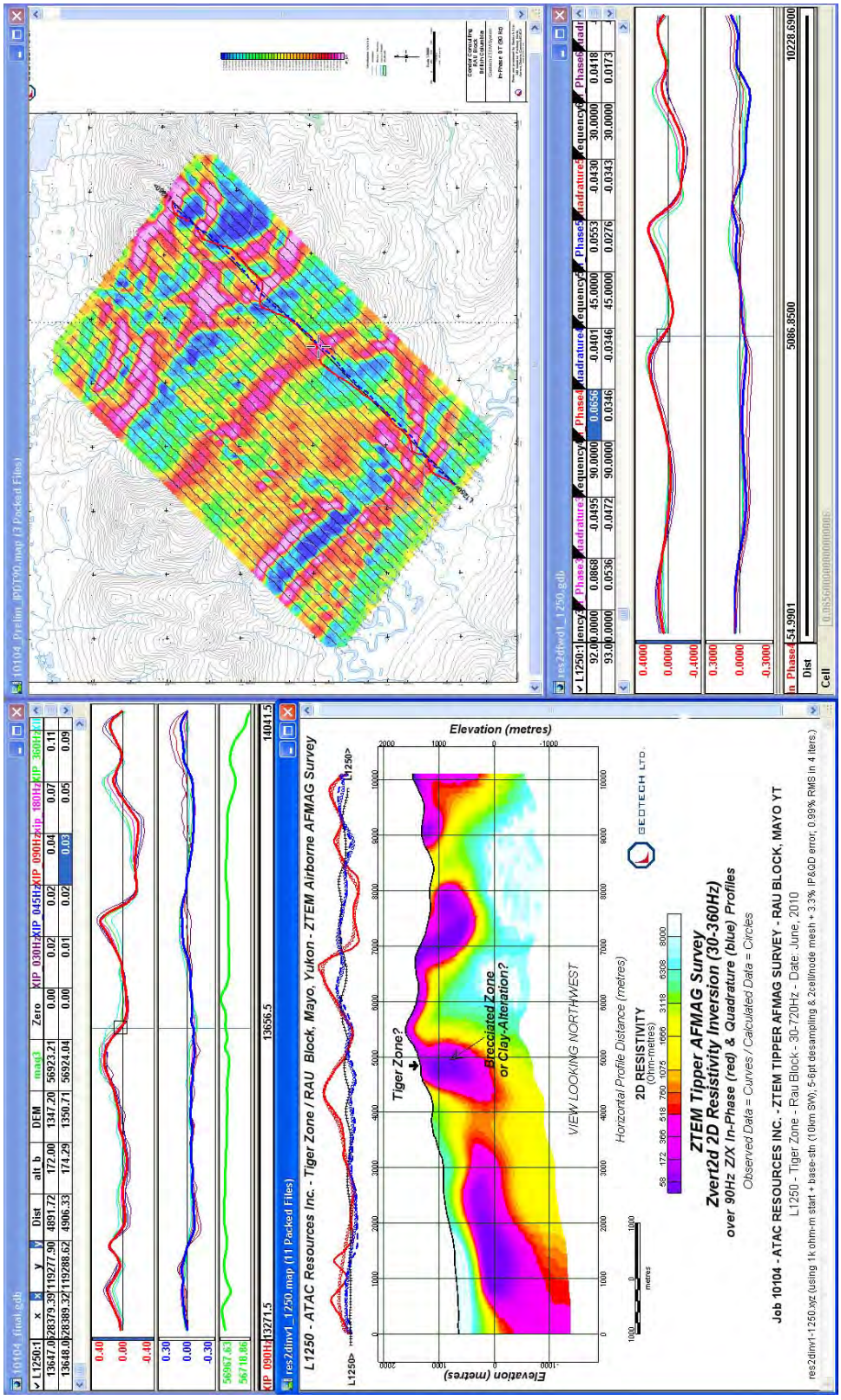
L1250 - ATAC Resources Inc. - Tiger Zone / RAU Block, Mayo, Yukon - ZTEM Airborne AFMAG Survey
Elevation (metres)
Tiger Zone?
Brecciated Zone
or Clay-Alteration?
VIEW LOOKING NORTHWEST
Horizontal Profile Distance (metres)
2D RESISTIVITY
(Ohm-metres)
GEOTECH LTD.
ZTEM Tipper AFMAG Survey
Zvert2d 2D Resistivity Inversion (30-360Hz)
over 90Hz ZX In-Phase (red) & Quadrature (blue) Profiles
Observed Data = Curves / Calculated Data = Circles
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L1250 - Tiger Zone - Rau Block - 30-720Hz - Date: June, 2010

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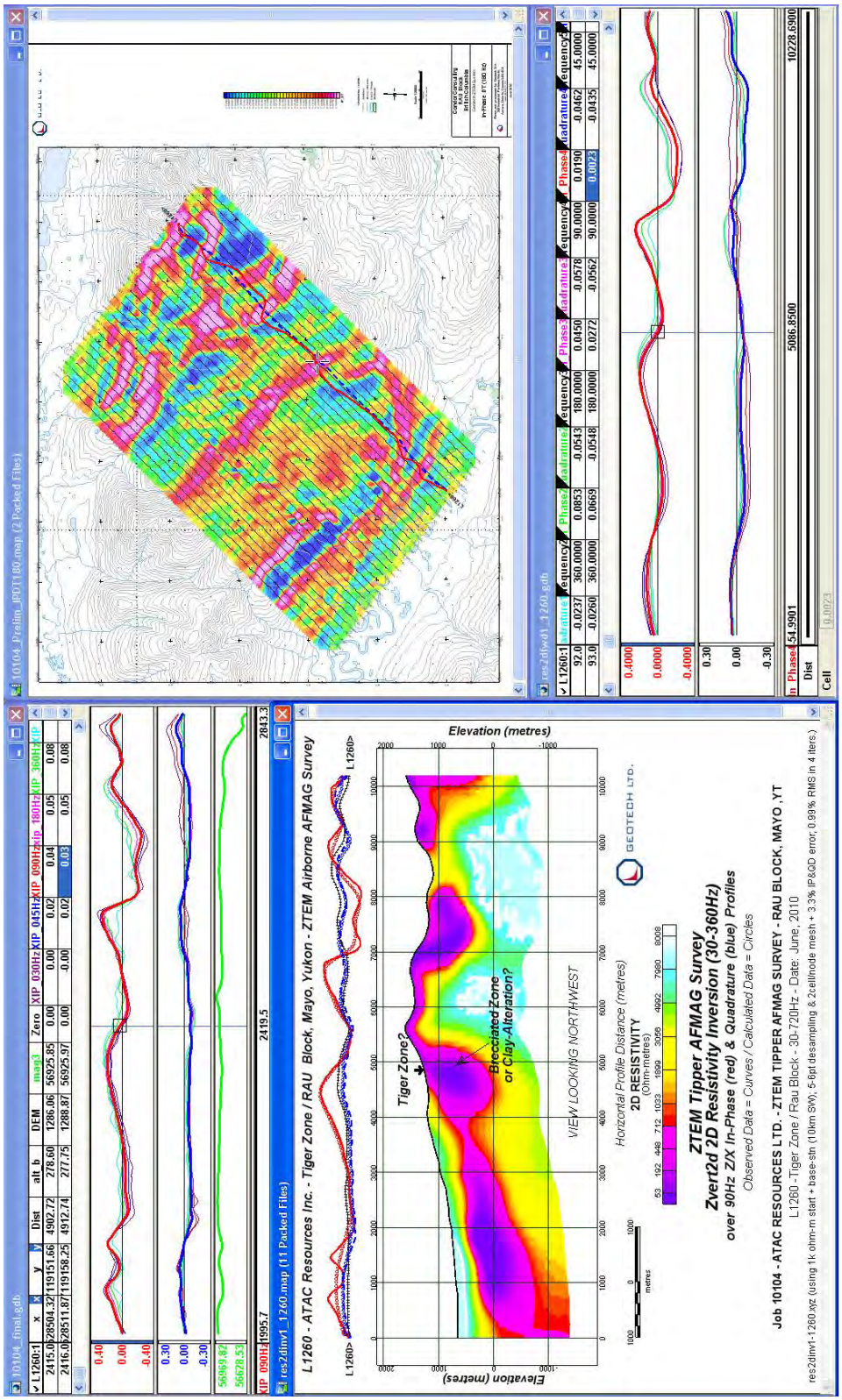
L1260 - ATAC Resources Inc. - Tiger Zone / RAU Block, Mayo, Yukon - ZTEM Airborne AFMAG Survey
Tiger Zone?
Brecciated Zone or Clay-Alteration?
VIEW LOOKING NORTHWEST
Elevation (metres)
Horizontal Profile Distance (metres)
2D RESISTIVITY
(Ohm-metres)
GEOTECH LTD.
ZTEM Tipper AFMAG Survey
Zvert2d 2D Resistivity Inversion (30-360Hz)
over 90Hz Z/X In-Phase (red) & Quadrature (blue) Profiles
Observed Data = Curves / Calculated Data = Circles
Job 10104 - ATAC RESOURCES LTD. - ZTEM TIPPER AFMAG SURVEY - RAU BLOCK, MAYO , YT
L1260 - Tiger Zone / Rau Block - 30-720Hz - Date: June, 2010
res2dinv1-1260.xyz (using 1k ohm-m start + base-stn (10km SW); 5-6pt desampling & 2cellnode mesh + 3.3% IP&QD error; 0.99% RMS in 4 iters.)

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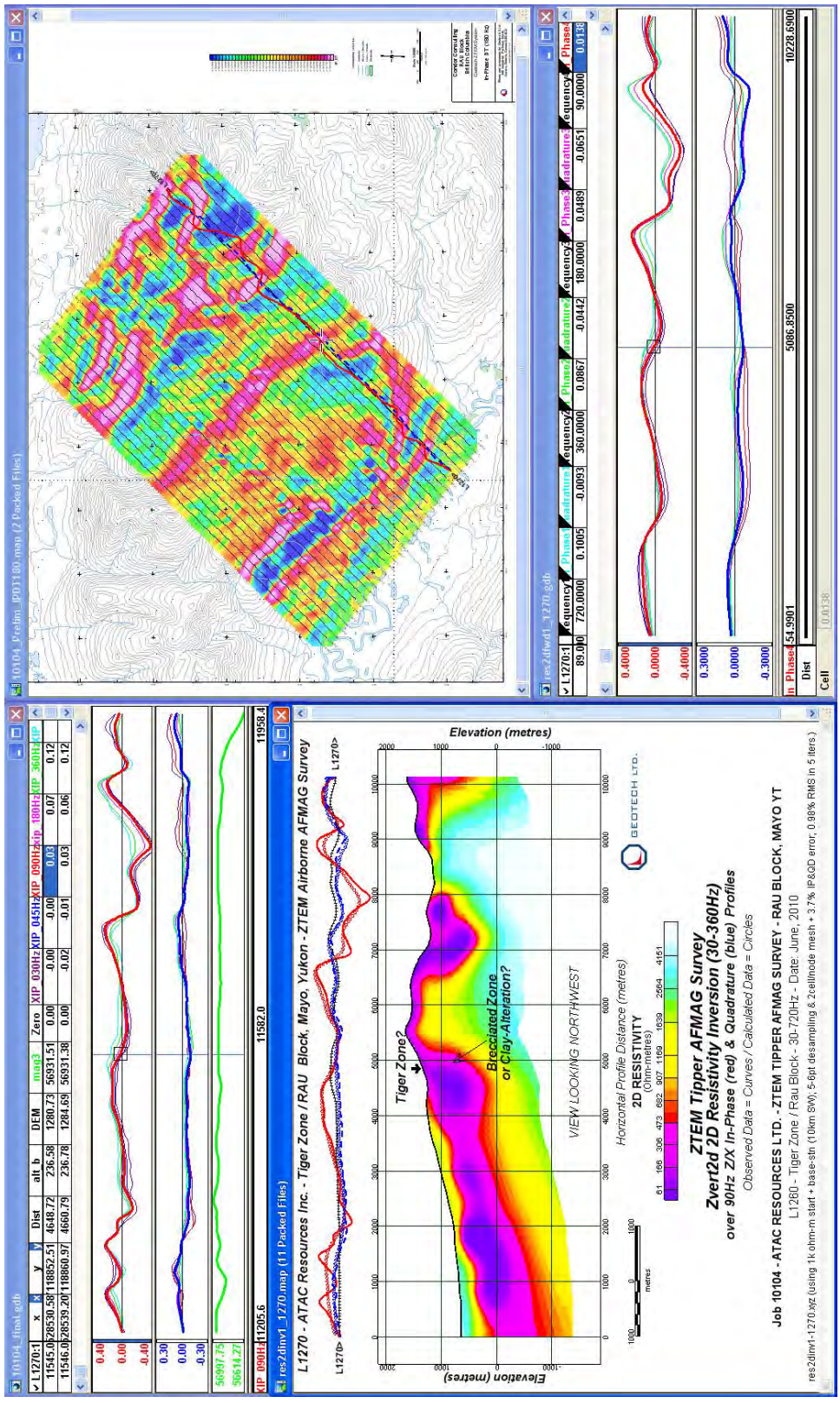
L1270 - ATAC Resources Inc. - Tiger Zone / RAU Block, Mayo, Yukon - ZTEM Airborne AFMAG Survey
Tiger Zone?
Brecciated Zone
or Clay-Alteration?
VIEW LOOKING NORTHWEST
Elevation (metres)
Horizontal Profile Distance (metres)
2D RESISTIVITY
(Ohm-metres)
GEOTECH LTD.
ZTEM Tipper AFMAG Survey
Zvert2d 2D Resistivity Inversion (30-360Hz)
over 90Hz ZX In-Phase (red) & Quadrature (blue) Profiles
Observed Data = Curves / Calculated Data = Circles
Job 10104 - ATAC RESOURCES LTD. - ZTEM TIPPER AFMAG SURVEY - RAU BLOCK, MAYO YT
L1280 - Tiger Zone / Rau Block - 30-720Hz - Date: June, 2010

Line 1270

REPORT ON A HELICOPTER-BORNE Z-AXIS TIPPER ELECTROMAGNETIC (ZTEM) AND AEROMAGNETIC GEOPHYSICAL SURVEY

Rau Project
Mayo, Yukon

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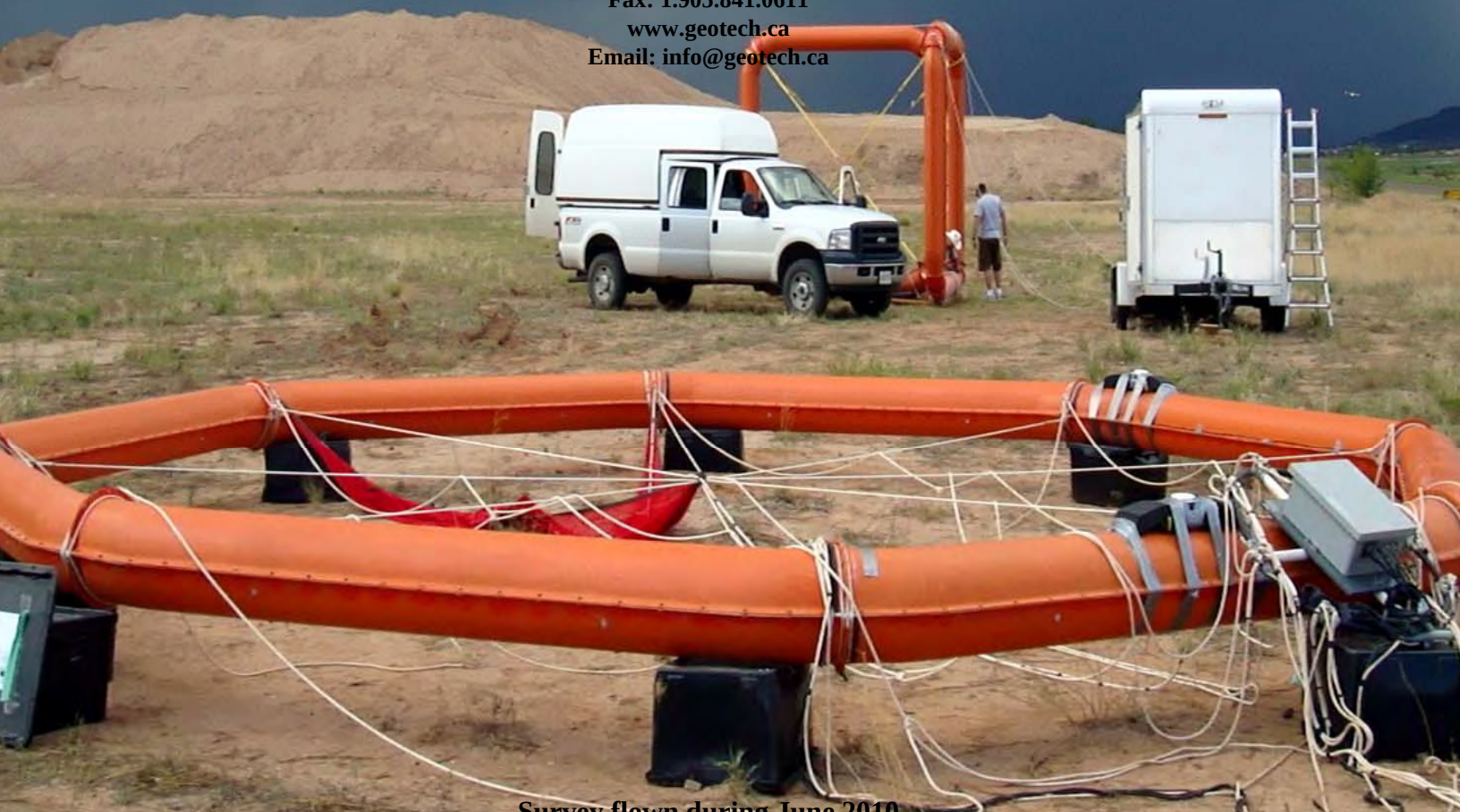

Survey flown during June 2010
Project 10116
August, 2010

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REPORT ON A HELICOPTER-BORNE Z-AXIS, TIPPER ELECTROMAGNETIC GEOPHYSICAL SURVEY

Rau Project
Mayo, Yukon

Executive Summary

During June 14th to June 22nd, 2010 Geotech Ltd. carried out a helicopter-borne geophysical survey for ATAC Resources Ltd. over the Rau Project situated near Mayo, Yukon, Canada.

Principal geophysical sensors included a Z-Axis Tipper electromagnetic (ZTEM) system, and a caesium magnetometer. Ancillary equipment included a GPS navigation system and a radar altimeter. A total of 3018.6 line-kilometres were planned to be flown.

The survey operations were based out of McQuesten Camp near Mayo, Yukon. In-field data quality assurance and preliminary processing were carried out on a daily basis during the acquisition phase. Preliminary and final data processing, including generation of final digital data and map products were undertaken from the office of Geotech Ltd. in Aurora, Ontario.

The survey report describes the procedures for data acquisition, processing, final image presentation and the specifications for the digital data set. There is no summary interpretation included in this report. However, for final presentation purposes data from Geotech job 10104 for ATAC Resources Ltd. have been merged with this data set.

1. INTRODUCTION

1.1 General Considerations

These services are the result of the Agreement made between Geotech Ltd. and ATAC Resources Ltd to perform a helicopter-borne geophysical survey over the Rau Project located near Mayo Yukon, Canada (Figure 1).

Richard Irvine and Graham Downs acted on behalf of ATAC Resources Ltd. during the data acquisition and data processing phases of this project.

The geophysical surveys consisted of helicopter borne AFMAG Z-axis Tipper electromagnetic (ZTEM) system and aero magnetics using a caesium magnetometer. A total of 3045.3 line kilometres of geophysical data were acquired during the survey. The survey area is shown in Figure 2.

In a ZTEM survey, a single vertical-dipole air-core receiver coil is flown over the survey area in a grid pattern, similar to regional airborne EM surveys. Two orthogonal, air-core horizontal axis coils are placed close to the survey site to measure the horizontal EM reference fields. Data from the three coils are used to obtain the Z/X and Z/Y Tipper (Vozoff, 1972) components at six frequencies in the 30 to 720 Hz band. The ZTEM was used to map geology using resistivity contrasts and magnetometer data were also collected to help map geology using magnetic susceptibility contrasts.

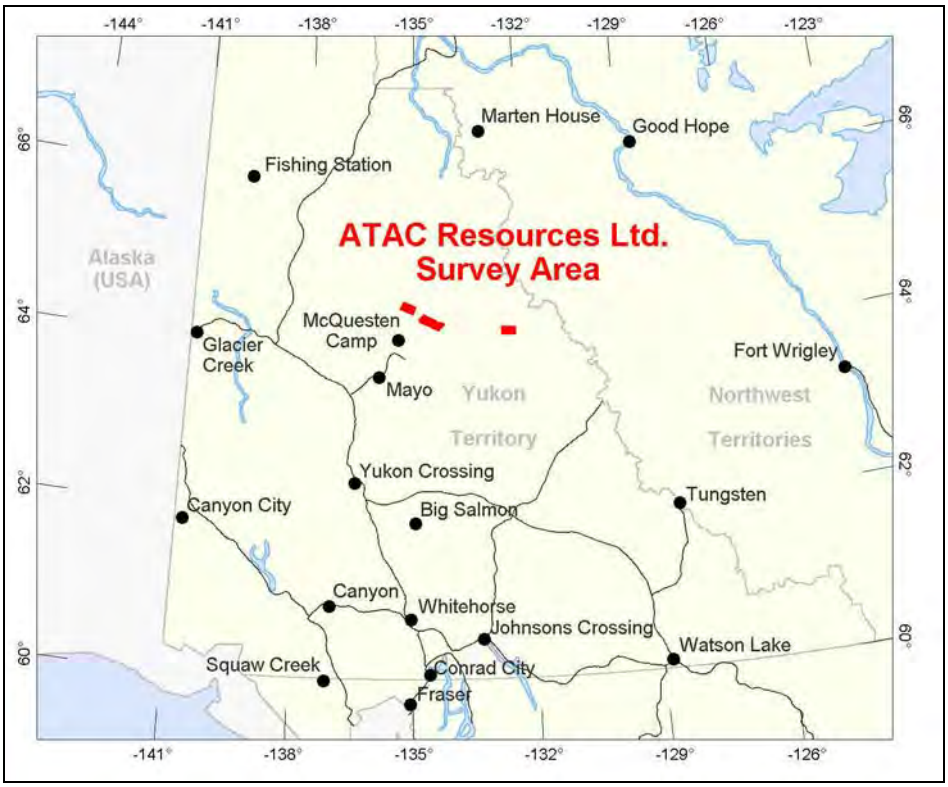

Figure 1 -Property Location

The crew was based in McQuesten Camp near Mayo, Yukon, for the acquisition phase of the survey. Survey flying started on June 14th and was completed on June 22nd, 2010.

Data quality control and quality assurance, and preliminary data processing were carried out on a daily basis during the acquisition phase of the project. Final reporting, data presentation and archiving were completed from the Aurora office of Geotech Ltd. in August, 2010.

1.2 Survey Location

The Rau Project is located approximately 95 kilometres to the northeast of Mayo, Yukon as shown in Figure 2.

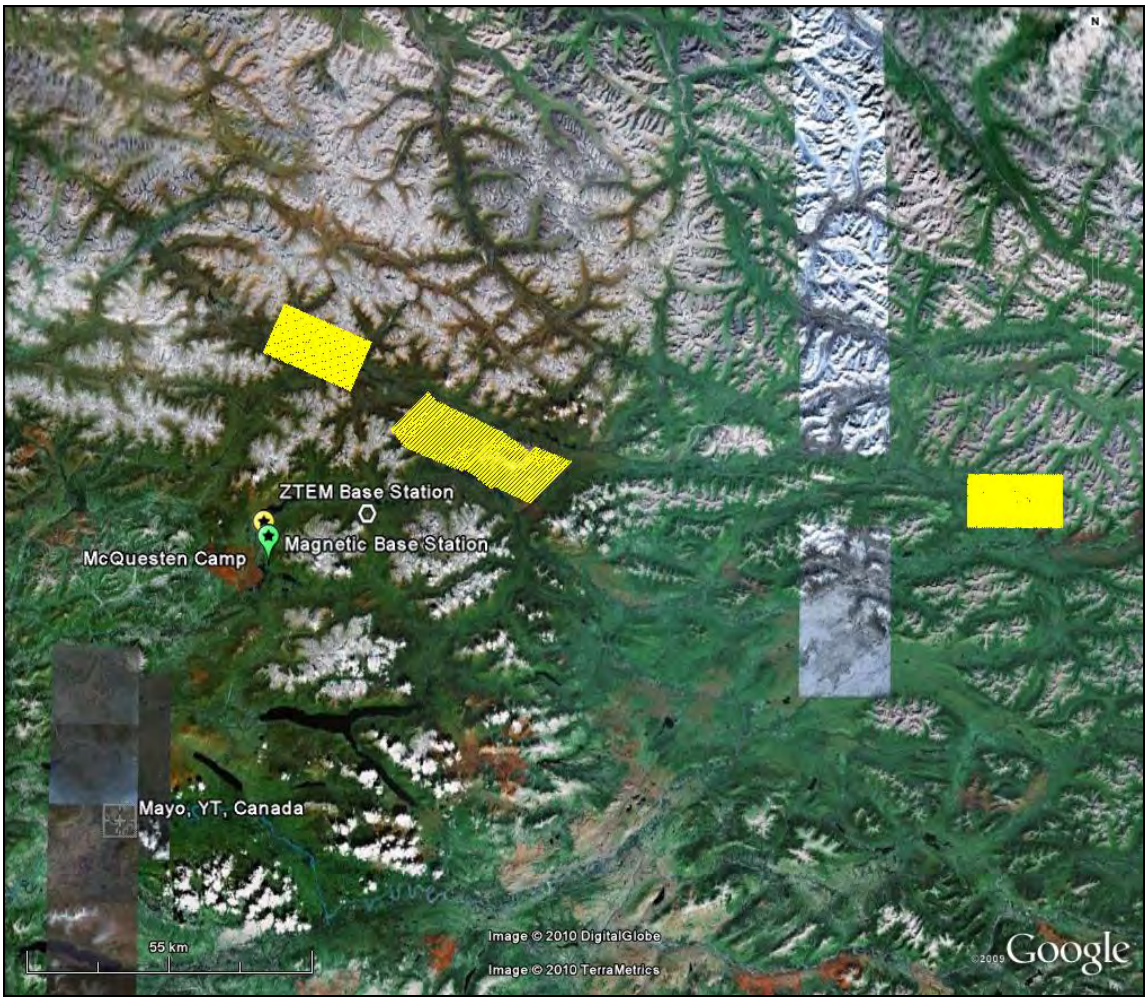

Figure 2 – Rau Project, with ZTEM and Magnetic Base Station Locations

The Rau Project was flown in Southwest to Northeast directions for the Central (N 45° E / N 225° E) and West (N 24° E / N 204° E) sections and a North to South (N 0° E / N 180° E) for the East section, with a flight line spacing of 200 metres, as depicted in Figure 3. Tie lines were neither planned nor flown. For more detailed information on the flight spacing and direction see Table 1.

1.3 Topographic Relief and Cultural Features

The Rau Project exhibits high relief covering a total of approximately 600 square kilometres, with elevations ranging from 565 to 1996 meters above sea level (see Figure 3). There are numerous rivers, streams, and small lakes located throughout the survey area. There is also a road running North-South through the Central section of the survey area. Special care is recommended in identifying any other potential cultural features from other sources that might be recorded in the data. The survey block covers a number of Yukon Mining Claims, which are shown in Appendix A. The survey block is covered by NTS (National Topographic Survey) of Canada sheets 106D01, 106D02, 106D06, 106D07, 106D08, 106C01, and 106C02.

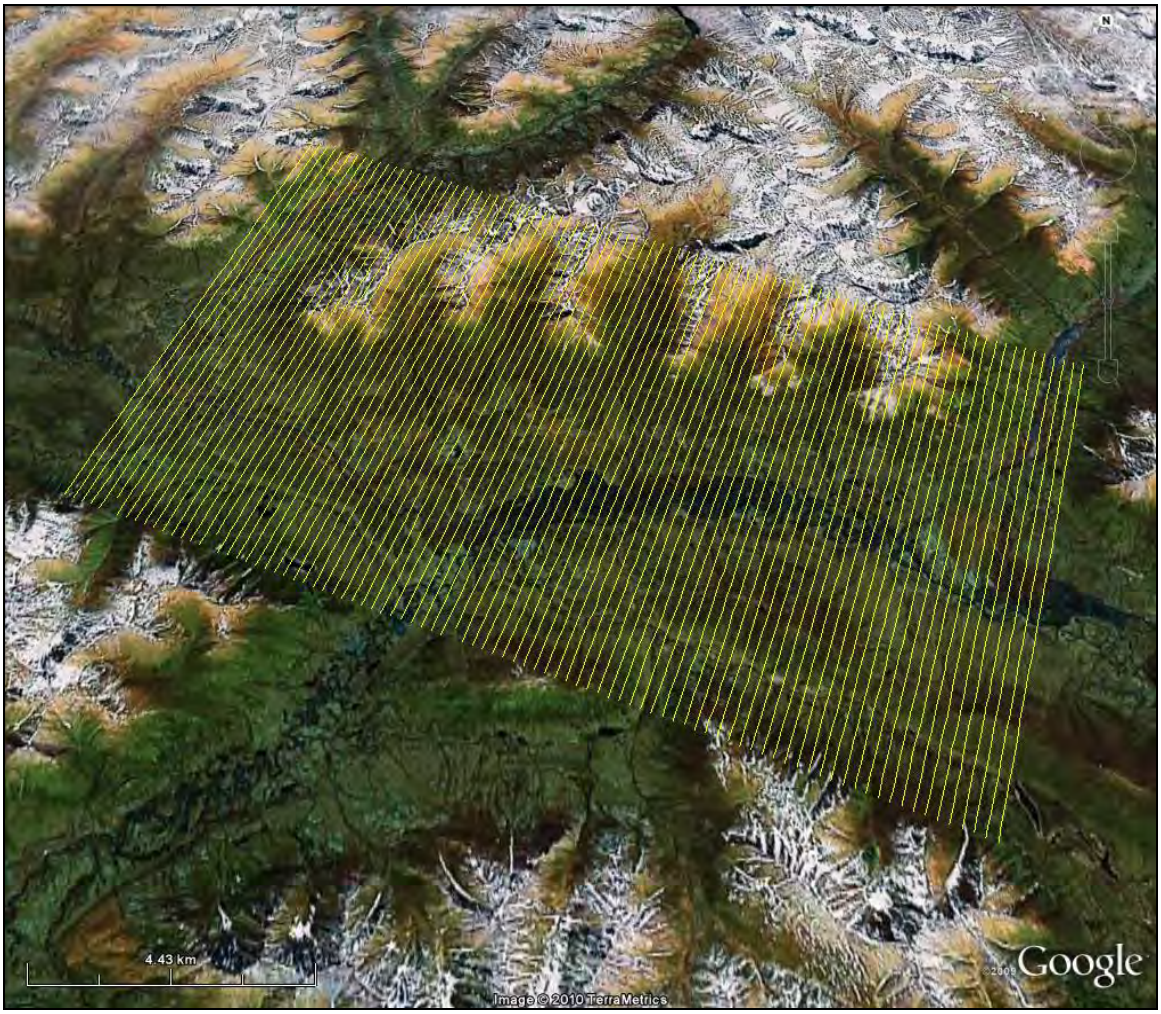

Figure 3 – Google Earth image of the Rau Project, West section

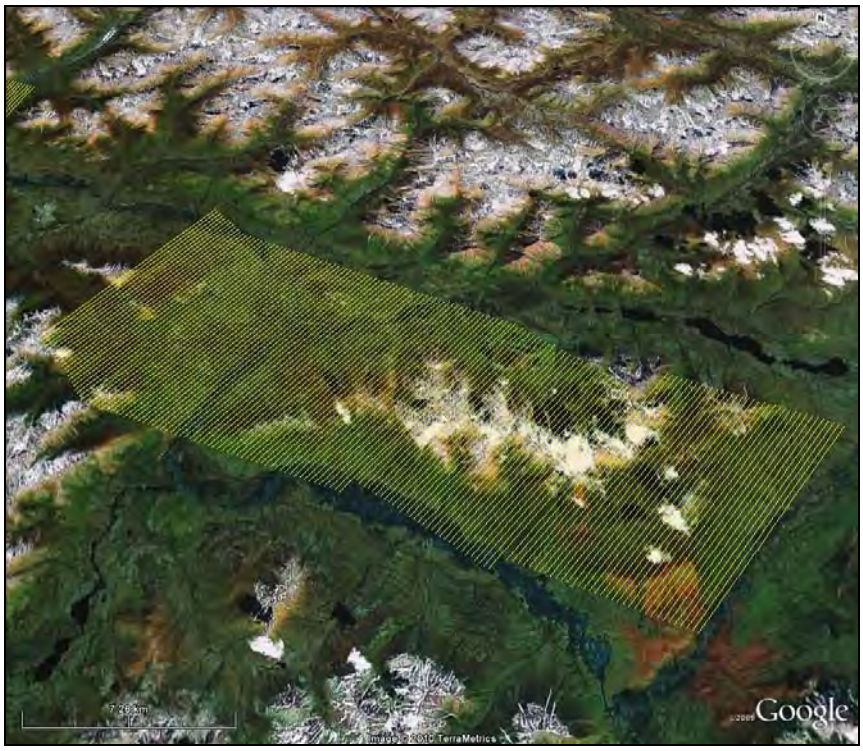

Figure 4 - Google Earth image of the Rau Project, Central section

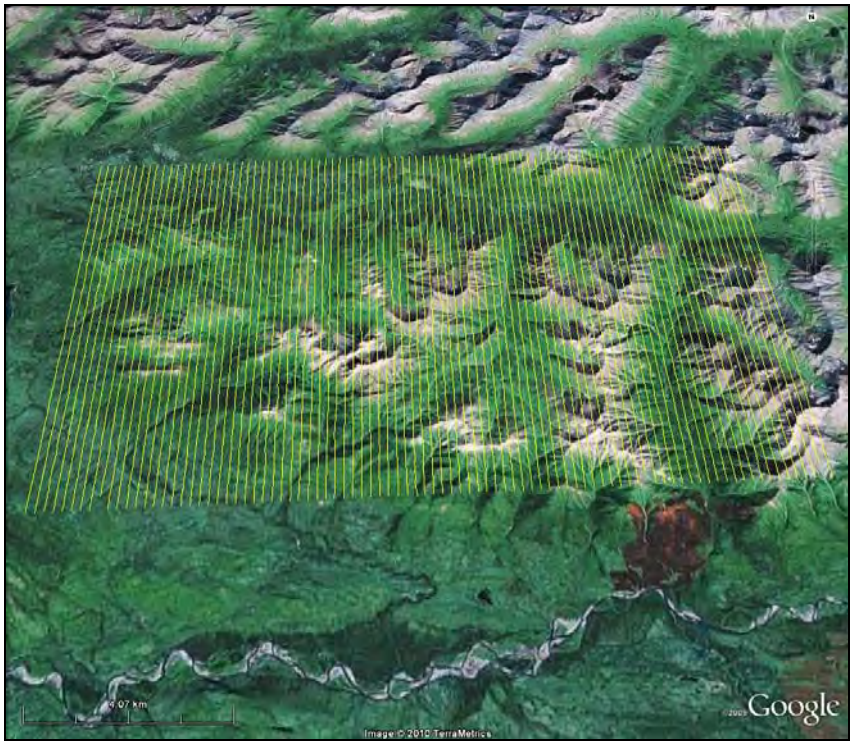

Figure 5 - Google Earth image of the Rau Project, East section

2. DATA ACQUISITION

2.1 Survey Area

The survey block (see Location map in Appendix A and Figure 2) and general flight specifications are as follows:

Table 1 - Survey Specifications

Survey block	Traverse Line spacing (m)	Area (Km^2)	Planned Line-km	Actual[1] Line-km	Flight direction	Line numbers[2]
West	Traverse: 200	180	912	922.9	N 24° E / N 204° E	L7000 – L7900
	Tie: n/a				n/a	n/a
Central	Traverse: 200 Tie: n/a	240	1194.4	1199.3	N 45° E / N 225° E	L5880 – L6980
					n/a	n/a
East	Traverse: 200 Tie: n/a	180	912.2	923.1	N 0° E / N 180° E	L1000 – L1900
					n/a	n/a
TOTAL		**600**	**3018.6**	**3045.3**		

Survey block boundaries co-ordinates are provided in Appendix B.

2.2 Survey Operations

Survey operations were based out of McQuesten Camp, Yukon from June 14th to June 22nd, 2010. The following table shows the timing of the flying.

Table 2 - Survey schedule

Date	Flight #	Block	Crew location	Comments
06-14-2010	1,2	Central	McQuesten Camp	Production
06-15-2010	3,4,5,6	Central	McQuesten Camp	Production
06-16-2010	7,8,9	Central	McQuesten Camp	Production
06-17-2010	10,11,12,13	Central/West	McQuesten Camp	Production
06-18-2010	14,15,16,17,18	West	McQuesten Camp	Production
06-19-2010			McQuesten Camp	No Production due to weather
06-20-2010	19,20,21,22,23	West/East	McQuesten Camp	Production
06-21-2010	24,25,26,27	East	McQuesten Camp	Production
06-22-2010	28,29,30	East	McQuesten Camp	Production Job Complete

[1] Actual line-km represents the total line-km contained in the final databases. These line-km normally exceed the Planned line-km's, as indicated in the survey NAV files.

[2] Note that lines 4000 – 4310 are from Geotech job 10104 for ATAC Resources Ltd.

2.3 Flight Specifications

During the survey the helicopter was maintained at a mean height of 260 metres above the ground with a nominal survey speed of 80 km/hour for the survey block. This allowed for a nominal EM sensor terrain clearance of 186 metres and a magnetic sensor clearance of 203 metres.

The output data sampling rate from the acquisition program was 0.4 second for electromagnetics, 0.1 second for magnetometer and 0.2 second for altimeter and GPS. This translates to electromagnetic readings at approximately 10m intervals and magnetic readings roughly every 2 to 5 metres along flight track. Navigation was assisted by a CDGPS receiver and data acquisition system, which reports GPS co-ordinates as latitude/longitude and directs the pilot over a pre-programmed survey flight path.

The operator was responsible for monitoring of the system integrity. He also maintained a detailed flight log during the survey, tracking the times of the flight as well as any unusual geophysical or topographic feature.

On return of the aircrew to the base camp the survey data was transferred from a compact flash card (PCMCIA) to the data processing computer. The data were then uploaded via ftp to the Geotech office in Aurora for daily quality assurance and quality control by trained personnel, operating remotely.

2.4 Aircraft and Equipment

2.4.1 Survey Aircraft

The survey was flown using a Eurocopter Aerospatiale (Astar) 350 B3 helicopter, registration number C-FEDS. The helicopter was owned and operated by Geotech Aviation. Installation of the geophysical and ancillary equipment was carried out by Geotech Ltd.

2.4.2 Airborne Receiver

The airborne ZTEM receiver coil measures the vertical component (Z) of the EM field. The receiver coil is a Geotech Z-Axis Tipper (ZTEM) loop sensor which is isolated from most vibrations by a patented suspension system and is encased in a fibreglass shell. It is towed from the helicopter using a 90 metre long cable as shown in Figure 6. The cable is also used to transmit the measured EM signals back to the data acquisition system.

The coil has a 7.4 metre diameter with an orientation to the Vertical Dipole. The digitizing rate of the receiver is 2000 Hz. Attitudinal positioning of the receiver coil is enabled using 3 GPS antennas mounted on the coil. The output sampling rate is 0.4 seconds (see Section 2.4.7)

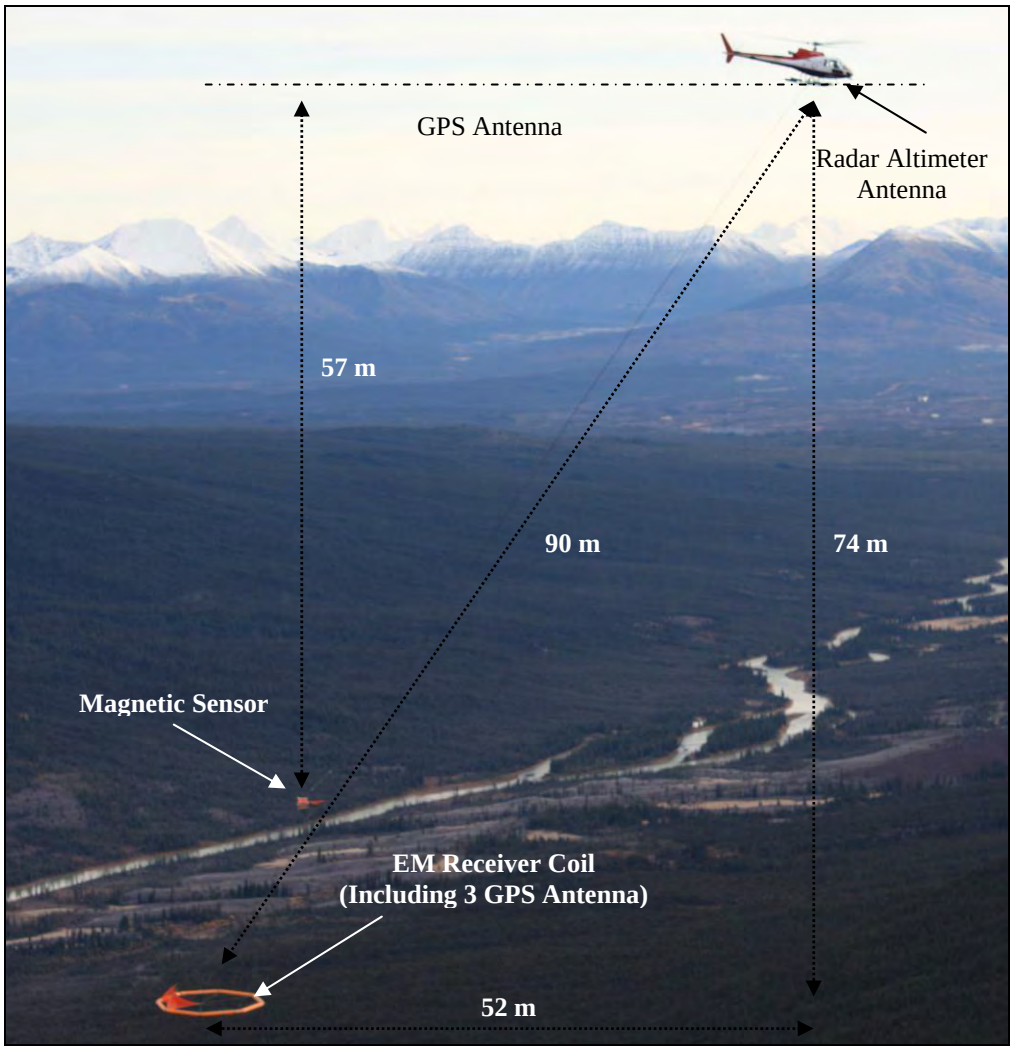

Figure 6 - ZTEM System Configuration

2.4.3 Base Station Receiver

The two Geotech ZTEM base station receiver coils measure the orthogonal, horizontal X and Y components of the EM reference field. They are set up perpendicular to each other and roughly oriented according to the flight line direction. The orientation of both units is not critical as the horizontal field can be further decomposed into the two orientations of the survey flight. The orientation of the base stations were measured using a compass.

The base station coils each have a diameter of 3.5 meters, with the coil orientations to the horizontal dipole, as shown in Figure 7.

The Rau Project base station receiver coils were installed in a remote area outside the survey block (64.119913°N, 134.477561° W). The coils were oriented perpendicular to each other: Coil A was oriented at a N 31° E direction, with coil B oriented at an N 301° E direction.

Figure 7 - ZTEM base station receiver coils.

2.4.4 Airborne magnetometer

The magnetic sensor utilized for the survey was a Geometrics split-beam optically pumped caesium vapour magnetic field sensor, mounted in a separate bird, and towed on a cable at a mean distance of 57 metres below the helicopter (Figure 6). The sensitivity of the magnetic sensor is 0.02 nanoTesla (nT) at a sampling interval of 0.1 seconds. The magnetometer will perform continuously in areas of high magnetic gradient with the ambient range of the sensor approximately 20k-100k nT. The Aerodynamic magnetometer noise is specified to be less than 0.5 nT. The magnetometer sends the measured magnetic field strength as nanoTesla to the data acquisition system via the RS-232 port.

2.4.5 Radar Altimeter

A Terra TRA 3000/TRI 40 radar altimeter was used to record terrain clearance. The antenna was mounted beneath the bubble of the helicopter cockpit.

2.4.6 GPS Navigation System

The navigation system used was a Geotech PC104 based navigation system utilizing a NovAtel CDGPS (Canada-Wide Differential Global Positioning System Correction Service) enabled Propak V3-RT20 GPS receiver. Geotech's Navigate software, using a full screen display with controls in front of the pilot, allows him to direct the flight.

5 NovAtel GPS antennas are utilized during the survey; one is mounted on the helicopter tail (Figure 6), one installed with the Receiver Base Station (Figure 7) and three are mounted on the airborne receiver (Figure 6). As many as 14 GPS and two CDGPS satellites may be monitored at any one time. The horizontal positional accuracy or circular error probability (CEP) is 1.8 m, with CDGPS active, it is 0.6 m. The co-ordinates of the block were set-up prior to the survey and the information was fed into the airborne navigation system.

2.4.7 Digital Acquisition System

The power supply and the data acquisition system are mounted on an equipment rack which is installed into the helicopter. Signal and power wires are run through the helicopter to connect on to the tow cable outside. The tow cable supports the ZTEM and magnetometer birds during flight via a safety shear pin connected to the helicopter hook. The major power and data cables have a quick disconnect safety feature as well. The installation was undertaken by the Geotech Ltd. crew and was certified before surveying.

A Geotech data acquisition system recorded the digital survey data on an internal compact flash card. Data is displayed on an LCD screen as traces to allow the operator to monitor the integrity of the system. The data type and sampling interval as provided in Table 3.

Table 3 - Acquisition and Processing Sampling Rates

DATA TYPE	ACQUISITION SAMPLING	PROCESSING SAMPLING
ZTEM Receiver	0.0005 sec	0.4 sec
Magnetometer	0.1 sec	0.4 sec
GPS Position	0.2 sec	0.4 sec
Radar Altimeter	0.2 sec	0.4 sec
ZTEM Base station	0.0005 sec	– –

2.4.8 Mag Base Station

A combined magnetometer/GPS base station was utilized on this project. A Geometrics Caesium split-beam vapour magnetometer was used as a magnetic sensor with a sensitivity of 0.001 nT. The base station was recording the magnetic field together with the GPS time at 1 Hz on a base station computer.

The base station magnetometer sensors for the Rau Project (64°03’25”N, 135°21’ 07”W) were installed to the west of the camp away from electric transmission lines and moving ferrous objects such as motor vehicles. The base station data were backed-up to the data processing computer at the end of each survey day.

3. PERSONNEL

The following Geotech Ltd. personnel were involved in the project.

Field:

Project Manager:	Darren Tuck (Office)
Data QA/QC:	Rafael Coyoli (Office)
Crew chiefs:	Robert Rus, Roger LeBlanc
System Operator:	Brandon Gray

The survey pilot and the mechanical engineer were employed directly by the helicopter operator –Geotech Aviation Ltd.

Pilot:	Lorne Coleman
Mechanical Engineer:	Mike Rozon

Office:

Preliminary Data Processing:	Rafael Coyoli
Final Data Processing:	Biljana Milicevic
Final Data QC:	Greg Roman
Reporting/Mapping:	Kyle Orlowski

Data acquisition phase was carried out under the supervision of Andrei Bagrianski, P. Geo, Surveys Manager. Processing phase was carried out under the supervision of Gord Smith, Manager of Data Processing. The Interpretation phase was under the supervision of Jean Legault, P. Geo. The overall contract management and customer relations were by Paolo Berardelli.

4. DATA PROCESSING AND PRESENTATION

Data compilation and processing were carried out by the application of Geosoft OASIS Montaj and programs proprietary to Geotech Ltd.

4.1 Flight Path

The flight path, recorded by the acquisition program as WGS 84 latitude/longitude, was converted into the WGS84, UTM Zone 8 North coordinate system in Oasis Montaj.

The flight path was drawn using linear interpolation between x, y positions from the navigation system. Positions are updated every second and expressed as UTM easting's (x) and UTM northing's (y).

4.2 In-field Processing and Quality Control

In-Field data processing and quality control are done on a flight by flight basis by a qualified data processor (see Section 3.0). Processing steps and check up procedures are designed to assure the best possible final quality of ZTEM survey data. A general overview of those steps is presented in the following paragraphs.

The In-Field quality control can be separated into several phases:

a. GPS Processing Phase: GPS Data are first examined and evaluated during the GrafMov processing.
b. Raw data, ZTEM viewer phase:

   Data can be viewed, examined for consistency, individual channel spectra examined and overall noise estimated in the viewer provided by the ZTEM proprietary software, on the raw flight data and raw base station data separately, on the merged data, and finally on the data that have undergone ZTEM processing.
c. Field Geosoft phase:

   Magnetic data, Radar altimeter data, GPS positioning data are re-examined and processed in this phase. Prior to splitting the lines EM data are examined flight by flight and the effectiveness of applying the attitude correction evaluated. After splitting the lines, a set of grids are generate for each parameter and their consistency evaluated. Data profiles are also re-evaluated on a line to line basis. A power line monitor channel is available in order to identify power line noise.

4.3 GPS Processing

Three GPS sensor (mounted on the airborne receiving loop) measurements were differentially corrected using the Waypoint GrafMov^{TM} software in order to yield attitude corrections to recorded EM data.

4.4 ZTEM Electromagnetic Data

The ZTEM data were processed using proprietary software. Processing steps consist of the following preliminary and final processing steps:

4.4.1 Preliminary Processing

a. Airborne EM, Mag, radar altimeter and GPS data are first merged with EM base station data into one file.
b. Merged data are viewed and examined for consistency in an incorporated viewer
c. In the next, processing phase, the following entities are taken into account:
   - the Base station coils orientation with respect to the Magnetic North,
   - the Local declination of the magnetic field,
   - Suggested direction of the X coordinate (North or line direction),
   - Sensitivity coefficient that compensates for the difference in geometry between the base station and airborne coils.
   - Rejection filters for the 60 Hz and helicopter generated frequencies.
d. Six frequencies (In phase and Quadrature components) are extracted from the airborne EM coil response in the windows of 0.4 seconds and the base station coils in the windows of 1.0 seconds (30, 45, 90, 180, 360, and 720 Hz).
e. The ratios between the real parts (in phase) of the vertical Z component (airborne) over the horizontal X component (base station), and Z component over horizontal orthogonal Y component, as well as the ratios of their imaginary parts (quadrature), are calculated.
f. Such processed EM data are then merged with the GPS data, magnetic base station data and exported into a Geosoft xyz file.

4.4.2 Geosoft Processing

Next stage of the preliminary data processing is done in a Geosoft ™ environment, using the following steps:

a. Import the output xyz file from the AFMAG processing, as well as the base Mag data into one database.
b. Split lines according to the recorded line channel,
c. GPS processing, flight path recovery (correcting, filtering, calculating Bird GPS coordinates, line splitting)
d. Radar altimeter processing, yielding the altitude values in metres.
e. Magnetic spike removal, filtering (applied to both airborne and base station data). Calculation of a base station corrected mag.
f. Apply preliminary attitude corrections to EM data (In phase and Quadrature), filter and make preliminary grids and profiles of all channels.

4.4.3 Final Processing

Final data processing and quality control were undertaken by Geotech Ltd headquarters in Aurora, Ontario by qualified senior data processing personnel.

A quality control step consisted of re-examining all data in order to validate the preliminary data processing and to allow for final adjustments to the data.

Attitude corrections were re-evaluated, and re-applied, on component by component, flight by flight, and frequency by frequency bases. Any remaining line to line system noise was removed by applying a mild additional levelling correction.

4.4.4 ZTEM Profile Sign Convention

Z/X and Z/Y components do not exhibit maxima or minima above conductors, resistors or at contacts; in fact they produce cross-over type anomalies (Ward, 1959). The crossover polarity sign convention for ZTEM is according to the right hand Cartesian rule (Z positive –up) that is commonly used for multi-component transient electromagnetic methods.

For the Northeast - Southwest lines of the West and Central sections the sign convention for the Z/X in-line component crossover is positive-negative pointing southwest to northeast for tabular conductors perpendicular to the profile (Figure 8). The corresponding Z/Y component in-phase cross-over polarity is positive-negative pointing southeast to northwest (90 degrees counter clockwise to Z/X) according to the right hand Cartesian rule.

For the North - South lines of the East section the sign convention for the Z/X in-line component crossover is positive-negative pointing south to north for tabular conductors perpendicular to the profile (Figure 8). The corresponding Z/Y component in-phase cross-over polarity is positive-negative pointing west to east (90 degrees counter clockwise to Z/X) according to the right hand Cartesian rule.

Conversely, tabular resistive bodies produce In-Phase cross-over's that are opposite in sign to conductors. A brief discussion of ZTEM and AFMAG, along with selected forward model responses is presented in Appendix D.

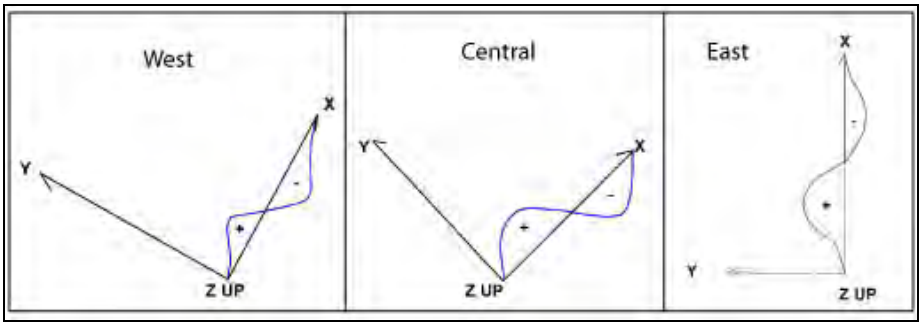

Figure 8 - ZTEM Crossover Polarity Conventions of the Rau Project

4.4.5 ZTEM Quadrature Sign Dependence

One important note regarding the sign of the ZTEM Quadrature, relative to the In-Phase component, particularly with regards to computer modeling and inversion.

The sign of the magnetotelluric Quadrature relative to the In-Phase tipper transfer function component pertains to the Fourier transformation of the time series to give frequency domain spectra. There are two widely used conventions for time dependence in the transformations, **exp(+iωt)** and **exp(-iωt).** That which is implemented largely is a matter of personal preference and precedent. The importance of the In-Phase and Quadrature sign convention is not critical, provided that it is known and documented.

In ZTEM, the data processing code used for the Fourier transformation the time-series data to frequency domain spectra adopts a **exp(-iωt)** time dependence (J. Dodds, Geo Equipment Manufacturing, pers. comm., Nov-2009). Whereas in the forward modeling and inversion program Zvert2d, the sign of the Quadrature relative to the In-Phase transfer function assumes an **exp(+iωt)** dependence[3].

The reasons for adopting $\mathbf{e^{-i\omega t}}$ used in ZTEM are several: a) In-phase and Quadrature profile and contour plan maps can be readily compared, since they are usually in the same-sign and quadrant (i.e. Figure 9); b) Phase-rotation and Total Divergence (DT) parameters need not be changed when comparing In-Phase versus Quadrature data.

As a result, for users interested in computer modeling and inversion of ZTEM data, the sign of the Quadrature will need to be reversed, relative to the In-Phase component, in order to provide a proper result (Figure 9). Indeed this reverse Quadrature polarity convention is assumed in all forward modeling and inversion of ZTEM data, as described in Figures 5-7 in Appendix D.

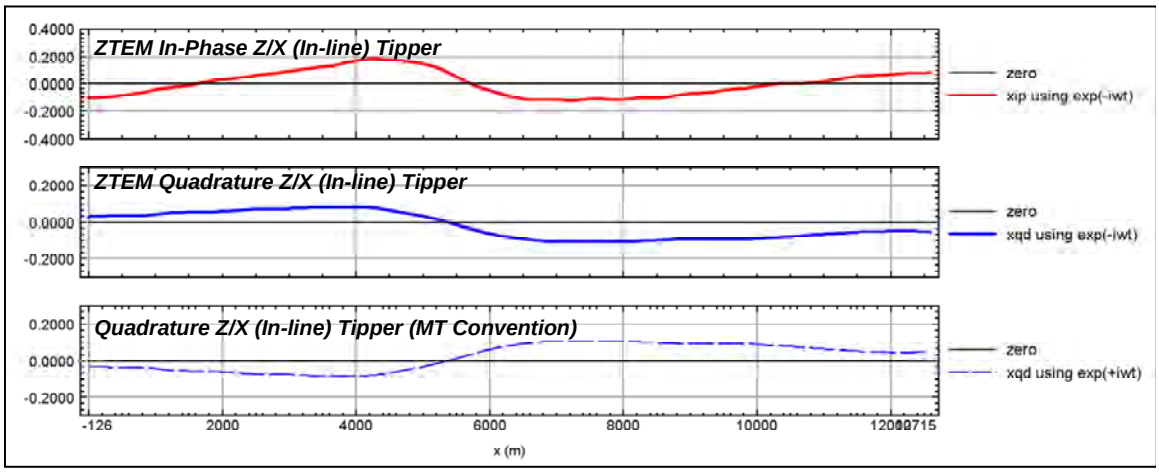

Figure 9 - Illustration of ZTEM In-Phase & Quadrature Tipper transfer function polarity convention (e-iωt) relative to equivalent MT Tipper Quadrature polarity convention (e+iωt) for a graphitic conductor in Athabasca Basin, SK.

3 Phillip E. Wannamaker (2009): Two-dimensional Inversion of ZTEM data: Synthetic Model Study and Test Profile Images, Internal Geotech technical report by Emblem Exploration Services Inc., January 22, 2009, 32 pp.

4.4.6 Total Divergence and Phase Rotation Processing

In a final processing step DT (Total Divergence) and PR (Phase Rotation) processing are applied to the multi-frequency In-phase and Quadrature ZTEM data. This is due to the crossover nature of the Tipper Responses; these additional processing steps are applied to convert them into local maxima for easier interpretation.

To present the data from both tipper components into one image, the Total Divergence parameter, termed the DT is calculated from the horizontal derivatives of the Z/X and Z/Y tippers (Lo and Zang, 2008). It is analogous to the "Peaker" parameter in VLF (Pedersen, 1998).

Total Divergence DT:	***DT = DIV (Z/X, Z/Y)*** ***= d(Z/X)/dx+d(Z/Y)/dy***

This DT parameter was introduced by Petr Kuzmin (Milicevic, 2007, p. 13) and is derived for each of the In Phase and Quadrature components at individual frequencies. These in turn allow for minima over conductors and maxima over resistive zones. DT grids for each of the extracted frequencies were generated accordingly, using a reverse colour scheme with warm colours over conductors and cool colours over resistors.

The DT gives a clearer image of conductor's location and shape but, as a derivative, it does not preserve some of the long wavelength information and is also sensitive to noise.

As an alternative, a 90 degree Phase Rotation (PR) technique is also applied to the grids of each individual component (Z/X and Z/Y). It transforms bipolar (cross over) anomalies into single pole anomalies with a maximum over conductors, while preserving long wavelength information (Lo et al., 2009). The two orthogonal grids are then usually added to obtain a Total Phase Rotated grid for the In-Phase and Quadrature.

Total Phase-Rotation:	***= PR (Z/X) + PR (Z/Y)***

A presentation of the ZTEM test survey results over unconformity uranium deposits that illustrates DT and TPR examples, as documented by Lo et al. (2009) is provided in Appendix E.

4.4.7 2D EM Inversion

2d inversions of the ZTEM results were performed over selected lines using the Geotech Zvert2d software developed by Phil Wannamaker, U. of Utah, for Geotech Ltd. The inversion algorithm is based on the 2D inversion code with Jacobians of de Lugao and Wannamaker (1996), the 2D forward code of Wannamaker et al (1987), and the Gauss-Newton parameter step equations of Tarantola (1987). Zvert2d has been developed/modified for use with our ZTEM platform by taking into account the 75-80m air-layer between radar bird and ground surface.

The 2D code only considers the In-Line (Z/X) data and assumes that the strike lengths of bodies are infinite and orthogonal to the profile. The code is designed to account for the ZTEM vertical coil receiver and fixed base station reference measurements – although this option was not used in this study. The inversion uses a model-mesh consisting of 440 cells laterally and 62 cells vertically. Typically the ZTEM data are de-sampled to 180-200 pts, in order to allow the inversion to run in 10minutes or less. Typically, between 1-2% errors are added to the In-line in-phase (XIP) and Quadrature (XQD) data obtained at 30,45,90,180,360 & 720Hz. Errors are adjusted until numerical convergence (<1.0 rms) is attained in 8 iterations or less. All inversions are based on a 1k ohm-m homogeneous starting half-space model.

4.5 Magnetic Data

The processing of the total magnetic field intensity (TMI) data involved the correction for diurnal variations by using the digitally recorded ground base station magnetic values. The base station magnetometer data was edited and merged into the Geosoft GDB database on a daily basis. The aeromagnetic data was corrected for diurnal variations by subtracting the observed magnetic base station deviations.

Due to the absence of tie-lines, further tie-line or micro levelling were not applied to the magnetic data.

The corrected magnetic data was interpolated between survey lines using a random point gridding method to yield x-y grid values for a standard grid cell size of 50 metres. The Minimum Curvature algorithm was used to interpolate values onto a rectangular regular spaced grid.

5. DELIVERABLES

5.1 Survey Report

The survey report describes the data acquisition, processing, and final presentation of the survey results. The survey report is provided in two paper copies and digitally in PDF format.

5.2 Maps

Final maps were produced at scale of 1:20,000. The coordinate/projection system used was WGS84, UTM Zone 8 North. All maps show the flight path trace and topographic data; latitude and longitude are also noted on maps.

The preliminary and final results of the survey are presented as profile plans for the EM data that were generated for individual real (In-Phase) and imaginary parts (Quadrature) of the Z/X and Z/Y components. Colour contour maps of the corresponding TPR (Total Phase Rotated) Grids for three of the six frequencies, (30, 45, 90, 180, 360 and 720Hz), as well as for corresponding Phase Rotated Grids for individual components.

3D views have been constructed by plotting the DT and TPR grids at their respective penetration depths using a 1000 ohm-m half space, using the Bostick skin depth rule (Murakami, 1985) see Appendix D.

Final maps were chosen, in consultation with the client, to represent all collected data, are listed in Section 5.3.

Sample maps of the related 3D view, Magnetic and Total Divergence are included in this report and presented in Appendix C.

5.3 Digital Data

- Two copies of the data and maps on DVD were prepared to accompany the report. Each DVD contains a digital file of the line data in GDB Geosoft Montaj.
- DVD structure.

  There are two (2) main directories;
  Data contains databases, grids and maps, as described below.
  Report contains a copy of the report and appendices in PDF format.

  Databases in Geosoft GDB format, containing the channels listed in Table 4.

Table 4 - Geosoft GDB Data Format

Column	Description
X:	UTM Easting WGS84 Zone 8, (Centre of the ZTEM loop) (meters)
Y:	UTM Northing WGS84 Zone 8 , (Centre of the ZTEM loop) (meters)
Longitude:	Longitude – WGS84 (Centre of the ZTEM loop) (Decimal degree)
Latitude	Latitude – WGS84 (Centre of the ZTEM loop) (Decimal degree)
Z:	Elevation- WGS84 (Centre of the ZTEM loop) (metres)
Radar:	Helicopter terrain clearance from radar altimeter (metres - AGL)
Radar_B:	Calculated ZTEM Bird terrain clearance (metres)
DEM	Digital Elevation Model (meters)
Gtime	GPS Time (seconds)
basemag	Base station mag
Mag1	Measured Total Magnetic Intensity, raw (de-spiked)
Mag2	Measured Total Magnetic Intensity, diurnal corrected
Mag3:	Levelled Total Magnetic field data
xIp_030Hz:	Z/X In-Phase 30 Hz final corrected
xIp_045Hz:	Z/X In-Phase 45 Hz final corrected
xIp_090Hz:	Z/X In-Phase 90 Hz final corrected
xIp_180Hz:	Z/X In-Phase 180 Hz final corrected
xIp_360Hz:	Z/X In-Phase 360 Hz final corrected
xIp_720Hz:	Z/X In-Phase 720 Hz final corrected
xQd_030Hz:	Z/X Quadrature 30 Hz final corrected
xQd_045Hz:	Z/X Quadrature 45 Hz final corrected
xQd_090Hz:	Z/X Quadrature 90 Hz final corrected
xQd_180Hz:	Z/X Quadrature 180 Hz final corrected
xQd_360Hz:	Z/X Quadrature 360 Hz final corrected
xQd_720Hz:	Z/X Quadrature 720 Hz final corrected
yIp_030Hz:	Z/Y In-Phase 30 Hz final corrected
yIp_045Hz:	Z/Y In-Phase 45 Hz final corrected
yIp_090Hz:	Z/Y In-Phase 90 Hz final corrected
yIp_180Hz:	Z/Y In-Phase 180 Hz final corrected
yIp_360Hz:	Z/Y In-Phase 360 Hz final corrected
yIp_720Hz:	Z/Y In-Phase 720 Hz final corrected
yQd_030Hz:	Z/Y Quadrature 30 Hz final corrected
yQd_045Hz:	Z/Y Quadrature 45 Hz final corrected
yQd_090Hz:	Z/Y Quadrature 90 Hz final corrected
yQd_180Hz:	Z/Y Quadrature 180 Hz final corrected
yQd_360Hz:	Z/Y Quadrature 360 Hz final corrected
yQd_720Hz:	Z/Y Quadrature 720 Hz final corrected
PLM:	Power Line Monitor (60Hz)

- Grids in Geosoft GRD format, as follows:

MAG: Total Magnetic Intensity
DEM: Digital Elevation Model
XIP_30Hz_PR: Z/X In-Phase Component Phase Rotated grid at 30 Hz
XIP_45Hz_PR: Z/X In-Phase Component Phase Rotated grid at 45 Hz
XIP_90Hz_PR: Z/X In-Phase Component Phase Rotated grid at 90 Hz
XIP_180Hz_PR: Z/X In-Phase Component Phase Rotated grid at 180 Hz
XIP_360Hz_PR: Z/X In-Phase Component Phase Rotated grid at 360 Hz
XIP_720Hz_PR: Z/X In-Phase Component Phase Rotated grid at 720 Hz
XQd_30Hz_PR: Z/X Quadrature component Phase Rotated grid at 30 Hz
XQd_45Hz_PR: Z/X Quadrature component Phase Rotated grid at 45 Hz
XQd_90Hz_PR: Z/X Quadrature component Phase Rotated grid at 90 Hz
XQd_180Hz_PR: Z/X Quadrature component Phase Rotated grid at 180 Hz
XQd_360Hz_PR: Z/X Quadrature component Phase Rotated grid at 360 Hz
XQd_720Hz_PR: Z/X Quadrature component Phase Rotated grid at 720 Hz
YIP_30Hz_PR: Z/Y In-Phase Component Phase Rotated grid at 30 Hz
YIP_45Hz_PR: Z/Y In-Phase Component Phase Rotated grid at 45 Hz
YIP_90Hz_PR: Z/Y In-Phase Component Phase Rotated grid at 90 Hz
YIP_180Hz_PR: Z/Y In-Phase Component Phase Rotated grid at 180 Hz
YIP_360Hz_PR: Z/Y In-Phase Component Phase Rotated grid at 360 Hz
YIP_720Hz_PR[3]: Z/Y In-Phase Component Phase Rotated grid at 720 Hz
YQd_30Hz_PR: Z/Y Quadrature component Phase Rotated grid at 30 Hz
YQd_45Hz_PR: Z/Y Quadrature component Phase Rotated grid at 45 Hz
YQd_90Hz_PR: Z/Y Quadrature component Phase Rotated grid at 90 Hz
YQd_180Hz_PR: Z/Y Quadrature component Phase Rotated grid at 180 Hz
YQd_360Hz_PR: Z/Y Quadrature component Phase Rotated grid at 360 Hz
YQd_720Hz_PR: Z/Y Quadrature component Phase Rotated grid at 720 Hz
IP_30Hz_DT: Total Divergence grid from In-phase components at 30 Hz
IP_45Hz_DT: Total Divergence grid from In-phase components at 45 Hz
IP_90Hz_DT: Total Divergence grid from In-phase components at 90 Hz
IP_180Hz_DT: Total Divergence grid from In-phase components at 180 Hz
IP_360Hz_DT: Total Divergence grid from In-phase components at 360 Hz
IP_720Hz_DT: Total Divergence grid from In-phase components at 720 Hz
QD_30Hz_DT: Total Divergence grid from Quadrature components at 30 Hz
QD_45Hz_DT: Total Divergence grid from Quadrature components at 45 Hz
QD_90Hz_DT: Total Divergence grid from Quadrature components at 90 Hz
QD_180Hz_DT: Total Divergence grid from Quadrature components at 180 Hz
QD_360Hz_DT: Total Divergence grid from Quadrature components at 360 Hz
QD_720Hz_DT: Total Divergence grid from Quadrature components at 720 Hz
IP_30Hz_TPR: Total Phase Rotated grid from In-phase components at 30 Hz
IP_45Hz_TPR: Total Phase Rotated grid from In-phase components at 45 Hz
IP_90Hz_TPR: Total Phase Rotated grid from In-phase components at 90 Hz
IP_180Hz_TPR: Total Phase Rotated grid from In-phase components at 180 Hz
IP_360Hz_TPR: Total Phase Rotated grid from In-phase components at 360 Hz
IP_720Hz_TPR: Total Phase Rotated grid from In-phase components at 720 Hz

QD_30Hz_TPR: Total Phase Rotated grid from Quadrature components at 30 Hz
QD_45Hz_TPR: Total Phase Rotated grid from Quadrature components at 45 Hz
QD_90Hz_TPR: Total Phase Rotated grid from Quadrature components at 90 Hz
QD_180Hz_TPR: Total Phase Rotated grid from Quadrature components at 180 Hz
QD_360Hz_TPR: Total Phase Rotated grid from Quadrature components at 360 Hz
QD_720Hz_TPR: Total Phase Rotated grid from Quadrature components at 720 Hz

A Geosoft .GRD file has a .GI metadata file associated with it, containing grid projection information. A grid cell size of 50 metres was used. Actual grid names contain job # and block name prefix (i.e. 10116_Central_Mag)

- Maps at 1:20,000 scale in Geosoft MAP format, as follows:

10116_20K_**_TMI: Total Magnetic Intensity (TMI)
10116_20K_**_DEM: Digital Elevation model (DEM)
10116_20K_**_3D _TPR:3D View of In-Phase Total Phase Rotated Grids versus Skin Depth
10116_20K_**_30Hz_XIP_PR: 30Hz Z/X Component In-Phase Phase Rotated
10116_20K_**_90Hz_XIP_PR: 90Hz Z/X Component In-Phase Phase Rotated
10116_20K_**_360Hz_XIP_PR:360Hz Z/X Component In-Phase Phase Rotated
10116_20K_**_30Hz_IP_TPR: 30Hz In-Phase Total Phase Rotated Grid
10116_20K_**_90Hz_IP_TPR: 90Hz In-Phase Total Phase Rotated Grid
10116_20K_**_360Hz_IP_TPR: 360Hz In-Phase Total Phase Rotated Grid
10116_20K_**_30Hz_QD_TPR: 30Hz Quadrature Total Phase Rotated Grid
10116_20K_**_90Hz_QD_TPR: 90Hz Quadrature Total Phase Rotated Grid
10116_20K_**_360Hz_QD_TPR: 360Hz Quadrature Total Phase Rotated Grid
10116_20K_**_XIP_profiles_XIP_PR: Z/X (In-line) In-Phase Profiles over 90Hz Phase Rotated In-Phase Grid
10116_20K_**_XQD_profiles_XQD_PR:Z/X (In-line) Quadrature Profiles over a 90Hz Phase Rotated Quadrature Grid.
10116_20K_**_YIP_profiles_YIP_PR:Z/Y (Cross-line) In-Phase Profiles over 90Hz Phase Rotated In-Phase Grid
10116_20K_**_YQD_profiles_YQD_PR:Z/Y (Cross-line) Quadrature Profiles over a 90Hz Phase Rotated Quadrature Grid.

- 2D Resistivity Inversion maps:

10116_L4050_res: resistivity inversion of line 4050
10116_L4070_res: resistivity inversion of line 4070
10116_L6680_res: resistivity inversion of line 6680
10116_L6690_res: resistivity inversion of line 6690

Note: ** represents map plate name (i.e. 10116_20k_East_TMI)

Maps are also presented in PDF format.

1:50,000 topographic vectors were taken from the NRCAN Geogratis database at; http://geogratis.gc.ca/geogratis/en/index.html.

A Google Earth file *"10116_Flightpath.kml"* is included, showing the flight path of each block. Free versions of Google Earth software from: http://earth.google.com/download-earth.html.

6. CONCLUSIONS AND RECOMMENDATIONS

6.1 Conclusions

A helicopter-borne ZTEM and aeromagnetic geophysical survey has been completed over the Rau Project located near Mayo, Yukon Territory.

The total area coverage is 600 km^2. Total survey line coverage is 3045.3 line kilometres. The principal sensors included a Z-Axis Tipper electromagnetic (ZTEM) system and a caesium magnetometer. Results have been presented as stacked profiles and contour colour images at a scale of 1:20,000.

There is no summary interpretation included in this report.

6.2 Recommendations

Based on the geophysical results obtained, a number of interesting conductive structures were identified across the property. The magnetic results also contain worthwhile information in support of exploration targets of interest. We therefore recommend a more detailed interpretation of the available geophysical data, including VTEM, in conjunction with the geology, prior to ground follow up and drill testing.

Respectfully submitted[6],

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Geotech Ltd.

Jean Legault, P. Geo, P. Eng
Geotech Ltd.

Gord Smith
Geotech Ltd.

August 2010

[6] Final data processing of the EM and magnetic data were carried out by Biljana Milicevic, and Interpretation was carried out by Marta Orta from the office of Geotech Ltd. in Aurora, Ontario, under the supervision of Gord Smith, Manager of Data Processing and Jean Legault, P. Geo, P. Eng, Chief Geophysicist (Interpretation)

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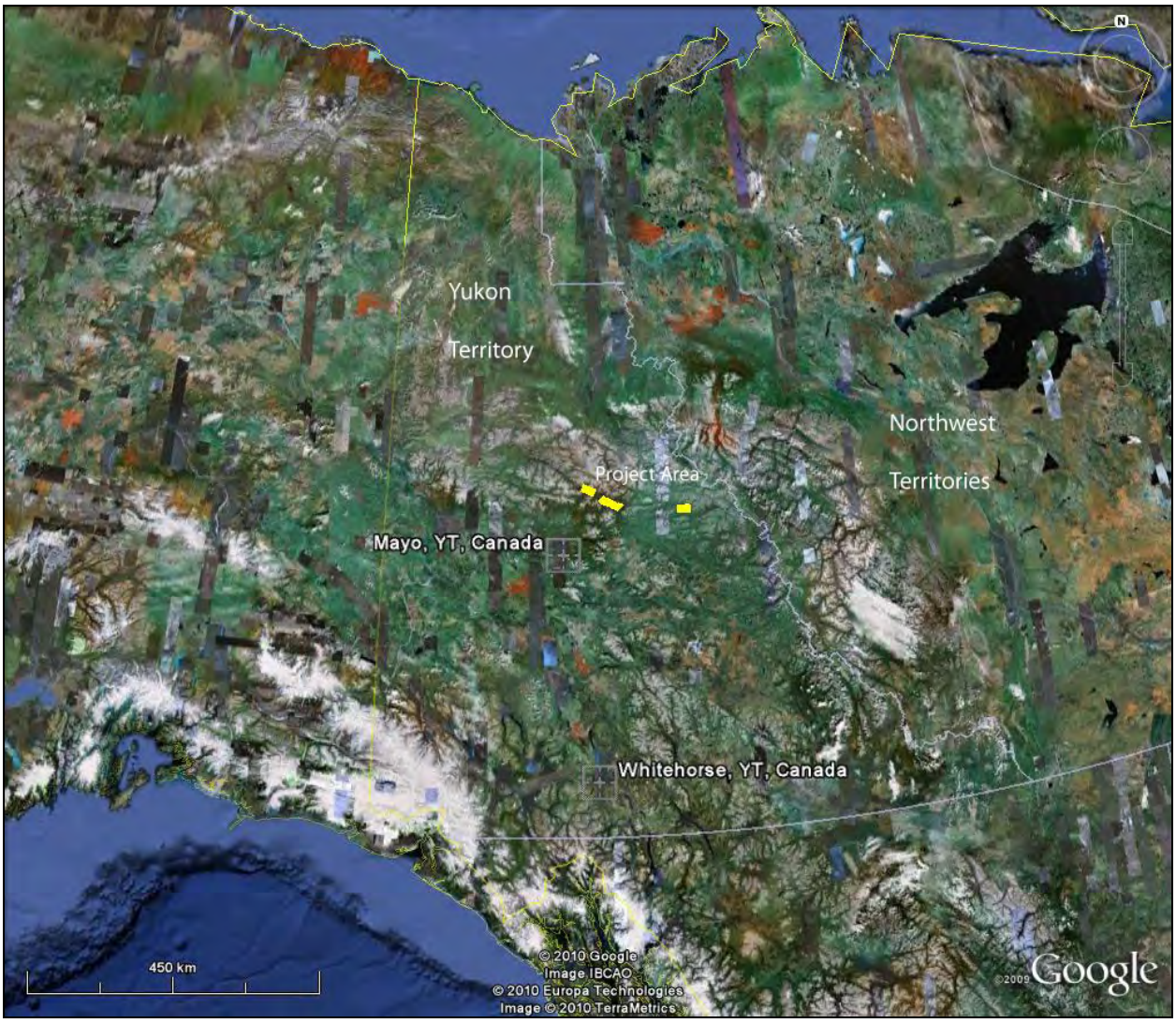
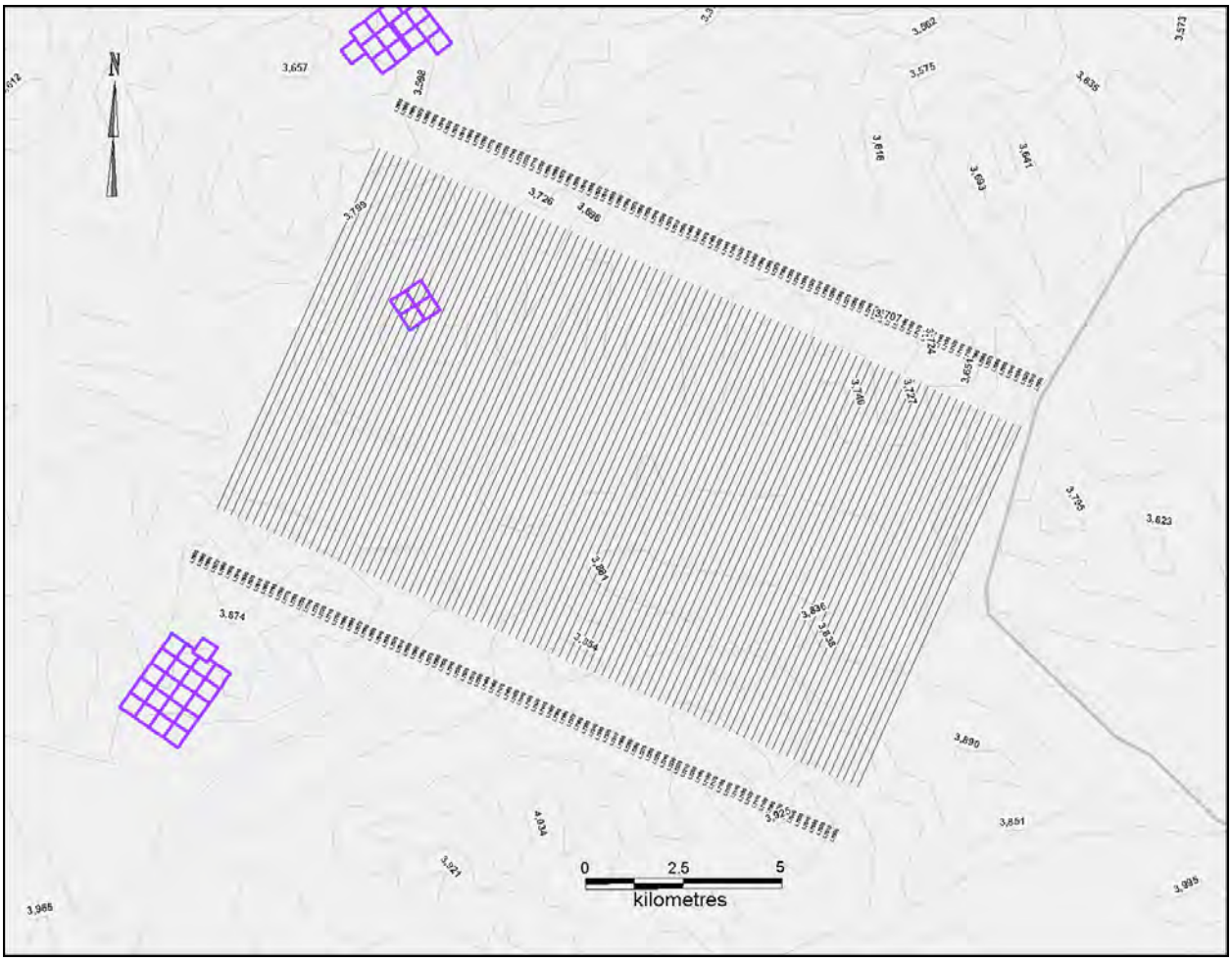
APPENDIX A

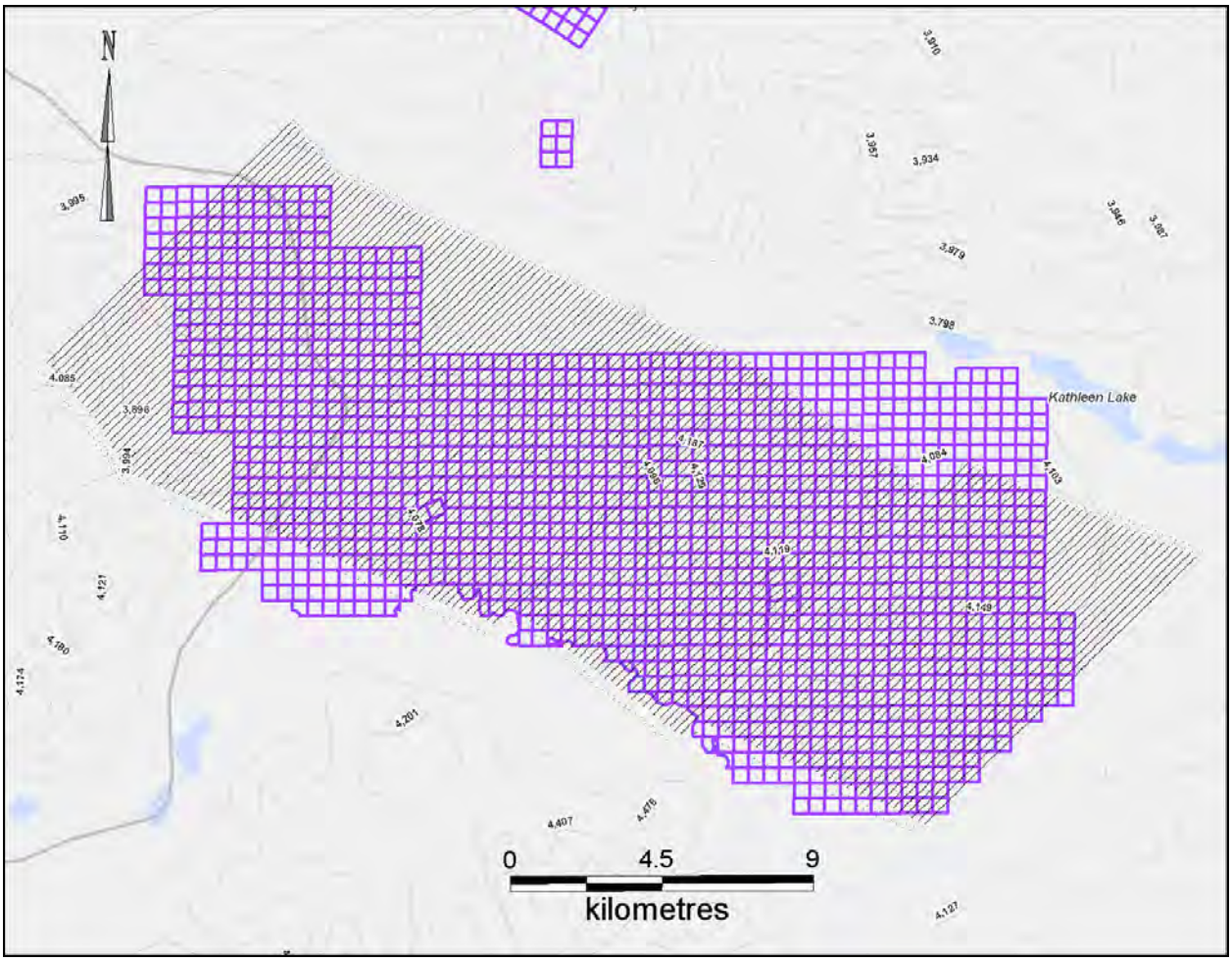
SURVEY BLOCK LOCATION MAP



Survey Overview Location Map



Mining Claims for the West section



Mining Claims for the Central section[1]

[1] The East Section of the RAU Project is not represented as it contains no Yukon mining claim coverage

APPENDIX B

SURVEY BLOCK COORDINATES

(WGS 84, UTM Zone 8 North)

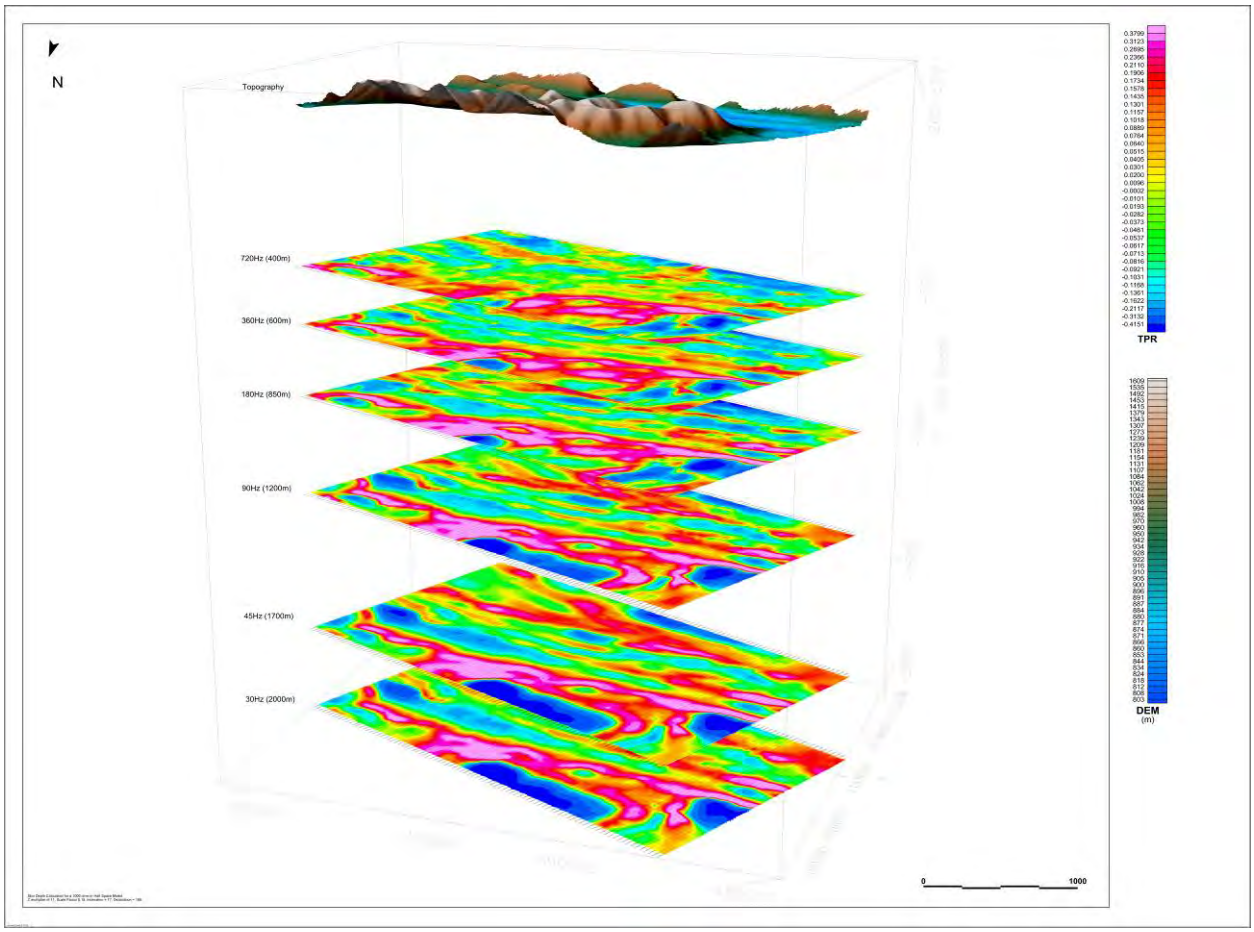
West	
X	Y
486552.2	7149873
482555.9	7140682
499120.1	7133480
503116.4	7142671

Central	
X	Y
513727	7133100
506978.5	7126719
509401.4	7122945
520295	7118455
527835.5	7125953
515402	7131664

East	
X	Y
616248.6	7118255
616248.6	7108231
634314.1	7108231
634314.1	7118255

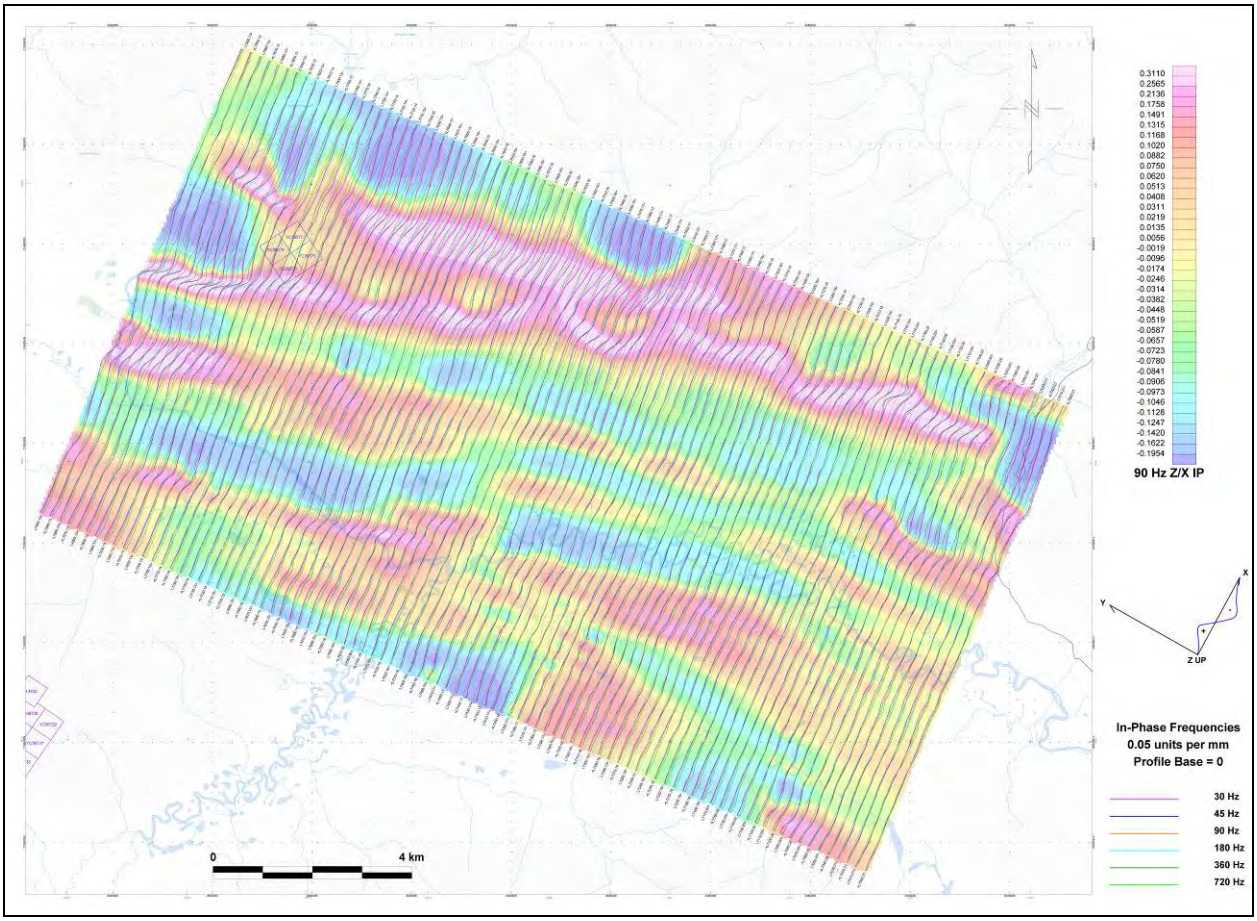
APPENDIX C

GEOPHYSICAL MAPS[1]

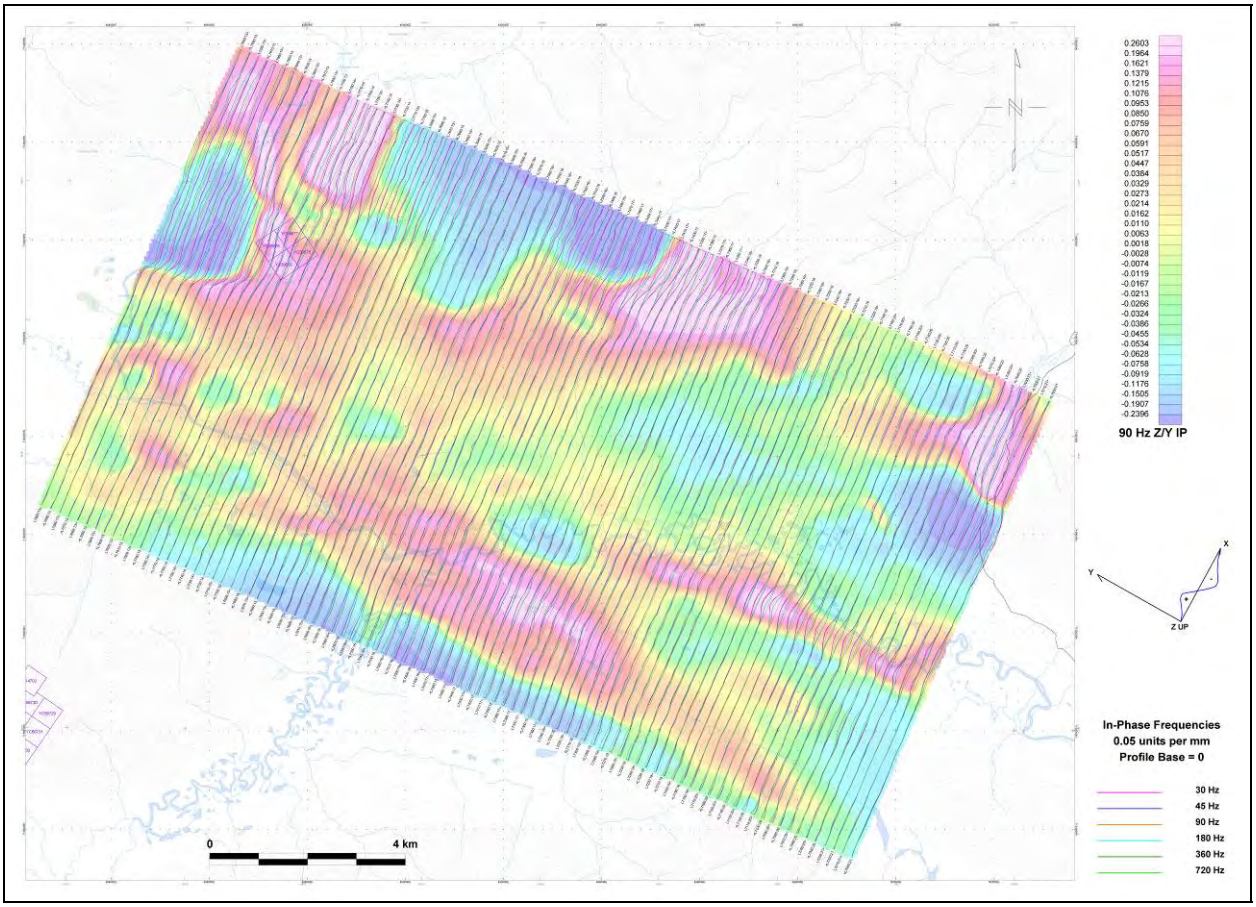


Rau Project - West: 3D View of In-Phase, Total Phase Rotated (TPR) grids versus Skin Depth (30 Hz - 720 Hz)

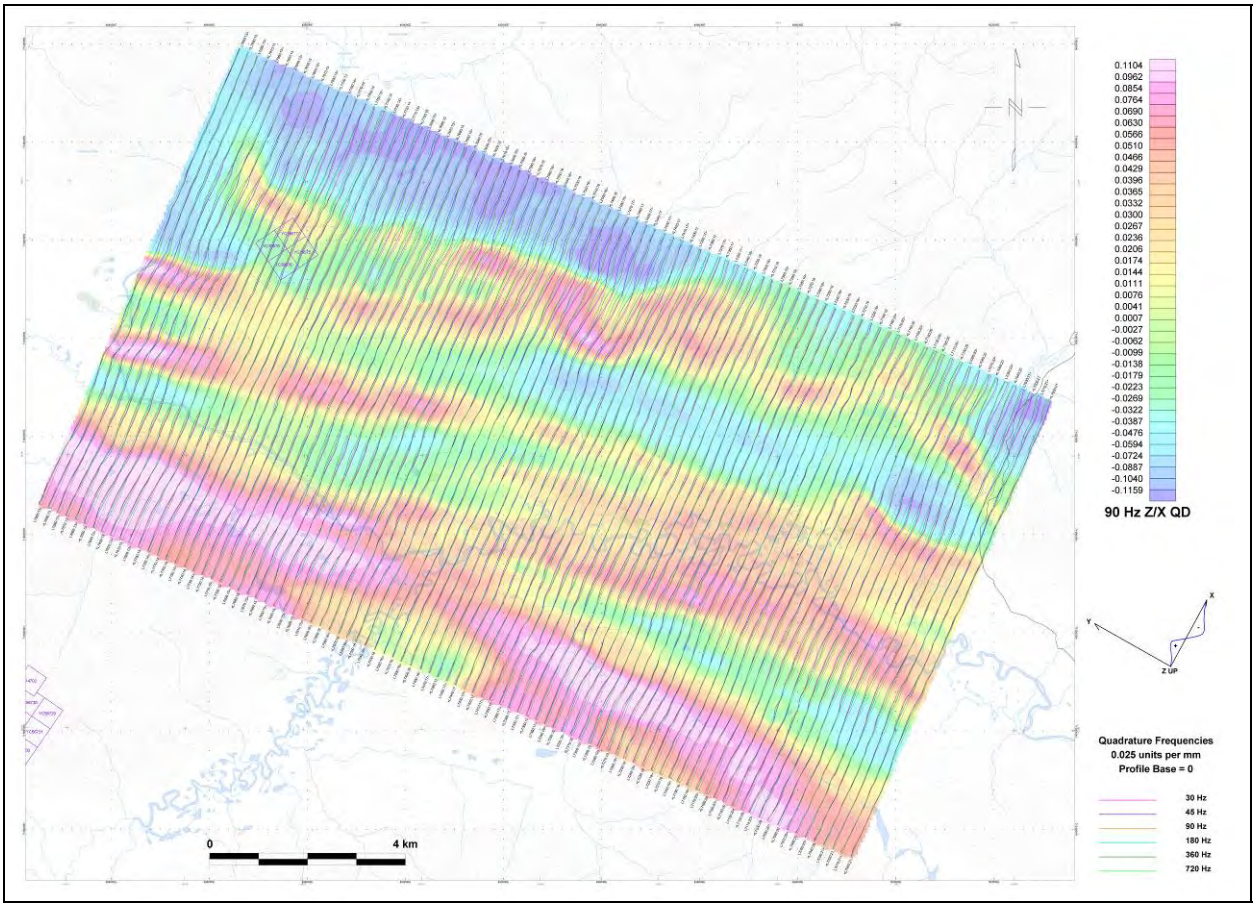
[1] Full size geophysical maps are also available in PDF format on the final DVD



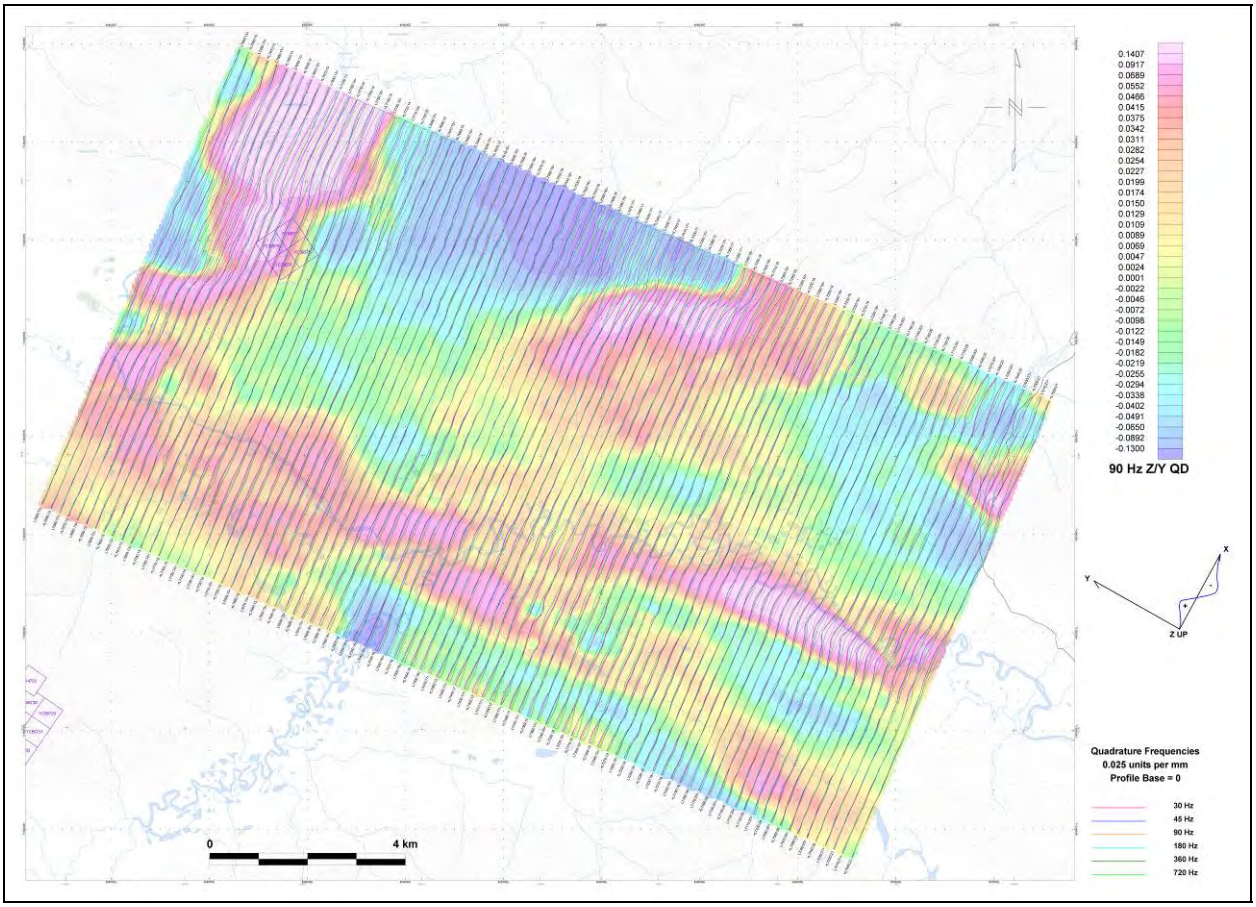
Rau Project – West: Z/X (In-line) In-Phase Profiles over 90 Hz Phase Rotated Z/X In-Phase Grid



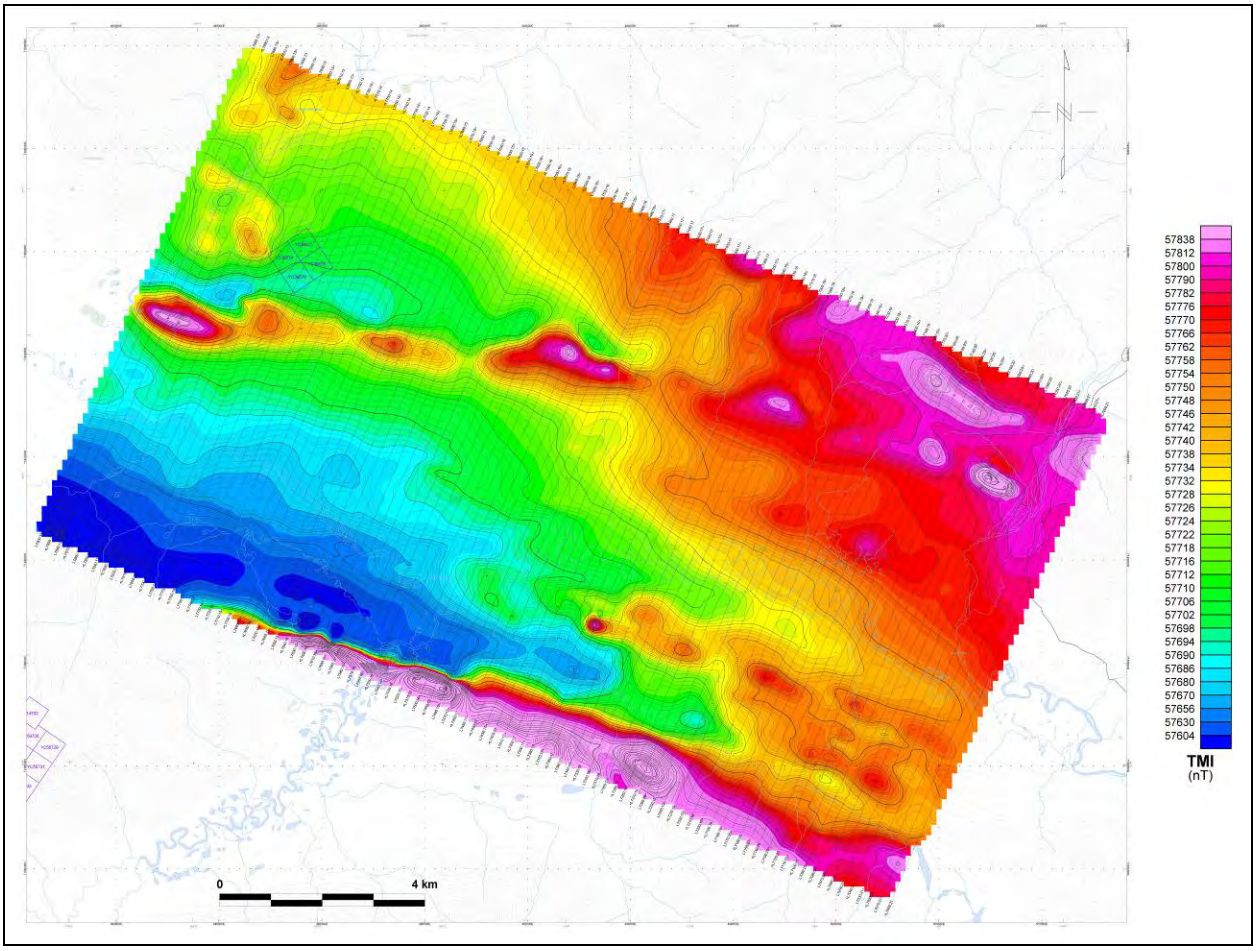
Rau Project – West: Z/Y (Cross-line) In-Phase Profiles over 90 Hz Phase Rotated Z/Y In-Phase Grid



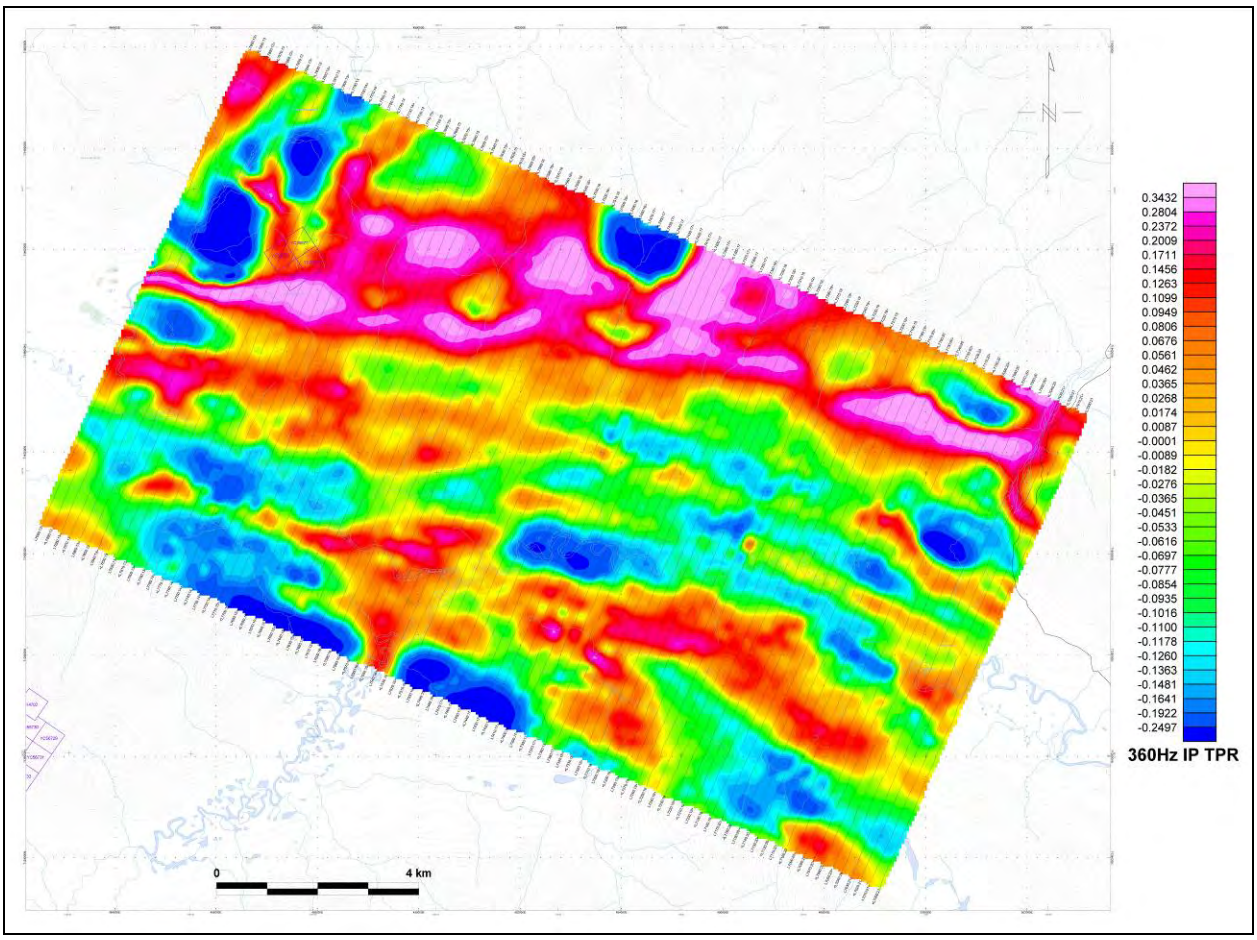
Rau Project – West: Z/X (In-line) Quadrature Profiles over 90 Hz Phase Rotated Z/X Quadrature Grid



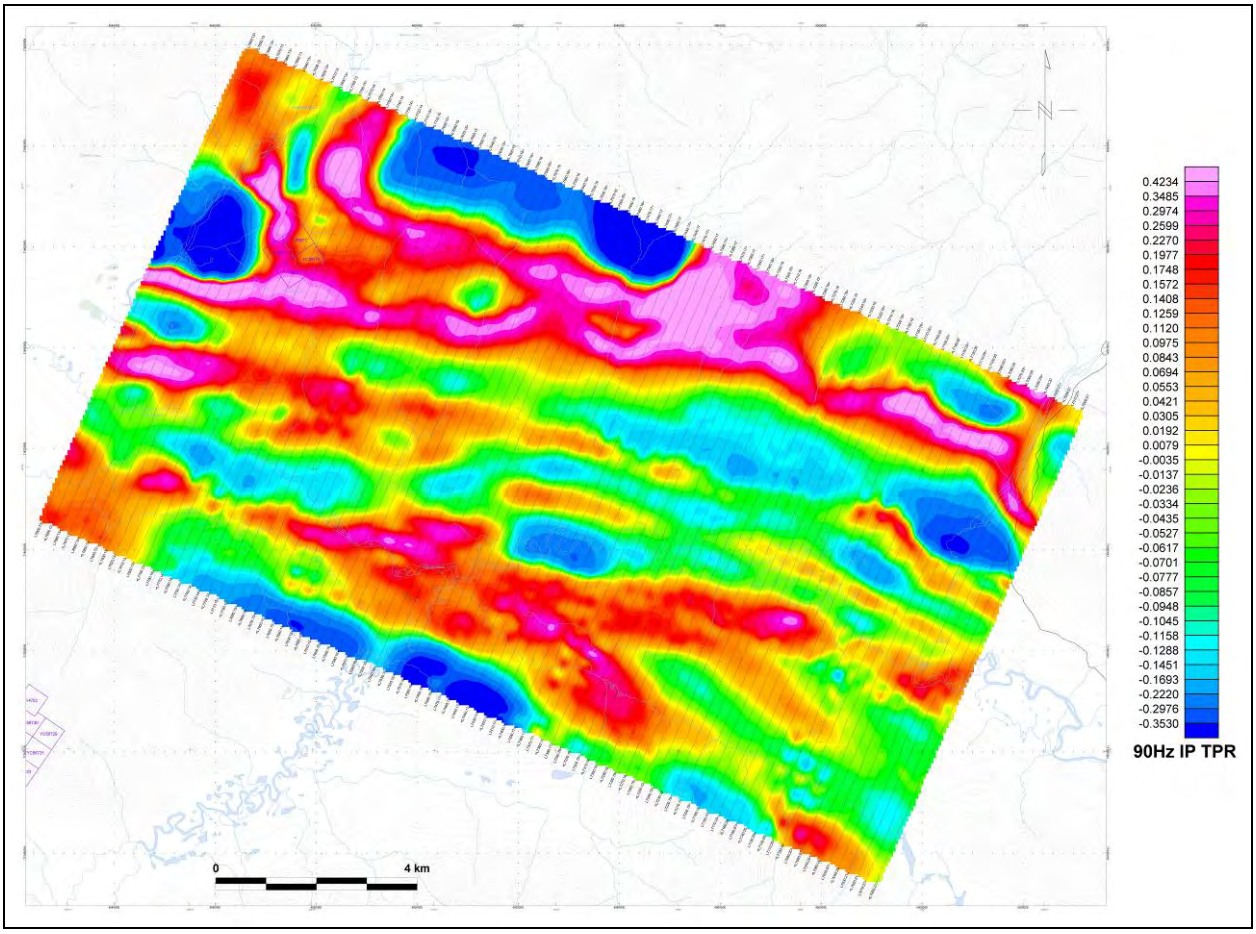
Rau Project – West: Z/Y (Cross-line) Quadrature Profiles over 90 Hz Phase Rotated Z/Y Quadrature Grid



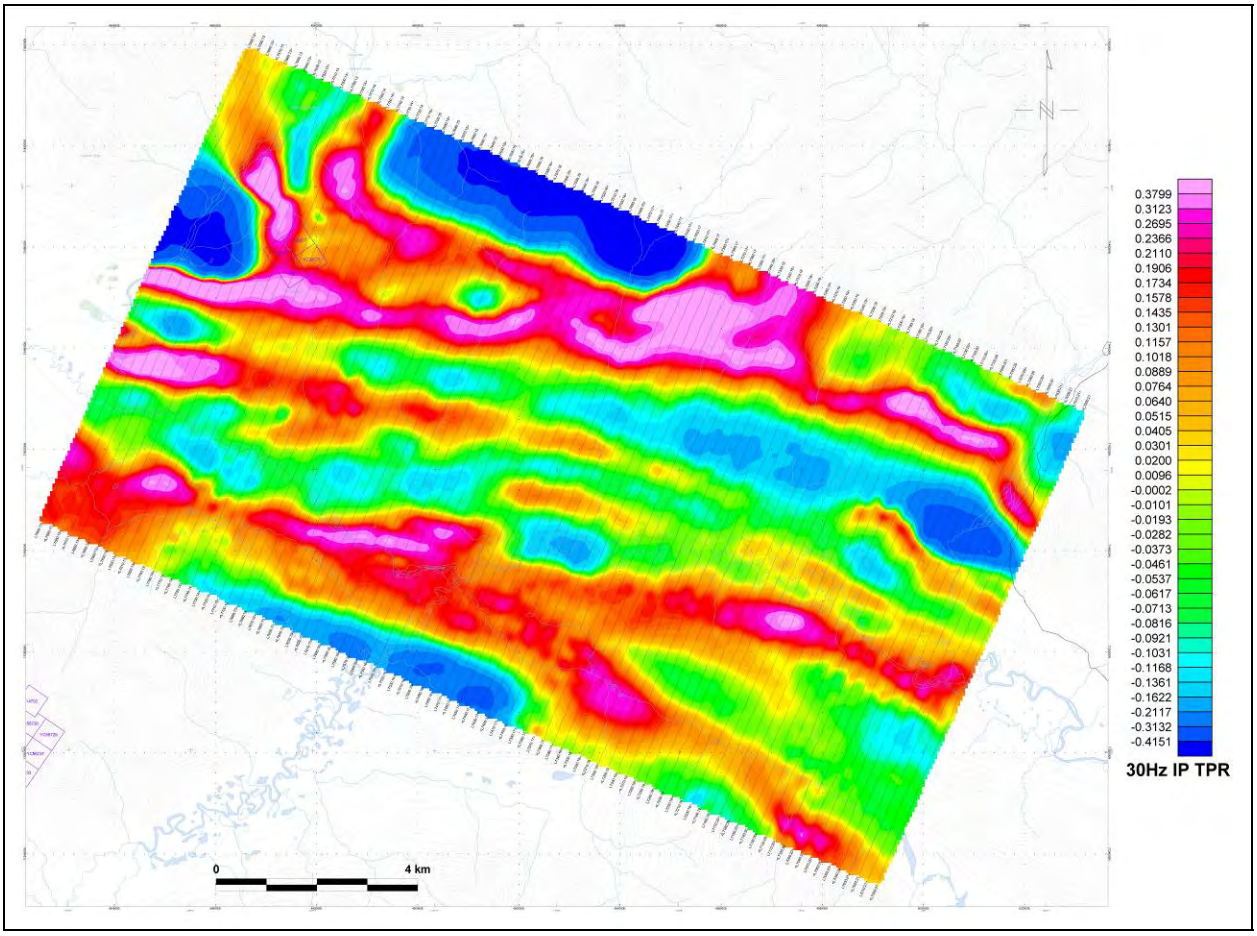
Rau Project – West: Total Magnetic Intensity (TMI) Grid



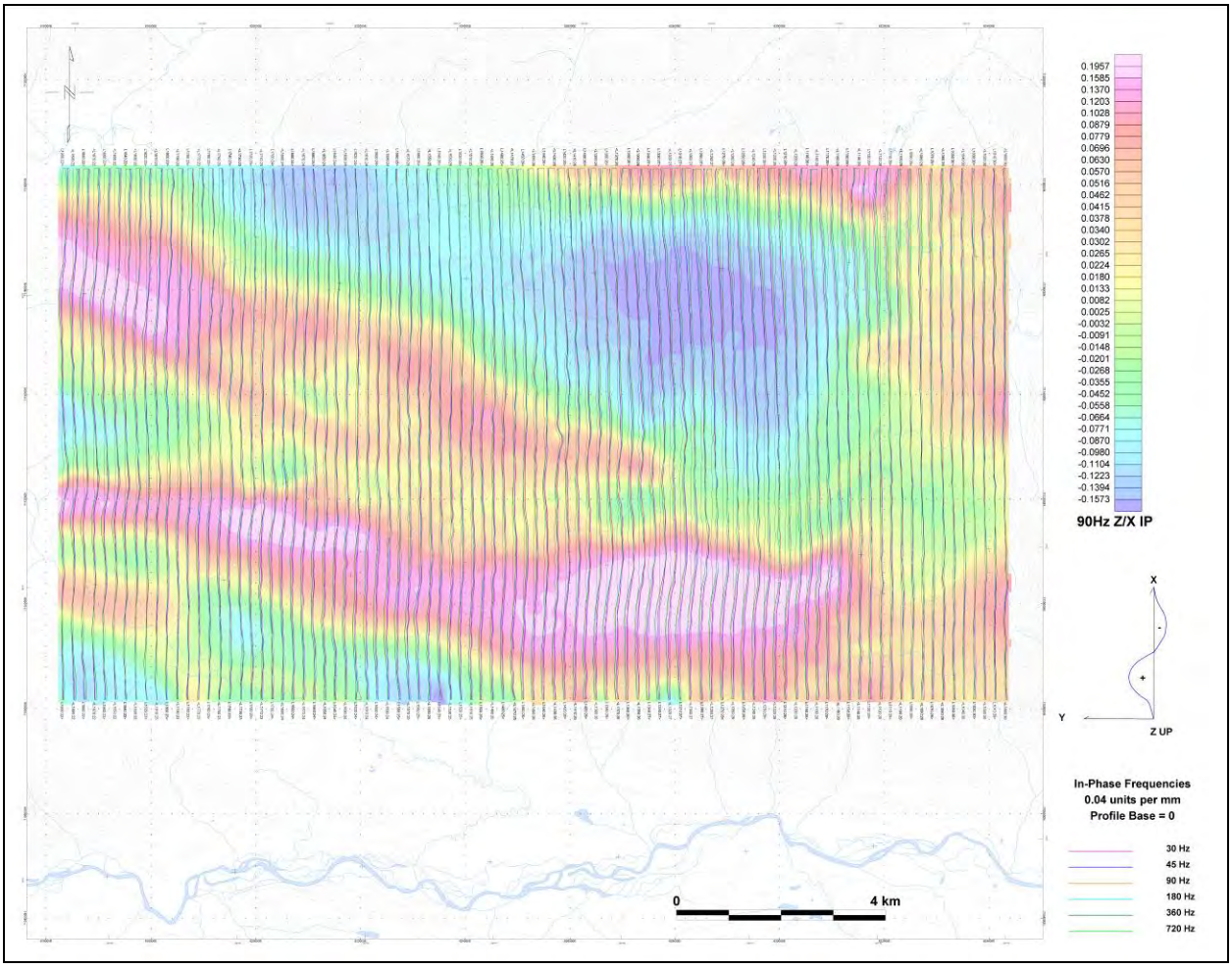
Rau Project – West: High Frequency (360Hz) In-Phase Total Phase Rotated (TPR)



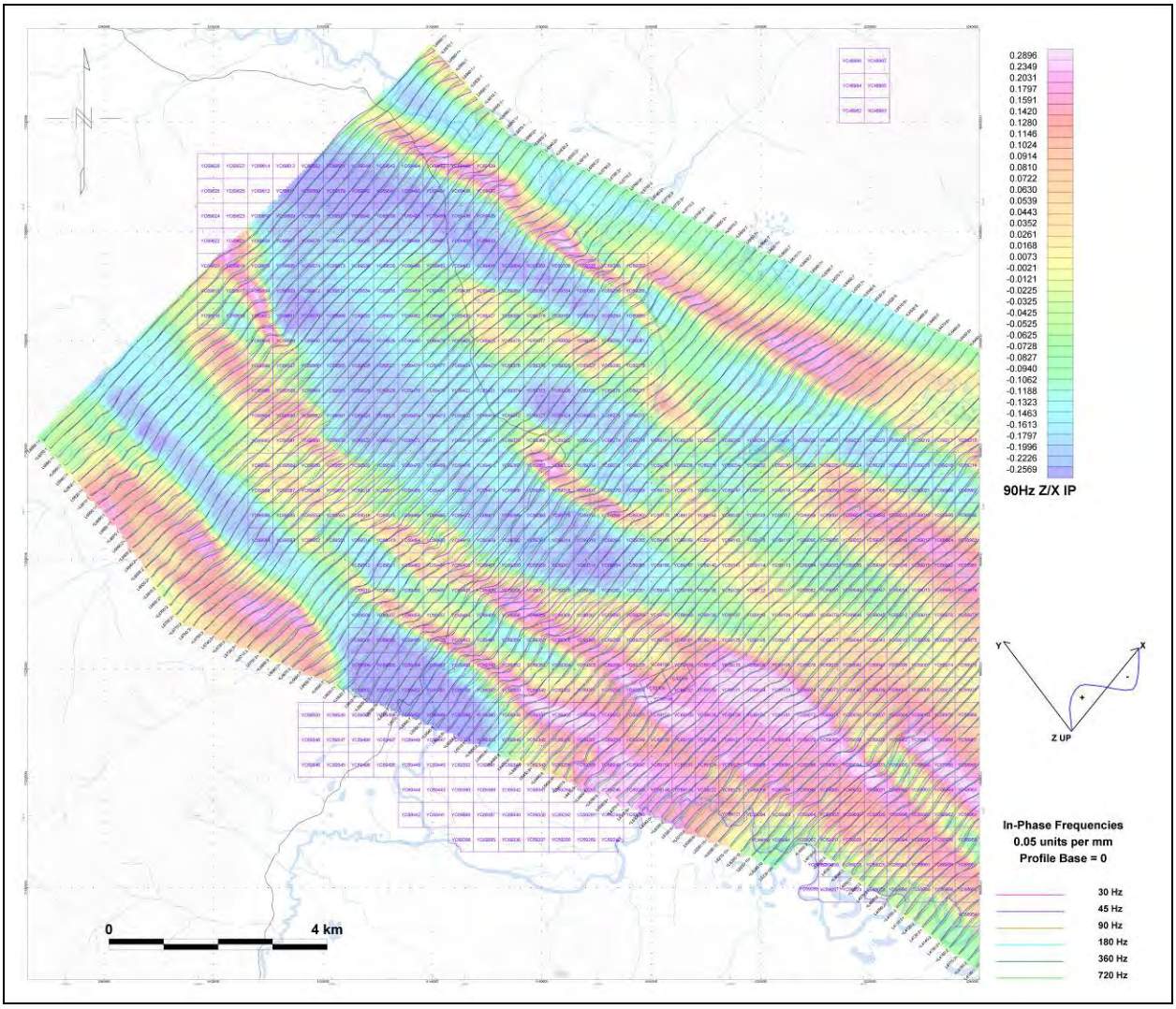
Rau Project – West: Mid Frequency (90Hz) In-Phase Total Phase Rotated (TPR)



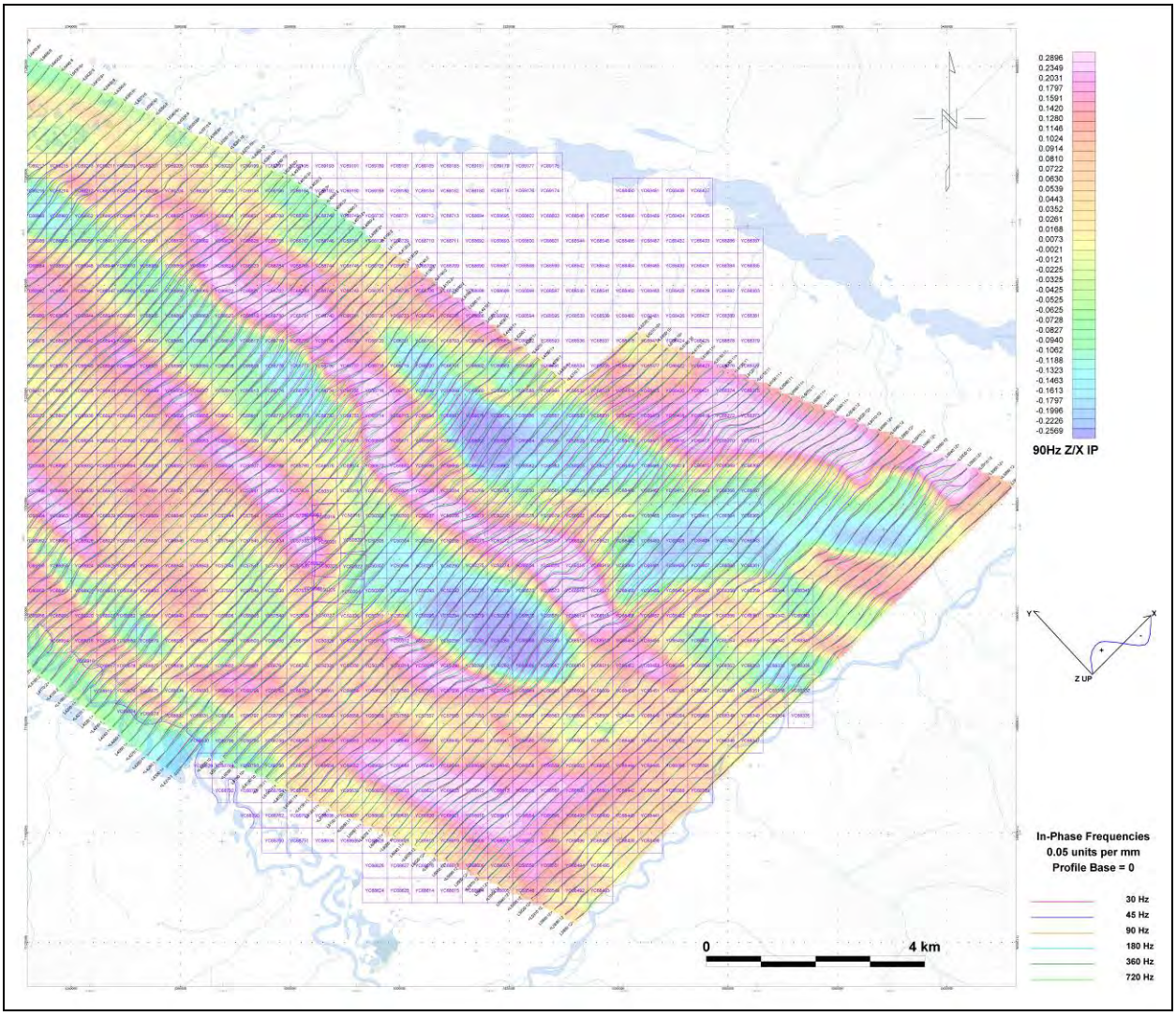
Rau Project – West: Low Frequency (30Hz) In-Phase Total Phase Rotated (TPR)



Rau Project – East: Z/X (In-line) In-Phase Profiles over 90 Hz Phase Rotated Z/X In-Phase Grid



Rau Project – Central A: Z/X (In-line) In-Phase Profiles over 90 Hz Phase Rotated Z/X In-Phase Grid



Rau Project – Central B: Z/X (In-line) In-Phase Profiles over 90 Hz Phase Rotated Z/X In-Phase Grid

APPENDIX D

ZTEM THEORETICAL CONSIDERATIONS

A brief section on the theory behind the AFMAG technique is provided for completeness and a more comprehensive development of the theory can be found in standard texts. The natural EM field is normally horizontally polarized. Subsurface lateral variations of conductivity generate a vertical component, which is linearly related to the horizontal field. Although the fields look like random signals, they may be treated as the sum of sinusoids. At each frequency the field can be expressed as a complex number with magnitude and argument equal to the amplitude and phase of the sinusoid. The relation between the field components can then be expressed by a linear complex equation with two complex coefficients at any one frequency. These coefficients are dependent upon the subsurface and not upon the horizontal field present at any particular time and are appropriate parameters to measure (Vozoff, 1972).

$$\mathbf{Hz(f) = Tx(f)\ Hx(f) + Ty(f)\ Hy(f),} \qquad \mathbf{(1)}$$

Where

Hx(f), Hy(f) and Hz(f) are x, y and z components of the field,

Tx(f) and Ty(f) are the "tipper" coefficients.

In the case of a horizontally homogeneous environment, Tx and Ty are equal to zero because Hz =0. They show certain anomalies only by the presence of changes in subsurface conductivity in the horizontal direction. The real parts of the coefficients correspond to tangents of tilt angles measured with a controlled source. The complex tensor [Tx, Ty] known as the "tipper" defines the vertical response to horizontal fields in the x and y directions respectively.

Tx and Ty are two unknown coefficients in one equation, and we therefore must combine two or more sets of measurements to solve them. To reduce effects of noise, multiple sets of measurements can be made, and the coefficients, which minimize the squared error in predicting the measured Z from X and Y, can be found. This leads to next formulas for estimating the coefficients.

$$\mathbf{Tx = ([HzHx^*]\ [HyHy^*] - [HzHy^*]\ [HyHx^*])\ /\ ([HxHx^*]\ [HyHy^*] - [HxHy^*]\ [HyHx^*]),} \qquad \mathbf{(2)}$$

and

$$\mathbf{Ty = ([HzHy^*]\ [HxHx^*] - [HzHx^*]\ [HxHy^*])\ /\ ([HxHx^*]\ [HyHy^*] - [HxHy^*]\ [HyHx^*]\ .} \qquad \mathbf{(3)}$$

Where

[HxHy*] (For example) denotes a sum of the product of Hx with the complex conjugate of Hy.

In practical processing algorithms, all numbers Hx, Hy and Hz can be obtained by applying the same digital band-pass filters to three incoming parallel data signals. FFT algorithms are also applicable. All sums like [HxHy*] can be calculated on the basis of a discrete time interval in the range from 0.1 to 1 sec or on a sliding time base.

Using platform attitude data in the EM data processing can be done at different stages of the signal processing. The most obvious idea is to transform parallel data from local coordinates of the platform into absolute geographical coordinates before the main signal processing procedure. Unfortunately, the proper algorithms of attitude data obtained, often require some post-processing algorithms such as using post-calculated accelerations based on GPS data etc. That is why it is preferable to treat x-y-z coordinates in formulas above in the local coordinate system of the platform and to recalculate resulting local tilt angles into a geographical or global coordinate system later, during the data post processing.

In weak field conditions where the level of the signal is comparable with input noise levels in preamplifiers, the bias in the estimated values of Tx and Ty caused by noise in the horizontal signals become substantial and can not be reduced by any averaging. This bias can be removed by the use of separate reference signals containing noise uncorrelated with noise in signals Hx and Hy. (Anav et al., 1976).

$$Tx = ([HzRx^*]\,[HyRy^*] - [HzRy^*]\,[HyRx^*]) / ([HxRx^*]\,[HyRy^*] - [HxRy^*]\,[HyRx^*]), \quad (4)$$

and

$$Ty = ([HzRy^*]\,[HxRx^*] - [HzRx^*]\,[HxRy^*]) / ([HxRx^*]\,[HyRy^*] - [HxRy^*]\,[HyRx^*]). \quad (5)$$

Where:

Rx is the reference field x component,
Ry is the reference field y component.

An additional two electromagnetic sensors, providing these reference signals can be placed at some distance away from the main x, y and z sensors. Currently, though, no additional remote-reference processing are applied to ZTEM data.

Numerical Modelling

In order to understand the airborne AFMAG responses to conductors for a variety of geological environments, EMIGMA^{TM} modelling code from PetRos EiKon (Toronto, ON) was obtained to conduct the formulated model studies.

Below are some of the modelling results from their study.

Modelling assumption:

The assumptions for the modelling are that:

3 components of the magnetic field are measured and they are processed according to:

$$Hz(f) = Tx(f)\,Hx(f) + Ty(f)\,Hy(f)$$

The vector (Tx,Ty) is usually referred to as the 'tipper' vector and is determined in the frequency domain through processing. This is normally done by determining transfer functions from an extended time series.

For the modelling exercise, the 3 components of the magnetic vector (Hx,Hy,Hz) are modelled twice for 2 orthogonal polarizations of a plane wave source field and then the tipper is calculated from a matrix calculation using the results of the 2 source polarizations' models. For the 2D forward modelling results, the tipper vectors are shown as a function of frequency

Basic Model Response

For the initial models, we assume a thin plate-like model. The model is perpendicular to the flight direction. Initially, we will assume very long strike directions. From this quasi-2D model, there are 2 basic responses. The so-called TE response and the so-called TM response.

For the initial models, we will assume the strike is in the y (North) directions and the flight is in the x (East) direction Sensor heights are 30m above ground.

TE Mode: For the TE response, the electric field excitation flows along strike (current channelling) and the horizontal H field (Hx) flows perpendicular to strike thus causing induction through Faraday's law. The Hz response is generated both from channelling and induction.

TM Mode: For this response, the electric field excitation flows perpendicular to strike generating quasi-static charges on faces and the horizontal H field (Hx) flows parallel to strike. Since, the XZ face is very small for this model, little current is induced. The charges on the faces have a small dipole moment due to the thinness of the model.

For the rest of the models unless otherwise noted, the parameters used are:

Strike Length: 1km
Depth Extent: 1km
Conductance: 100S
Depth to Top: 10m
Background: Thin-overburden (10m), Resistive Basement (1000 Ohm-m)

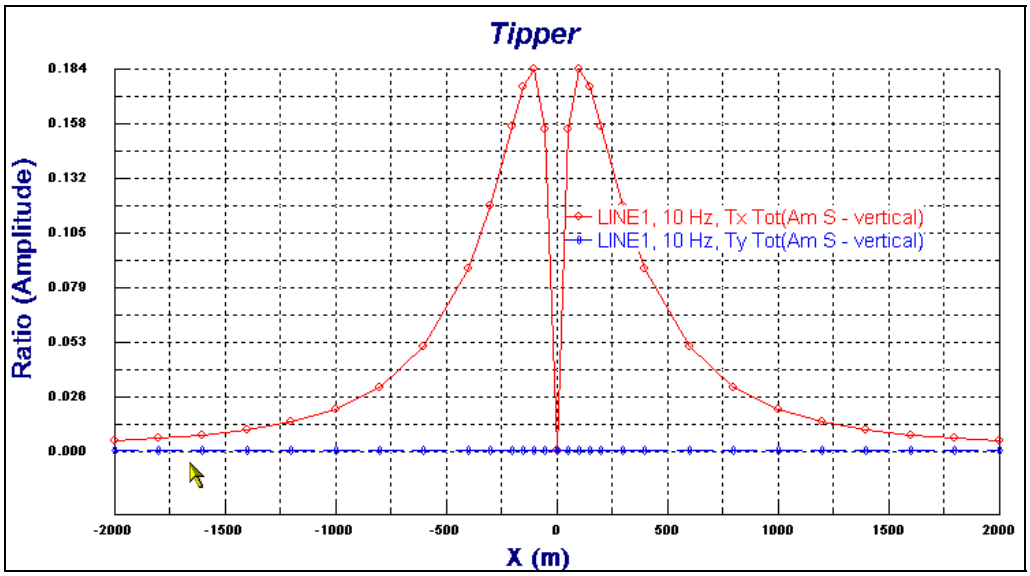


Figure D-1 – Calculated Tipper components at 10 Hz for above model parameters.

Figure D1 shows the Tipper (Tx,Ty) Amplitudes at 10Hz using a10Ωm overburden. Note small Ty (ie quasi-TM response)

Amplitude Response

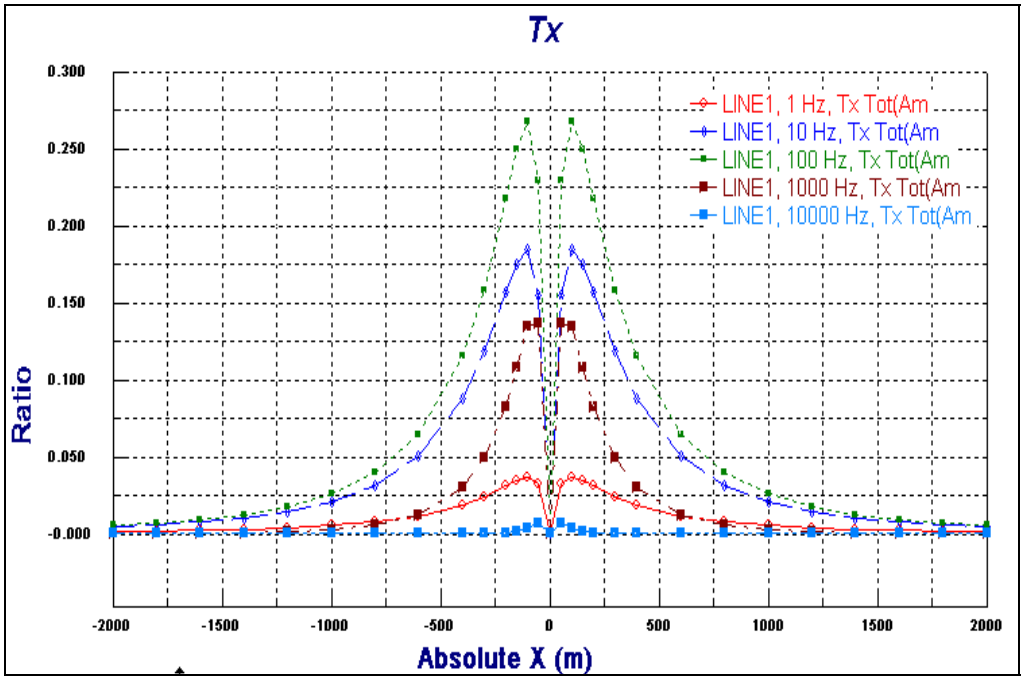


Figure D-2 – Calculated Tx component of the Tipper at various frequencies

The (Tx) response amplitude at 1,10,100,1000,10000 Hx. Peak amplitude at 100Hz

Inphase and Quadrature Response

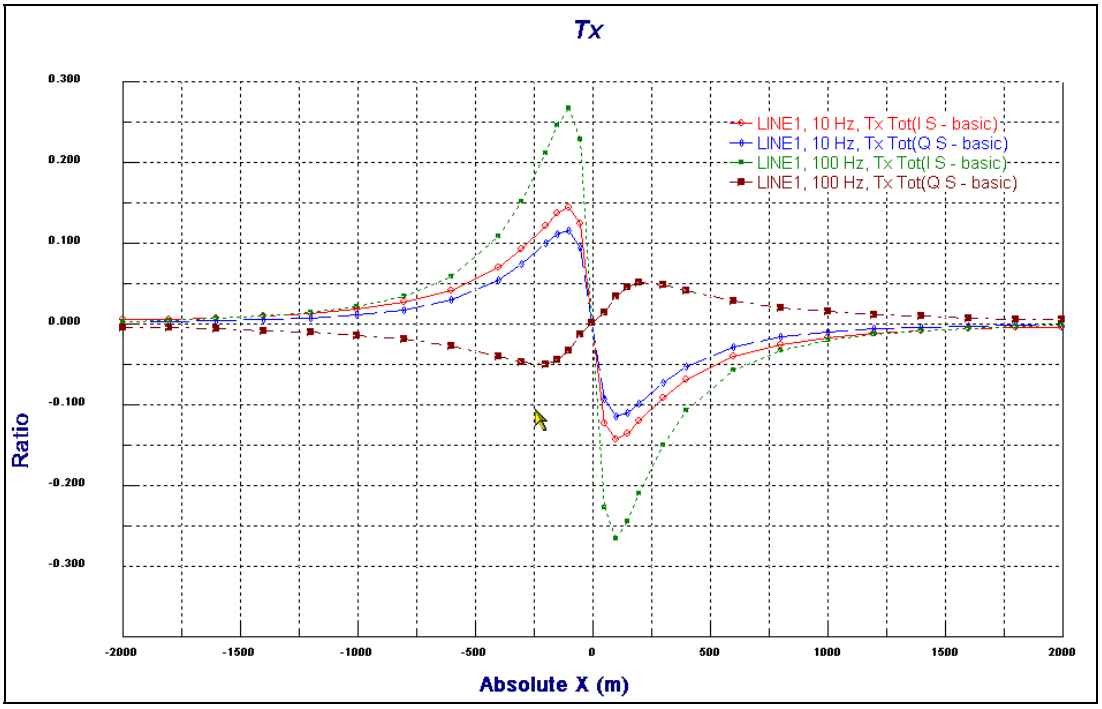


Figure D-3 – Calculated In-phase and Quadrature of the Tx component at various frequencies

Figure D-3 shows the In-phase and Quadrature response at 10 and 100Hz. Note the crossovers in the In-phase and Quadrature, and the phase reversal in the Quadrature responses from low to high frequencies.

Bo Lo, P.Eng, B.Sc. (Geophysics), Consultant
Geotech Ltd.
September, 2007

AFMAG Source Fields and ZTEM method[1]

AFMAG uses naturally occurring audio frequency magnetic fields as the source of the primary field signal, and therefore requires no transmitter (Ward, 1959). The primary fields resemble those from VLF except that they are lower frequency (tens & hundreds of Hz versus tens of kHz) and are usually not as strongly directionally polarized (Labson et al., 1985). These EM fields used in AFMAG are derived from world wide atmospheric thunderstorm activity, have the unique characteristic of being uniform, planar and horizontal, and also propagate vertically into the earth – to great depth, up to several km, as determined by the magnetotelluric (MT) skin depth (Vozoff, 1972), which is directly proportional to the ratio of the bedrock resistivity to the frequency (Figure D4).

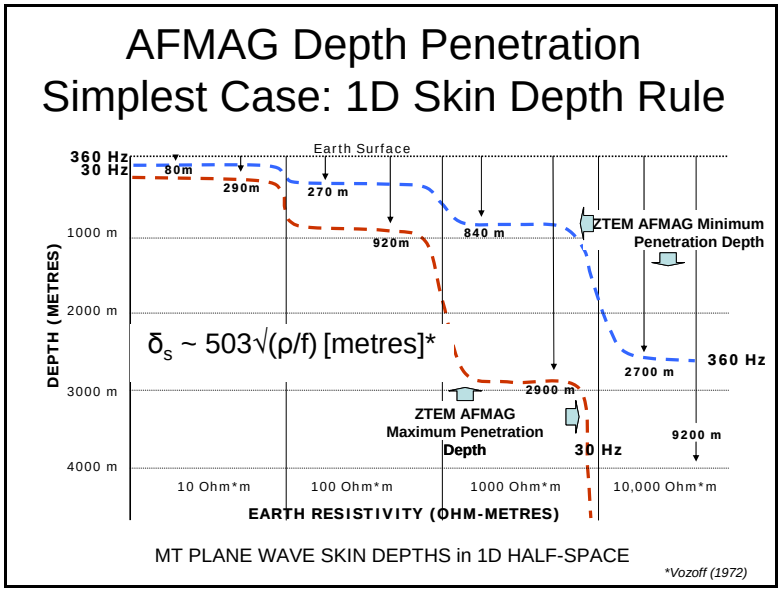


Figure D4: MT Skin Depth Penetrations for ZTEM in 30-360Hz and 10-1000 ohm resistivity

At the frequencies used for ZTEM, the penetration depths likely range between approx. 600m to 2km in this region (approx. 1k ohm-m avg. resistivity assumed), according to the following equation for the Bostick skin depth $\delta_B = 356 * \sqrt{(\rho / f)}$ metres (Murakami, 1985), which is considered appropriate as a rule of thumb equivalent depth estimate.

The other unique aspect of AFMAG fields is that they react to relative contrasts in the resistivity, and therefore do not depend on the absolute conductance, as measured using inductive EM systems, such as VTEM. Hence poorly, conductive targets, such as alteration zones and fault zones can be mapped, as well as higher conductance features, like graphitic units. Conversely, resistive targets can also be detected using AFMAG– provided they are of a sufficient size and contrast to produce a vertical field anomaly. Indeed resistors produce reversed anomalies relative to conductive features. Hence AFMAG can be effective as an

[1] From: Legault, J.M., Kumar, H., and Milicevic, B. (2009): ZTEM tipper AFMAG and 2D inversion results over an unconformity uranium target in northern Saskatchewan, Expanded Abstract submitted to Society of Exploration Geophysics SEG conference, Houston, Tx, Nov-2009, 5 pp.

all-round resistivity mapping tool, making it unique among airborne EM methods. A series of 2D synthetic models that illustrate these aspects have been created using the 2D forward MT modelling code of Wannamaker et al. (1987) and are presented in figures D5-D7.

The tipper from a single site contains information on the dimensionality of the subsurface (Pedersen, 1998), for example, in a horizontally stratified or 1D earth, $\boldsymbol{T}$=0 and as such H_Z is absent. For a 2D earth with the y-axis along strike, T_Y=0 and $H_Z = T_X * H_X$. In 3D earths, both T_X and T_Y will be non-zero. H_Z is therefore only present, as a secondary field, due to a lateral resistivity contrast, whereas the horizontal H_X and H_Y fields are a mixture of secondary and primary fields (Stodt et al., 1981). But, as an approximation, as in the telluric-magnetotelluric method (T-MT; Hermance and Thayer, 1975) used by distributed MT acquisition systems, the horizontal fields are assumed to be practically uniform, which is particularly useful for rapid reconnaissance mapping purposes. By measuring the vertical magnetic field H_X, using a mobile receiver and the orthogonal horizontal H_X and H_Y fields at a fixed base station reference site, ZTEM is a direct adaptation of this technique for airborne AFMAG surveying.

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Geotech Ltd.

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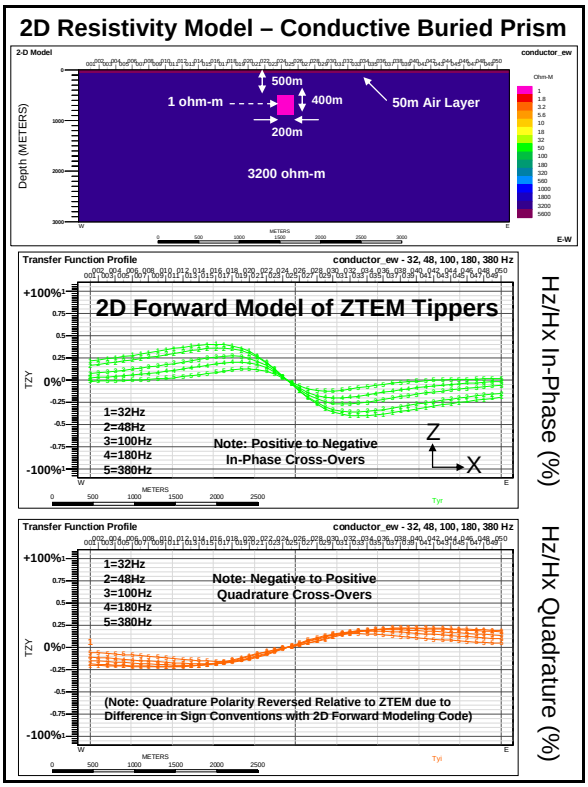

Figure D5: 2D synthetic forward model Tipper responses for conductive brick model.

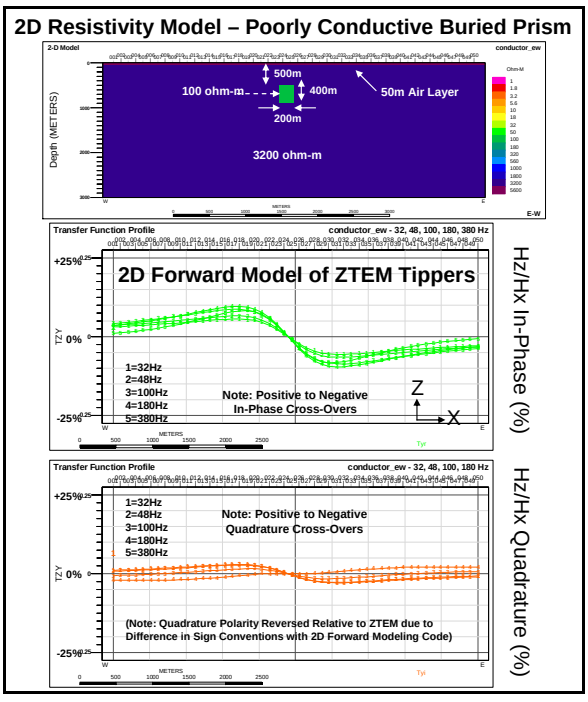

Figure D6: 2D synthetic forward model Tipper response for poorly conductive brick model.

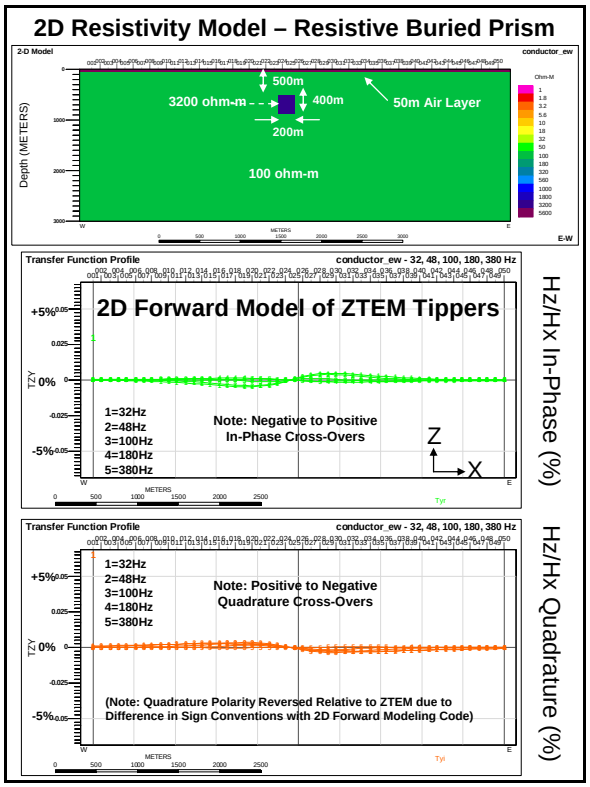

Figure D7: 2D synthetic forward model Tipper response for resistive brick model.

APPENDIX E

ZTEM (AIRBORNE AFMAG) TESTS OVER UNCONFORMITY URANIUM DEPOSITS[7]

Bob Lo [1], Jean Legault [2], Petr Kuzmin [3] [1] Formerly Geo Equipment Manufacturing Ltd., now Exploration Syndicate, Inc., bob.lo@expsyn.com, [2] Geotech Ltd., jean@geotech.ca, [3] Geo Equipment Manufacturing Ltd., petr@geotech.ca*

Key Words: ZTEM, AFMAG, electromagnetic, airborne, uranium, Athabasca.

INTRODUCTION

A series of demonstration tests were conducted using the ZTEM, airborne AFMAG system over deep targets in the Athabasca Basin of Saskatchewan, Canada. These tests were conducted in mid-2008 and were flown to test ZTEM's ability to detect large conductive targets at depth; deeper than conventional airborne EM methods. Data are presented over areas where the conductors are located 450-600 metres beneath the surface. As well, a case of ZTEM following the plunge of a conductor to over 800 metres depth is shown.

BACKGROUND

The ZTEM system is the latest implementation of an airborne AFMAG system first commercialized in late 2006. ZTEM uses a large, 8 metre diameter airborne air core coil, slung from a helicopter, to measure the vertical component of the AFMAG signal. Two 4 metre square coils are deployed on the ground to measure the horizontal field. The ZTEM system has flown successful demonstration surveys over porphyry copper deposits in the southwest USA (Zang et al., 2008).

ZTEM was tested in the Athabasca Basin in Canada in May of 2008 to determine its depth of investigation and to determine its suitability for mapping deep conductors in the crystalline basement. Over 30% of the world's U3O8 is mined in the Athabasca Basin from unconformity uranium deposits. Unconformity uranium deposits of the Athabasca Basin are often associated with conductors located in the crystalline basement. The search for economic uranium deposits is moving to areas of the basin which are deeper and beyond the detection limits of modern airborne instrumentation. This creates the requirement for a system which can detect conductivity past the detection limits of modern traditional EM systems. This was the motivation behind the field trials of the ZTEM system in the Athabasca Basin. Several areas where known deep conductors (450-600m+) were located were flown. Also, a test survey block in the northern part of the basin was able to trace a deep and plunging conductor to depths that no other airborne EM system has been able to achieve.

ATHABASCA BASIN GEOLOGY

The high-grade uranium deposits within the Athabasca Basin are associated with the unconformity between the essentially flat-lying Proterozoic Athabasca Group sandstones and the underlying Archean-Paleoproterozoic metamorphic and igneous basement rocks. The deposits occupy a range of positions from wholly basement-hosted to wholly sediment-hosted, at structurally favourable sites in the interface between the deeply weathered basement and overlying sediments of the Athabasca Basin (Ruzicka, 1997). The locations of These deposits are lithologically and structurally controlled by the sub-Athabasca unconformity and basement faults and fracture zones, which are localized in graphitic pelitic gneisses that may flank structurally competent Archean granitoid domes (Quirt, 1989).

In general, most of the known important deposits tend to occur within a few tens to a few hundred metres of the unconformity and within 500 m of the current ground surface. This may be more of a limitation of exploration techniques. There is no reason to believe that the distribution of the deposits is dependent on the modern day depth of

[7] Extended abstract submitted to 20TH ASEG International Geophysical Conference & Exhibition, Adelaide, AU, 22-26 Feb, 2009.

burial.
Empirically, the geophysical exploration for unconformity type uranium targets have been to search for large basement structures which post date the sandstone deposition of the basement (Matthews et. al, 1997). All the deposits located so far are associated with fault structures associated with a graphitic conductive basement. An alteration zone of clay silicification and enrichment around the deposits probably leads to magnetite destruction causing the magnetic low observed around the deposits. The clay alteration should give rise to a resistivity low signature about the deposits. The low conductivity of the clay alteration makes it a difficult target for airborne EM if it is buried at significant depth.

ZTEM INSTRUMENTATION AND PRESENTATION

ZTEM is an airborne AFMAG system introduced by Geotech Ltd. of Canada in early 2007 (Lo et al., 2008). In a ZTEM survey, a single vertical dipole air-core coil is flown over the survey area in a grid pattern similar to other airborne electromagnetic surveys. Two orthogonal, air-core, horizontal axis coils placed close to the survey site measures the horizontal EM fields for reference. A GPS array on the airborne coil monitors its attitude for post-flight corrections.

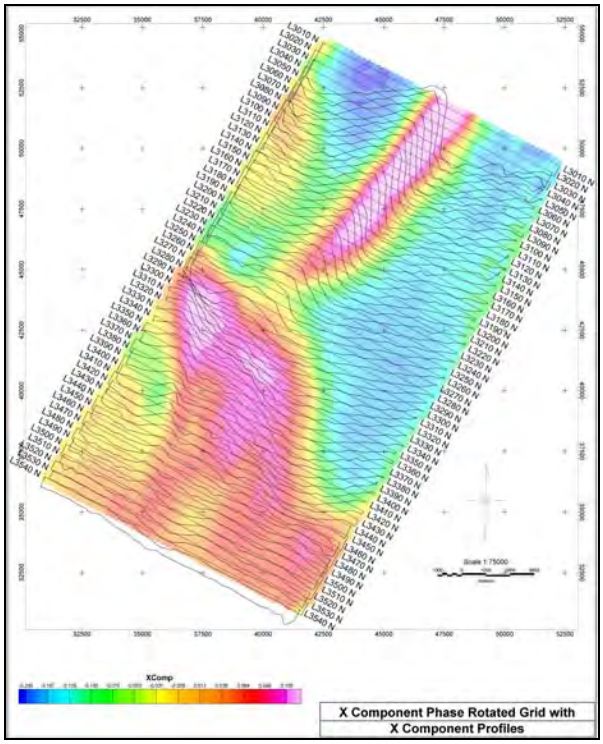

Figure 1 – Stacked profiles of the x-component Tipper over the gridded values of the phase rotated x-component data. Note that the cross-overs in the profiles are now peaks on the image.

As the source field is assumed to be far away, the excitation of the ground is more or less uniform. For large structures, the signal fall-off will be much slower than from a dipole source, such as those energized by traditional airborne systems. With the ZTEM system being less susceptible to terrain clearance, the planned ground clearance height is higher and the terrain drape is looser as compared to standard helicopter EM surveys.

The two Tippers obtained from the relationship between the vertical airborne coil and the two ground coils have a cross-over over a steeply dipping, plate-like body. The cross-overs can be made into local maxima via a 90 degree phase rotation which allows for easier interpretation of the gridded values. Figure 1 is an example of this transformation.

To present the data of both Tippers as one image, we calculate a parameter termed the DT which is the horizontal divergence of the two Tippers, much in the same manner as the "peaker" parameter in VLF (Pedersen, 1998). The DT is typically plotted with an inverted colour bar as it is negative over a steeply dipping thin body.

ZTEM RESULTS – NORTHERN ATHABASCA BASIN

Figure 2 shows gridded values from a number of ZTEM lines over an area where the sedimentary cover is approximately 450-600 metres thick. A number of traditional EM systems have also been flown over this block. While they were able to detect conductors, the resolution of the conductive features is not nearly as detailed as the information provided by ZTEM.

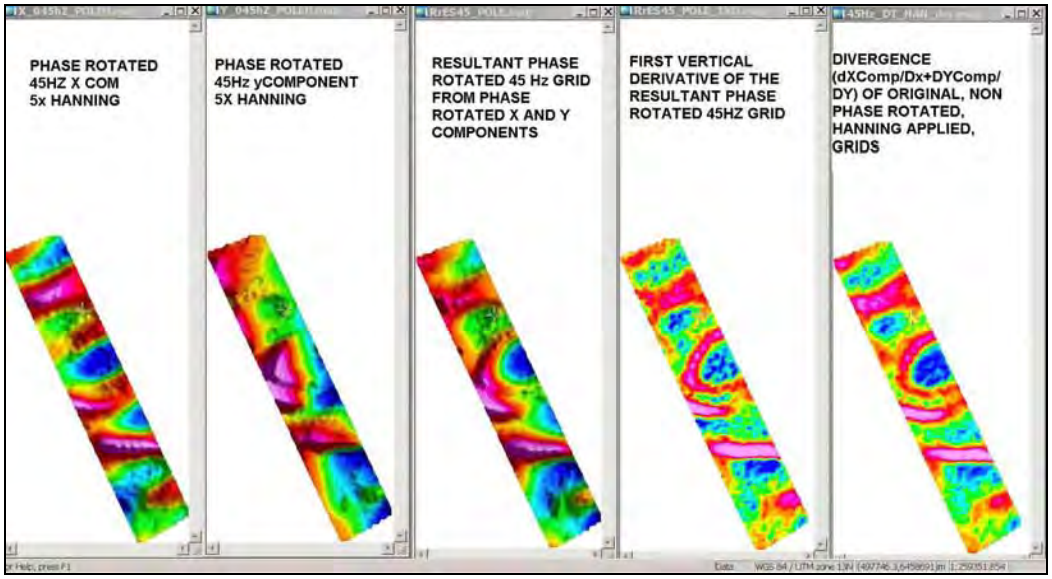

Figure 2 – ZTEM results over an area of 450-600 metre thick sedimentary cover.

Figure 3, from another area, shows the data from one of the larger blocks that was flown. It is a 3D composite image of the DT at various frequencies plotted at the equivalent skin depth assuming a 1,000 ohm-m average resistivity.

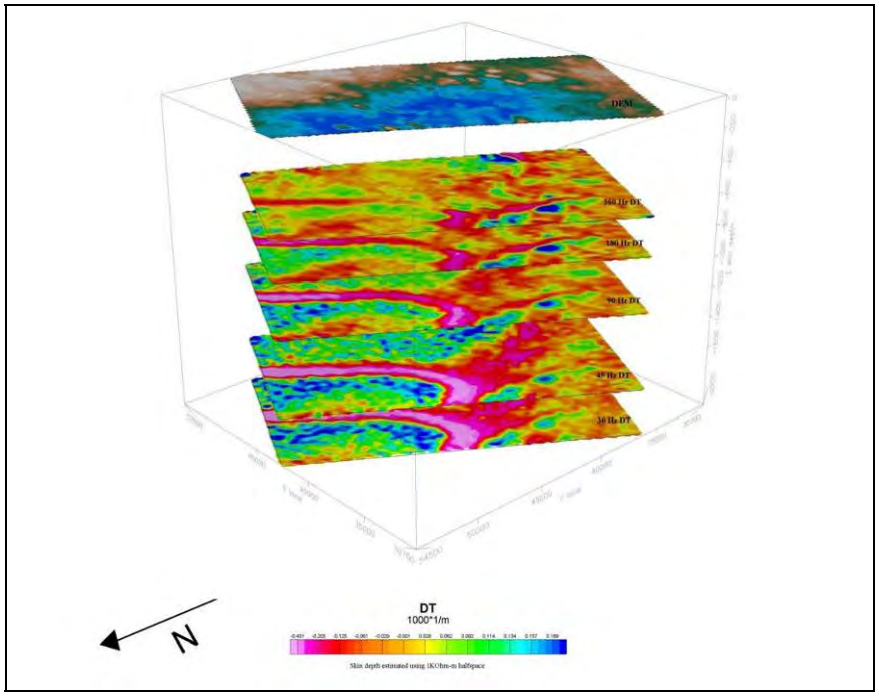

Figure 3 - Perspective view of DT's of different frequencies plotted at the skin depth (using a 1,000 ohm-m Earth.

The data in Figure 3 come from a survey over the north rim of the Athabasca Basin. The sandstone cover is about 500m on the left hand side of the image, and progressively getting deeper to the right. It is about 700m in the middle part of the image and over 800 metres thick on the right middle portion where exploration drilling is concentrated. Starting in the middle left and trending to the right of the image, there is a known graphitic shear.

In the uppermost (600m) "depth slice", Figure 3 shows a linear conductive feature that progressively weakens as one moves to the right until it is no longer seen. This is interpreted to be due to the graphitic shear conductor plunging deeper past the depth of investigation of the 360 Hz data. The lower frequencies penetrate more into the sedimentary cover that is deeper towards the right. DT's of decreasing frequency show the linear conductive feature extending more and more to the right. The feature also strengthens/sharpens into a synformal shape with lower frequencies. This fits with what the known geology of a plunging conductor at depth is doing.

At the nose of the fold, in the right third of the images, we also see another, broader anomalous zone that trends towards the back of the image. At this location, two radioactive springs are situated. These spring waters which are anomalously high in uranium and radon may reflect the upward migration of deep waters along faults, suggesting structural targets in areas where basinal waters may have tapped a radioactive source. This broad DT trend might be the plunge of the fold axis that is aligned away from the front of the image. An anomaly along this trend, at the highest frequency, that steadily grows with each decreasing frequency can be seen. This might represent an alteration zone in the sandstone that is detected at the shallowest depth. By about the 90Hz DT depth slice or so, we are possibly in the deeper basement and into a basement graphitic unit.

CONCLUSIONS

A number of successful ZTEM tests were conducted over the Athabasca Basin. The tests demonstrated that ZTEM can easily detect conductivity to 800 metres beneath relatively resistive sedimentary cover. Assuming a 1,000 ohm-metre

resistivity, the skin depth of the 30 Hz data is approximately 2,000 metres. The 30 Hz data presented have good signal to noise ratios indicating a deep depth of exploration. The observation that ZTEM may be detecting the clay alteration above the crystalline basement is a significant advantage for exploration of unconformity uranium deposits.

More demonstration surveys are planned in the Athabasca Basin later this year. And more target types for testing are also planned.

ACKNOWLEDGEMENTS

The authors thank Geotech Ltd. for allowing them to publish this work and for providing the support required to write this abstract and to present this paper.

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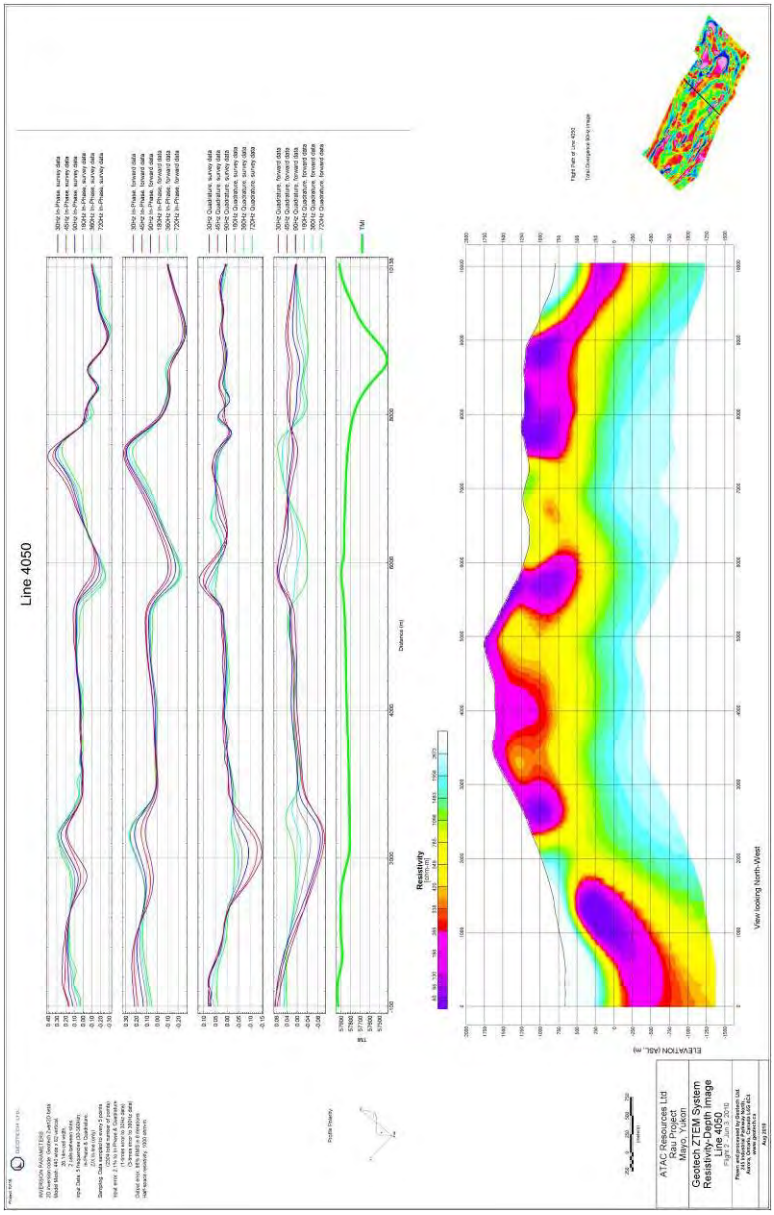
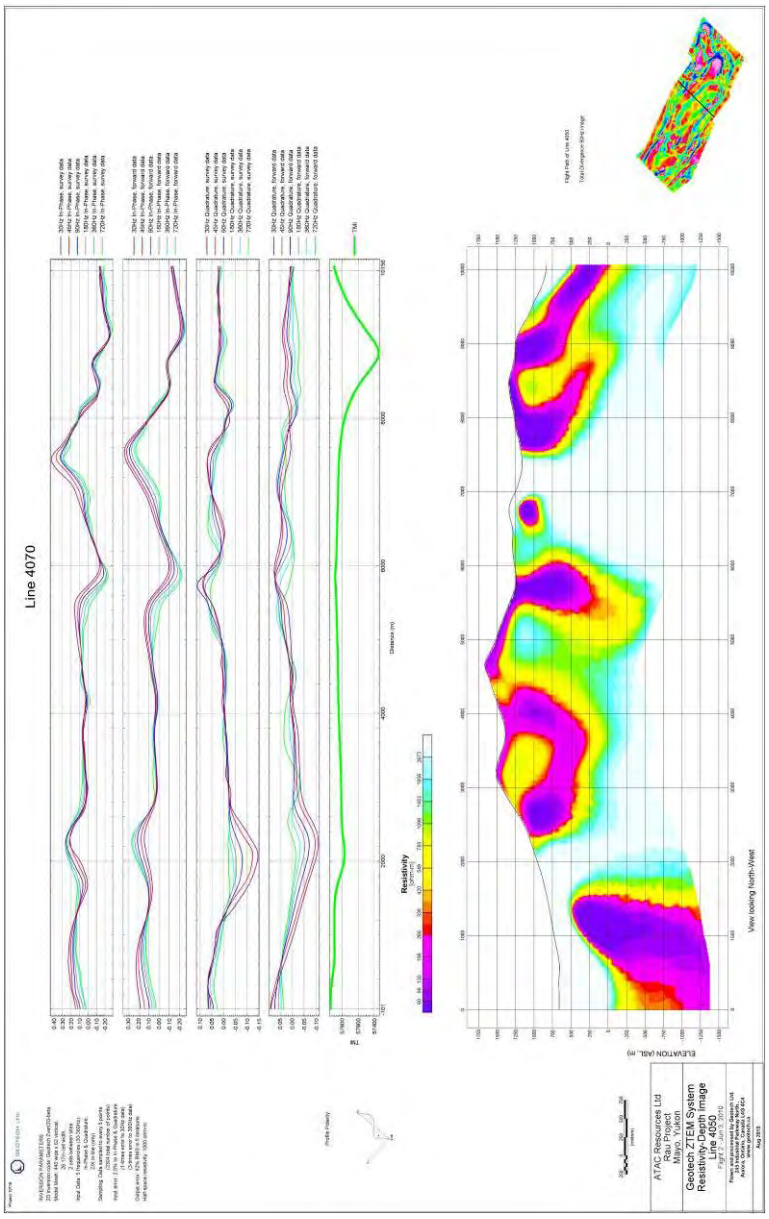
APPENDIX F

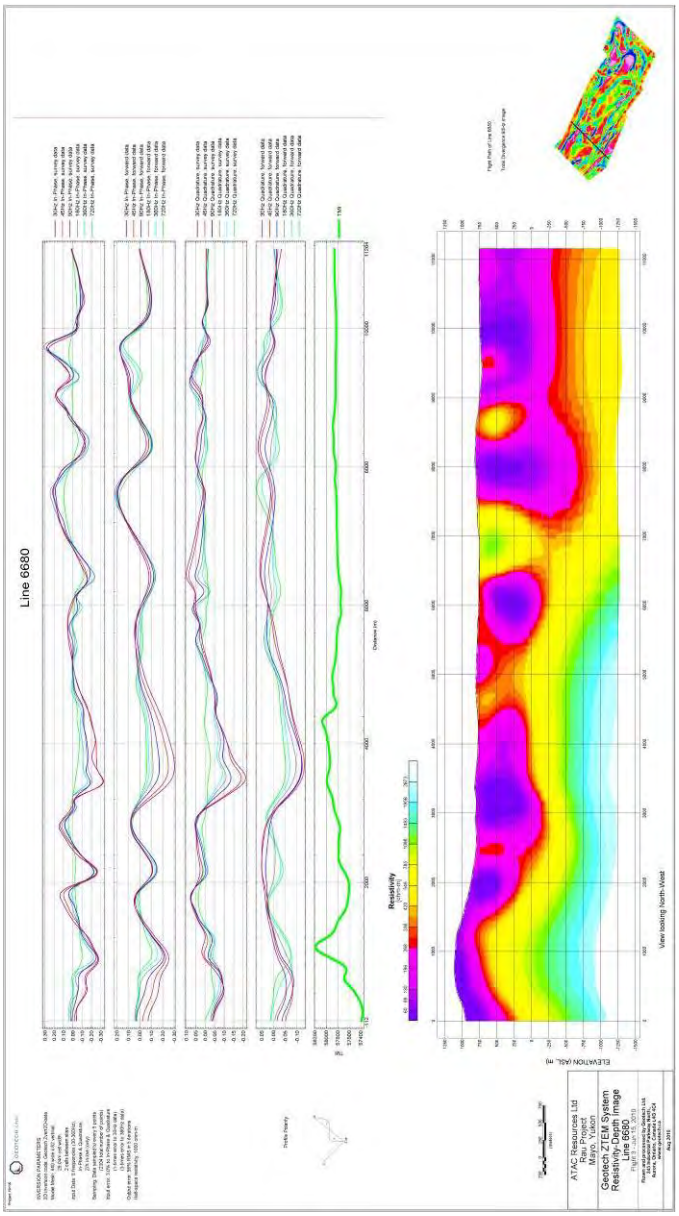
ZVERT 2D INVERSIONS



Line 4050


Line 4070
ATAC Resources Ltd
Rau Project
Mayo, Yukon
Geotech ZTEM System
Resistivity-Depth Image
Line 4070
Resistivity
ELEVATION (ASL, m)
View looking North-West

Line 4070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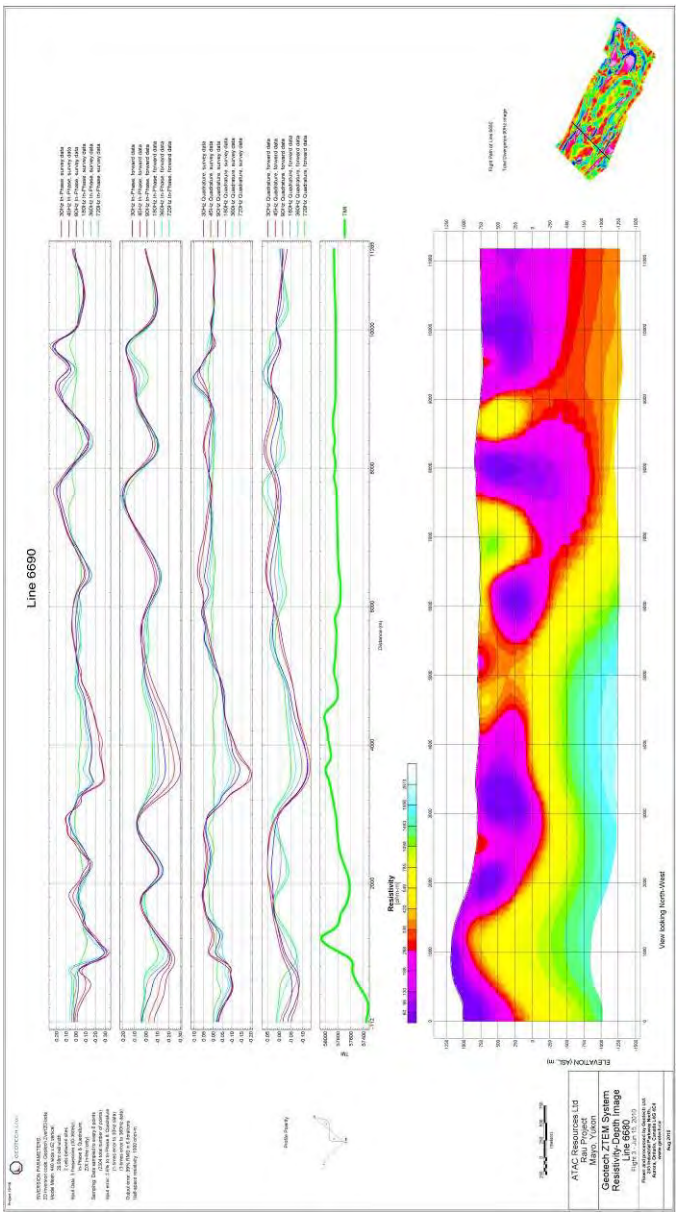
ATAC Resources Ltd
Rip Project
Manitoba, Canada
Geotech ZTEM System
Resistivity-Depth Image
Line 6680
Resistivity
View looking North-West

Line 6680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ATAC Resources Ltd
Rau Project
Mitta Mitta
Geotech ZTEM System
Resistivity-Depth Image
Line 6690
Resistivity
ELEVATION (ASL, m)
View looking North-West

Line 6690

APPENDIX VI

GEOPHYSICAL REPORT BY AURORA GEOSCIENCES

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Whitehorse, YT Y1A 5Y9
Phone (867) 668-7672
Fax: (867) 393-3577
www.aurorageosciences.com

AURORA GEOSCIENCES

MEMORANDUM

To: Bill Wengzyowski **Date:** June 11, 2010

From: Dave Hildes, Leatina Wood

Re: EL showing 2010 Induced Polarization Survey Field Report

FIELD

This memorandum is a field report describing geophysical surveys conducted on the El showing comprising seven lines of induced polarization (IP) surveying using a modified pole-dipole array. The survey was conducted from May 31 to June 10, 2009, based out of the McQuesten camp. A full survey log describing day by day operations is attached to this report.

A total of 7.7 line-km (seven lines) were completed over nine working days on lines put in prior to the arrival of the Aurora IP crew. There was one weather day due to very wet conditions. Production was hampered by very conductive ground causing a poor signal to noise ratio. Consequently many repeats were needed and reliable data was not routinely collected to the farthest offsets.

The crew was originally to conduct mise-a-la-masse IP surveys at the Rau on holes Rau-09-44 and Rau-09-61 but both holes had collapsed. An alternate 2010 was attempted but the hole was blocked by grease which the current electrode could not penetrate so the mise-a-la-masse survey was abandoned.

a. Crew and equipment.

The survey was conducted by the following personnel:

Tim Stewart	Crew chief	May 30th- June 10th 2010
Sam Lemay	Helper	May 30th- June 10th 2010

Christian Vitterlien	Helper	May 30th- June 10th 2010
Jessica Bulmer	Helper	May 30th- June 10th 2010

The crew was equipped with the following instruments and equipment:

IP receiver	1	Iris Elrec Pro (2315-2762498451-166)
IP transmitter	1	GDD TxII 3.6 kW (226)
Generator	1	Honda 5kW generator
IP equipment	1	Repair tools & spare IP parts
	5 km	14 gauge wire
	4	VHF handheld radios
		Georeels & spools ,and stainless steel electrodes
Other	1	Laptop with Geosoft IP package
	1	Truck

b. Survey specifications.

The modified pole-dipole IP surveys were conducted according to the following specifications:

Array	Modified Pole-Dipole Array
Dipole spacing	50 m on all lines
Dipoles Read	N=1 through 10 when possible
Tx	Time domain, 50% duty cycle, reversing polarity, 0.125 Hz.
Stacks	Minimum 15
Rx error	5 mV/V or less, otherwise repeated several times until repeatability assured
Grid registration	Handheld GPS points at line ends and every 200m minimum averaged 60 s or until estimated accuracy

FIELD

< 10 m, whichever was longer. All coordinates in NAD83 UTM Zone 8W.

c. Data Processing.

Data was downloaded nightly from the receiver and imported into Geosoft Oasis Montaj IP package. Every reading was inspected and readings which did not repeat were rejected from the database. Apparent resistivity was recalculated using a four electrode equation assuming a homogeneous earth. Average apparent resistivity and chargeability were calculated using a weighted mean based on the number of stacks and the standard deviation of the chargeability.

GPS points were dumped from the handheld units and the coordinates for the stations determined by linear interpolation between GPS units.

Prior to 2D resistivity modelling, errors in the apparent conductance were assigned to the data. There is no means of directly quantifying these errors because neither the transmitter nor receiver records the error in the current or voltage. Default initial and reference models based on an average of the apparent resistivity were used. After the default run, the data were inverted a second time using initial and reference models of a much higher value than the average in the survey area. The purpose of this second run is to generate a model with a background resistivity greatly different than the average values used in the default run. After the second run, the two models were compared and the area where the models differed by a given factor (see attached table) was removed from the default run model. These points are not sensitive to the field data and there is no reliable subsurface information. Chi factors were adjusted to ensure convergence and an appropriate level of structure to the model.

Prior to 2D chargeability modelling, the observed standard deviation of chargeability was used as a measure of error for apparent chargeability. To avoid zero errors, a minimum of 0.2 mV/V was added to each error measurement. The IP data were first inverted using default values (initial and reference model of a 0 mV/V half-space), with the same mesh as the resistivity modelling, using the default recovered resistivity model. After the first run, the data were inverted a second time using initial and reference models of 500 or 700 mV/V (a much higher value than the average in the survey area). The two models were then compared and regions in the default model which varied more than a given factor (see attached table) were removed in the final models. In these regions, the final model is not sensitive to the field data and there is no reliable subsurface information. Chi factors were adjusted to ensure convergence and an appropriate level of structure to the model.

Pseudosections of apparent resistivity, apparent chargeability, and apparent chargeability error, draped over topography, were produced with Oasis Montaj along with the recovered resistivity and chargeability models plotted at the same scale.

Line	DC Chi	DC iterations	IP Chi	IP iterations	Min Stn	Max Stn	Infinite	Notes	
9600	80	12	1.6	17	9500	10600	11525		5%+0.00001 error added. Mesh 2, 2
9700	1	19	1.8	28	9500	10600	11465	initial model 0.1 Ohm-m	10%+0.00001 error added. Mesh 2, 2
9800	2	23	0.5	15	9500	10600	11475		5%+0.00001 error added. Mesh 4, 2
9900	2.5	25	0.6	14	9500	10550	10600		5%+0.00001 error added. Mesh 4, 2
10000	40	14	40	15	9500	10600	11390		5%+0.00001 error added. Mesh 2, 2
10100	7	26	6	26	9500	10550	11405		5%+0.00001 error added. Mesh 4, 2
10200	20	16	10	23	9500	10600	11430	Default run had very high chargeabilities. Removed extreme values in data file	5%+0.00001 error added. Mesh 2, 2

DC	Initial/ Reference model	DOI JPG	DOI Geosoft	Min	Max	Padding Cells	Clip at Elevation
9600	1000	0.5	0.5	0.4776	3528	6, 10	400
9700	100	0.3	0.9	0.23	2000	6,10	350
9800	100	0.5	0.9	0.125	5.25E+04	9, 10	350
9900	100	0.3	0.9	0.04	1.40E+04	9,6	400
10000	1000	0.5	0.9	0.104	3378	6,10	400
10100	1000	0.5	0.9	0.1179	1500	9,10	400
10200	1000	0.4	0.7	0.192	1500	6,10	400

FIELD

IP	Initial/ reference model	DOI	DOI Geosoft	Min	Max	Padding Cells	Clip at Elevation
9600	500	0.2	0.7	0	40	6, 10	400
9700	500	0.2	0.5	0	75	6,10	350
9800	500	0.3	0.9	0	50	9,10	350
9900	500	0.5	0.7	0	50	9,6	400
10000	700	0.3	0.6	0.26	150	6,10	400
10100	500	0.4	0.7	3.73	50	9,10	400
10200	500	0.1	0.9	0	50	6,10	400

d. **Products**.

The following files are appended to the digital version of this report:

Data\Rau_IP_final.gdb Data\Rau_IP_final.xyz Data\channels.txt Data\Rau_GPS.xyz	Final data in Geosoft ASCII xyz and gdb format. The GPS files have all GPS coordinates taken in NAD83, UTM zone 8N coordinates. The file channels.txt describes the columns of Rau_IP_final.xyz file.
Images\2D inversion Images\L9600_Composite_section.pdf Images\L9700_Composite_section.pdf Images\L9800_Composite_section.pdf Images\L9900_Composite_section.pdf Images\L10000_Composite_section.pdf Images\L10100_Composite_section.pdf Images\L10200_Composite_section.pdf	2D inversion images of the models with convergence curves and predicted versus observed data. The composite sections show pseudosections of apparent resistivity, apparent chargeability and apparent chargeability error and recovered models of resistivity and chargeability all at a scale of 1:5000.
Raw	A folder with all the raw instrument dump files.
El showing IP Field Report.pdf	A PDF of this report.
ATC-10523-YT IP Daily Report.pdf	Survey log

e. **Results**.

In general the results are consistent with a Manto style carbonate replacement model of mineralization. There is a very conductive core (> 1S) running across the grid just north of station 10000, modelled at depths as shallow as 50 m below surface. This is not consistent with unaltered carbonate and could represent massive sulphide mineralization. If further work confirms the target of interest to be this conductive horizon, EM techniques, either frequency-domain (e.g. Maxmin) or time-domain (e.g. Protem) depending on the desired

depth of investigation, are better suited and cheaper techniques to further delineate this target geophysically.

The conductive core tends to be interrupted by a more resistive horizon at station 10100, clearly seen in lines 9700, 9800, 9900, 10100 and 10200. The resistive horizon appears to be absent on L9800. There are indications of a second resistive horizon further south at station 9800 on lines 9800, 10000 and best defined on line 10100.

Although the survey geometry is not particularly sensitive to dip, there are consistent indications in the data and the inversions of a dip to the north. This is best illustrated in L9800 and L10100.

This conductive core manifests itself as low voltage readings which in turn results in chargeability data that is contaminated with significant noise. Nevertheless, the resistivity data indicative of the conductive core is sound and most of the chargeability data, although noisy, has spatial coherence and conclusions can also therefore also be drawn from that data.

Generally there is a chargeable halo around the conductive core, consistent with a halo of disseminated sulphide mineralization around a massive sulphide core. This chargeable layer is often above the conductive core. It should be noted that some of the chargeability inversions, particularly L10200 were difficult to run and many of the extreme values in the data were consequently omitted from the inverted data set to facilitate the execution of the code.

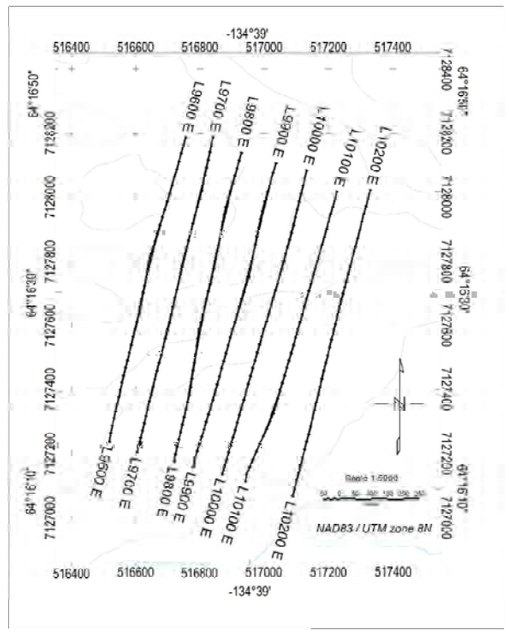
The lines on the eastern part of the grid (line 9900 through 10200) show some indication of a deeper chargeability anomaly

The geophysical results warrant drill testing. There is a shallow, robust chargeability high at station 10200, well defined on lines 9600, 9700 and 9800, this could be tested with a 100 m vertical hole on line 9700, station 10200. Alternatively, an angled hole with a 65 degree dip to grid-south could be collared at station 10200 on line 9700 to test both the shallow chargeability and the deeper conductive target, but would have to be > 400 m to adequately test the deeper conductive feature. A shallower, 200 m vertical hole at station 9960 on line 9800 could test the upper conductivity feature and also test a separate shallow chargeability feature. On line 10100, the resistivity feature comes closer to surface and a 200 m angled hole (65 degree to grid-south) at station 10050 would test the upper part of the conductivity anomaly or a steeper (80 degree) 350 m hole at the same collar would test the deeper conductive target. Both would also test the recovered shallow chargeability from that line.

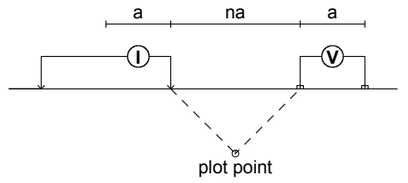
Respectfully submitted,
AURORA GEOSCIENCES LTD.

Dave Hildes
Geophysicist

COMPOSITE SECTION PLOTS
L96+00 E



Modified Pole-Dipole Array

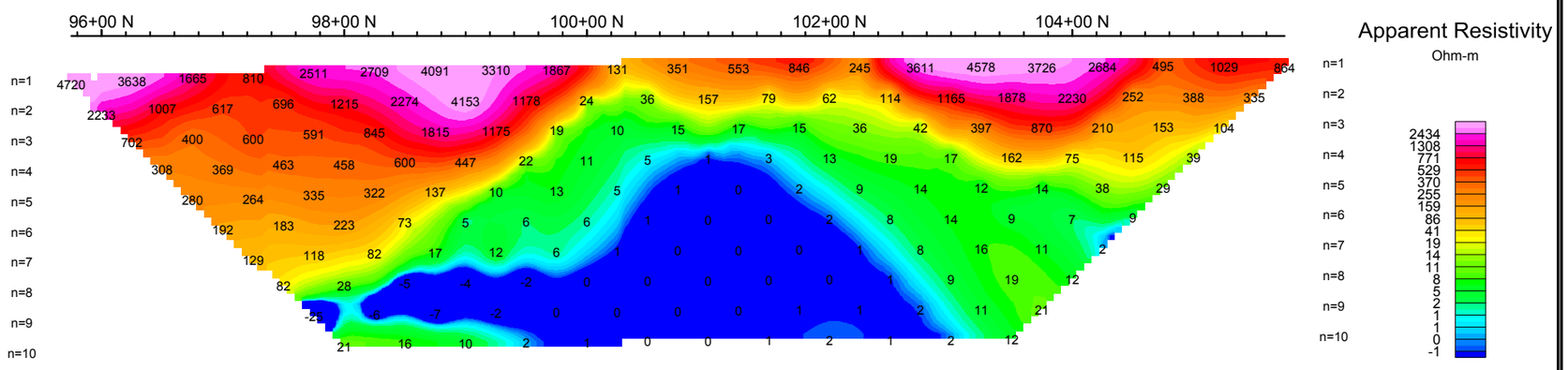


a = 50m

Survey moved grid south.

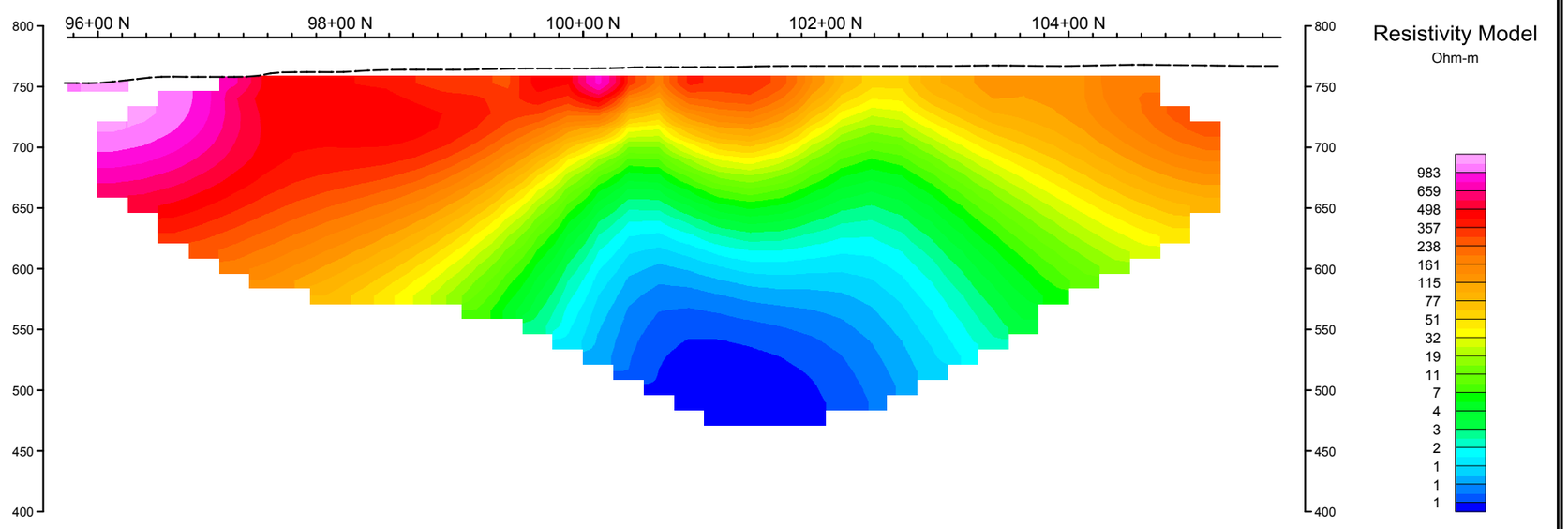
Stationary electrode at 11525N.

Apparent Resistivity
Ohm-m



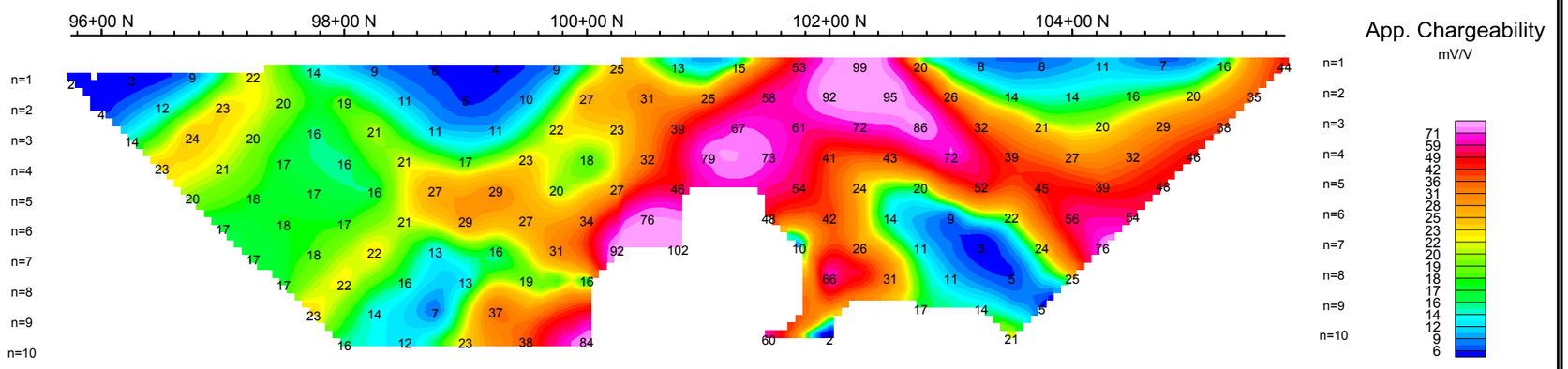
Apparent Resistivity
Ohm-m

Resistivity Model
Ohm-m



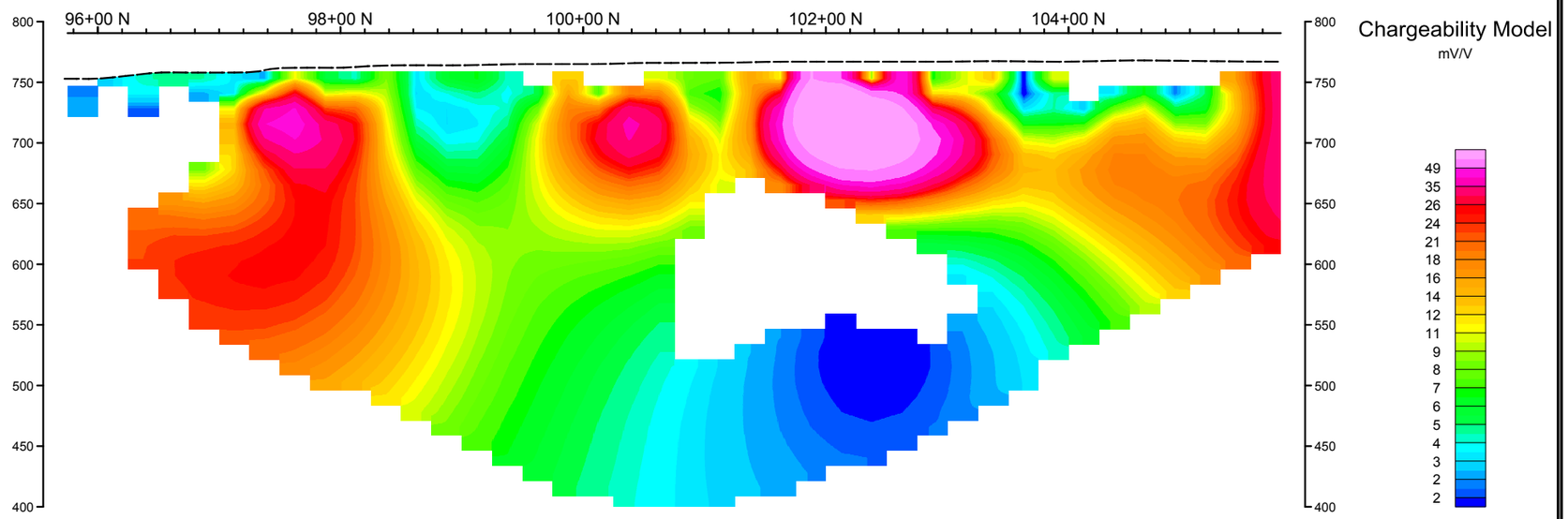
Resistivity Model
Ohm-m

App. Chargeability
mV/V



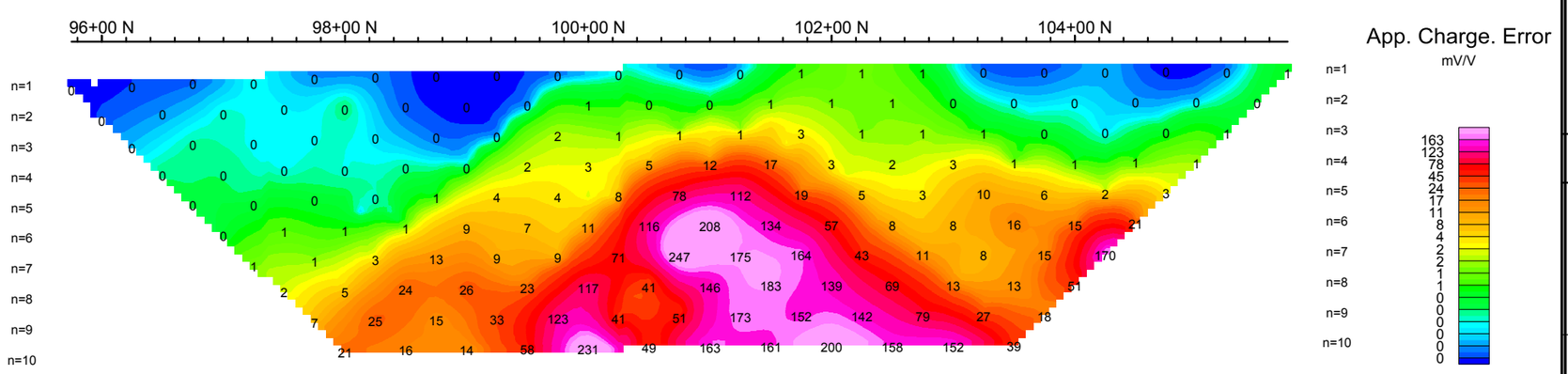
App. Chargeability
mV/V

Chargeability Model
mV/V



Chargeability Model
mV/V

App. Charge. Error
mV/V



App. Charge. Error
mV/V

Scale 1:5000

50 0 50 100 150 200 250 300

(meters)

ATAC Resources Ltd.

INDUCED POLARIZATION SURVEY
EL GRID
App. Resistivity, Chargeability & Error Pseudosections
Resistivity & Chargeability Models

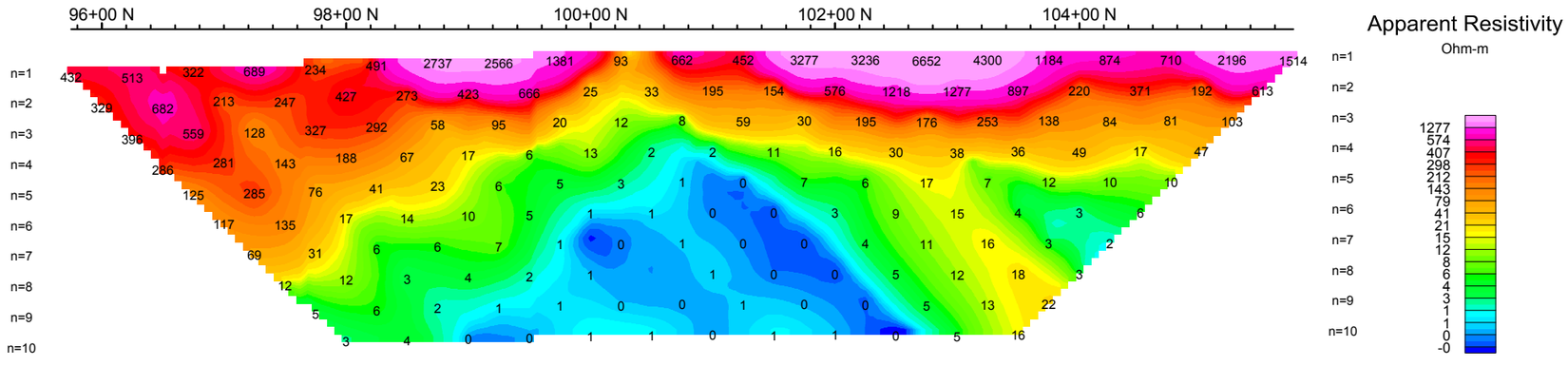
LOC: YUKON
DATUM: NAD83 Zone 8
DATE: June 15, 2010

GRID: NTS 106D/07
PROJECTION: LOCAL
JOB: ATC-10523-YT

AURORA GEOSCIENCES LTD.

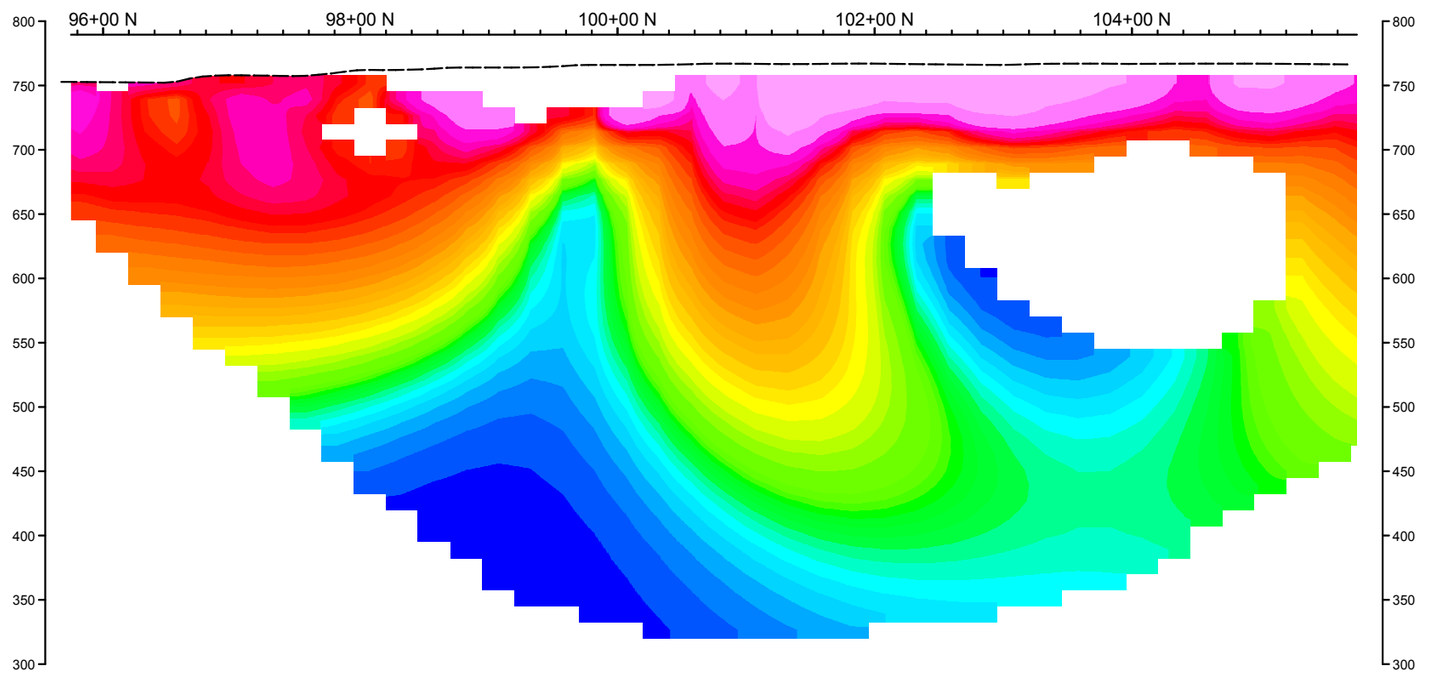
COMPOSITE SECTION PLOTS
L97+00 E

Apparent Resistivity
Ohm-m

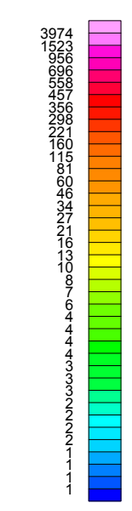


Apparent Resistivity
Ohm-m

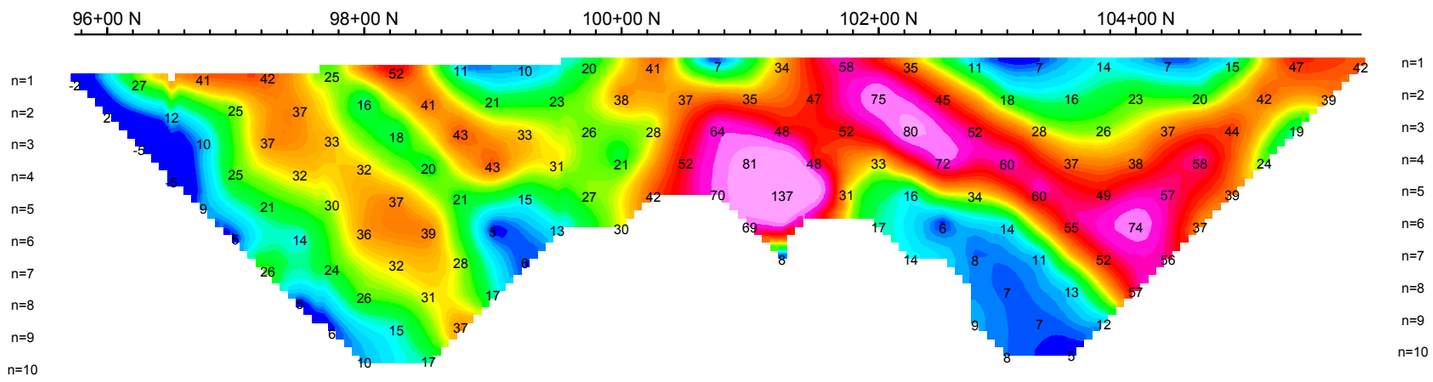
Resistivity Model
Ohm-m



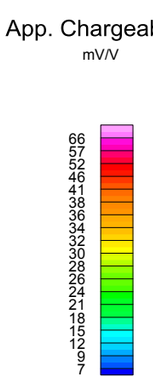
Resistivity Model
Ohm-m



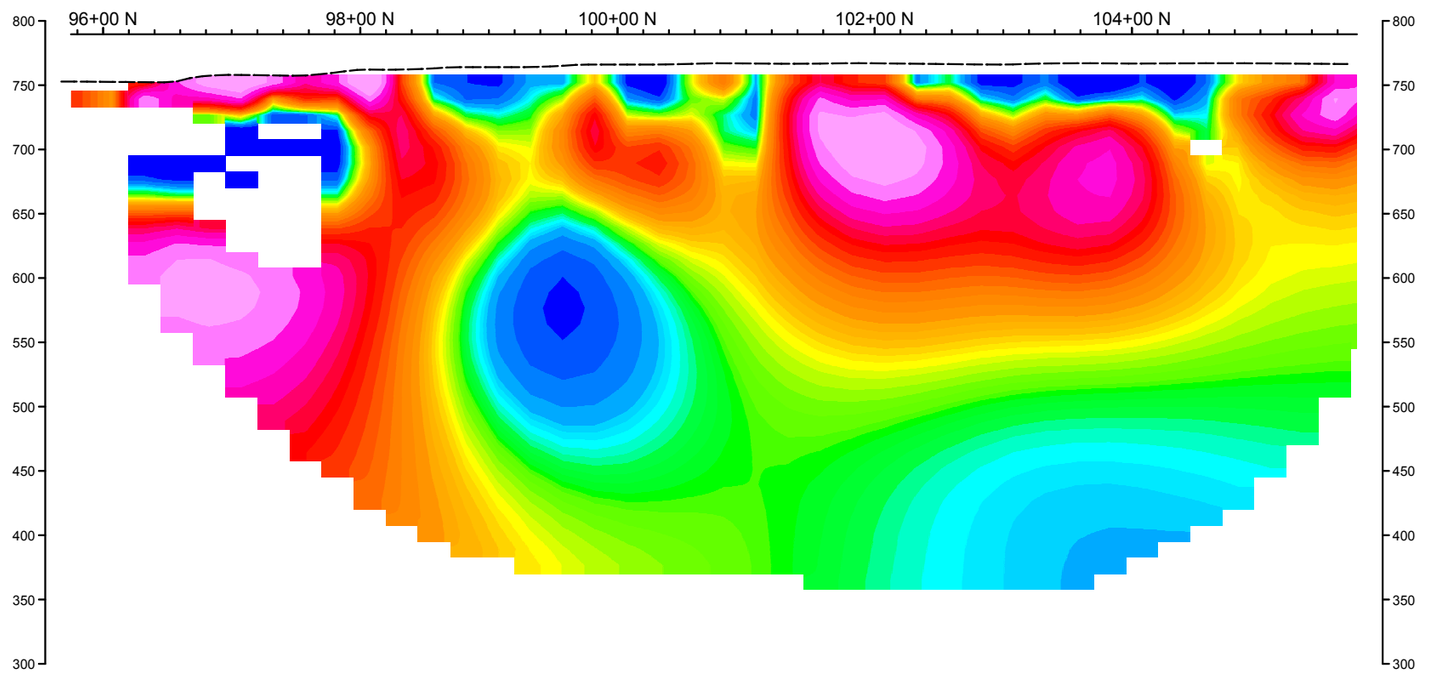
App. Chargeability
mV/V



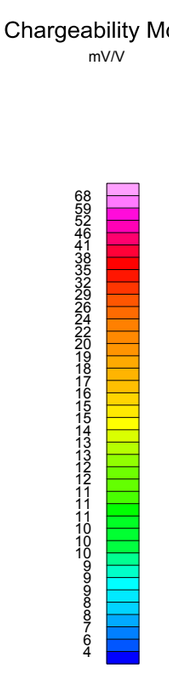
App. Chargeability
mV/V



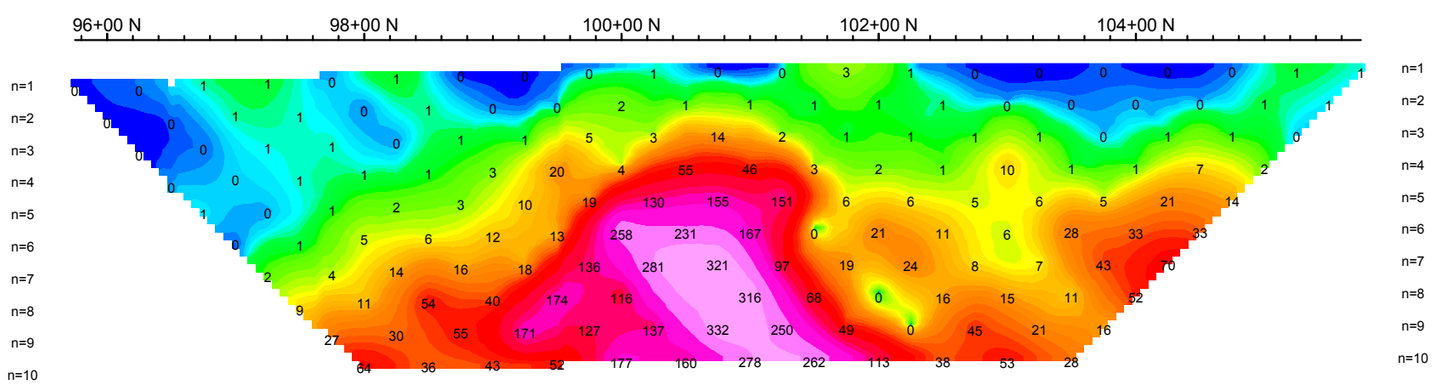
Chargeability Model
mV/V



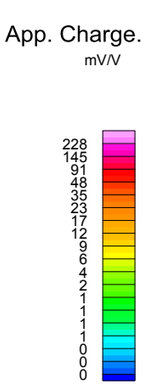
Chargeability Model
mV/V

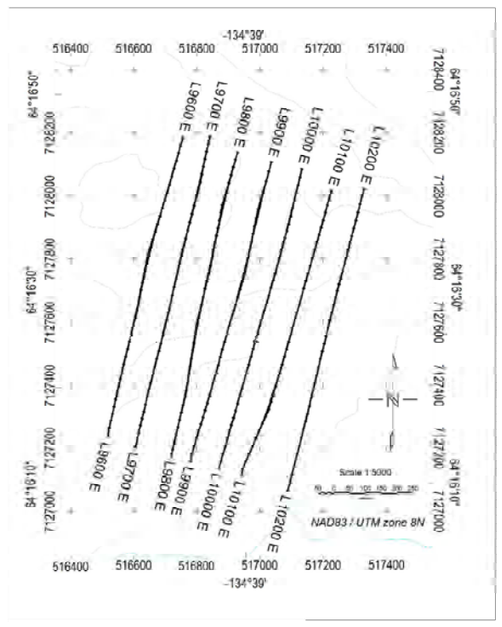


App. Charge. Error
mV/V

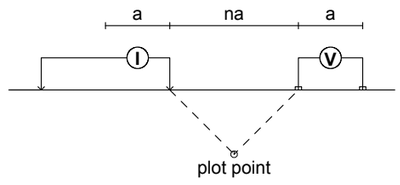


App. Charge. Error
mV/V





Modified Pole-Dipole Array



a = 50m

Survey moved grid south.

Stationary electrode at 11465N.

Scale 1:5000

50 0 50 100 150 200 250 300

(meters)

ATAC Resources Ltd.

INDUCED POLARIZATION SURVEY
EL GRID
App. Resistivity, Chargeability & Error Pseudosections
Resistivity & Chargeability Models

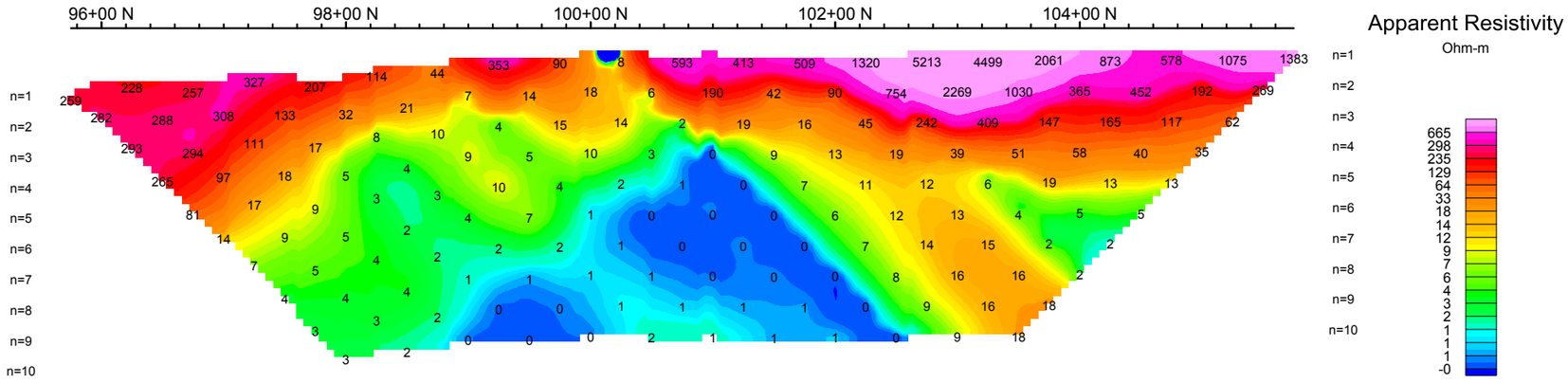
LOC: YUKON
DATUM: NAD83 Zone 8
DATE: June 15, 2010

GRID: NTS 106D/07
PROJECTION: LOCAL
JOB: ATC-10523-YT

AURORA GEOSCIENCES LTD.

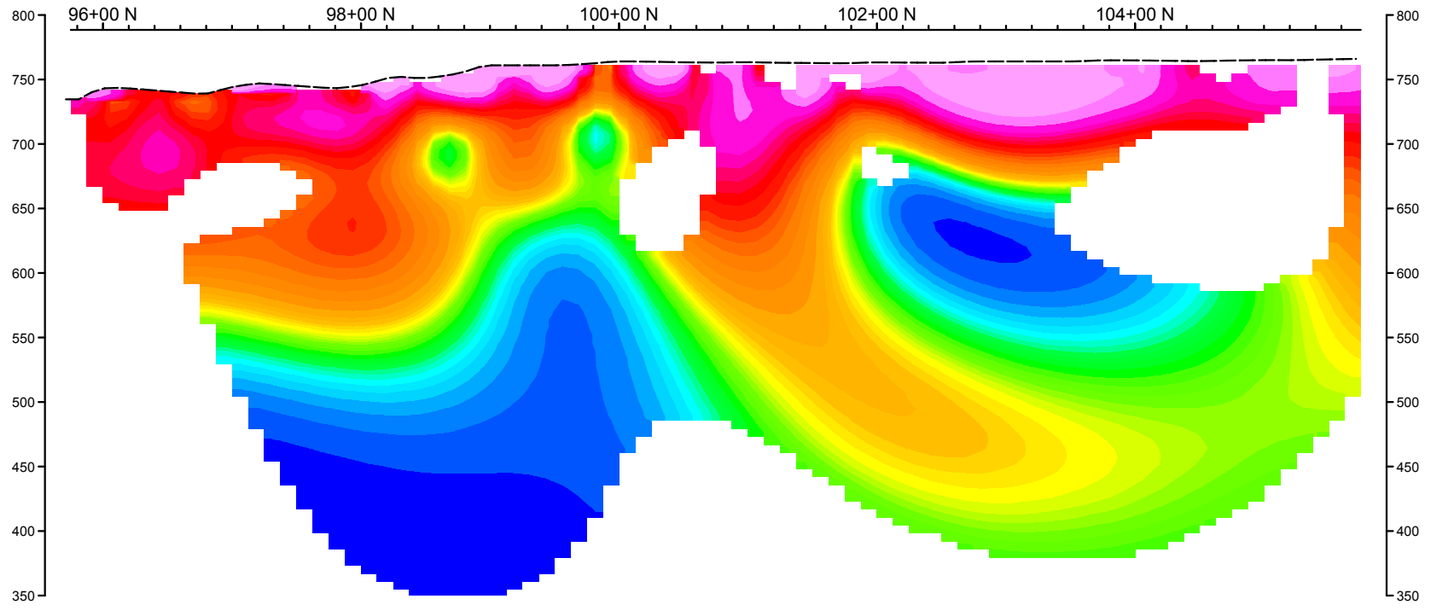
COMPOSITE SECTION PLOTS
L98+00 E

Apparent Resistivity
Ohm-m

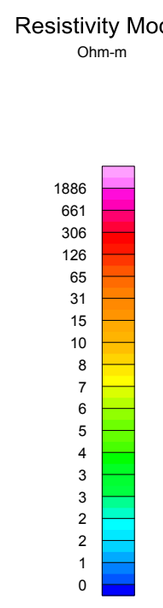


Apparent Resistivity
Ohm-m

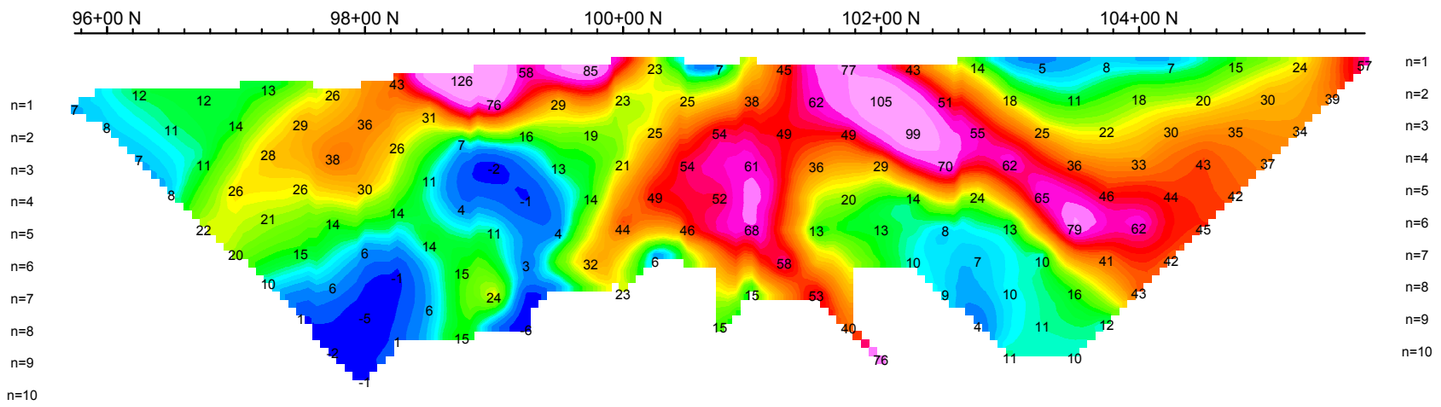
Resistivity Model
Ohm-m



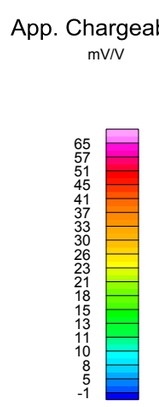
Resistivity Model
Ohm-m



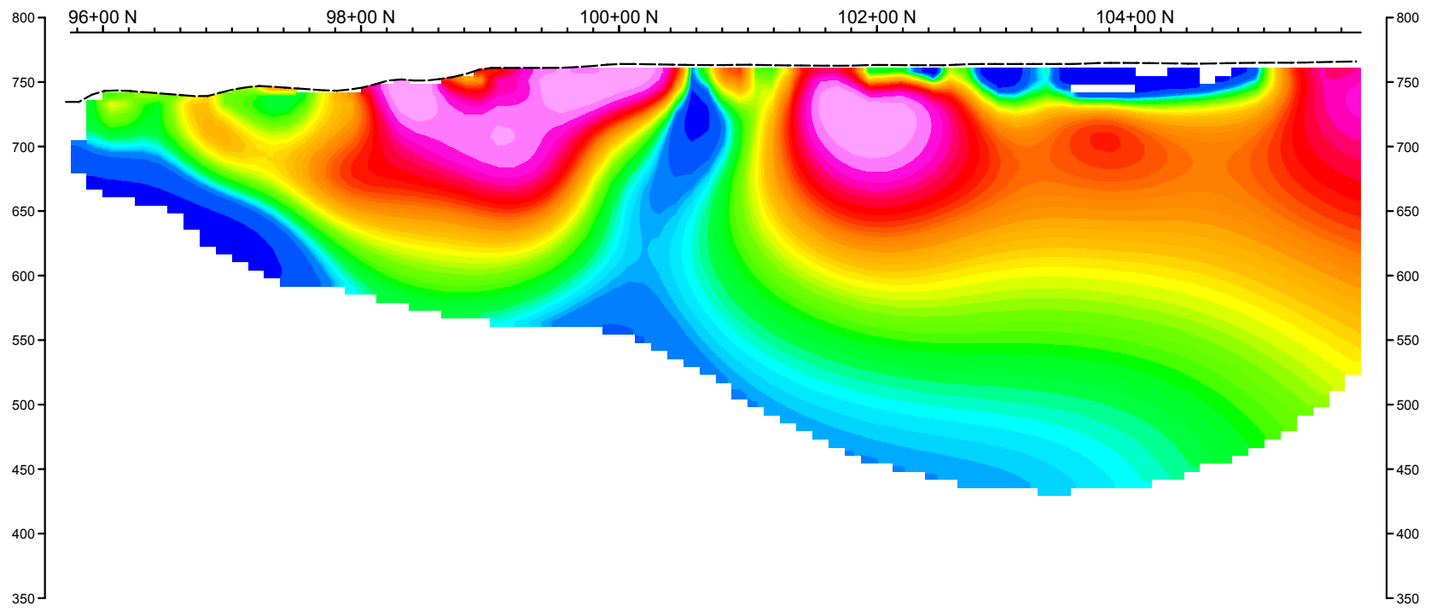
App. Chargeability
mV/V



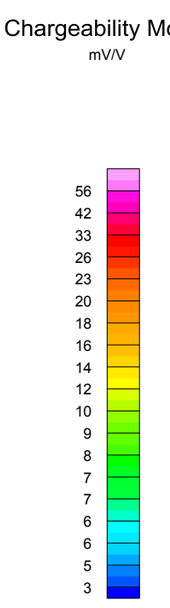
App. Chargeability
mV/V



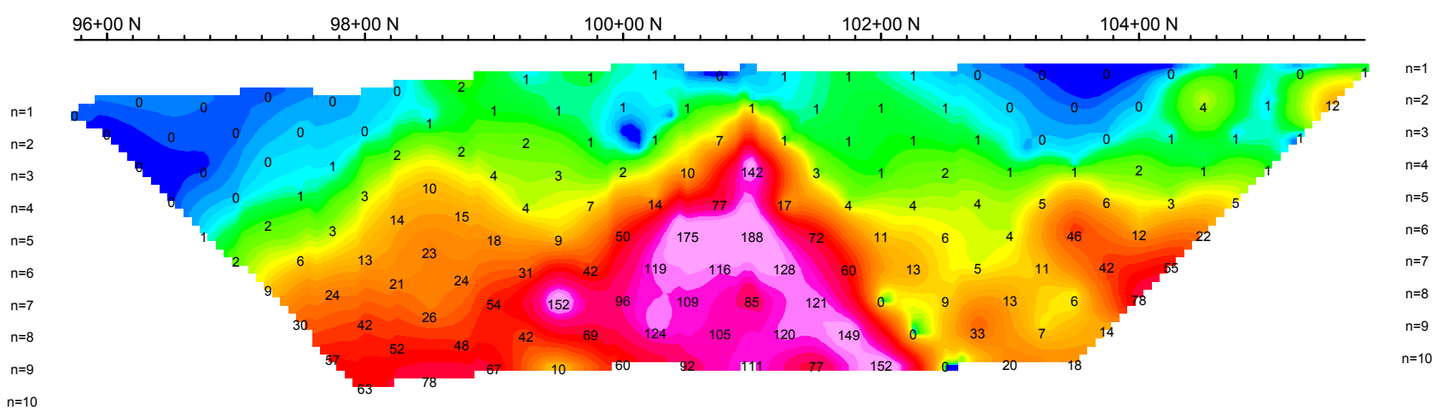
Chargeability Model
mV/V



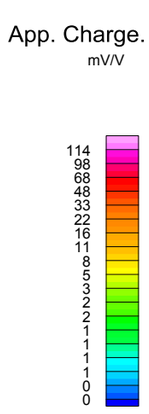
Chargeability Model
mV/V

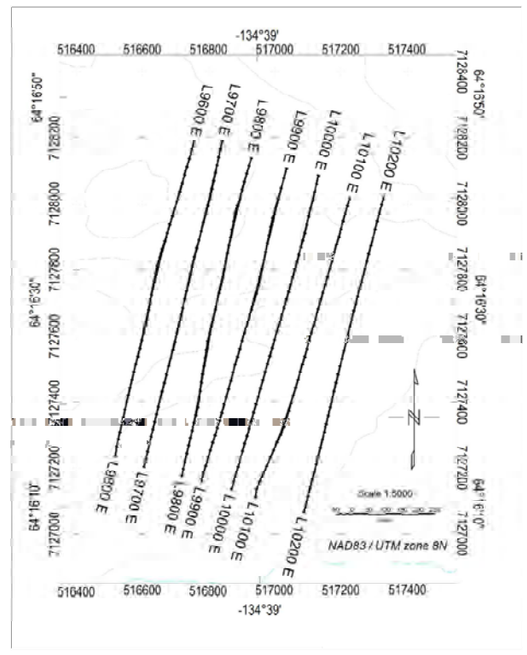


App. Charge. Error
mV/V

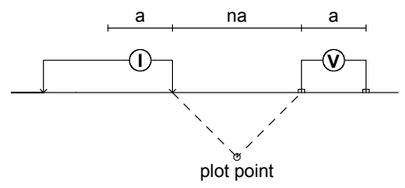


App. Charge. Error
mV/V





Modified Pole-Dipole Array



a = 50m

Survey moved grid south.

Stationary electrode at 11475N.

Scale 1:5000

50 0 50 100 150 200 250 300

(meters)

ATAC Resources Ltd.

INDUCED POLARIZATION SURVEY
EL GRID
App. Resistivity, Chargeability & Error Pseudosections
Resistivity & Chargeability Models

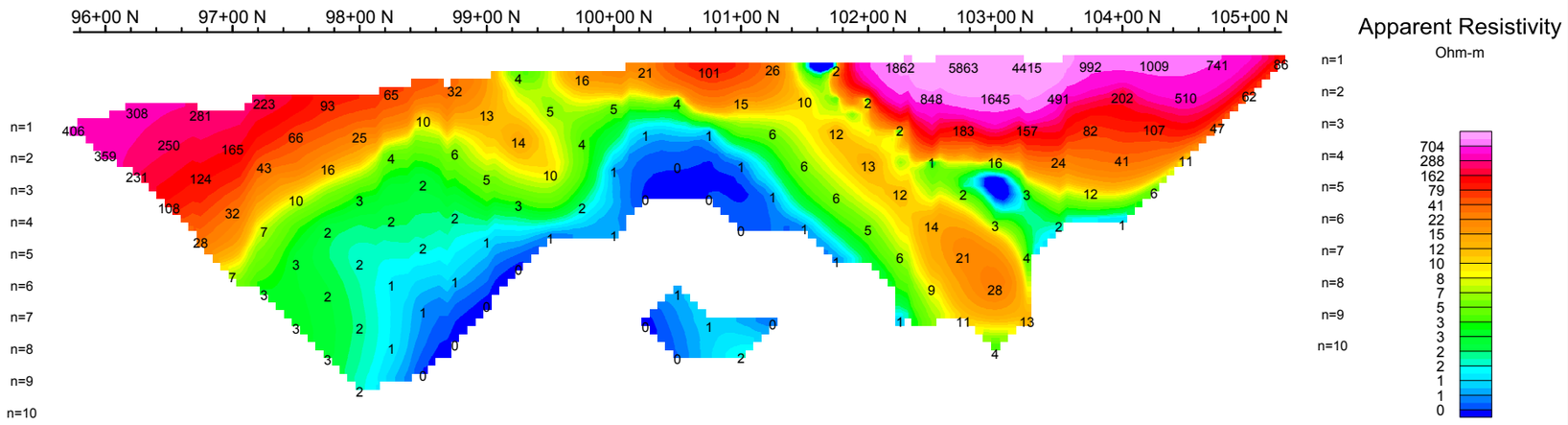
LOC: YUKON
DATUM: NAD83 Zone 8
DATE: June 15, 2010

GRID: NTS 106D/07
PROJECTION: LOCAL
JOB: ATC-10523-YT

AURORA GEOSCIENCES LTD.

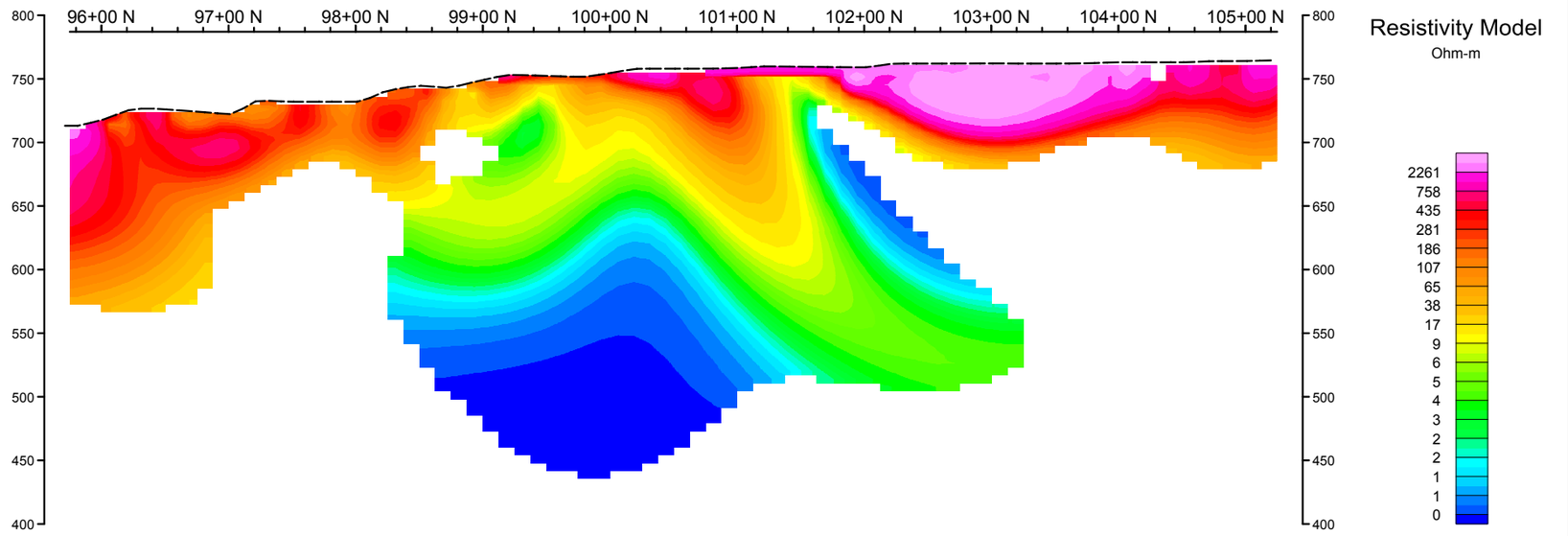
COMPOSITE SECTION PLOTS
L99+00 E

Apparent Resistivity
Ohm-m



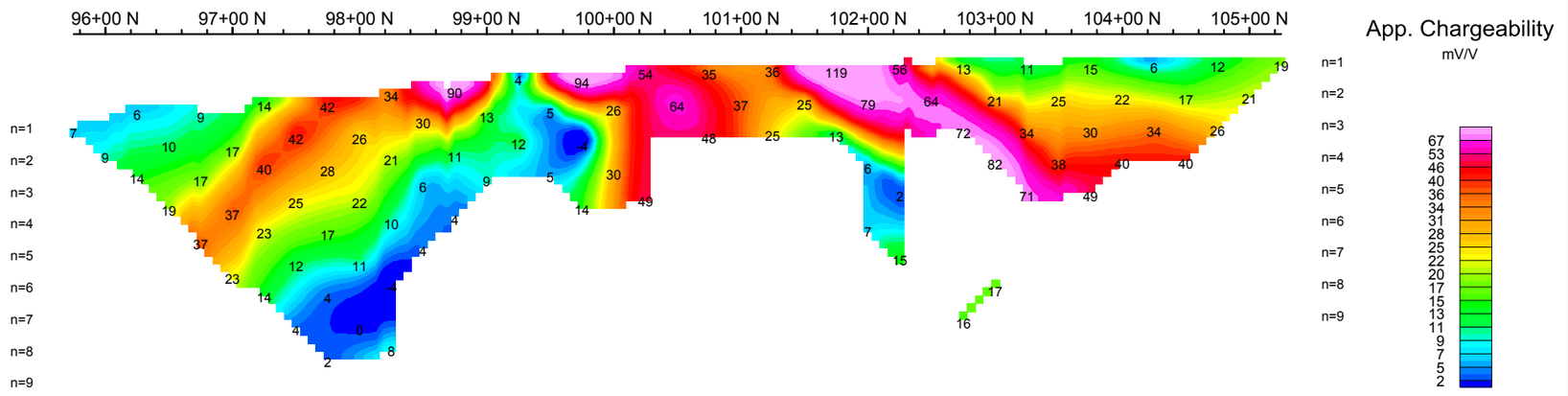
Apparent Resistivity
Ohm-m

Resistivity Model
Ohm-m



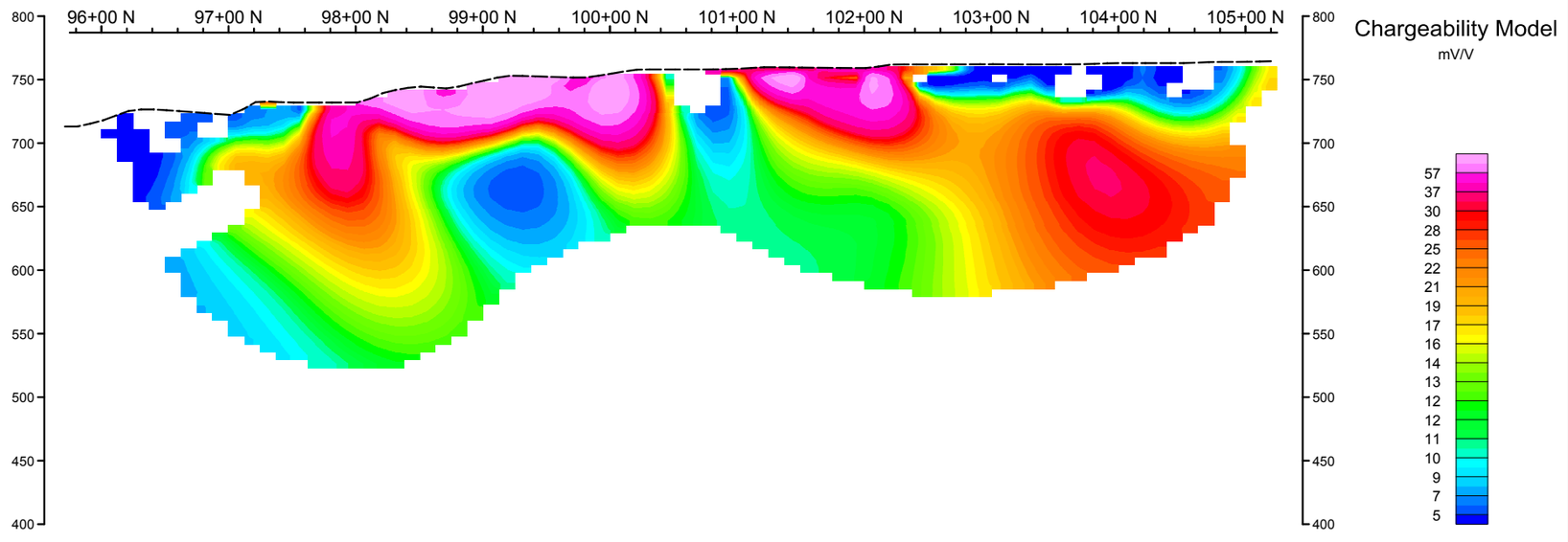
Resistivity Model
Ohm-m

App. Chargeability
mV/V



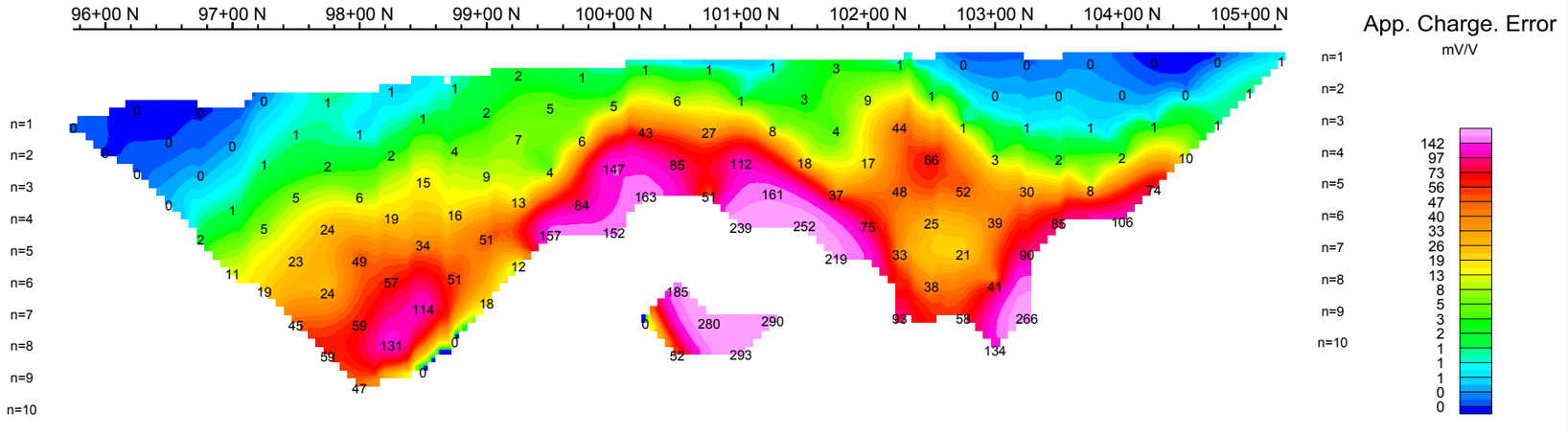
App. Chargeability
mV/V

Chargeability Model
mV/V

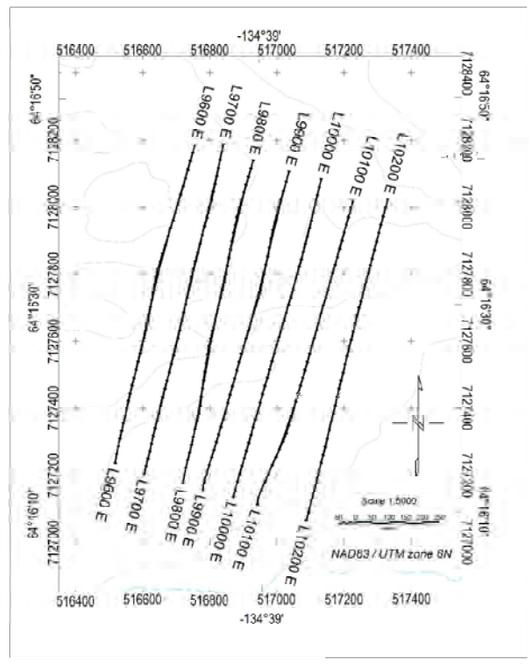


Chargeability Model
mV/V

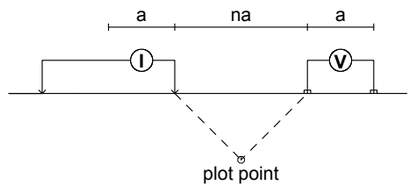
App. Charge. Error
mV/V



App. Charge. Error
mV/V



Modified Pole-Dipole Array



a = 50m

Survey moved grid south.

Stationary electrode at 10600N.

Scale 1:5000

50 0 50 100 150 200 250 300

(meters)

ATAC Resources Ltd.

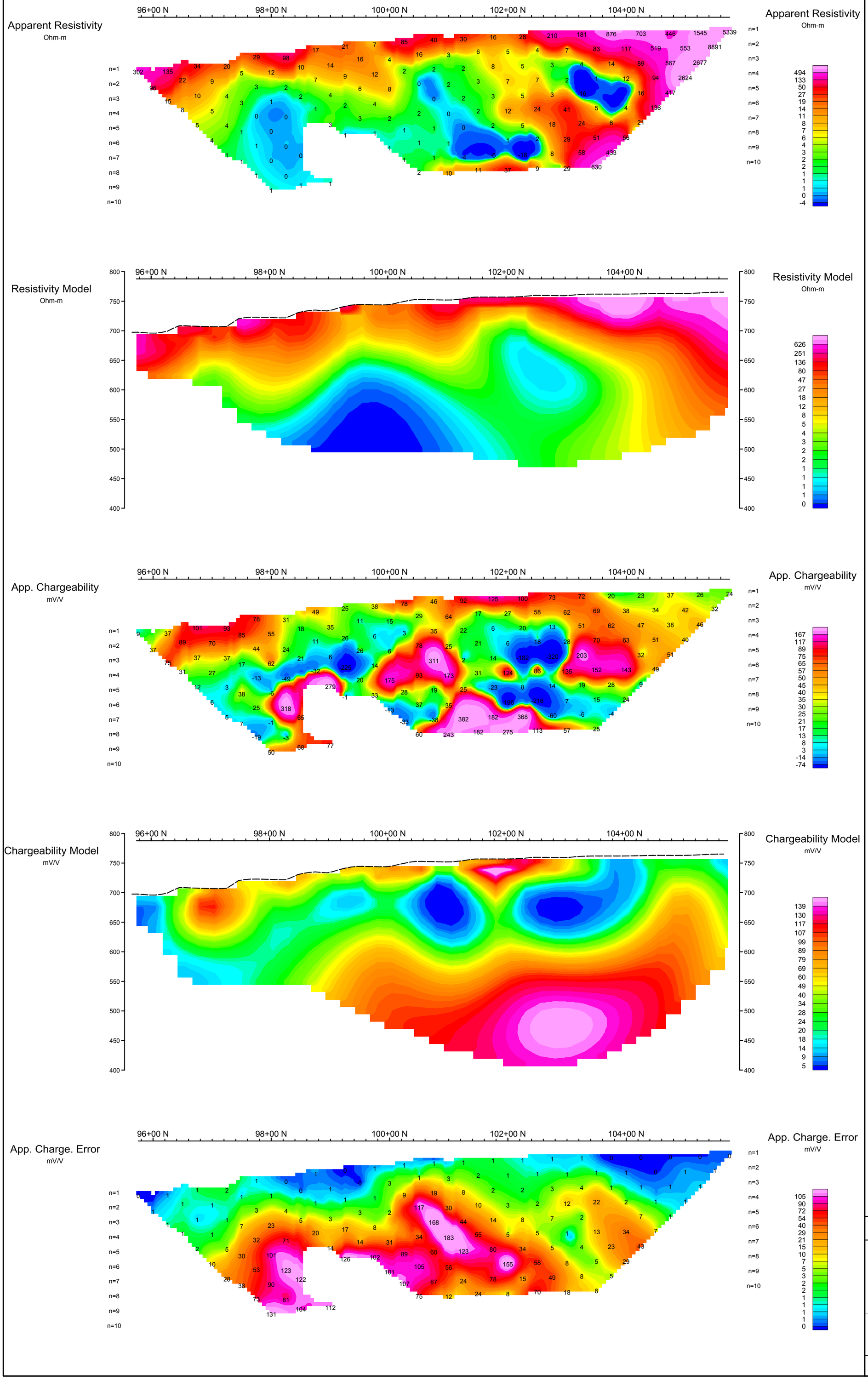
INDUCED POLARIZATION SURVEY
EL GRID
App. Resistivity, Chargeability & Error Pseudosections
Resistivity & Chargeability Models

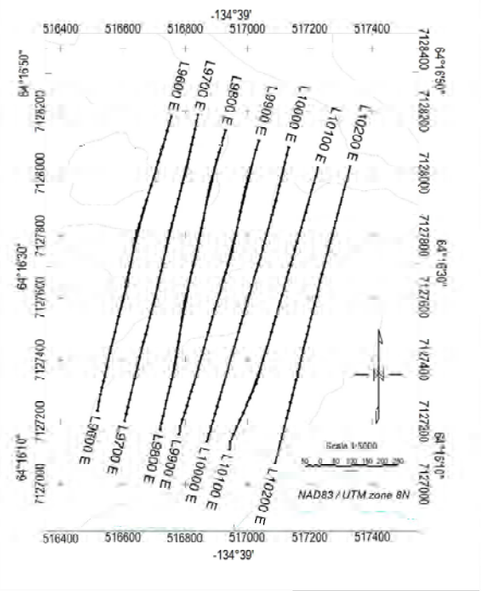
LOC: YUKON
DATUM: NAD83 Zone 8
DATE: June 15, 2010

GRID: NTS 106D/07
PROJECTION: LOCAL
JOB: ATC-10523-YT

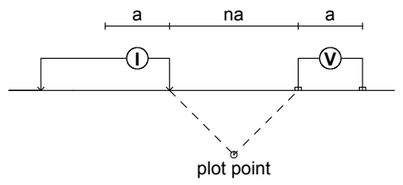
AURORA GEOSCIENCES LTD.

COMPOSITE SECTION PLOTS
L100+00 E





Modified Pole-Dipole Array



a = 50m

Survey moved grid south.

Stationary electrode at 11390N.

Scale 1:5000

50 0 50 100 150 200 250 300

(meters)

ATAC Resources Ltd.

INDUCED POLARIZATION SURVEY
EL GRID
App. Resistivity, Chargeability & Error Pseudosections
Resistivity & Chargeability Models

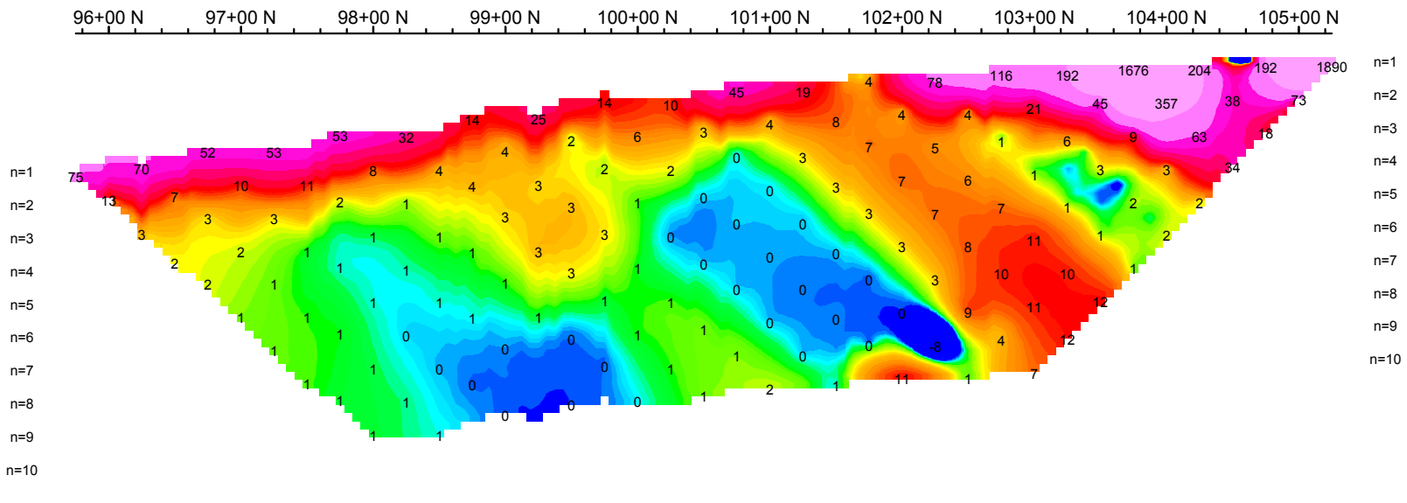
LOC: YUKON
DATUM: NAD83 Zone 8
DATE: June 15, 2010

GRID: NTS 106D/07
PROJECTION: LOCAL
JOB: ATC-10523-YT

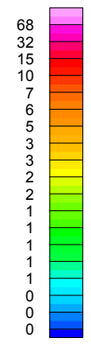
AURORA GEOSCIENCES LTD.

COMPOSITE SECTION PLOTS
L101+00 E

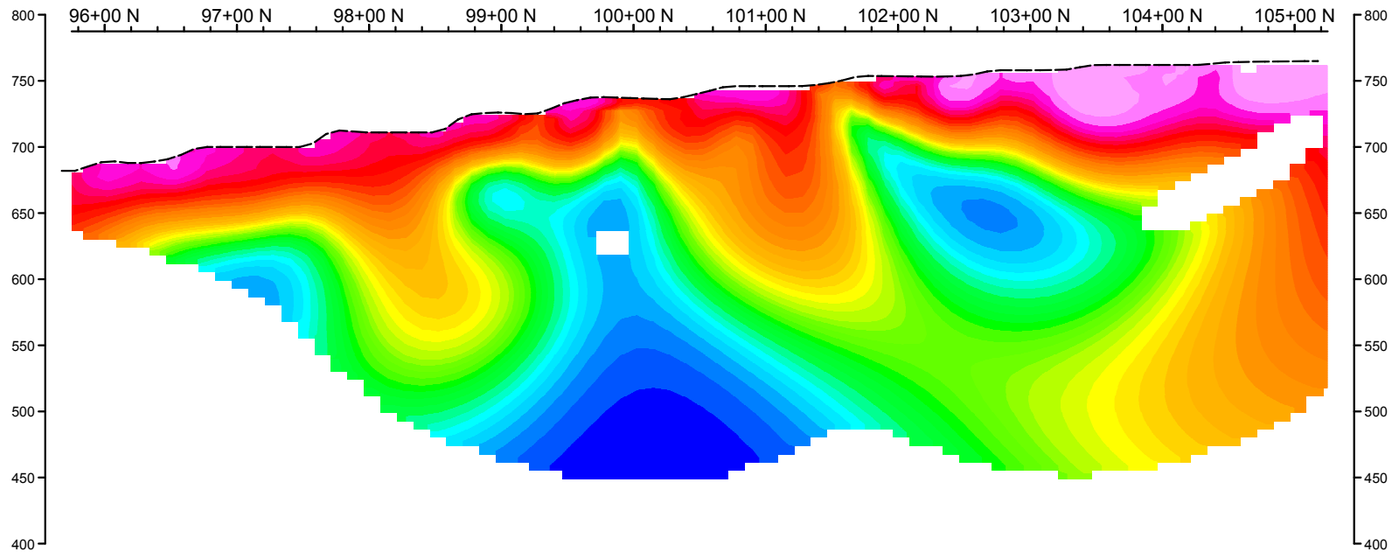
Apparent Resistivity
Ohm-m



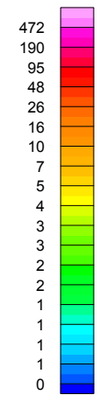
Apparent Resistivity
Ohm-m



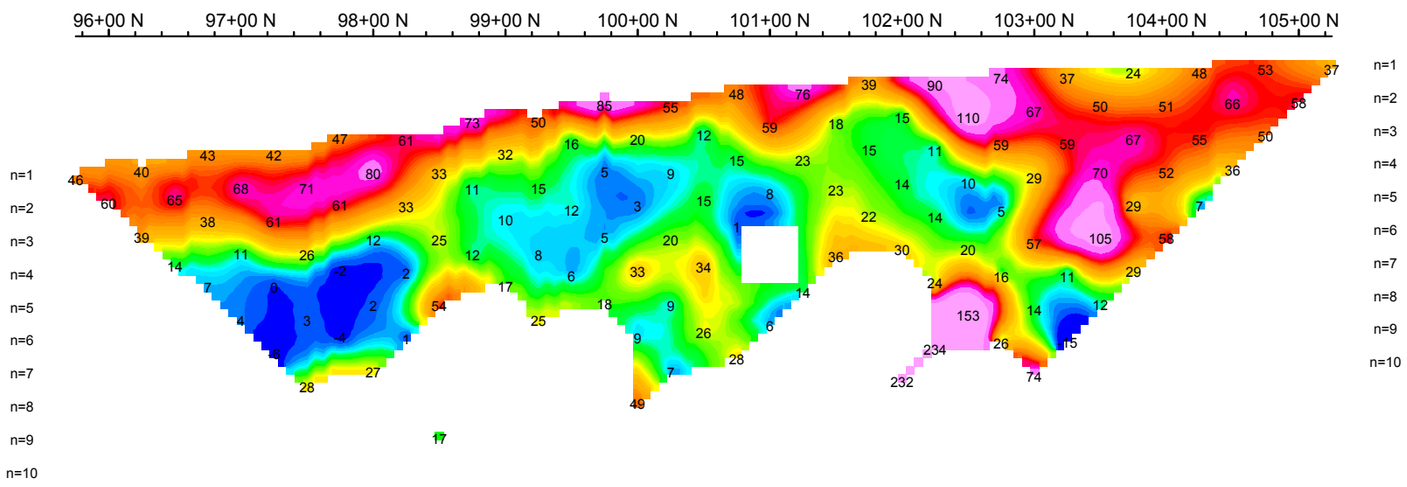
Resistivity Model
Ohm-m



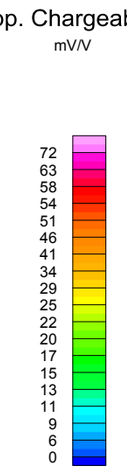
Resistivity Model
Ohm-m



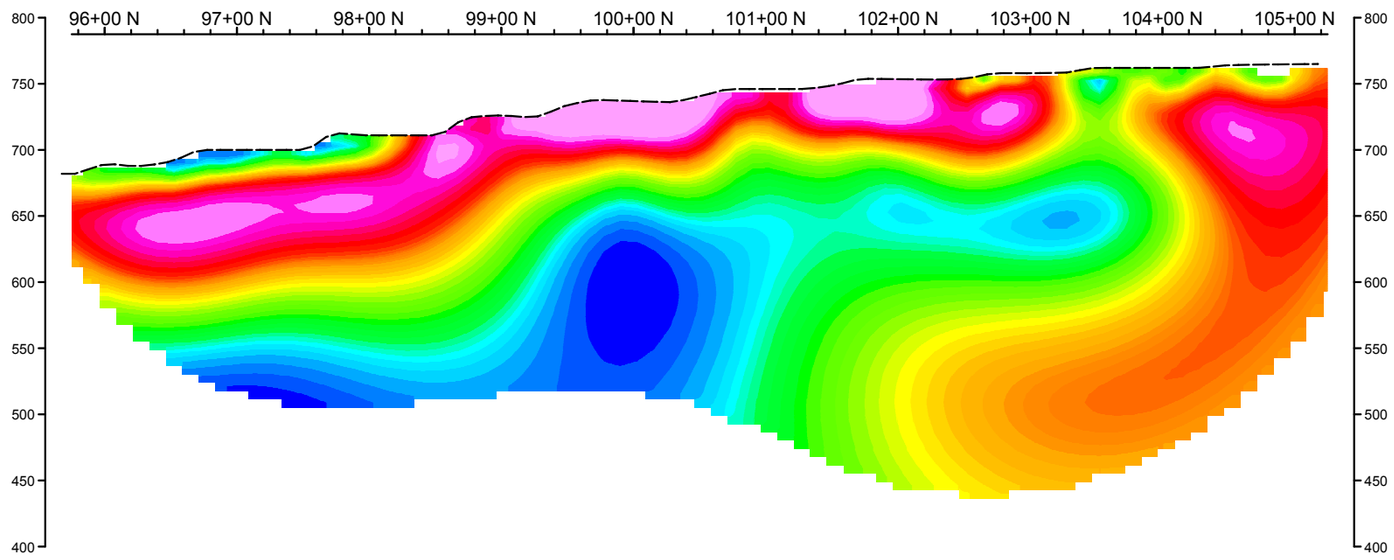
App. Chargeability
mV/V



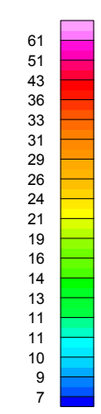
App. Chargeability
mV/V



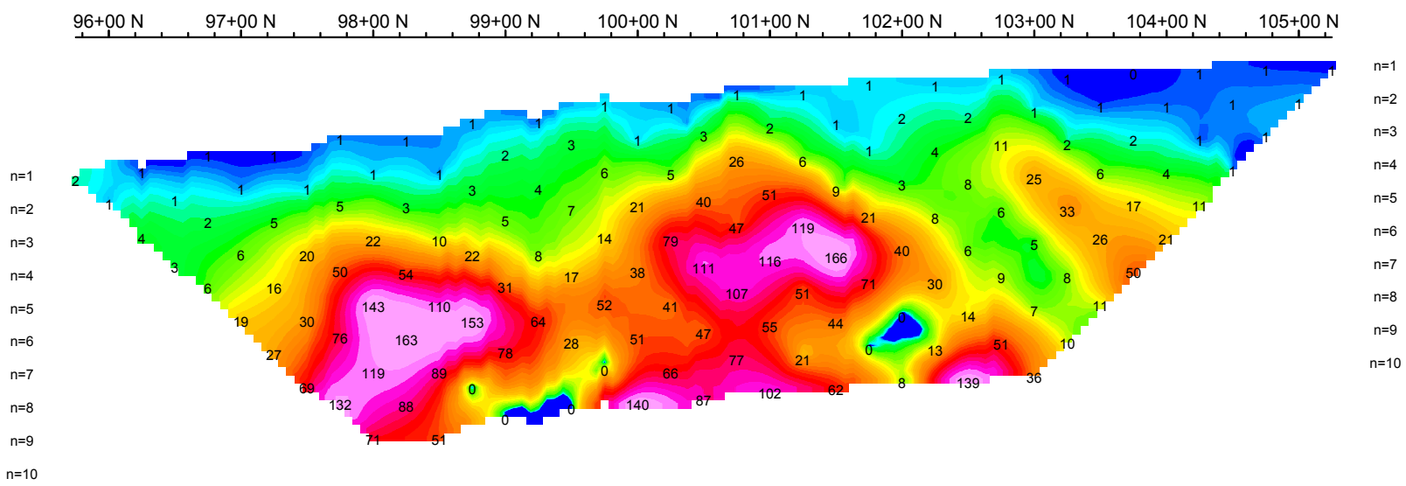
Chargeability Model
mV/V



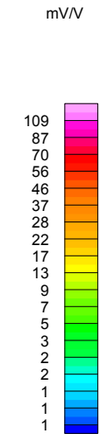
Chargeability Model
mV/V

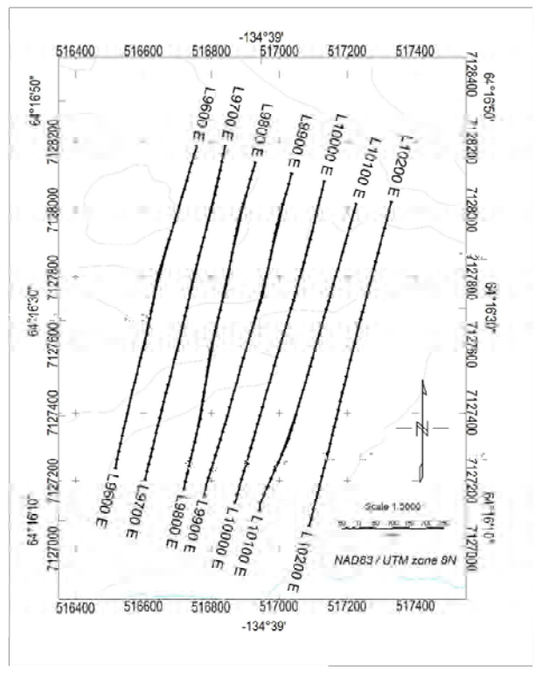


App. Charge. Error
mV/V

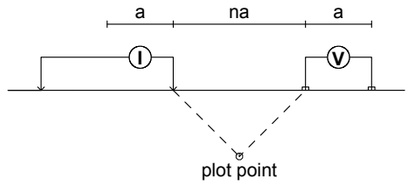


App. Charge. Error
mV/V





Modified Pole-Dipole Array



a = 50m

Survey moved grid south.

Stationary electrode at 11405N.

Scale 1:5000

50 0 50 100 150 200 250 300

(meters)

ATAC Resources Ltd.

INDUCED POLARIZATION SURVEY
EL GRID
App. Resistivity, Chargeability & Error Pseudosections
Resistivity & Chargeability Models

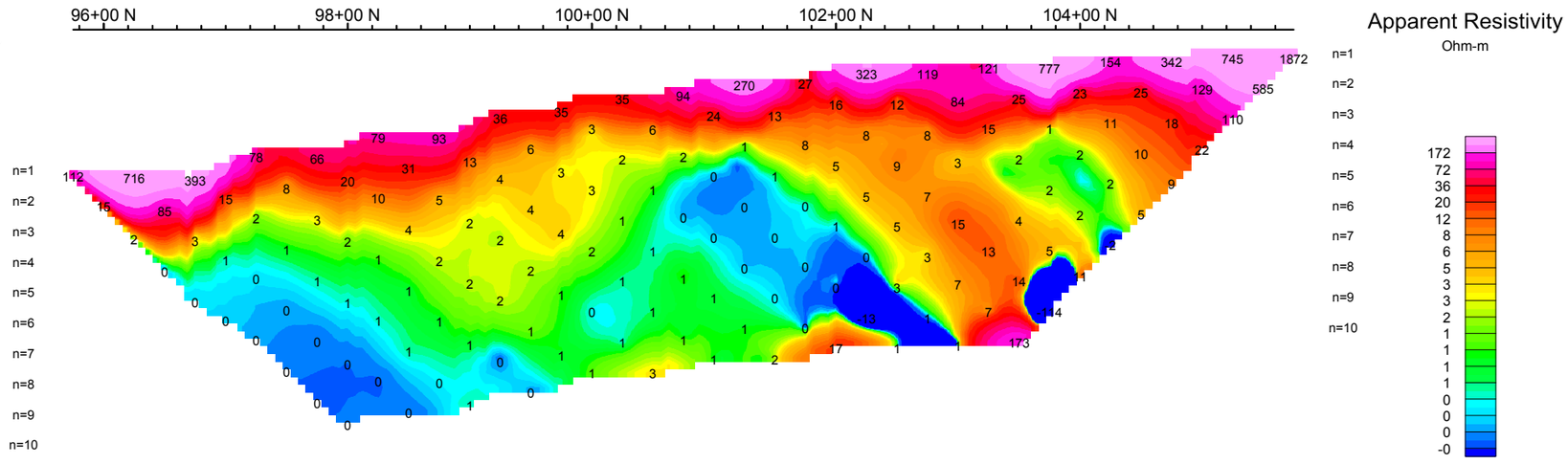
LOC: YUKON
DATUM: NAD83 Zone 8
DATE: June 15, 2010

GRID: NTS 106D/07
PROJECTION: LOCAL
JOB: ATC-10523-YT

AURORA GEOSCIENCES LTD.

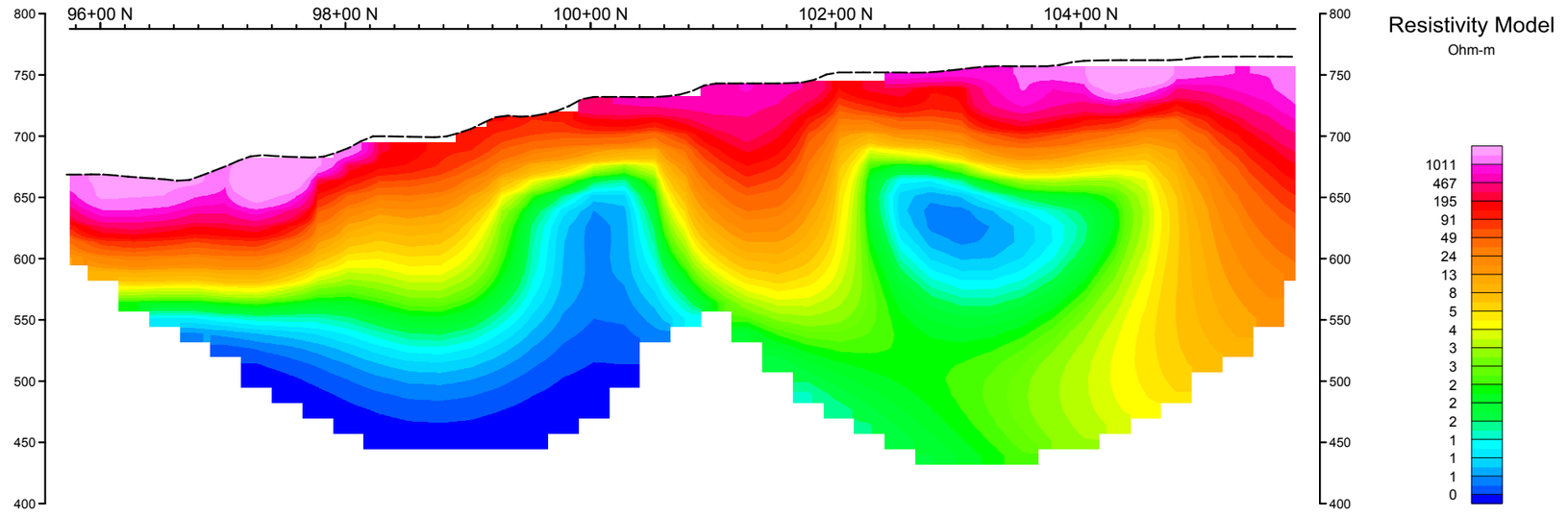
COMPOSITE SECTION PLOTS
L102+00 E

Apparent Resistivity
Ohm-m

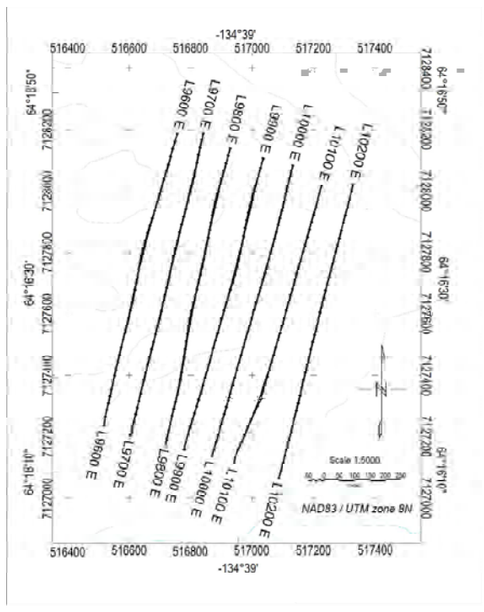


Apparent Resistivity
Ohm-m

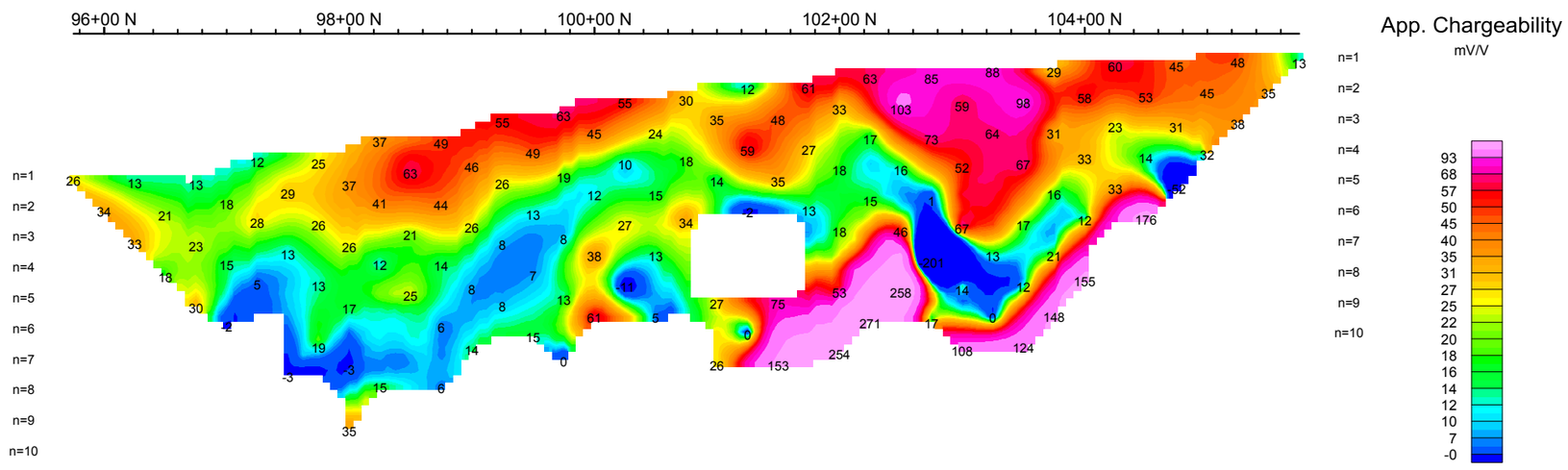
Resistivity Model
Ohm-m



Resistivity Model
Ohm-m

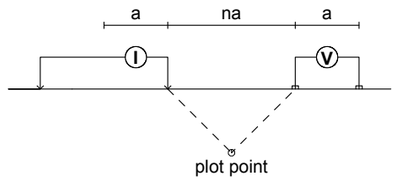


App. Chargeability
mV/V



App. Chargeability
mV/V

Modified Pole-Dipole Array



a = 50m

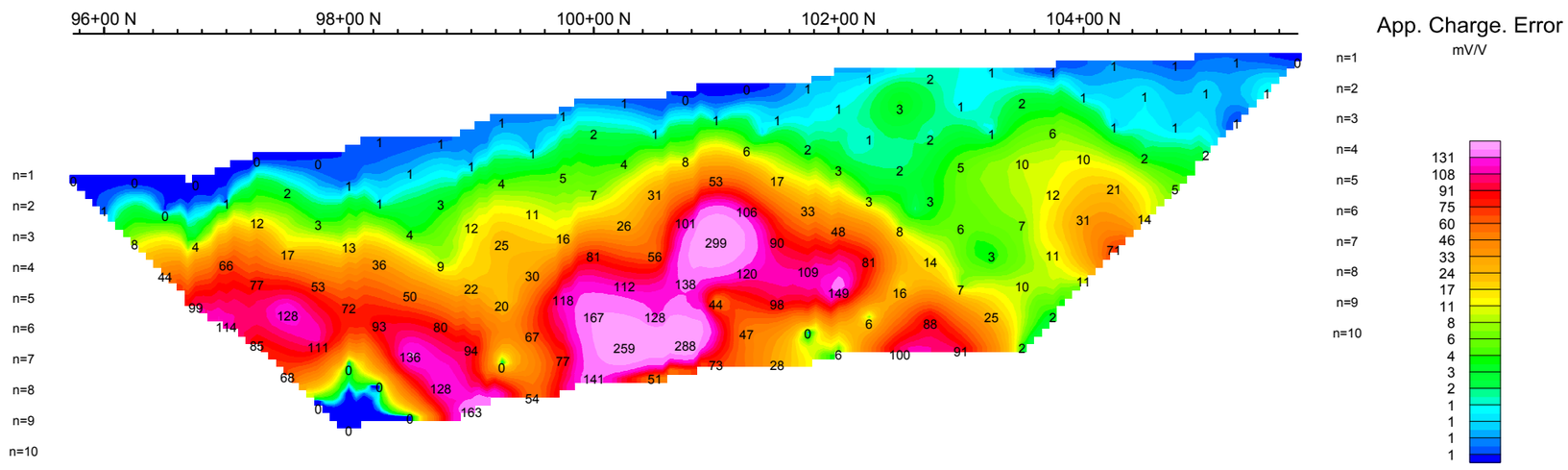
Survey moved grid south.

Stationary electrode at 11430.

Chargeability Model
mV/V

Chargeability Model
mV/V

App. Charge. Error
mV/V



App. Charge. Error
mV/V

Scale 1:5000

50 0 50 100 150 200 250 300

(meters)

ATAC Resources Ltd.

INDUCED POLARIZATION SURVEY
EL GRID
App. Resistivity, Chargeability & Error Pseudosections
Resistivity & Chargeability Models

LOC: YUKON
DATUM: NAD83 Zone 8
DATE: June 15, 2010

GRID: NTS 106D/07
PROJECTION: LOCAL
JOB: ATC-10523-YT

AURORA GEOSCIENCES LTD.

APPENDIX VII

GEOPHYSICAL DATA FROM MWH GEO-SURVEYS, INC.

MWH Geo-Surveys, Inc.

Gravity Survey; Yukon

for Archer Cathro

Boug density #1:	2.30	unique stati	638
Boug density #2:	2.50	repeats:	28
Boug density #3:	2.67	stdev of rep	0.026

Line	Grid	Date	UTC	Meter	Dial	TC-Reading	H.I.	Tide	StatG	G Observed	TC@2.0 gm/cc Zone B	TC@2.0 gm/cc 17-500m	TC@2.0 gm/cc 0.5-10km	total TC
1	El Gossan	2010-06-10	16:39:55	562.00	5435.00	40.87	0.62	0.04	5658.71	982289.31	0.00	0.040	0.769	0.809
1	El Gossan	2010-06-10	16:47:50	562.00	5435.00	39.47	0.62	0.02	5657.32	982287.92	0.02	0.034	0.739	0.789
1	El Gossan	2010-06-10	16:56:04	562.00	5435.00	38.62	0.72	0.02	5656.50	982287.10	0.00	0.036	0.722	0.758
1	El Gossan	2010-06-10	17:03:32	562.00	5435.00	38.54	0.60	0.03	5656.38	982286.98	0.00	0.040	0.720	0.760
1	El Gossan	2010-06-10	17:12:38	562.00	5435.00	38.52	0.57	0.03	5656.35	982286.95	0.00	0.046	0.719	0.765
1	El Gossan	2010-06-10	17:34:17	562.00	5435.00	38.29	0.66	0.04	5656.15	982286.75	0.00	0.054	0.718	0.772
1	El Gossan	2010-06-10	17:40:31	562.00	5435.00	38.59	0.55	0.04	5656.42	982287.02	0.00	0.064	0.719	0.783
1	El Gossan	2010-06-10	17:49:50	562.00	5435.00	37.96	0.58	0.04	5655.80	982286.40	0.00	0.068	0.706	0.774
1	El Gossan	2010-06-10	18:03:13	562.00	5435.00	37.54	0.61	0.05	5655.38	982285.99	0.00	0.074	0.697	0.771
1	El Gossan	2010-06-10	18:07:12	562.00	5435.00	36.94	0.72	0.05	5654.82	982285.43	0.00	0.082	0.688	0.770
1	El Gossan	2010-06-10	18:12:08	562.00	5435.00	36.57	0.73	0.05	5654.45	982285.06	0.00	0.096	0.680	0.776
1	El Gossan	2010-06-10	18:16:10	562.00	5435.00	36.27	0.70	0.05	5654.14	982284.75	0.00	0.119	0.670	0.789
1	El Gossan	2010-06-10	18:23:10	562.00	5435.00	35.81	0.58	0.05	5653.65	982284.26	0.00	0.150	0.662	0.812
1	El Gossan	2010-06-10	18:28:17	562.00	5435.00	35.30	0.65	0.05	5653.16	982283.77	0.01	0.170	0.651	0.833
1	El Gossan	2010-06-10	18:33:25	562.00	5435.00	33.57	0.55	0.05	5651.40	982282.01	0.00	0.171	0.629	0.800
1	El Gossan	2010-06-10	18:38:08	562.00	5435.00	32.33	0.58	0.06	5650.16	982280.78	0.00	0.181	0.619	0.800
1	El Gossan	2010-06-10	18:42:56	562.00	5435.00	30.99	0.53	0.06	5648.81	982279.42	0.01	0.181	0.619	0.812
1	El Gossan	2010-06-10	18:47:55	562.00	5435.00	28.53	0.54	0.06	5646.35	982276.96	0.02	0.183	0.620	0.824
1	El Gossan	2010-06-10	18:52:30	562.00	5435.00	27.42	0.55	0.06	5645.25	982275.86	0.00	0.166	0.641	0.807
1	El Gossan	2010-06-10	18:59:58	562.00	5435.00	26.46	0.59	0.06	5644.30	982274.91	0.00	0.150	0.656	0.806
1	El Gossan	2010-06-10	19:04:44	562.00	5435.00	24.76	0.63	0.06	5642.61	982273.22	0.00	0.184	0.660	0.844
1	El Gossan	2010-06-10	19:08:47	562.00	5435.00	25.11	0.67	0.06	5642.97	982273.58	0.01	0.181	0.658	0.847
2	El Gossan	2010-06-10	20:59:11	562.00	5435.00	40.05	0.48	0.06	5657.86	982288.48	0.00	0.038	0.758	0.796
2	El Gossan	2010-06-10	20:53:15	562.00	5435.00	39.86	0.61	0.06	5657.70	982288.32	0.00	0.044	0.754	0.798
2	El Gossan	2010-06-10	20:48:14	562.00	5435.00	38.90	0.59	0.06	5656.73	982287.36	0.00	0.044	0.734	0.778
2	El Gossan	2010-06-10	20:43:09	562.00	5435.00	37.96	0.54	0.06	5655.78	982286.41	0.00	0.049	0.715	0.764
2	El Gossan	2010-06-10	20:38:10	562.00	5435.00	37.70	0.56	0.06	5655.52	982286.15	0.00	0.056	0.709	0.765
2	El Gossan	2010-06-10	20:32:58	562.00	5435.00	37.76	0.53	0.06	5655.58	982286.20	0.00	0.064	0.707	0.771
2	El Gossan	2010-06-10	20:28:15	562.00	5435.00	37.57	0.68	0.06	5655.43	982286.05	0.00	0.073	0.702	0.775
2	El Gossan	2010-06-10	20:23:21	562.00	5435.00	37.60	0.57	0.06	5655.43	982286.05	0.00	0.085	0.696	0.781
2	El Gossan	2010-06-10	00:26:54	562.00	5435.00	37.43	0.78	-0.04	5655.33	982285.97	0.00	0.097	0.692	0.789
2	El Gossan	2010-06-10	20:19:27	562.00	5435.00	37.49	0.68	0.06	5655.35	982285.97	0.00	0.097	0.692	0.789
2	El Gossan	2010-06-10	20:15:27	562.00	5435.00	36.80	0.64	0.06	5654.65	982285.27	0.00	0.105	0.681	0.786
2	El Gossan	2010-06-10	20:11:16	562.00	5435.00	36.30	0.62	0.06	5654.15	982284.77	0.00	0.115	0.672	0.787
2	El Gossan	2010-06-10	00:21:43	562.00	5435.00	35.23	0.75	-0.04	5653.12	982283.76	0.00	0.121	0.658	0.779
2	El Gossan	2010-06-10	20:07:09	562.00	5435.00	35.32	0.61	0.06	5653.16	982283.78	0.00	0.121	0.658	0.779
2	El Gossan	2010-06-10	20:03:02	562.00	5435.00	35.38	0.66	0.06	5653.24	982283.86	0.00	0.160	0.657	0.817
2	El Gossan	2010-06-10	19:55:38	562.00	5435.00	34.99	0.67	0.06	5652.85	982283.47	0.00	0.204	0.648	0.852
2	El Gossan	2010-06-10	19:50:55	562.00	5435.00	34.15	0.69	0.06	5652.02	982282.63	0.00	0.233	0.636	0.869
2	El Gossan	2010-06-10	19:45:44	562.00	5435.00	32.68	0.66	0.06	5650.54	982281.15	0.01	0.233	0.623	0.868
2	El Gossan	2010-06-10	19:40:52	562.00	5435.00	31.40	0.62	0.06	5649.25	982279.87	0.00	0.204	0.616	0.820
2	El Gossan	2010-06-10	19:36:28	562.00	5435.00	29.65	0.60	0.06	5647.49	982278.10	0.00	0.171	0.613	0.784
2	El Gossan	2010-06-10	19:32:29	562.00	5435.00	28.49	0.58	0.06	5646.32	982276.94	0.01	0.152	0.626	0.790
2	El Gossan	2010-06-10	19:28:25	562.00	5435.00	26.87	0.59	0.06	5644.70	982275.32	0.00	0.135	0.638	0.773
2	El Gossan	2010-06-10	19:23:48	562.00	5435.00	24.73	0.58	0.06	5642.57	982273.18	0.01	0.147	0.644	0.799

Line	Grid	Date	UTC	Meter	Dial	TC-Reading	H.I.	Tide	StatG	G Observed	TC@2.0 gm/cc Zone B	17-500m	0.5-10km	total TC
2	El Gossan	2010-06-10	19:19:34	562.00	5435.00	24.05	0.61	0.06	5641.89	982272.51	0.00	0.159	0.654	0.813
2	El Gossan	2010-06-10	19:15:10	562.00	5435.00	25.52	0.69	0.06	5643.39	982274.00	0.01	0.128	0.658	0.798
3	El Gossan	2010-06-10	21:10:56	562.00	5435.00	39.51	0.60	0.06	5657.35	982287.97	0.00	0.051	0.754	0.805
3	El Gossan	2010-06-10	21:18:12	562.00	5435.00	39.21	0.50	0.05	5657.02	982287.64	0.00	0.059	0.746	0.805
3	El Gossan	2010-06-10	21:26:29	562.00	5435.00	38.50	0.59	0.05	5656.34	982286.96	0.01	0.062	0.731	0.805
3	El Gossan	2010-06-11	23:46:04	562.00	5435.00	38.51	0.57	0.02	5656.34	982287.03	0.01	0.062	0.731	0.803
3	El Gossan	2010-06-10	21:32:00	562.00	5435.00	37.42	0.68	0.05	5655.28	982285.91	0.00	0.064	0.712	0.776
3	El Gossan	2010-06-10	21:38:39	562.00	5435.00	37.33	0.57	0.05	5655.16	982285.79	0.00	0.074	0.706	0.780
3	El Gossan	2010-06-10	21:44:56	562.00	5435.00	37.02	0.54	0.05	5654.84	982285.47	0.00	0.087	0.699	0.786
3	El Gossan	2010-06-10	21:48:44	562.00	5435.00	37.19	0.60	0.05	5655.03	982285.66	0.00	0.104	0.699	0.803
3	El Gossan	2010-06-10	22:16:05	562.00	5435.00	36.92	0.51	0.04	5654.73	982285.36	0.01	0.120	0.689	0.817
3	El Gossan	2010-06-10	22:21:42	562.00	5435.00	35.62	0.68	0.03	5653.48	982284.11	0.00	0.123	0.667	0.790
3	El Gossan	2010-06-10	22:25:25	562.00	5435.00	34.13	0.60	0.03	5651.97	982282.60	0.00	0.129	0.647	0.776
3	El Gossan	2010-06-10	22:29:42	562.00	5435.00	34.14	0.51	0.03	5651.96	982282.59	0.00	0.144	0.643	0.787
3	El Gossan	2010-06-10	22:33:09	562.00	5435.00	33.76	0.68	0.03	5651.62	982282.26	0.00	0.164	0.636	0.804
3	El Gossan	2010-06-10	22:39:33	562.00	5435.00	33.67	0.66	0.03	5651.53	982282.16	0.00	0.228	0.636	0.864
3	El Gossan	2010-06-10	22:43:37	562.00	5435.00	32.95	0.55	0.03	5650.77	982281.41	0.00	0.339	0.624	0.967
3	El Gossan	2010-06-10	22:47:27	562.00	5435.00	31.24	0.58	0.02	5649.08	982279.71	0.01	0.400	0.609	1.021
3	El Gossan	2010-06-10	22:53:35	562.00	5435.00	29.73	0.52	0.02	5647.54	982278.18	0.00	0.357	0.622	0.979
3	El Gossan	2010-06-10	00:15:10	562.00	5435.00	29.66	0.75	-0.04	5647.55	982278.19	0.00	0.357	0.622	0.979
3	El Gossan	2010-06-10	22:58:13	562.00	5435.00	26.81	0.73	0.02	5644.69	982275.33	0.03	0.280	0.627	0.934
3	El Gossan	2010-06-10	23:03:57	562.00	5435.00	26.22	0.49	0.02	5644.02	982274.66	0.01	0.208	0.620	0.836
3	El Gossan	2010-06-10	23:07:42	562.00	5435.00	26.82	0.54	0.02	5644.64	982275.28	0.01	0.163	0.614	0.789
3	El Gossan	2010-06-10	23:13:39	562.00	5435.00	27.57	0.51	0.01	5645.38	982276.02	0.00	0.139	0.617	0.756
3	El Gossan	2010-06-10	23:19:04	562.00	5435.00	26.88	0.50	0.01	5644.69	982275.33	0.00	0.122	0.627	0.749
3	El Gossan	2010-06-10	23:25:01	562.00	5435.00	26.43	0.66	0.01	5644.28	982274.92	0.00	0.101	0.649	0.750
3	El Gossan	2010-06-10	23:29:31	562.00	5435.00	25.79	0.60	0.01	5643.63	982274.27	0.00	0.099	0.662	0.761
4	El Gossan	2010-06-11	14:54:22	562.00	5435.00	38.44	0.67	-0.05	5656.31	982287.01	0.00	0.066	0.735	0.801
4	El Gossan	2010-06-11	14:58:42	562.00	5435.00	37.54	0.66	-0.04	5655.40	982286.11	0.00	0.070	0.719	0.789
4	El Gossan	2010-06-11	15:02:49	562.00	5435.00	37.12	0.52	-0.04	5654.93	982285.63	0.00	0.078	0.712	0.790
4	El Gossan	2010-06-11	15:06:32	562.00	5435.00	36.99	0.64	-0.04	5654.84	982285.55	0.00	0.092	0.710	0.802
4	El Gossan	2010-06-11	15:09:57	562.00	5435.00	36.79	0.61	-0.04	5654.64	982285.34	0.00	0.108	0.704	0.812
4	El Gossan	2010-06-11	15:13:23	562.00	5435.00	36.52	0.60	-0.04	5654.36	982285.06	0.00	0.129	0.696	0.825
4	El Gossan	2010-06-11	15:17:11	562.00	5435.00	36.47	0.53	-0.04	5654.29	982284.99	0.00	0.159	0.692	0.851
4	El Gossan	2010-06-11	15:20:48	562.00	5435.00	35.23	0.47	-0.03	5653.03	982283.73	0.00	0.169	0.668	0.841
4	El Gossan	2010-06-11	15:25:05	562.00	5435.00	33.94	0.63	-0.03	5651.79	982282.49	0.00	0.202	0.646	0.852
4	El Gossan	2010-06-11	15:29:48	562.00	5435.00	33.16	0.66	-0.03	5651.02	982281.72	0.01	0.222	0.634	0.868
4	El Gossan	2010-06-11	15:39:22	562.00	5435.00	32.19	0.52	-0.03	5650.00	982280.71	0.00	0.294	0.617	0.911
4	El Gossan	2010-06-11	15:44:38	562.00	5435.00	31.31	0.57	-0.02	5649.14	982279.84	0.02	0.448	0.606	1.070
4	El Gossan	2010-06-11	15:49:52	562.00	5435.00	27.38	0.58	-0.02	5645.21	982275.91	0.01	0.550	0.597	1.155
4	El Gossan	2010-06-11	15:55:02	562.00	5435.00	24.73	0.62	-0.02	5642.58	982273.28	0.01	0.457	0.650	1.115
4	El Gossan	2010-06-11	15:59:38	562.00	5435.00	23.32	0.71	-0.02	5641.20	982271.90	0.00	0.346	0.671	1.017
4	El Gossan	2010-06-11	16:04:32	562.00	5435.00	22.54	0.66	-0.01	5640.40	982271.10	0.00	0.286	0.672	0.958
4	El Gossan	2010-06-10	00:00:31	562.00	5435.00	23.12	0.62	-0.03	5640.96	982271.60	0.00	0.234	0.666	0.900
4	El Gossan	2010-06-10	23:55:44	562.00	5435.00	24.62	0.62	-0.01	5642.47	982273.11	0.01	0.191	0.655	0.854
4	El Gossan	2010-06-10	23:51:08	562.00	5435.00	25.09	0.64	0.00	5642.94	982273.58	0.00	0.165	0.659	0.824
4	El Gossan	2010-06-10	23:47:22	562.00	5435.00	24.47	0.61	0.00	5642.31	982272.95	0.02	0.141	0.672	0.834
4	El Gossan	2010-06-10	23:40:58	562.00	5435.00	26.12	0.62	0.00	5643.97	982274.61	0.02	0.124	0.674	0.819
4	El Gossan	2010-06-10	23:36:26	562.00	5435.00	25.76	0.67	0.00	5643.62	982274.26	0.00	0.130	0.654	0.784
5	El Gossan	2010-06-11	18:18:08	562.00	5435.00	36.99	0.65	0.05	5654.85	982285.55	0.00	0.075	0.710	0.785
5	El Gossan	2010-06-11	23:25:30	562.00	5435.00	37.09	0.47	0.03	5654.90	982285.58	0.00	0.075	0.710	0.785
5	El Gossan	2010-06-11	18:14:09	562.00	5435.00	36.80	0.68	0.05	5654.67	982285.36	0.00	0.085	0.708	0.793
5	El Gossan	2010-06-11	18:07:05	562.00	5435.00	36.44	0.63	0.04	5654.29	982284.98	0.00	0.095	0.703	0.798

Line	Grid	Date	UTC	Meter	Dial	TC-Reading	H.I.	Tide	StatG	G Observed	TC@2.0 gm/cc Zone B	17-500m	0.5-10km	total TC
5	El Gossan	2010-06-11	18:02:58	562.00	5435.00	36.26	0.71	0.04	5654.14	982284.83	0.00	0.117	0.702	0.819
5	El Gossan	2010-06-11	17:56:37	562.00	5435.00	36.31	0.65	0.04	5654.17	982284.86	0.00	0.155	0.700	0.855
5	El Gossan	2010-06-11	17:50:44	562.00	5435.00	36.10	0.62	0.04	5653.95	982284.65	0.00	0.191	0.695	0.886
5	El Gossan	2010-06-11	17:46:01	562.00	5435.00	35.02	0.61	0.03	5652.87	982283.57	0.00	0.215	0.675	0.890
5	El Gossan	2010-06-11	17:39:20	562.00	5435.00	33.59	0.59	0.03	5651.42	982282.12	0.00	0.259	0.650	0.909
5	El Gossan	2010-06-11	17:35:33	562.00	5435.00	32.20	0.62	0.03	5650.04	982280.74	0.00	0.315	0.633	0.948
5	El Gossan	2010-06-11	17:29:34	562.00	5435.00	29.74	0.53	0.03	5647.56	982278.26	0.01	0.329	0.629	0.970
5	El Gossan	2010-06-11	17:24:21	562.00	5435.00	28.28	0.61	0.02	5646.12	982276.82	0.02	0.279	0.620	0.916
5	El Gossan	2010-06-11	17:18:18	562.00	5435.00	30.23	0.62	0.02	5648.07	982278.77	0.00	0.287	0.609	0.896
5	El Gossan	2010-06-11	17:13:06	562.00	5435.00	29.58	0.68	0.02	5647.44	982278.14	0.00	0.392	0.596	0.988
5	El Gossan	2010-06-11	17:08:13	562.00	5435.00	26.21	0.59	0.02	5644.05	982274.75	0.03	0.497	0.607	1.136
5	El Gossan	2010-06-11	17:02:44	562.00	5435.00	23.68	0.65	0.01	5641.54	982272.24	0.02	0.512	0.687	1.215
5	El Gossan	2010-06-11	16:58:47	562.00	5435.00	21.82	0.43	0.01	5639.60	982270.30	0.00	0.362	0.728	1.090
5	El Gossan	2010-06-11	16:54:53	562.00	5435.00	21.34	0.56	0.01	5639.17	982269.87	0.00	0.274	0.718	0.992
5	El Gossan	2010-06-11	16:45:15	562.00	5435.00	20.79	0.51	0.01	5638.60	982269.30	0.00	0.244	0.737	0.981
5	El Gossan	2010-06-11	16:40:11	562.00	5435.00	20.13	0.67	0.00	5637.99	982268.69	0.00	0.222	0.739	0.965
5	El Gossan	2010-06-11	16:35:32	562.00	5435.00	20.93	0.68	0.00	5638.80	982269.50	0.00	0.184	0.719	0.903
5	El Gossan	2010-06-11	16:28:38	562.00	5435.00	19.35	0.53	0.00	5637.17	982267.87	0.02	0.200	0.737	0.958
5	El Gossan	2010-06-11	16:24:24	562.00	5435.00	19.14	0.60	-0.01	5636.98	982267.68	0.00	0.205	0.738	0.943
5	El Gossan	2010-06-11	16:18:10	562.00	5435.00	19.53	0.73	-0.01	5637.41	982268.11	0.02	0.209	0.714	0.946
6	El Gossan	2010-06-11	18:37:15	562.00	5435.00	36.18	0.53	0.05	5654.00	982284.70	0.00	0.104	0.692	0.796
6	El Gossan	2010-06-11	23:08:45	562.00	5435.00	36.28	0.52	0.04	5654.10	982284.79	0.00	0.104	0.692	0.796
6	El Gossan	2010-06-11	18:43:54	562.00	5435.00	36.27	0.63	0.06	5654.12	982284.82	0.00	0.117	0.694	0.811
6	El Gossan	2010-06-11	18:48:11	562.00	5435.00	35.60	0.61	0.06	5653.45	982284.14	0.00	0.128	0.688	0.816
6	El Gossan	2010-06-11	18:53:46	562.00	5435.00	35.06	0.65	0.06	5652.92	982283.62	0.00	0.151	0.683	0.834
6	El Gossan	2010-06-11	18:57:50	562.00	5435.00	34.54	0.68	0.06	5652.41	982283.11	0.00	0.200	0.679	0.879
6	El Gossan	2010-06-11	19:02:55	562.00	5435.00	33.63	0.65	0.06	5651.49	982282.18	0.00	0.260	0.665	0.925
6	El Gossan	2010-06-11	19:07:36	562.00	5435.00	32.23	0.60	0.06	5650.07	982280.77	0.00	0.298	0.642	0.940
6	El Gossan	2010-06-11	19:14:08	562.00	5435.00	30.95	0.50	0.06	5648.76	982279.46	0.02	0.304	0.628	0.949
6	El Gossan	2010-06-11	19:20:00	562.00	5435.00	28.98	0.59	0.07	5646.82	982277.52	0.02	0.280	0.618	0.919
6	El Gossan	2010-06-11	19:25:59	562.00	5435.00	27.89	0.69	0.07	5645.76	982276.45	0.01	0.242	0.621	0.875
6	El Gossan	2010-06-11	19:31:20	562.00	5435.00	26.75	0.52	0.07	5644.56	982275.26	0.00	0.215	0.615	0.830
6	El Gossan	2010-06-11	19:38:18	562.00	5435.00	28.44	0.60	0.07	5646.28	982276.97	0.02	0.253	0.604	0.874
6	El Gossan	2010-06-11	19:43:06	562.00	5435.00	27.92	0.48	0.07	5645.72	982276.42	0.02	0.354	0.598	0.973
6	El Gossan	2010-06-11	19:50:29	562.00	5435.00	23.46	0.82	0.07	5641.37	982272.07	0.06	0.415	0.637	1.107
6	El Gossan	2010-06-11	19:55:52	562.00	5435.00	21.08	0.63	0.07	5638.93	982269.63	0.03	0.391	0.716	1.136
6	El Gossan	2010-06-11	20:01:06	562.00	5435.00	19.19	0.55	0.07	5637.01	982267.71	0.02	0.352	0.776	1.148
6	El Gossan	2010-06-11	20:06:40	562.00	5435.00	17.50	0.52	0.07	5635.31	982266.01	0.00	0.339	0.824	1.163
6	El Gossan	2010-06-11	20:12:12	562.00	5435.00	17.16	0.59	0.07	5634.99	982265.69	0.00	0.289	0.841	1.130
6	El Gossan	2010-06-11	20:16:53	562.00	5435.00	17.76	0.56	0.07	5635.59	982266.28	0.00	0.223	0.814	1.037
6	El Gossan	2010-06-11	20:23:25	562.00	5435.00	19.13	0.58	0.07	5636.97	982267.66	0.00	0.177	0.787	0.964
6	El Gossan	2010-06-11	20:28:30	562.00	5435.00	18.06	0.60	0.07	5635.90	982266.60	0.00	0.201	0.774	0.975
6	El Gossan	2010-06-11	20:33:19	562.00	5435.00	17.26	0.69	0.07	5635.12	982265.82	0.00	0.234	0.756	0.990
6	El Gossan	2010-06-11	20:40:46	562.00	5435.00	18.87	0.63	0.07	5636.72	982267.42	0.02	0.207	0.721	0.948
7	El Gossan	2010-06-11	22:59:13	562.00	5435.00	33.39	0.69	0.04	5651.26	982281.95	0.00	0.119	0.653	0.776
7	El Gossan	2010-06-11	22:54:20	562.00	5435.00	33.48	0.66	0.04	5651.34	982282.03	0.01	0.124	0.653	0.789
7	El Gossan	2010-06-11	22:49:46	562.00	5435.00	32.97	0.66	0.05	5650.83	982281.52	0.00	0.152	0.654	0.806
7	El Gossan	2010-06-11	22:45:21	562.00	5435.00	32.55	0.65	0.05	5650.40	982281.09	0.00	0.225	0.653	0.878
7	El Gossan	2010-06-11	22:39:30	562.00	5435.00	31.79	0.67	0.05	5649.65	982280.34	0.00	0.310	0.642	0.952
7	El Gossan	2010-06-11	22:34:56	562.00	5435.00	30.69	0.51	0.05	5648.50	982279.19	0.01	0.344	0.633	0.989
7	El Gossan	2010-06-11	22:29:38	562.00	5435.00	29.13	0.52	0.05	5646.94	982277.64	0.00	0.322	0.629	0.951
7	El Gossan	2010-06-11	22:24:52	562.00	5435.00	26.84	0.64	0.06	5644.70	982275.39	0.01	0.307	0.628	0.947
7	El Gossan	2010-06-11	22:20:02	562.00	5435.00	25.13	0.63	0.06	5642.98	982273.68	0.00	0.308	0.636	0.944

Line	Grid	Date	UTC	Meter	Dial	TC-Reading	H.I.	Tide	StatG	G Observed	TC@2.0 gm/cc Zone B	17-500m	0.5-10km	total TC
7	El Gossan	2010-06-11	22:15:31	562.00	5435.00	25.67	0.49	0.06	5643.48	982274.17	0.03	0.280	0.651	0.963
7	El Gossan	2010-06-11	22:09:35	562.00	5435.00	23.42	0.63	0.06	5641.27	982271.96	0.02	0.276	0.655	0.948
7	El Gossan	2010-06-11	22:03:46	562.00	5435.00	25.61	0.69	0.06	5643.48	982274.17	0.03	0.234	0.629	0.892
7	El Gossan	2010-06-11	21:58:06	562.00	5435.00	26.25	0.56	0.06	5644.08	982274.77	0.00	0.268	0.611	0.879
7	El Gossan	2010-06-11	21:52:21	562.00	5435.00	24.13	0.71	0.06	5642.00	982272.69	0.00	0.294	0.634	0.928
7	El Gossan	2010-06-11	21:47:48	562.00	5435.00	21.27	0.61	0.07	5639.12	982269.81	0.03	0.311	0.685	1.023
7	El Gossan	2010-06-11	21:42:01	562.00	5435.00	17.78	0.62	0.07	5635.63	982266.32	0.02	0.335	0.783	1.139
7	El Gossan	2010-06-11	21:37:45	562.00	5435.00	16.38	0.61	0.07	5634.22	982264.91	0.00	0.307	0.870	1.177
7	El Gossan	2010-06-11	21:33:30	562.00	5435.00	16.19	0.68	0.07	5634.06	982264.75	0.00	0.233	0.910	1.143
7	El Gossan	2010-06-11	21:28:55	562.00	5435.00	15.72	0.67	0.07	5633.58	982264.27	0.00	0.207	0.898	1.105
7	El Gossan	2010-06-11	21:23:54	562.00	5435.00	16.44	0.62	0.07	5634.28	982264.98	0.00	0.182	0.873	1.059
7	El Gossan	2010-06-11	21:18:31	562.00	5435.00	18.64	0.63	0.07	5636.49	982267.18	0.00	0.142	0.827	0.969
1	Grid 2	2010-06-12	21:59:20	562.00	5300.00	39.70	0.66	0.07	5518.17	982149.13	0.13	1.231	4.629	5.985
1	Grid 2	2010-06-12	22:07:30	562.00	5300.00	39.51	0.09	0.07	5517.79	982148.75	0.13	1.366	4.626	6.125
1	Grid 2	2010-06-12	22:15:10	562.00	5300.00	39.53	0.09	0.07	5517.82	982148.78	0.11	1.533	4.537	6.182
1	Grid 2	2010-06-12	22:22:16	562.00	5300.00	38.89	0.09	0.07	5517.18	982148.14	0.12	1.574	4.530	6.224
1	Grid 2	2010-06-12	22:31:56	562.00	5300.00	38.33	0.45	0.07	5516.73	982147.69	0.12	1.452	4.504	6.078
1	Grid 2	2010-06-12	22:41:50	562.00	5300.00	38.81	0.09	0.06	5517.10	982148.06	0.10	1.340	4.343	5.786
1	Grid 2	2010-06-12	22:50:22	562.00	5300.00	38.06	0.09	0.06	5516.34	982147.30	0.14	1.396	4.248	5.784
1	Grid 2	2010-06-12	23:03:06	562.00	5300.00	37.71	0.09	0.06	5515.99	982146.95	0.12	1.427	4.209	5.756
1	Grid 2	2010-06-12	23:10:39	562.00	5300.00	37.32	0.09	0.05	5515.61	982146.57	0.12	1.438	4.182	5.740
1	Grid 2	2010-06-12	23:19:45	562.00	5300.00	33.12	0.09	0.05	5511.41	982142.37	0.15	1.368	4.350	5.864
1	Grid 2	2010-06-12	23:27:59	562.00	5300.00	29.21	0.09	0.05	5507.50	982138.46	0.11	1.386	4.497	5.991
1	Grid 2	2010-06-12	23:36:47	562.00	5300.00	25.96	0.09	0.05	5504.25	982135.21	0.13	1.406	4.642	6.182
1	Grid 2	2010-06-12	23:45:13	562.00	5300.00	22.14	0.09	0.04	5500.43	982131.39	0.14	1.302	4.847	6.289
1	Grid 2	2010-06-12	15:56:21	562.00	5300.00	20.88	0.09	-0.04	5499.16	982130.13	0.10	1.172	4.880	6.154
1	Grid 2	2010-06-12	16:17:51	562.00	5300.00	14.67	0.70	-0.03	5493.14	982124.11	0.10	1.217	5.170	6.489
1	Grid 2	2010-06-12	16:26:31	562.00	5300.00	9.05	0.59	-0.02	5487.49	982118.45	0.10	1.398	5.472	6.971
1	Grid 2	2010-06-12	16:38:04	562.00	5300.00	1.36	0.51	-0.02	5479.78	982110.74	0.10	1.691	5.900	7.692
1	Grid 2	2010-06-12	16:49:57	562.00	5300.00	-1.50	0.65	-0.01	5476.96	982107.92	0.10	1.883	6.083	8.067
1	Grid 2	2010-06-12	16:59:50	562.00	5300.00	-6.65	0.09	-0.01	5471.64	982102.60	0.06	2.151	6.464	8.672
1	Grid 2	2010-06-12	17:12:16	562.00	5300.00	-9.67	0.09	0.00	5468.62	982099.58	0.06	2.246	6.704	9.007
1	Grid 2	2010-06-12	17:25:54	562.00	5300.00	-13.12	0.09	0.01	5465.17	982096.14	0.10	2.420	7.060	9.582
2	Grid 2	2010-06-12	21:28:20	562.00	5300.00	52.24	0.62	0.08	5530.70	982161.66	0.16	1.221	3.728	5.113
2	Grid 2	2010-06-12	21:14:34	562.00	5300.00	52.53	0.09	0.08	5530.82	982161.78	0.15	1.458	3.678	5.289
2	Grid 2	2010-06-12	21:04:56	562.00	5300.00	51.23	0.56	0.08	5529.67	982160.63	0.15	1.689	3.691	5.526
2	Grid 2	2010-06-12	20:53:28	562.00	5300.00	51.15	0.09	0.08	5529.44	982160.40	0.08	1.903	3.664	5.643
2	Grid 2	2010-06-12	20:44:23	562.00	5300.00	51.59	0.09	0.07	5529.88	982160.84	0.06	2.058	3.622	5.743
2	Grid 2	2010-06-12	20:36:13	562.00	5300.00	53.10	0.61	0.07	5531.55	982162.51	0.07	2.277	3.560	5.902
2	Grid 2	2010-06-12	20:24:56	562.00	5300.00	52.50	0.09	0.07	5530.79	982161.75	0.10	2.323	3.617	6.042
2	Grid 2	2010-06-12	20:16:38	562.00	5300.00	52.11	0.77	0.07	5530.61	982161.57	0.10	2.437	3.604	6.143
2	Grid 2	2010-06-12	20:06:35	562.00	5300.00	48.00	0.09	0.07	5526.29	982157.25	0.13	2.191	3.693	6.009
2	Grid 2	2010-06-12	19:58:06	562.00	5300.00	43.03	0.70	0.07	5521.51	982152.47	0.13	1.867	3.859	5.851
2	Grid 2	2010-06-12	19:45:16	562.00	5300.00	39.50	0.69	0.06	5517.97	982148.94	0.10	1.705	4.007	5.814
2	Grid 2	2010-06-12	19:38:03	562.00	5300.00	37.09	0.65	0.06	5515.55	982146.51	0.15	1.770	4.078	6.001
2	Grid 2	2010-06-12	00:03:33	562.00	5300.00	33.76	0.09	0.01	5512.05	982143.01	0.00	1.804	4.164	5.968
2	Grid 2	2010-06-12	19:31:54	562.00	5300.00	33.72	0.49	0.06	5512.14	982143.10	0.00	1.804	4.164	5.968
2	Grid 2	2010-06-12	19:24:32	562.00	5300.00	29.04	0.09	0.06	5507.33	982138.29	0.10	1.611	4.336	6.048
2	Grid 2	2010-06-12	19:18:00	562.00	5300.00	23.94	0.09	0.06	5502.23	982133.19	0.10	1.457	4.541	6.100
2	Grid 2	2010-06-12	19:11:31	562.00	5300.00	18.24	0.09	0.05	5496.52	982127.49	0.10	1.384	4.788	6.273
2	Grid 2	2010-06-12	18:49:55	562.00	5300.00	12.93	0.09	0.04	5491.22	982122.18	0.10	1.455	5.035	6.591
2	Grid 2	2010-06-12	18:34:17	562.00	5300.00	5.39	0.09	0.04	5483.67	982114.63	0.10	1.716	5.431	7.250
2	Grid 2	2010-06-12	18:24:18	562.00	5300.00	4.11	0.09	0.03	5482.40	982113.36	0.10	2.027	5.426	7.556

Line	Grid	Date	UTC	Meter	Dial	TC-Reading	H.I.	Tide	StatG	G Observed	TC@2.0 gm/cc Zone B	17-500m	0.5-10km	total TC
2	Grid 2	2010-06-12	18:13:39	562.00	5300.00	2.29	0.55	0.03	5480.72	982111.68	0.10	2.344	5.502	7.949
2	Grid 2	2010-06-12	18:00:25	562.00	5300.00	-0.15	0.09	0.02	5478.14	982109.10	0.13	2.544	5.735	8.404
3	Grid 2	2010-06-13	18:04:47	562.00	5300.00	62.78	0.58	0.00	5541.22	982172.18	0.10	1.580	3.411	5.090
3	Grid 2	2010-06-13	18:12:15	562.00	5300.00	64.26	0.68	0.00	5542.73	982173.69	0.09	1.904	3.417	5.410
3	Grid 2	2010-06-13	18:19:57	562.00	5300.00	63.55	0.55	0.01	5541.98	982172.95	0.10	2.053	3.468	5.618
3	Grid 2	2010-06-13	18:30:56	562.00	5300.00	63.69	0.68	0.01	5542.16	982173.12	0.00	2.194	3.571	5.765
3	Grid 2	2010-06-14	19:28:54	562.00	5300.00	62.52	0.09	0.01	5540.80	982171.74	0.10	2.323	3.629	6.052
3	Grid 2	2010-06-14	19:21:58	562.00	5300.00	64.76	0.82	0.00	5543.28	982174.21	0.11	2.665	3.787	6.562
3	Grid 2	2010-06-14	18:54:50	562.00	5300.00	62.55	0.58	-0.01	5540.99	982171.92	0.12	2.761	3.814	6.695
3	Grid 2	2010-06-14	18:43:26	562.00	5300.00	59.64	0.60	-0.01	5538.08	982169.02	0.12	2.781	3.968	6.869
3	Grid 2	2010-06-14	18:37:53	562.00	5300.00	56.19	0.09	-0.02	5534.48	982165.41	0.12	2.624	4.060	6.804
3	Grid 2	2010-06-14	18:32:00	562.00	5300.00	52.20	0.69	-0.02	5530.68	982161.61	0.12	2.371	3.993	6.484
3	Grid 2	2010-06-14	18:25:53	562.00	5300.00	49.03	0.67	-0.02	5527.50	982158.43	0.13	2.222	3.954	6.306
3	Grid 2	2010-06-12	00:29:45	562.00	5300.00	49.03	0.61	0.00	5527.48	982158.44	0.13	2.222	3.954	6.309
3	Grid 2	2010-06-14	18:12:00	562.00	5300.00	45.99	0.66	-0.03	5524.45	982155.39	0.14	2.087	3.953	6.180
3	Grid 2	2010-06-12	00:16:22	562.00	5300.00	45.98	0.62	0.01	5524.43	982155.39	0.14	2.087	3.953	6.180
3	Grid 2	2010-06-14	18:06:32	562.00	5300.00	40.99	0.84	-0.03	5519.51	982150.45	0.13	1.901	4.045	6.076
3	Grid 2	2010-06-14	17:59:41	562.00	5300.00	35.17	0.83	-0.03	5513.69	982144.62	0.14	1.729	4.175	6.044
3	Grid 2	2010-06-14	17:52:46	562.00	5300.00	28.66	0.77	-0.04	5507.16	982138.10	0.14	1.533	4.355	6.028
3	Grid 2	2010-06-14	17:46:08	562.00	5300.00	22.55	0.74	-0.04	5501.04	982131.98	0.07	1.449	4.553	6.072
3	Grid 2	2010-06-14	17:41:34	562.00	5300.00	18.67	0.09	-0.04	5496.96	982127.90	0.12	1.503	4.655	6.278
3	Grid 2	2010-06-14	17:37:39	562.00	5300.00	17.85	0.68	-0.04	5496.32	982127.26	0.14	1.762	4.569	6.471
3	Grid 2	2010-06-14	17:29:28	562.00	5300.00	16.75	0.09	-0.05	5495.04	982125.98	0.18	2.304	4.466	6.950
3	Grid 2	2010-06-14	17:21:16	562.00	5300.00	11.04	0.61	-0.05	5489.49	982120.42	0.13	2.424	4.730	7.284
3	Grid 2	2010-06-14	17:21:50	562.00	5300.00	11.04	0.61	-0.05	5489.49	982120.43	0.13	2.424	4.730	7.284
3	Grid 2	2010-06-14	17:14:48	562.00	5300.00	3.78	0.68	-0.05	5482.25	982113.19	0.16	2.516	5.152	7.828
4	Grid 2	2010-06-13	17:06:42	562.00	5300.00	70.72	0.60	-0.03	5549.17	982180.14	0.05	1.640	3.545	5.233
4	Grid 2	2010-06-13	16:54:46	562.00	5300.00	71.56	0.69	-0.04	5550.04	982181.00	0.03	1.922	3.700	5.648
4	Grid 2	2010-06-13	16:46:01	562.00	5300.00	71.01	0.62	-0.04	5549.46	982180.43	0.09	2.079	3.829	6.001
4	Grid 2	2010-06-14	19:46:40	562.00	5300.00	71.08	0.61	0.01	5549.53	982180.46	0.09	2.079	3.829	6.001
4	Grid 2	2010-06-13	16:39:40	562.00	5300.00	70.26	0.70	-0.04	5548.74	982179.71	0.02	2.282	3.992	6.291
4	Grid 2	2010-06-13	16:30:32	562.00	5300.00	67.53	0.72	-0.05	5546.01	982176.98	0.12	2.245	4.122	6.486
4	Grid 2	2010-06-13	16:12:53	562.00	5300.00	61.91	0.58	-0.05	5540.35	982171.32	0.13	2.015	4.108	6.251
4	Grid 2	2010-06-13	15:57:32	562.00	5300.00	60.15	0.63	-0.06	5538.60	982169.57	0.10	1.982	4.148	6.231
4	Grid 2	2010-06-13	15:50:10	562.00	5300.00	58.88	0.61	-0.06	5537.33	982168.30	0.06	2.142	4.182	6.388
4	Grid 2	2010-06-13	15:37:03	562.00	5300.00	58.09	0.65	-0.07	5536.55	982167.52	0.10	2.343	4.063	6.501
4	Grid 2	2010-06-13	15:29:27	562.00	5300.00	57.71	0.09	-0.07	5536.00	982166.97	0.06	2.588	3.947	6.592
4	Grid 2	2010-06-14	15:26:54	562.00	5300.00	55.40	0.09	-0.08	5533.69	982164.63	0.10	2.510	3.912	6.524
4	Grid 2	2010-06-13	15:23:16	562.00	5300.00	55.39	0.09	-0.07	5533.68	982164.65	0.10	2.510	3.912	6.524
4	Grid 2	2010-06-14	15:41:21	562.00	5300.00	51.02	0.09	-0.08	5529.31	982160.25	0.11	2.297	3.893	6.300
4	Grid 2	2010-06-14	15:48:13	562.00	5300.00	46.54	0.09	-0.08	5524.83	982155.77	0.09	2.130	3.918	6.138
4	Grid 2	2010-06-14	15:58:19	562.00	5300.00	40.15	0.58	-0.08	5518.58	982149.53	0.13	1.926	3.996	6.052
4	Grid 2	2010-06-14	16:09:03	562.00	5300.00	33.65	0.59	-0.07	5512.10	982143.04	0.13	1.707	4.101	5.938
4	Grid 2	2010-06-14	16:19:26	562.00	5300.00	30.04	0.70	-0.07	5508.52	982139.46	0.14	1.650	4.180	5.970
4	Grid 2	2010-06-14	16:24:20	562.00	5300.00	30.55	0.09	-0.07	5508.84	982139.78	0.12	2.176	4.054	6.350
4	Grid 2	2010-06-14	16:34:27	562.00	5300.00	25.48	0.48	-0.07	5503.89	982134.83	0.14	2.463	4.158	6.761
4	Grid 2	2010-06-14	16:41:21	562.00	5300.00	18.92	0.09	-0.06	5497.21	982128.15	0.13	2.535	4.326	6.991
4	Grid 2	2010-06-14	16:50:45	562.00	5300.00	12.34	0.52	-0.06	5490.76	982121.70	0.14	2.499	4.571	7.210
4	Grid 2	2010-06-14	16:58:22	562.00	5300.00	4.40	0.63	-0.06	5482.85	982113.79	0.15	2.465	5.004	7.619
5	Grid 2	2010-06-14	19:56:24	562.00	5300.00	76.12	0.61	0.02	5554.56	982185.50	0.00	1.855	4.046	5.901
5	Grid 2	2010-06-14	20:12:11	562.00	5300.00	74.18	0.83	0.02	5552.69	982183.63	0.16	2.075	4.219	6.454
5	Grid 2	2010-06-14	20:20:31	562.00	5300.00	69.19	0.62	0.03	5547.64	982178.57	0.14	1.997	4.259	6.396
5	Grid 2	2010-06-14	20:30:44	562.00	5300.00	64.52	0.68	0.03	5542.99	982173.92	0.15	2.056	4.154	6.360

Line	Grid	Date	UTC	Meter	Dial	TC-Reading	H.I.	Tide	StatG	G Observed	TC@2.0 gm/cc Zone B	17-500m	0.5-10km	total TC
5	Grid 2	2010-06-14	20:57:48	562.00	5300.00	60.77	0.64	0.04	5539.23	982170.16	0.14	2.113	3.990	6.243
5	Grid 2	2010-06-14	21:07:07	562.00	5300.00	56.00	0.62	0.04	5534.45	982165.39	0.14	1.981	3.896	6.017
5	Grid 2	2010-06-14	21:19:56	562.00	5300.00	51.82	0.60	0.04	5530.26	982161.20	0.14	1.806	3.925	5.871
5	Grid 2	2010-06-14	21:28:08	562.00	5300.00	49.63	0.69	0.05	5528.10	982159.03	0.10	1.695	3.998	5.793
5	Grid 2	2010-06-14	21:37:02	562.00	5300.00	49.33	0.56	0.05	5527.76	982158.69	0.10	1.726	4.035	5.861
5	Grid 2	2010-06-14	21:43:46	562.00	5300.00	51.08	0.70	0.05	5529.55	982160.49	0.10	1.895	4.016	6.011
5	Grid 2	2010-06-14	21:49:30	562.00	5300.00	51.22	0.66	0.05	5529.68	982160.61	0.03	2.194	3.996	6.220
5	Grid 2	2010-06-14	21:55:43	562.00	5300.00	49.68	0.62	0.05	5528.13	982159.06	0.04	2.269	3.976	6.285
5	Grid 2	2010-06-15	14:57:18	562.00	5300.00	48.51	0.09	-0.09	5526.80	982157.63	0.10	2.471	3.939	6.510
5	Grid 2	2010-06-15	15:01:40	562.00	5300.00	45.83	0.09	-0.09	5524.12	982154.95	0.14	2.623	3.912	6.675
5	Grid 2	2010-06-15	15:06:51	562.00	5300.00	41.80	0.09	-0.09	5520.08	982150.92	0.10	2.712	3.909	6.721
5	Grid 2	2010-06-15	15:14:24	562.00	5300.00	36.64	0.63	-0.09	5515.09	982145.93	0.15	2.608	3.958	6.716
5	Grid 2	2010-06-15	15:21:31	562.00	5300.00	31.36	0.78	-0.09	5509.86	982140.70	0.18	2.831	4.031	7.042
5	Grid 2	2010-06-15	15:33:14	562.00	5300.00	26.33	0.75	-0.09	5504.82	982135.66	0.14	3.136	4.072	7.348
5	Grid 2	2010-06-15	15:42:11	562.00	5300.00	20.51	0.73	-0.09	5499.00	982129.84	0.14	3.083	4.165	7.388
5	Grid 2	2010-06-15	15:49:19	562.00	5300.00	13.72	0.70	-0.09	5492.20	982123.04	0.18	2.958	4.415	7.553
5	Grid 2	2010-06-15	16:05:36	562.00	5300.00	5.92	0.66	-0.08	5484.38	982115.23	0.19	2.685	4.881	7.756
6	Grid 2	2010-06-14	00:08:55	562.00	5300.00	73.74	0.64	0.04	5552.20	982183.13	0.10	1.786	4.244	6.130
6	Grid 2	2010-06-14	23:59:35	562.00	5300.00	69.23	0.79	0.04	5547.73	982178.66	0.14	1.950	4.201	6.291
6	Grid 2	2010-06-14	23:40:59	562.00	5300.00	63.75	0.68	0.05	5542.22	982173.15	0.15	2.134	4.048	6.332
6	Grid 2	2010-06-14	23:30:33	562.00	5300.00	58.67	0.71	0.05	5537.15	982168.08	0.17	2.209	3.954	6.333
6	Grid 2	2010-06-14	22:59:05	562.00	5300.00	52.40	0.50	0.05	5530.81	982161.75	0.14	2.336	3.898	6.374
6	Grid 2	2010-06-14	22:51:30	562.00	5300.00	47.88	0.58	0.05	5526.32	982157.25	0.16	2.331	3.887	6.378
6	Grid 2	2010-06-14	22:43:29	562.00	5300.00	44.03	0.54	0.05	5522.46	982153.39	0.14	2.349	3.936	6.425
6	Grid 2	2010-06-14	22:37:22	562.00	5300.00	39.51	0.63	0.05	5517.96	982148.90	0.14	2.321	4.014	6.475
6	Grid 2	2010-06-14	22:31:38	562.00	5300.00	39.34	0.62	0.05	5517.79	982148.72	0.12	2.095	4.007	6.222
6	Grid 2	2010-06-14	22:26:24	562.00	5300.00	42.21	0.65	0.05	5520.68	982151.61	0.11	1.991	3.936	6.037
6	Grid 2	2010-06-14	22:20:16	562.00	5300.00	44.60	0.09	0.05	5522.88	982153.82	0.09	2.177	3.854	6.121
6	Grid 2	2010-06-14	22:15:27	562.00	5300.00	42.20	0.09	0.05	5520.48	982151.42	0.09	2.213	3.921	6.224
6	Grid 2	2010-06-14	22:11:26	562.00	5300.00	38.68	0.09	0.05	5516.97	982147.90	0.13	2.257	4.023	6.410
6	Grid 2	2010-06-15	17:05:57	562.00	5300.00	35.38	0.09	-0.07	5513.67	982144.54	0.14	2.406	4.088	6.634
6	Grid 2	2010-06-15	17:01:00	562.00	5300.00	34.73	0.09	-0.07	5513.01	982143.88	0.19	2.780	4.016	6.986
6	Grid 2	2010-06-15	16:54:30	562.00	5300.00	32.61	0.09	-0.07	5510.90	982141.76	0.17	3.013	3.984	7.167
6	Grid 2	2010-06-15	16:47:42	562.00	5300.00	26.05	0.70	-0.08	5504.53	982135.39	0.14	3.047	4.058	7.245
6	Grid 2	2010-06-15	16:41:16	562.00	5300.00	20.07	0.69	-0.08	5498.54	982129.40	0.13	3.012	4.226	7.368
6	Grid 2	2010-06-15	16:35:02	562.00	5300.00	15.86	0.68	-0.08	5494.33	982125.19	0.14	3.031	4.375	7.546
6	Grid 2	2010-06-15	16:25:54	562.00	5300.00	10.58	0.09	-0.08	5488.87	982119.73	0.16	3.048	4.624	7.832
6	Grid 2	2010-06-15	16:13:11	562.00	5300.00	3.81	0.67	-0.08	5482.28	982113.13	0.17	2.763	5.122	8.055
7	Grid 2	2010-06-15	21:10:12	562.00	5300.00	68.97	0.77	0.01	5547.47	982178.41	0.12	2.039	4.042	6.201
7	Grid 2	2010-06-15	21:00:41	562.00	5300.00	64.89	0.66	0.01	5543.35	982174.29	0.13	2.283	3.850	6.263
7	Grid 2	2010-06-15	20:53:31	562.00	5300.00	61.52	0.66	0.00	5539.98	982170.92	0.14	2.379	3.799	6.318
7	Grid 2	2010-06-15	20:45:34	562.00	5300.00	55.42	0.73	0.00	5533.91	982164.84	0.18	2.595	3.774	6.549
7	Grid 2	2010-06-15	20:39:00	562.00	5300.00	48.18	0.52	0.00	5526.60	982157.54	0.17	2.623	3.798	6.591
7	Grid 2	2010-06-15	20:31:40	562.00	5300.00	40.98	0.79	0.00	5519.48	982150.41	0.17	2.615	3.959	6.744
7	Grid 2	2010-06-15	20:23:03	562.00	5300.00	34.61	0.09	-0.01	5512.90	982143.83	0.14	2.661	4.159	6.960
7	Grid 2	2010-06-15	20:15:47	562.00	5300.00	28.51	0.77	-0.01	5507.01	982137.93	0.12	2.604	4.385	7.109
7	Grid 2	2010-06-15	20:10:17	562.00	5300.00	31.56	0.79	-0.01	5510.06	982140.99	0.06	2.263	4.254	6.577
7	Grid 2	2010-06-15	20:06:05	562.00	5300.00	33.51	0.81	-0.01	5512.02	982142.94	0.11	2.111	4.149	6.370
7	Grid 2	2010-06-15	19:27:56	562.00	5300.00	35.40	0.09	-0.03	5513.69	982144.60	0.13	2.175	4.049	6.354
7	Grid 2	2010-06-15	19:20:40	562.00	5300.00	32.00	0.77	-0.03	5510.50	982141.41	0.16	2.583	4.115	6.858
7	Grid 2	2010-06-15	19:11:44	562.00	5300.00	28.57	0.09	-0.03	5506.86	982137.77	0.14	2.839	4.206	7.185
7	Grid 2	2010-06-15	19:03:20	562.00	5300.00	24.02	0.69	-0.03	5502.49	982133.40	0.14	2.869	4.319	7.328
7	Grid 2	2010-06-15	18:55:25	562.00	5300.00	20.07	0.78	-0.04	5498.57	982129.48	0.16	2.737	4.444	7.341

Line	Grid	Date	UTC	Meter	Dial	TC-Reading	H.I.	Tide	StatG	G Observed	TC@2.0 gm/cc Zone B	17-500m	0.5-10km	total TC
7	Grid 2	2010-06-15	18:48:08	562.00	5300.00	20.99	0.74	-0.04	5499.48	982130.38	0.20	2.854	4.277	7.331
7	Grid 2	2010-06-15	18:42:40	562.00	5300.00	22.13	0.09	-0.04	5500.42	982131.32	0.26	3.151	4.081	7.492
7	Grid 2	2010-06-15	17:36:22	562.00	5300.00	16.43	0.80	-0.06	5494.94	982125.82	0.21	3.006	4.337	7.553
7	Grid 2	2010-06-15	17:46:26	562.00	5300.00	8.66	0.69	-0.06	5487.13	982118.01	0.17	2.852	4.807	7.829
7	Grid 2	2010-06-15	17:59:52	562.00	5300.00	2.22	0.62	-0.06	5480.67	982111.56	0.20	2.708	5.292	8.200
7	Grid 2	2010-06-15	18:07:43	562.00	5300.00	-5.15	0.74	-0.05	5473.34	982104.23	0.20	2.317	6.011	8.528
1	Puma	2010-06-19	16:32:18	562.00	5300.00	-4.94	0.09	-0.02	5473.35	982104.40	0.18	2.108	6.446	8.734
1	Puma	2010-06-19	16:43:21	562.00	5300.00	2.22	0.09	-0.02	5480.51	982111.56	0.19	1.945	5.746	7.881
1	Puma	2010-06-19	16:55:37	562.00	5300.00	10.79	0.09	-0.02	5489.07	982120.13	0.15	1.992	5.056	7.198
1	Puma	2010-06-19	17:05:12	562.00	5300.00	17.15	0.09	-0.02	5495.44	982126.49	0.08	2.157	4.637	6.874
1	Puma	2010-06-19	17:18:56	562.00	5300.00	23.94	0.63	-0.02	5502.39	982133.45	0.08	2.492	4.293	6.865
1	Puma	2010-06-19	17:26:38	562.00	5300.00	28.21	0.09	-0.02	5506.50	982137.56	0.04	2.515	4.298	6.853
1	Puma	2010-06-19	17:32:09	562.00	5300.00	31.49	0.09	-0.02	5509.78	982140.83	0.04	2.249	4.354	6.643
1	Puma	2010-06-19	17:37:53	562.00	5300.00	34.58	0.09	-0.02	5512.87	982143.93	0.05	1.944	4.313	6.307
1	Puma	2010-06-19	17:46:54	562.00	5300.00	35.62	0.56	-0.02	5514.06	982145.11	0.04	1.670	4.337	6.047
1	Puma	2010-06-19	17:57:17	562.00	5300.00	36.03	0.70	-0.02	5514.51	982145.57	0.00	1.502	4.338	5.840
1	Puma	2010-06-19	18:05:21	562.00	5300.00	39.33	0.54	-0.02	5517.75	982148.81	0.02	1.361	4.321	5.702
1	Puma	2010-06-19	18:11:56	562.00	5300.00	42.59	0.62	-0.02	5521.04	982152.10	0.04	1.311	4.290	5.641
1	Puma	2010-06-19	18:19:16	562.00	5300.00	45.30	0.61	-0.02	5523.75	982154.81	0.02	1.247	4.319	5.586
1	Puma	2010-06-19	18:25:00	562.00	5300.00	48.01	0.62	-0.02	5526.46	982157.52	0.03	1.157	4.435	5.622
1	Puma	2010-06-19	18:33:13	562.00	5300.00	50.94	0.64	-0.03	5529.40	982160.46	0.06	1.048	4.518	5.626
1	Puma	2010-06-19	18:39:25	562.00	5300.00	54.65	0.09	-0.03	5532.94	982164.00	0.10	1.075	4.502	5.677
1	Puma	2010-06-19	18:46:57	562.00	5300.00	55.82	0.09	-0.03	5534.11	982165.17	0.03	1.029	4.492	5.551
1	Puma	2010-06-21	00:44:59	562.00	5300.00	56.93	0.09	-0.06	5535.22	982166.29	0.02	1.031	4.417	5.468
1	Puma	2010-06-19	18:52:08	562.00	5300.00	56.94	0.09	-0.03	5535.23	982166.29	0.02	1.031	4.417	5.468
1	Puma	2010-06-19	19:06:25	562.00	5300.00	56.12	0.47	-0.03	5534.53	982165.59	0.04	1.131	4.319	5.490
1	Puma	2010-06-19	19:14:05	562.00	5300.00	56.06	0.52	-0.03	5534.48	982165.54	0.00	1.366	4.212	5.578
1	Puma	2010-06-20	00:27:23	562.00	5300.00	56.04	0.61	-0.07	5534.49	982165.55	0.00	1.366	4.212	5.578
1	Puma	2010-06-19	19:22:19	562.00	5300.00	55.82	0.49	-0.03	5534.23	982165.30	0.00	1.600	4.009	5.609
2	Puma	2010-06-19	16:17:28	562.00	5300.00	-5.92	0.09	-0.02	5472.37	982103.42	0.18	2.402	6.565	9.147
2	Puma	2010-06-19	23:12:02	562.00	5300.00	7.50	0.09	-0.06	5485.79	982116.88	0.15	2.345	5.279	7.774
2	Puma	2010-06-19	23:01:51	562.00	5300.00	10.58	0.09	-0.06	5488.87	982119.95	0.15	2.288	5.053	7.491
2	Puma	2010-06-19	22:54:31	562.00	5300.00	13.14	0.09	-0.06	5491.43	982122.51	0.17	2.246	4.916	7.332
2	Puma	2010-06-19	22:47:38	562.00	5300.00	17.41	0.09	-0.06	5495.70	982126.78	0.17	2.284	4.716	7.170
2	Puma	2010-06-19	22:37:51	562.00	5300.00	21.05	0.09	-0.06	5499.34	982130.42	0.14	2.297	4.569	7.006
2	Puma	2010-06-19	22:30:44	562.00	5300.00	22.90	0.68	-0.05	5501.37	982132.45	0.10	2.193	4.537	6.830
2	Puma	2010-06-19	22:24:33	562.00	5300.00	24.41	0.52	-0.05	5502.83	982133.91	0.12	2.084	4.516	6.720
2	Puma	2010-06-19	22:15:31	562.00	5300.00	27.70	0.09	-0.05	5505.98	982137.06	0.12	2.005	4.416	6.541
2	Puma	2010-06-19	22:07:00	562.00	5300.00	31.83	0.51	-0.05	5510.25	982141.33	0.13	1.833	4.327	6.290
2	Puma	2010-06-19	21:58:35	562.00	5300.00	36.37	0.67	-0.05	5514.84	982145.91	0.12	1.637	4.210	5.967
2	Puma	2010-06-19	21:49:59	562.00	5300.00	40.15	0.59	-0.05	5518.59	982149.67	0.09	1.638	4.128	5.856
2	Puma	2010-06-19	21:02:21	562.00	5300.00	43.71	0.58	-0.04	5522.15	982153.23	0.10	1.646	4.137	5.883
2	Puma	2010-06-19	20:51:16	562.00	5300.00	47.82	0.62	-0.04	5526.27	982157.34	0.09	1.471	4.164	5.725
2	Puma	2010-06-19	20:41:46	562.00	5300.00	52.13	0.52	-0.04	5530.55	982161.62	0.07	1.367	4.182	5.619
2	Puma	2010-06-19	20:33:57	562.00	5300.00	52.55	0.50	-0.04	5530.96	982162.03	0.02	1.201	4.326	5.547
2	Puma	2010-06-19	20:20:33	562.00	5300.00	56.59	0.60	-0.04	5535.03	982166.10	0.04	1.038	4.458	5.536
2	Puma	2010-06-19	20:12:34	562.00	5300.00	58.64	0.40	-0.04	5537.03	982168.10	0.09	0.975	4.552	5.617
2	Puma	2010-06-19	20:04:26	562.00	5300.00	62.55	0.09	-0.04	5540.83	982171.90	0.07	1.161	4.536	5.767
2	Puma	2010-06-20	00:20:33	562.00	5300.00	59.63	0.67	-0.07	5538.09	982169.15	0.07	1.161	4.469	5.700
2	Puma	2010-06-19	19:58:47	562.00	5300.00	59.67	0.53	-0.04	5538.09	982169.16	0.07	1.161	4.469	5.700
3	Puma	2010-06-19	16:04:09	562.00	5300.00	-13.38	0.09	-0.02	5464.90	982095.95	0.17	2.764	7.584	10.518
3	Puma	2010-06-19	23:53:04	562.00	5300.00	-8.99	0.09	-0.06	5469.30	982100.38	0.18	2.928	6.833	9.941
3	Puma	2010-06-19	23:41:35	562.00	5300.00	-5.60	0.09	-0.06	5472.69	982103.78	0.17	2.757	6.341	9.268

Line	Grid	Date	UTC	Meter	Dial	TC-Reading	H.I.	Tide	StatG	G Observed	TC@2.0 gm/cc Zone B	17-500m	0.5-10km	total TC
3	Puma	2010-06-20	21:29:42	562.00	5300.00	-5.57	0.09	-0.03	5472.72	982103.80	0.17	2.757	6.341	9.268
3	Puma	2010-06-20	21:37:50	562.00	5300.00	-2.08	0.09	-0.03	5476.21	982107.29	0.17	2.504	6.011	8.685
3	Puma	2010-06-20	21:45:47	562.00	5300.00	1.78	0.09	-0.03	5480.07	982111.15	0.17	2.379	5.730	8.279
3	Puma	2010-06-20	21:50:53	562.00	5300.00	6.95	0.09	-0.04	5485.24	982116.32	0.17	2.290	5.427	7.887
3	Puma	2010-06-20	21:56:09	562.00	5300.00	11.13	0.09	-0.04	5489.42	982120.50	0.15	2.228	5.190	7.568
3	Puma	2010-06-20	22:01:59	562.00	5300.00	13.72	0.74	-0.04	5492.21	982123.29	0.16	2.228	5.068	7.456
3	Puma	2010-06-20	22:10:32	562.00	5300.00	15.66	0.68	-0.04	5494.13	982125.21	0.16	2.307	4.987	7.454
3	Puma	2010-06-20	22:17:00	562.00	5300.00	19.04	0.52	-0.04	5497.46	982128.53	0.14	2.331	4.809	7.280
3	Puma	2010-06-20	22:23:44	562.00	5300.00	24.52	0.53	-0.04	5502.95	982134.02	0.16	2.270	4.541	6.971
3	Puma	2010-06-20	22:29:18	562.00	5300.00	29.97	0.45	-0.04	5508.36	982139.44	0.14	2.219	4.344	6.703
3	Puma	2010-06-20	22:36:47	562.00	5300.00	33.61	0.48	-0.05	5512.02	982143.09	0.16	2.083	4.231	6.474
3	Puma	2010-06-20	23:06:41	562.00	5300.00	40.99	0.71	-0.05	5519.47	982150.53	0.13	1.992	4.012	6.134
3	Puma	2010-06-20	23:22:40	562.00	5300.00	46.23	0.61	-0.06	5524.68	982155.75	0.11	1.936	3.965	6.011
3	Puma	2010-06-20	23:30:46	562.00	5300.00	50.98	0.60	-0.06	5529.42	982160.49	0.08	1.780	4.046	5.906
3	Puma	2010-06-20	23:38:20	562.00	5300.00	55.60	0.60	-0.06	5534.05	982165.11	0.08	1.687	4.154	5.921
3	Puma	2010-06-20	23:55:03	562.00	5300.00	58.62	0.64	-0.06	5537.08	982168.14	0.06	1.455	4.352	5.867
3	Puma	2010-06-20	00:01:18	562.00	5300.00	61.85	0.68	-0.06	5540.32	982171.38	0.01	1.274	4.505	5.789
3	Puma	2010-06-20	00:07:35	562.00	5300.00	64.78	0.53	-0.06	5543.20	982174.26	0.09	1.175	4.605	5.870
3	Puma	2010-06-21	00:33:58	562.00	5300.00	65.11	0.68	-0.06	5543.58	982174.65	0.02	1.092	4.599	5.711
3	Puma	2010-06-20	00:13:48	562.00	5300.00	65.11	0.76	-0.06	5543.60	982174.66	0.02	1.092	4.599	5.711
4	Puma	2010-06-19	15:47:05	562.00	5300.00	-28.96	0.09	-0.02	5449.33	982080.37	0.17	2.779	9.571	12.520
4	Puma	2010-06-19	00:15:28	562.00	5300.00	-24.15	0.09	-0.06	5454.14	982085.23	0.15	2.954	8.764	11.868
4	Puma	2010-06-19	00:07:24	562.00	5300.00	-18.36	0.09	-0.06	5459.92	982091.01	0.15	3.024	7.981	11.155
4	Puma	2010-06-20	20:36:10	562.00	5300.00	-18.34	0.09	-0.02	5459.95	982091.04	0.15	3.024	7.981	11.155
4	Puma	2010-06-20	20:30:14	562.00	5300.00	-12.19	0.09	-0.02	5466.10	982097.19	0.14	2.952	7.245	10.337
4	Puma	2010-06-20	20:23:20	562.00	5300.00	-7.53	0.09	-0.02	5470.76	982101.85	0.14	2.809	6.789	9.738
4	Puma	2010-06-20	20:16:47	562.00	5300.00	-3.69	0.09	-0.01	5474.60	982105.69	0.13	2.604	6.467	9.201
4	Puma	2010-06-20	20:11:34	562.00	5300.00	-0.68	0.09	-0.01	5477.61	982108.70	0.14	2.558	6.258	8.956
4	Puma	2010-06-20	20:07:10	562.00	5300.00	1.41	0.09	-0.01	5479.69	982110.79	0.14	2.650	6.094	8.884
4	Puma	2010-06-20	20:01:18	562.00	5300.00	5.59	0.09	-0.01	5483.87	982114.97	0.16	2.611	5.769	8.540
4	Puma	2010-06-20	19:54:22	562.00	5300.00	11.56	0.64	-0.01	5490.02	982121.12	0.14	2.612	5.356	8.108
4	Puma	2010-06-20	19:43:24	562.00	5300.00	18.00	0.09	-0.01	5496.29	982127.38	0.13	2.554	4.951	7.635
4	Puma	2010-06-20	19:33:05	562.00	5300.00	23.50	0.09	-0.01	5501.79	982132.89	0.14	2.500	4.638	7.278
4	Puma	2010-06-20	19:25:32	562.00	5300.00	30.99	0.09	0.00	5509.28	982140.38	0.16	2.471	4.275	6.906
4	Puma	2010-06-20	19:18:05	562.00	5300.00	38.23	0.09	0.00	5516.51	982147.61	0.14	2.498	4.015	6.653
4	Puma	2010-06-20	19:11:54	562.00	5300.00	44.16	0.09	0.00	5522.45	982153.55	0.11	2.451	3.925	6.486
4	Puma	2010-06-20	19:06:17	562.00	5300.00	48.58	0.61	0.00	5527.03	982158.13	0.11	2.351	3.999	6.460
4	Puma	2010-06-20	18:57:16	562.00	5300.00	53.70	0.60	0.00	5532.15	982163.25	0.11	2.153	4.108	6.371
4	Puma	2010-06-20	18:48:42	562.00	5300.00	58.24	0.53	0.00	5536.66	982167.76	0.07	1.920	4.289	6.279
4	Puma	2010-06-20	18:41:56	562.00	5300.00	62.68	0.64	0.00	5541.14	982172.24	0.06	1.597	4.488	6.145
4	Puma	2010-06-20	18:31:39	562.00	5300.00	65.82	0.66	0.00	5544.28	982175.39	0.04	1.267	4.620	5.927
4	Puma	2010-06-21	00:26:47	562.00	5300.00	68.51	0.55	-0.06	5546.94	982178.01	0.02	1.109	4.643	5.772
4	Puma	2010-06-20	18:26:06	562.00	5300.00	68.52	0.59	0.00	5546.96	982178.06	0.02	1.109	4.643	5.772
5	Puma	2010-06-19	15:34:12	562.00	5300.00	-40.07	0.09	-0.02	5438.21	982069.26	0.18	2.640	11.572	14.392
5	Puma	2010-06-19	00:34:21	562.00	5300.00	-34.16	0.09	-0.06	5444.13	982075.22	0.17	2.869	10.576	13.615
5	Puma	2010-06-20	15:14:02	562.00	5300.00	-34.17	0.09	-0.01	5444.12	982075.24	0.17	2.869	10.576	13.615
5	Puma	2010-06-20	15:25:48	562.00	5300.00	-30.04	0.09	-0.01	5448.25	982079.38	0.14	2.950	9.819	12.909
5	Puma	2010-06-20	15:35:43	562.00	5300.00	-24.83	0.09	0.00	5453.46	982084.59	0.17	2.906	9.025	12.101
5	Puma	2010-06-20	15:43:01	562.00	5300.00	-19.87	0.09	0.00	5458.42	982089.54	0.15	2.977	8.361	11.488
5	Puma	2010-06-20	15:51:28	562.00	5300.00	-17.20	0.09	0.00	5461.09	982092.21	0.14	2.977	7.891	11.008
5	Puma	2010-06-20	15:59:10	562.00	5300.00	-13.11	0.09	0.00	5465.18	982096.30	0.17	2.836	7.426	10.432
5	Puma	2010-06-20	16:09:18	562.00	5300.00	-5.91	0.09	0.00	5472.38	982103.50	0.16	2.621	6.807	9.588
5	Puma	2010-06-20	16:16:19	562.00	5300.00	1.53	0.09	0.00	5479.81	982110.94	0.17	2.533	6.261	8.964

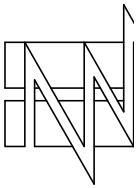
											TC@2.0 gm/cc			total
Line	Grid	Date	UTC	Meter	Dial	TC-Reading	H.I.	Tide	StatG	G Observed	Zone B	17-500m	0.5-10km	TC
5	Puma	2010-06-20	16:23:25	562.00	5300.00	7.69	0.09	0.00	5485.98	982117.10	0.19	2.617	5.826	8.633
5	Puma	2010-06-20	16:35:35	562.00	5300.00	15.62	0.09	0.00	5493.90	982125.02	0.14	2.732	5.238	8.110
5	Puma	2010-06-20	16:42:20	562.00	5300.00	22.40	0.09	0.01	5500.69	982131.81	0.14	2.722	4.820	7.682
5	Puma	2010-06-20	16:53:58	562.00	5300.00	29.35	0.09	0.01	5507.64	982138.76	0.16	2.661	4.448	7.269
5	Puma	2010-06-20	17:00:34	562.00	5300.00	35.88	0.09	0.01	5514.17	982145.29	0.13	2.639	4.188	6.957
5	Puma	2010-06-20	17:07:31	562.00	5300.00	41.93	0.58	0.01	5520.37	982151.49	0.13	2.410	4.025	6.565
5	Puma	2010-06-20	17:20:29	562.00	5300.00	47.42	0.48	0.01	5525.83	982156.94	0.12	2.301	3.884	6.305
5	Puma	2010-06-20	17:29:27	562.00	5300.00	52.62	0.70	0.01	5531.10	982162.21	0.10	2.298	3.865	6.263
5	Puma	2010-06-20	17:37:50	562.00	5300.00	56.45	0.65	0.01	5534.91	982166.02	0.10	2.220	3.955	6.275
5	Puma	2010-06-20	17:45:16	562.00	5300.00	61.62	0.49	0.01	5540.04	982171.15	0.09	2.170	4.097	6.357
5	Puma	2010-06-20	17:51:30	562.00	5300.00	64.82	0.73	0.01	5543.30	982174.41	0.06	1.826	4.470	6.356
5	Puma	2010-06-20	17:57:46	562.00	5300.00	68.08	0.49	0.01	5546.49	982177.60	0.05	1.352	4.647	6.049
6	Puma	2010-06-19	15:24:15	562.00	5300.00	-52.86	0.09	-0.02	5425.42	982056.47	0.12	2.721	13.682	16.523
6	Puma	2010-06-21	15:27:54	562.00	5300.00	-52.89	0.09	0.00	5425.39	982056.48	0.12	2.721	13.682	16.523
6	Puma	2010-06-21	21:44:49	562.00	5300.00	-49.87	0.09	-0.01	5428.42	982059.50	0.14	2.970	13.287	16.397
6	Puma	2010-06-21	21:57:12	562.00	5300.00	-41.10	0.09	-0.02	5437.19	982068.26	0.20	2.974	11.887	15.061
6	Puma	2010-06-21	22:05:13	562.00	5300.00	-32.57	0.09	-0.02	5445.72	982076.79	0.16	2.831	10.427	13.418
6	Puma	2010-06-21	22:13:08	562.00	5300.00	-24.29	0.09	-0.02	5453.99	982085.07	0.18	2.643	9.320	12.143
6	Puma	2010-06-21	22:20:16	562.00	5300.00	-17.12	0.09	-0.02	5461.17	982092.24	0.16	2.731	8.545	11.436
6	Puma	2010-06-21	22:26:03	562.00	5300.00	-10.31	0.09	-0.02	5467.97	982099.05	0.17	2.895	7.718	10.783
6	Puma	2010-06-21	22:33:05	562.00	5300.00	-2.00	0.09	-0.03	5476.29	982107.37	0.14	2.813	6.885	9.838
6	Puma	2010-06-21	22:44:23	562.00	5300.00	6.71	0.09	-0.03	5485.00	982116.07	0.18	2.559	6.111	8.850
6	Puma	2010-06-21	22:51:27	562.00	5300.00	12.73	0.09	-0.03	5491.02	982122.09	0.16	2.641	5.695	8.496
6	Puma	2010-06-21	22:57:09	562.00	5300.00	20.04	0.09	-0.03	5498.32	982129.40	0.14	2.970	5.163	8.273
6	Puma	2010-06-21	23:02:19	562.00	5300.00	25.07	0.09	-0.04	5503.36	982134.44	0.14	3.095	4.770	8.005
6	Puma	2010-06-21	23:11:24	562.00	5300.00	31.04	0.09	-0.04	5509.33	982140.40	0.20	3.057	4.456	7.713
6	Puma	2010-06-21	23:16:25	562.00	5300.00	36.55	0.09	-0.04	5514.84	982145.91	0.14	2.710	4.252	7.102
6	Puma	2010-06-21	23:23:15	562.00	5300.00	40.79	0.09	-0.04	5519.08	982150.15	0.12	2.461	4.122	6.703
6	Puma	2010-06-21	23:27:45	562.00	5300.00	44.66	0.09	-0.04	5522.95	982154.02	0.13	2.326	4.031	6.487
6	Puma	2010-06-21	23:34:14	562.00	5300.00	49.24	0.09	-0.05	5527.53	982158.60	0.12	2.286	3.966	6.372
6	Puma	2010-06-21	23:39:03	562.00	5300.00	52.17	0.09	-0.05	5530.46	982161.53	0.13	2.214	3.987	6.331
6	Puma	2010-06-21	23:43:26	562.00	5300.00	55.95	0.09	-0.05	5534.24	982165.31	0.12	2.118	3.979	6.217
6	Puma	2010-06-21	23:49:03	562.00	5300.00	59.66	0.51	-0.05	5538.08	982169.15	0.12	2.097	3.990	6.207
6	Puma	2010-06-21	23:55:58	562.00	5300.00	63.89	0.61	-0.05	5542.34	982173.41	0.08	1.990	4.123	6.193
7	Puma	2010-06-21	15:34:27	562.00	5300.00	-53.15	0.09	0.01	5425.14	982056.22	0.00	2.321	13.564	15.885
7	Puma	2010-06-21	20:44:57	562.00	5300.00	-41.22	0.09	0.01	5437.06	982068.14	0.20	2.313	12.563	15.076
7	Puma	2010-06-21	20:52:59	562.00	5300.00	-51.14	0.09	0.00	5427.15	982058.23	0.18	2.354	13.735	16.269
7	Puma	2010-06-21	20:35:08	562.00	5300.00	-34.04	0.09	0.01	5444.25	982075.33	0.13	2.431	11.543	14.104
7	Puma	2010-06-21	20:28:58	562.00	5300.00	-25.09	0.09	0.01	5453.20	982084.28	0.20	2.538	10.098	12.836
7	Puma	2010-06-21	20:19:56	562.00	5300.00	-18.45	0.09	0.01	5459.83	982090.91	0.17	2.669	9.142	11.981
7	Puma	2010-06-21	20:11:59	562.00	5300.00	-10.86	0.09	0.02	5467.42	982098.50	0.16	2.802	8.179	11.141
7	Puma	2010-06-21	20:01:37	562.00	5300.00	-4.96	0.09	0.02	5473.33	982104.41	0.14	2.891	7.393	10.424
7	Puma	2010-06-21	19:46:03	562.00	5300.00	1.18	0.09	0.02	5479.47	982110.55	0.21	2.801	6.688	9.699
7	Puma	2010-06-21	19:33:43	562.00	5300.00	5.63	0.09	0.02	5483.91	982114.99	0.20	2.752	6.325	9.277
7	Puma	2010-06-21	19:26:39	562.00	5300.00	11.40	0.09	0.02	5489.68	982120.76	0.18	2.872	5.854	8.906
7	Puma	2010-06-21	19:18:11	562.00	5300.00	16.49	0.09	0.03	5494.78	982125.86	0.14	2.988	5.481	8.609
7	Puma	2010-06-21	19:10:28	562.00	5300.00	20.51	0.09	0.03	5498.80	982129.88	0.15	2.985	5.202	8.337
7	Puma	2010-06-21	19:04:16	562.00	5300.00	24.50	0.09	0.03	5502.79	982133.86	0.17	2.947	4.954	8.071
7	Puma	2010-06-21	18:56:56	562.00	5300.00	29.62	0.09	0.03	5507.91	982138.98	0.16	2.784	4.694	7.638
7	Puma	2010-06-21	18:52:35	562.00	5300.00	34.91	0.09	0.03	5513.20	982144.28	0.15	2.537	4.463	7.150
7	Puma	2010-06-21	18:46:33	562.00	5300.00	41.17	0.09	0.03	5519.46	982150.54	0.16	2.293	4.228	6.681
7	Puma	2010-06-21	18:41:17	562.00	5300.00	46.83	0.09	0.03	5525.12	982156.20	0.13	2.236	4.050	6.416
7	Puma	2010-06-21	18:36:42	562.00	5300.00	51.84	0.49	0.03	5530.25	982161.33	0.13	2.192	3.941	6.263

Line	Grid	Date	UTC	Meter	Dial	TC-Reading	H.I.	Tide	StatG	G Observed	TC@2.0 gm/cc Zone B	17-500m	0.5-10km	total TC
7	Puma	2010-06-21	18:30:26	562.00	5300.00	56.21	0.68	0.03	5534.68	982165.76	0.06	2.102	3.888	6.050
7	Puma	2010-06-21	18:24:26	562.00	5300.00	60.25	0.64	0.03	5538.70	982169.78	0.02	2.070	3.898	5.988
8	Puma	2010-06-21	15:39:19	562.00	5300.00	-49.57	0.09	0.01	5428.72	982059.80	0.00	2.077	12.986	15.063
8	Puma	2010-06-21	15:44:10	562.00	5300.00	-53.16	0.09	0.01	5425.13	982056.21	0.03	2.290	13.915	16.235
8	Puma	2010-06-21	15:49:13	562.00	5300.00	-50.98	0.09	0.01	5427.31	982058.39	0.10	2.240	13.918	16.258
8	Puma	2010-06-21	15:55:55	562.00	5300.00	-49.69	0.09	0.01	5428.60	982059.68	0.21	2.577	13.656	16.443
8	Puma	2010-06-21	16:08:28	562.00	5300.00	-37.32	0.09	0.02	5440.97	982072.05	0.20	2.438	12.028	14.666
8	Puma	2010-06-21	16:18:03	562.00	5300.00	-29.52	0.09	0.02	5448.77	982079.85	0.25	2.807	10.684	13.741
8	Puma	2010-06-21	16:28:24	562.00	5300.00	-27.31	0.09	0.02	5450.98	982082.06	0.13	2.985	10.037	13.152
8	Puma	2010-06-21	16:37:49	562.00	5300.00	-18.10	0.09	0.02	5460.19	982091.27	0.16	2.909	8.897	11.966
8	Puma	2010-06-21	16:44:52	562.00	5300.00	-13.73	0.09	0.02	5464.56	982095.64	0.17	2.943	8.428	11.541
8	Puma	2010-06-21	16:52:02	562.00	5300.00	-5.93	0.09	0.02	5472.36	982103.44	0.17	2.860	7.679	10.709
8	Puma	2010-06-21	16:57:52	562.00	5300.00	-0.08	0.09	0.02	5478.21	982109.29	0.14	2.986	7.189	10.315
8	Puma	2010-06-21	17:04:00	562.00	5300.00	4.04	0.09	0.03	5482.33	982113.41	0.13	3.196	6.791	10.117
8	Puma	2010-06-21	17:09:48	562.00	5300.00	9.44	0.09	0.03	5487.73	982118.81	0.13	3.168	6.235	9.533
8	Puma	2010-06-21	17:15:46	562.00	5300.00	14.70	0.09	0.03	5492.98	982124.06	0.14	3.138	5.783	9.061
8	Puma	2010-06-21	17:22:01	562.00	5300.00	22.06	0.09	0.03	5500.34	982131.42	0.16	2.977	5.301	8.438
8	Puma	2010-06-21	17:29:02	562.00	5300.00	30.40	0.09	0.03	5508.69	982139.77	0.16	2.808	4.839	7.807
8	Puma	2010-06-21	17:36:58	562.00	5300.00	36.93	0.09	0.03	5515.22	982146.30	0.10	2.622	4.518	7.240
8	Puma	2010-06-21	17:42:24	562.00	5300.00	42.37	0.09	0.03	5520.66	982151.74	0.10	2.423	4.289	6.812
8	Puma	2010-06-21	17:49:04	562.00	5300.00	48.72	0.09	0.03	5527.01	982158.09	0.12	2.183	4.081	6.384
8	Puma	2010-06-21	17:58:55	562.00	5300.00	54.79	0.62	0.03	5533.24	982164.32	0.07	2.069	3.928	6.067
8	Puma	2010-06-21	18:05:43	562.00	5300.00	58.23	0.67	0.03	5536.70	982167.78	0.04	2.083	3.880	6.003
1	Z-tem	2010-06-18	19:53:31	562.00	5300.00	39.11	0.46	-0.05	5517.51	982148.58	0.12	2.292	4.156	6.568
1	Z-tem	2010-06-18	20:02:30	562.00	5300.00	33.75	0.49	-0.05	5512.16	982143.23	0.13	2.662	4.237	7.029
1	Z-tem	2010-06-18	20:12:58	562.00	5300.00	28.28	0.54	-0.05	5506.71	982137.78	0.10	2.946	4.344	7.390
1	Z-tem	2010-06-18	20:20:16	562.00	5300.00	24.63	0.51	-0.05	5503.05	982134.12	0.07	3.157	4.435	7.662
1	Z-tem	2010-06-18	20:28:57	562.00	5300.00	22.67	0.58	-0.05	5501.11	982132.18	0.07	3.053	4.499	7.622
1	Z-tem	2010-06-18	20:35:46	562.00	5300.00	22.03	0.09	-0.05	5500.32	982131.39	0.08	2.721	4.581	7.382
1	Z-tem	2010-06-18	20:42:23	562.00	5300.00	21.65	0.09	-0.05	5499.93	982131.01	0.09	2.485	4.648	7.223
1	Z-tem	2010-06-18	20:50:08	562.00	5300.00	19.89	0.69	-0.05	5498.36	982129.43	0.14	2.433	4.755	7.328
1	Z-tem	2010-06-18	20:59:00	562.00	5300.00	14.47	0.63	-0.05	5492.93	982124.00	0.15	2.383	5.065	7.598
1	Z-tem	2010-06-18	21:06:50	562.00	5300.00	11.76	0.09	-0.05	5490.05	982121.12	0.16	2.353	5.138	7.651
1	Z-tem	2010-06-18	21:14:06	562.00	5300.00	11.21	0.09	-0.05	5489.50	982120.57	0.13	2.329	5.087	7.546
1	Z-tem	2010-06-18	21:35:56	562.00	5300.00	8.25	0.09	-0.05	5486.53	982117.61	0.12	2.344	5.154	7.618
1	Z-tem	2010-06-18	21:43:16	562.00	5300.00	3.54	0.09	-0.05	5481.83	982112.90	0.13	2.252	5.550	7.932
1	Z-tem	2010-06-18	21:53:09	562.00	5300.00	-1.86	0.56	-0.05	5476.58	982107.65	0.14	1.880	6.304	8.324
1	Z-tem	2010-06-18	22:01:10	562.00	5300.00	-8.92	0.51	-0.05	5469.49	982100.56	0.14	1.311	7.220	8.671
1	Z-tem	2010-06-18	22:14:47	562.00	5300.00	-14.35	0.49	-0.05	5464.07	982095.14	0.12	0.968	7.834	8.922
1	Z-tem	2010-06-18	22:23:44	562.00	5300.00	-19.66	0.09	-0.05	5458.63	982089.70	0.10	1.017	8.345	9.462
1	Z-tem	2010-06-18	22:29:29	562.00	5300.00	-24.05	0.09	-0.05	5454.24	982085.31	0.09	1.404	8.776	10.270
1	Z-tem	2010-06-18	22:35:43	562.00	5300.00	-29.45	0.09	-0.05	5448.83	982079.91	0.06	2.139	9.002	11.201
1	Z-tem	2010-06-18	22:44:17	562.00	5300.00	-20.06	0.09	-0.05	5458.23	982089.30	0.16	2.322	7.950	10.432
1	Z-tem	2010-06-18	22:55:54	562.00	5300.00	-12.12	0.09	-0.05	5466.17	982097.24	0.20	2.917	6.858	9.975
2	Z-tem	2010-06-18	19:11:04	562.00	5300.00	42.80	0.67	-0.05	5521.26	982152.34	0.11	1.972	4.333	6.415
2	Z-tem	2010-06-18	19:01:54	562.00	5300.00	38.46	0.62	-0.05	5516.91	982147.98	0.07	2.253	4.361	6.684
2	Z-tem	2010-06-18	18:54:34	562.00	5300.00	35.43	0.09	-0.05	5513.72	982144.79	0.06	2.505	4.317	6.882
2	Z-tem	2010-06-18	18:45:59	562.00	5300.00	32.75	0.64	-0.05	5511.20	982142.28	0.07	2.754	4.201	7.025
2	Z-tem	2010-06-18	18:37:42	562.00	5300.00	31.91	0.50	-0.05	5510.32	982141.40	0.09	2.795	4.072	6.957
2	Z-tem	2010-06-18	18:28:54	562.00	5300.00	32.25	0.09	-0.05	5510.54	982141.61	0.11	2.791	3.981	6.882
2	Z-tem	2010-06-18	18:21:10	562.00	5300.00	31.57	0.60	-0.05	5510.02	982141.09	0.13	2.901	3.946	6.977
2	Z-tem	2010-06-18	18:09:43	562.00	5300.00	27.20	0.31	-0.05	5505.55	982136.62	0.13	2.839	4.089	7.058
2	Z-tem	2010-06-18	17:55:51	562.00	5300.00	25.72	0.09	-0.05	5504.00	982135.08	0.13	2.821	4.075	7.026

Line	Grid	Date	UTC	Meter	Dial	TC-Reading	H.I.	Tide	StatG	G Observed	TC@2.0 gm/cc Zone B	17-500m	0.5-10km	total TC
2	Z-tem	2010-06-18	17:45:26	562.00	5300.00	23.48	0.61	-0.05	5501.93	982133.00	0.12	2.759	4.107	6.986
2	Z-tem	2010-06-18	17:34:52	562.00	5300.00	20.25	0.60	-0.05	5498.69	982129.77	0.09	2.648	4.238	6.976
2	Z-tem	2010-06-18	17:23:32	562.00	5300.00	14.18	0.70	-0.05	5492.65	982123.73	0.09	2.458	4.608	7.156
2	Z-tem	2010-06-18	17:14:37	562.00	5300.00	8.69	0.55	-0.05	5487.12	982118.19	0.09	2.396	5.065	7.551
2	Z-tem	2010-06-18	17:05:16	562.00	5300.00	3.21	0.63	-0.05	5481.67	982112.74	0.10	2.194	5.772	8.066
2	Z-tem	2010-06-18	16:56:20	562.00	5300.00	-3.76	0.61	-0.05	5474.69	982105.76	0.10	1.542	6.722	8.364
2	Z-tem	2010-06-18	16:48:06	562.00	5300.00	-8.12	0.09	-0.05	5470.17	982101.24	0.07	1.059	7.334	8.463
2	Z-tem	2010-06-18	16:41:39	562.00	5300.00	-14.45	0.59	-0.04	5464.00	982095.07	0.09	0.888	7.983	8.961
2	Z-tem	2010-06-18	16:28:38	562.00	5300.00	-18.56	0.09	-0.04	5459.72	982090.80	0.09	1.142	8.322	9.554
2	Z-tem	2010-06-18	16:21:09	562.00	5300.00	-25.07	0.60	-0.04	5453.38	982084.45	0.03	1.856	8.585	10.471
2	Z-tem	2010-06-18	16:11:13	562.00	5300.00	-20.24	0.09	-0.04	5458.05	982089.13	0.06	2.276	8.019	10.355
2	Z-tem	2010-06-18	16:02:45	562.00	5300.00	-16.07	0.09	-0.04	5462.22	982093.29	0.16	2.920	7.304	10.384
3	Z-tem	2010-06-17	21:23:39	562.00	5300.00	49.75	0.74	-0.04	5528.24	982159.30	0.11	1.571	4.639	6.320
3	Z-tem	2010-06-17	21:30:14	562.00	5300.00	45.79	0.72	-0.04	5524.27	982155.33	0.11	1.744	4.424	6.278
3	Z-tem	2010-06-17	21:37:37	562.00	5300.00	42.57	0.76	-0.04	5521.06	982152.12	0.09	1.950	4.298	6.338
3	Z-tem	2010-06-17	21:43:53	562.00	5300.00	41.96	0.79	-0.04	5520.46	982151.52	0.10	2.174	4.095	6.369
3	Z-tem	2010-06-17	21:48:34	562.00	5300.00	41.24	0.79	-0.04	5519.75	982150.81	0.11	2.396	3.900	6.406
3	Z-tem	2010-06-17	21:53:43	562.00	5300.00	41.61	0.58	-0.04	5520.05	982151.11	0.09	2.671	3.751	6.512
3	Z-tem	2010-06-17	21:59:29	562.00	5300.00	39.05	0.77	-0.04	5517.55	982148.61	0.12	2.931	3.746	6.797
3	Z-tem	2010-06-17	22:05:34	562.00	5300.00	36.74	0.09	-0.04	5515.03	982146.09	0.10	3.309	3.673	7.082
3	Z-tem	2010-06-17	22:12:00	562.00	5300.00	30.75	0.09	-0.04	5509.04	982140.10	0.12	3.178	3.785	7.083
3	Z-tem	2010-06-17	22:20:24	562.00	5300.00	24.61	0.79	-0.04	5503.11	982134.17	0.14	2.981	3.922	7.043
3	Z-tem	2010-06-17	22:27:58	562.00	5300.00	19.43	0.71	-0.03	5497.91	982128.97	0.15	2.705	4.200	7.055
3	Z-tem	2010-06-17	22:35:21	562.00	5300.00	13.94	0.69	-0.03	5492.41	982123.48	0.11	2.419	4.605	7.134
3	Z-tem	2010-06-17	22:43:44	562.00	5300.00	8.48	0.72	-0.03	5486.96	982118.02	0.06	2.272	5.095	7.427
3	Z-tem	2010-06-17	22:52:36	562.00	5300.00	3.31	0.70	-0.03	5481.78	982112.85	0.10	2.102	5.776	7.978
3	Z-tem	2010-06-17	22:59:10	562.00	5300.00	-2.58	0.61	-0.03	5475.87	982106.93	0.08	1.595	6.638	8.313
3	Z-tem	2010-06-17	23:04:39	562.00	5300.00	-7.59	0.09	-0.03	5470.70	982101.76	0.07	1.074	7.387	8.531
3	Z-tem	2010-06-17	23:11:08	562.00	5300.00	-13.15	0.09	-0.03	5465.13	982096.20	0.06	0.923	8.035	9.018
3	Z-tem	2010-06-17	23:16:05	562.00	5300.00	-16.76	0.09	-0.03	5461.53	982092.59	0.04	1.203	8.334	9.577
3	Z-tem	2010-06-17	23:22:59	562.00	5300.00	-21.57	0.09	-0.03	5456.72	982087.79	0.05	1.856	8.425	10.331
3	Z-tem	2010-06-18	15:52:27	562.00	5300.00	-16.39	0.09	-0.05	5461.90	982092.97	0.05	2.259	7.725	10.034
3	Z-tem	2010-06-18	15:38:41	562.00	5300.00	-9.73	0.09	-0.05	5468.56	982099.63	0.10	2.894	6.756	9.750
4	Z-tem	2010-06-17	20:17:48	562.00	5300.00	54.89	0.76	-0.05	5533.38	982164.45	0.08	1.515	4.995	6.590
4	Z-tem	2010-06-17	20:08:57	562.00	5300.00	53.65	0.73	-0.05	5532.13	982163.20	0.10	1.862	4.817	6.779
4	Z-tem	2010-06-17	19:47:39	562.00	5300.00	51.28	0.69	-0.06	5529.75	982160.82	0.13	2.018	4.478	6.626
4	Z-tem	2010-06-17	19:42:41	562.00	5300.00	49.92	0.71	-0.06	5528.40	982159.46	0.11	2.246	4.247	6.603
4	Z-tem	2010-06-17	19:35:15	562.00	5300.00	47.41	0.09	-0.06	5525.69	982156.76	0.22	2.473	4.083	6.776
4	Z-tem	2010-06-17	19:23:32	562.00	5300.00	42.06	0.82	-0.06	5520.58	982151.64	0.16	2.389	4.071	6.620
4	Z-tem	2010-06-17	19:17:12	562.00	5300.00	36.26	0.80	-0.06	5514.77	982145.83	0.11	2.482	4.077	6.669
4	Z-tem	2010-06-17	19:06:33	562.00	5300.00	31.51	0.72	-0.06	5509.99	982141.05	0.14	2.707	4.050	6.897
4	Z-tem	2010-06-17	18:56:43	562.00	5300.00	25.11	0.81	-0.06	5503.62	982134.68	0.14	2.932	4.028	7.100
4	Z-tem	2010-06-17	18:50:49	562.00	5300.00	19.00	0.80	-0.06	5497.50	982128.56	0.15	2.753	4.188	7.091
4	Z-tem	2010-06-17	18:44:23	562.00	5300.00	13.61	0.52	-0.06	5492.03	982123.09	0.14	2.439	4.484	7.063
4	Z-tem	2010-06-17	18:39:03	562.00	5300.00	8.74	0.71	-0.06	5487.22	982118.28	0.15	2.226	4.840	7.216
4	Z-tem	2010-06-17	18:27:44	562.00	5300.00	3.21	0.74	-0.06	5481.70	982112.76	0.11	2.113	5.381	7.604
4	Z-tem	2010-06-17	18:22:16	562.00	5300.00	-1.59	0.73	-0.06	5476.89	982107.96	0.12	2.057	6.035	8.212
4	Z-tem	2010-06-17	18:16:54	562.00	5300.00	-6.72	0.71	-0.06	5471.76	982102.83	0.10	1.738	6.938	8.776
4	Z-tem	2010-06-17	18:11:31	562.00	5300.00	-11.28	0.71	-0.06	5467.20	982098.26	0.09	1.282	7.823	9.195
4	Z-tem	2010-06-17	18:05:11	562.00	5300.00	-15.05	0.65	-0.06	5463.41	982094.47	0.06	1.132	8.401	9.593
4	Z-tem	2010-06-18	23:34:25	562.00	5300.00	-19.52	0.09	-0.05	5458.77	982089.84	0.08	1.493	8.753	10.326
4	Z-tem	2010-06-17	23:46:02	562.00	5300.00	-19.49	0.09	-0.03	5458.80	982089.86	0.08	1.493	8.753	10.326
4	Z-tem	2010-06-18	15:00:12	562.00	5300.00	-23.14	0.09	-0.05	5455.15	982086.22	0.09	2.194	8.703	10.987

Line	Grid	Date	UTC	Meter	Dial	TC-Reading	H.I.	Tide	StatG	G Observed	TC@2.0 gm/cc Zone B	17-500m	0.5-10km	total TC
4	Z-tem	2010-06-17	23:35:35	562.00	5300.00	-23.12	0.09	-0.03	5455.17	982086.23	0.09	2.194	8.703	10.987
4	Z-tem	2010-06-18	15:09:42	562.00	5300.00	-10.48	0.09	-0.05	5467.81	982098.88	0.17	2.260	7.249	9.679
4	Z-tem	2010-06-18	15:23:39	562.00	5300.00	-3.05	0.09	-0.05	5475.24	982106.31	0.12	2.592	6.218	8.930
5	Z-tem	2010-06-16	17:23:30	562.00	5300.00	54.76	0.09	-0.07	5533.05	982164.08	0.16	2.126	4.582	6.868
5	Z-tem	2010-06-16	17:15:52	562.00	5300.00	51.09	0.76	-0.07	5529.58	982160.61	0.15	2.113	4.540	6.803
5	Z-tem	2010-06-16	17:07:15	562.00	5300.00	46.36	0.82	-0.08	5524.87	982155.91	0.23	2.180	4.289	6.699
5	Z-tem	2010-06-16	16:59:17	562.00	5300.00	43.12	0.74	-0.08	5521.61	982152.64	0.14	2.223	4.096	6.459
5	Z-tem	2010-06-16	16:53:03	562.00	5300.00	39.53	0.80	-0.08	5518.03	982149.07	0.15	2.303	4.012	6.465
5	Z-tem	2010-06-16	16:44:18	562.00	5300.00	36.07	0.63	-0.08	5514.52	982145.55	0.13	2.498	3.977	6.605
5	Z-tem	2010-06-16	16:36:06	562.00	5300.00	30.85	0.68	-0.08	5509.32	982140.36	0.14	2.677	4.017	6.834
5	Z-tem	2010-06-16	16:28:32	562.00	5300.00	25.99	0.71	-0.08	5504.47	982135.50	0.14	2.867	4.056	7.063
5	Z-tem	2010-06-16	16:19:50	562.00	5300.00	19.78	0.77	-0.08	5498.28	982129.31	0.17	2.945	4.189	7.304
5	Z-tem	2010-06-16	16:14:37	562.00	5300.00	13.74	0.69	-0.08	5492.22	982123.25	0.16	2.720	4.491	7.371
5	Z-tem	2010-06-16	16:08:57	562.00	5300.00	7.58	0.68	-0.08	5486.05	982117.08	0.13	2.445	4.937	7.512
5	Z-tem	2010-06-16	16:03:19	562.00	5300.00	0.93	0.68	-0.08	5479.40	982110.43	0.15	2.280	5.525	7.955
5	Z-tem	2010-06-16	15:31:46	562.00	5300.00	-3.67	0.71	-0.08	5474.81	982105.84	0.13	2.167	6.048	8.345
5	Z-tem	2010-06-16	15:25:54	562.00	5300.00	-8.94	0.65	-0.08	5469.52	982100.55	0.14	1.964	6.774	8.878
5	Z-tem	2010-06-16	15:20:35	562.00	5300.00	-12.89	0.64	-0.08	5465.57	982096.60	0.10	1.729	7.464	9.293
5	Z-tem	2010-06-16	15:16:35	562.00	5300.00	-16.88	0.09	-0.08	5461.41	982092.44	0.09	1.639	8.280	10.009
5	Z-tem	2010-06-17	23:54:36	562.00	5300.00	-20.84	0.09	-0.03	5457.45	982088.52	0.09	1.700	8.997	10.787
5	Z-tem	2010-06-16	15:11:42	562.00	5300.00	-20.80	0.09	-0.08	5457.49	982088.52	0.09	1.700	8.997	10.787
5	Z-tem	2010-06-18	23:45:49	562.00	5300.00	-24.19	0.09	-0.05	5454.09	982085.16	0.07	2.018	9.354	11.442
5	Z-tem	2010-06-16	15:07:22	562.00	5300.00	-24.15	0.09	-0.08	5454.14	982085.17	0.07	2.018	9.354	11.442
5	Z-tem	2010-06-16	14:59:15	562.00	5300.00	-25.63	0.09	-0.08	5452.66	982083.69	0.16	2.498	9.261	11.919
5	Z-tem	2010-06-15	00:38:17	562.00	5300.00	-13.11	0.09	0.02	5465.18	982096.15	0.21	2.255	7.898	10.363
5	Z-tem	2010-06-15	00:13:42	562.00	5300.00	-6.02	0.09	0.02	5472.27	982103.23	0.21	2.507	6.847	9.564
6	Z-tem	2010-06-17	20:47:33	562.00	5300.00	43.81	0.66	-0.05	5522.27	982153.33	0.18	2.268	4.122	6.570
6	Z-tem	2010-06-17	20:55:54	562.00	5300.00	43.92	0.70	-0.05	5522.40	982153.46	0.16	2.356	4.044	6.560
6	Z-tem	2010-06-16	18:28:50	562.00	5300.00	43.96	0.88	-0.06	5522.49	982153.53	0.16	2.356	4.044	6.560
6	Z-tem	2010-06-16	18:47:46	562.00	5300.00	38.45	0.79	-0.06	5516.95	982147.98	0.18	2.310	4.092	6.582
6	Z-tem	2010-06-16	19:07:24	562.00	5300.00	33.17	0.78	-0.05	5511.67	982142.71	0.16	2.436	4.131	6.727
6	Z-tem	2010-06-16	19:25:16	562.00	5300.00	30.15	0.64	-0.05	5508.61	982139.65	0.14	2.668	4.055	6.863
6	Z-tem	2010-06-16	19:33:20	562.00	5300.00	25.35	0.66	-0.05	5503.81	982134.85	0.15	2.745	4.084	6.979
6	Z-tem	2010-06-16	19:40:11	562.00	5300.00	21.61	0.09	-0.05	5499.90	982130.94	0.09	2.606	4.169	6.865
6	Z-tem	2010-06-16	19:49:21	562.00	5300.00	17.71	0.62	-0.04	5496.17	982127.20	0.14	2.559	4.314	7.013
6	Z-tem	2010-06-16	19:56:37	562.00	5300.00	11.88	0.69	-0.04	5490.35	982121.39	0.14	2.613	4.655	7.408
6	Z-tem	2010-06-16	20:04:46	562.00	5300.00	6.66	0.64	-0.04	5485.12	982116.16	0.12	2.527	5.103	7.750
6	Z-tem	2010-06-16	20:11:59	562.00	5300.00	0.45	0.84	-0.04	5478.97	982110.01	0.13	2.362	5.738	8.230
6	Z-tem	2010-06-16	20:18:23	562.00	5300.00	-4.36	0.09	-0.04	5473.93	982104.97	0.10	2.140	6.357	8.597
6	Z-tem	2010-06-16	20:24:29	562.00	5300.00	-9.44	0.70	-0.03	5469.04	982100.08	0.08	1.982	6.953	9.015
6	Z-tem	2010-06-16	20:31:16	562.00	5300.00	-14.04	0.09	-0.03	5464.25	982095.29	0.04	1.883	7.524	9.447
6	Z-tem	2010-06-16	20:38:53	562.00	5300.00	-18.49	0.62	-0.03	5459.96	982091.00	0.07	1.973	8.069	10.112
6	Z-tem	2010-06-15	22:50:24	562.00	5300.00	-18.38	0.67	0.03	5460.09	982091.05	0.07	1.973	8.069	10.112
6	Z-tem	2010-06-15	22:54:55	562.00	5300.00	-21.69	0.09	0.03	5456.60	982087.56	0.08	2.276	8.728	11.084
6	Z-tem	2010-06-15	23:02:49	562.00	5300.00	-27.50	0.09	0.03	5450.78	982081.74	0.08	2.822	9.441	12.343
6	Z-tem	2010-06-15	23:28:33	562.00	5300.00	-18.25	0.09	0.03	5460.04	982091.00	0.15	2.631	8.335	11.116
6	Z-tem	2010-06-15	23:37:41	562.00	5300.00	-12.65	0.09	0.03	5465.64	982096.60	0.16	2.874	7.768	10.802
7	Z-tem	2010-06-16	22:37:48	562.00	5300.00	30.52	0.09	-0.01	5508.80	982139.85	0.12	2.573	4.217	6.910
7	Z-tem	2010-06-16	22:31:52	562.00	5300.00	33.85	0.48	-0.01	5512.26	982143.30	0.11	2.504	4.041	6.655
7	Z-tem	2010-06-16	22:24:36	562.00	5300.00	35.85	0.75	-0.01	5514.34	982145.39	0.10	2.617	3.901	6.618
7	Z-tem	2010-06-16	22:17:58	562.00	5300.00	31.79	0.79	-0.01	5510.29	982141.34	0.11	2.663	4.030	6.803
7	Z-tem	2010-06-16	22:12:31	562.00	5300.00	26.37	0.84	-0.01	5504.89	982135.93	0.15	2.890	4.110	7.150
7	Z-tem	2010-06-16	22:06:35	562.00	5300.00	17.89	0.69	-0.01	5496.36	982127.40	0.17	2.918	4.384	7.472

Line	Grid	Date	UTC	Meter	Dial	TC-Reading	H.I.	Tide	StatG	G Observed	TC@2.0 gm/cc Zone B	17-500m	0.5-10km	total TC
7	Z-tem	2010-06-16	21:59:34	562.00	5300.00	13.02	0.61	-0.01	5491.46	982122.51	0.17	2.750	4.626	7.546
7	Z-tem	2010-06-16	21:52:50	562.00	5300.00	9.07	0.09	-0.01	5487.36	982118.40	0.14	2.546	4.871	7.557
7	Z-tem	2010-06-16	21:47:56	562.00	5300.00	4.99	0.09	-0.01	5483.28	982114.32	0.14	2.407	5.155	7.702
7	Z-tem	2010-06-16	21:42:59	562.00	5300.00	3.25	0.09	-0.02	5481.53	982112.58	0.13	2.283	5.341	7.754
7	Z-tem	2010-06-16	21:39:44	562.00	5300.00	-0.61	0.09	-0.02	5477.68	982108.72	0.12	2.124	5.805	8.049
7	Z-tem	2010-06-16	21:35:30	562.00	5300.00	-6.34	0.09	-0.02	5471.95	982102.99	0.13	2.162	6.451	8.743
7	Z-tem	2010-06-16	21:31:00	562.00	5300.00	-11.44	0.09	-0.02	5466.85	982097.89	0.06	2.168	7.006	9.234
7	Z-tem	2010-06-16	21:24:00	562.00	5300.00	-10.66	0.09	-0.02	5467.63	982098.67	0.04	1.992	7.040	9.072
7	Z-tem	2010-06-17	14:54:30	562.00	5300.00	-10.64	0.09	-0.07	5467.65	982098.71	0.04	1.992	7.040	9.072
7	Z-tem	2010-06-17	15:00:15	562.00	5300.00	-11.00	0.09	-0.07	5467.29	982098.35	0.17	2.032	7.065	9.267
7	Z-tem	2010-06-17	15:09:09	562.00	5300.00	-13.40	0.09	-0.07	5464.89	982095.95	0.18	2.234	7.383	9.797
7	Z-tem	2010-06-17	15:14:54	562.00	5300.00	-12.08	0.09	-0.07	5466.21	982097.27	0.15	2.309	7.347	9.806
7	Z-tem	2010-06-17	15:20:37	562.00	5300.00	-14.65	0.09	-0.07	5463.64	982094.70	0.20	2.663	7.504	10.367
7	Z-tem	2010-06-17	15:27:05	562.00	5300.00	-15.35	0.09	-0.07	5462.94	982094.00	0.15	2.813	7.592	10.555
7	Z-tem	2010-06-17	15:32:21	562.00	5300.00	-12.69	0.09	-0.07	5465.60	982096.66	0.20	2.818	7.452	10.470
7	Z-tem	2010-06-17	15:39:58	562.00	5300.00	-10.06	0.09	-0.07	5468.23	982099.29	0.19	2.945	7.251	10.386
7	Z-tem	2010-06-17	15:45:49	562.00	5300.00	-11.09	0.09	-0.07	5467.20	982098.26	0.16	3.405	7.249	10.814
8	Z-tem	2010-06-16	23:07:30	562.00	5300.00	25.52	0.81	0.00	5504.03	982135.07	0.14	2.638	4.086	6.864
8	Z-tem	2010-06-16	23:12:36	562.00	5300.00	26.79	0.79	0.00	5505.29	982136.34	0.13	2.784	3.995	6.909
8	Z-tem	2010-06-16	23:17:48	562.00	5300.00	23.64	0.80	0.00	5502.14	982133.19	0.11	2.851	4.107	7.068
8	Z-tem	2010-06-16	23:23:53	562.00	5300.00	19.99	0.78	0.00	5498.49	982129.54	0.13	2.900	4.231	7.261
8	Z-tem	2010-06-16	23:32:16	562.00	5300.00	12.48	0.09	0.00	5490.77	982121.81	0.16	2.821	4.686	7.667
8	Z-tem	2010-06-16	23:39:53	562.00	5300.00	5.68	0.09	0.00	5483.97	982115.01	0.15	2.778	5.172	8.100
8	Z-tem	2010-06-16	23:48:20	562.00	5300.00	-3.03	0.09	0.00	5475.26	982106.30	0.14	2.767	5.884	8.791
8	Z-tem	2010-06-16	23:53:48	562.00	5300.00	-6.84	0.09	0.00	5471.45	982102.49	0.15	2.557	6.244	8.951
8	Z-tem	2010-06-16	23:58:57	562.00	5300.00	-2.68	0.09	0.00	5475.61	982106.66	0.04	1.928	6.015	7.983
8	Z-tem	2010-06-16	00:03:15	562.00	5300.00	-4.79	0.09	0.00	5473.50	982104.55	0.00	1.808	6.237	8.045
8	Z-tem	2010-06-16	00:09:47	562.00	5300.00	-6.01	0.09	0.00	5472.28	982103.32	0.00	1.900	6.423	8.323
8	Z-tem	2010-06-17	17:04:54	562.00	5300.00	-2.39	0.09	-0.07	5475.90	982106.96	0.28	1.825	6.146	8.251
8	Z-tem	2010-06-17	16:56:43	562.00	5300.00	1.05	0.09	-0.07	5479.33	982110.39	0.17	1.951	5.706	7.827
8	Z-tem	2010-06-17	16:45:43	562.00	5300.00	0.68	0.09	-0.07	5478.96	982110.02	0.23	2.178	5.657	8.065
8	Z-tem	2010-06-17	16:39:33	562.00	5300.00	1.66	0.09	-0.07	5479.95	982111.01	0.16	2.394	5.488	8.042
8	Z-tem	2010-06-17	16:31:54	562.00	5300.00	0.97	0.09	-0.07	5479.25	982110.32	0.16	2.540	5.715	8.415
8	Z-tem	2010-06-17	16:25:44	562.00	5300.00	-2.60	0.09	-0.07	5475.69	982106.75	0.20	2.817	5.996	9.013
8	Z-tem	2010-06-17	16:20:40	562.00	5300.00	-4.98	0.09	-0.07	5473.31	982104.37	0.17	3.067	6.176	9.413
8	Z-tem	2010-06-17	16:13:49	562.00	5300.00	1.06	0.09	-0.07	5479.35	982110.41	0.24	3.219	5.556	9.015
8	Z-tem	2010-06-17	16:06:26	562.00	5300.00	6.45	0.09	-0.07	5484.73	982115.79	0.16	3.152	5.220	8.532
8	Z-tem	2010-06-17	16:00:22	562.00	5300.00	4.70	0.09	-0.07	5482.99	982114.05	0.18	3.317	5.302	8.799



Line	NIMA 1998 Theoretical	Elevation	UTM8 Northing	NAD83 Easting	Latitude	Longitude	BG @2.30	BG @2.50	BG @2.67
1	982238.31	722.30	7127041.16	517079.41	64.26903	-134.64742	205.17	199.20	194.12
1	982238.34	729.17	7127089.59	517091.74	64.26947	-134.64716	205.19	199.15	194.02
1	982238.37	733.80	7127135.63	517103.25	64.26988	-134.64692	205.29	199.21	194.04
1	982238.41	734.55	7127187.65	517116.33	64.27035	-134.64664	205.29	199.21	194.03
1	982238.44	735.11	7127239.96	517129.47	64.27081	-134.64636	205.35	199.26	194.09
1	982238.47	735.40	7127288.54	517143.13	64.27125	-134.64608	205.19	199.10	193.93
1	982238.50	735.01	7127337.42	517153.38	64.27169	-134.64586	205.36	199.27	194.10
1	982238.53	738.55	7127385.31	517165.69	64.27212	-134.64560	205.45	199.34	194.14
1	982238.56	740.82	7127434.27	517178.01	64.27256	-134.64534	205.49	199.35	194.13
1	982238.59	743.21	7127483.06	517189.20	64.27299	-134.64510	205.40	199.24	194.01
1	982238.62	744.69	7127531.36	517202.01	64.27343	-134.64483	205.32	199.15	193.91
1	982238.65	746.22	7127579.57	517213.71	64.27386	-134.64459	205.32	199.14	193.89
1	982238.68	747.88	7127628.72	517226.39	64.27430	-134.64432	205.18	198.98	193.72
1	982238.71	750.87	7127676.17	517237.40	64.27472	-134.64409	205.31	199.10	193.82
1	982238.74	759.89	7127723.46	517249.21	64.27515	-134.64384	205.40	199.11	193.76
1	982238.77	766.17	7127770.17	517260.33	64.27557	-134.64360	205.47	199.13	193.73
1	982238.80	772.55	7127818.08	517272.49	64.27600	-134.64334	205.45	199.06	193.62
1	982238.83	785.07	7127865.03	517284.12	64.27642	-134.64310	205.64	199.13	193.61
1	982238.86	790.62	7127912.40	517295.95	64.27684	-134.64285	205.67	199.12	193.55
1	982238.89	795.36	7127959.14	517309.06	64.27726	-134.64257	205.69	199.10	193.50
1	982238.92	803.20	7128006.54	517321.56	64.27768	-134.64231	205.68	199.03	193.37
1	982238.95	801.24	7128053.26	517333.29	64.27810	-134.64206	205.60	198.96	193.32
2	982238.30	726.78	7127024.90	516934.61	64.26889	-134.65041	205.29	199.27	194.16
2	982238.33	727.55	7127074.23	516949.07	64.26934	-134.65011	205.26	199.24	194.12
2	982238.37	732.99	7127125.19	516965.60	64.26979	-134.64976	205.40	199.33	194.17
2	982238.39	738.28	7127170.07	516978.19	64.27020	-134.64949	205.52	199.41	194.21
2	982238.43	739.59	7127227.75	516996.72	64.27071	-134.64911	205.51	199.38	194.17
2	982238.46	739.87	7127275.09	517011.19	64.27114	-134.64880	205.59	199.46	194.26
2	982238.49	740.69	7127321.86	517026.38	64.27156	-134.64848	205.60	199.46	194.25
2	982238.52	741.89	7127371.22	517041.40	64.27200	-134.64817	205.82	199.68	194.46
2	982238.55	742.76	7127419.71	517055.81	64.27243	-134.64786	205.91	199.76	194.53
2	982238.55	742.76	7127419.71	517055.81	64.27243	-134.64786	205.91	199.76	194.53
2	982238.58	745.77	7127464.69	517070.68	64.27283	-134.64755	205.82	199.64	194.39
2	982238.61	747.96	7127515.45	517085.70	64.27329	-134.64724	205.75	199.55	194.29
2	982238.64	753.02	7127561.29	517100.11	64.27370	-134.64693	205.78	199.54	194.24
2	982238.64	753.02	7127561.29	517100.11	64.27370	-134.64693	205.79	199.55	194.25
2	982238.67	751.55	7127610.33	517114.04	64.27414	-134.64664	205.57	199.35	194.07
2	982238.70	753.08	7127659.92	517126.68	64.27458	-134.64637	205.52	199.29	193.99
2	982238.73	757.10	7127706.79	517140.50	64.27500	-134.64608	205.53	199.26	193.94
2	982238.76	764.50	7127754.94	517151.85	64.27544	-134.64584	205.58	199.26	193.88
2	982238.79	770.77	7127802.62	517165.29	64.27586	-134.64556	205.54	199.16	193.74
2	982238.82	780.34	7127849.36	517177.60	64.27628	-134.64530	205.74	199.27	193.78
2	982238.85	786.55	7127896.64	517191.98	64.27670	-134.64500	205.87	199.35	193.81
2	982238.88	794.26	7127945.32	517206.62	64.27714	-134.64469	205.84	199.25	193.66
2	982238.91	804.93	7127992.25	517219.57	64.27756	-134.64442	205.97	199.30	193.63

Line	NIMA 1998 Theoretical	Elevation	UTM8 Northing	NAD83 Easting	Latitude	Longitude	BG @2.30	BG @2.50	BG @2.67
2	982238.94	807.82	7128041.91	517232.53	64.27801	-134.64414	205.89	199.20	193.51
2	982238.97	800.33	7128089.07	517248.11	64.27843	-134.64382	205.75	199.11	193.48
3	982238.32	729.35	7127055.70	516848.47	64.26918	-134.65219	205.32	199.28	194.15
3	982238.35	731.01	7127104.01	516862.24	64.26961	-134.65190	205.30	199.25	194.11
3	982238.39	734.87	7127154.09	516875.56	64.27006	-134.65162	205.41	199.33	194.16
3	982238.39	734.87	7127154.09	516875.56	64.27006	-134.65162	205.47	199.39	194.22
3	982238.42	740.64	7127202.79	516889.68	64.27049	-134.65132	205.52	199.39	194.17
3	982238.45	741.71	7127250.23	516906.08	64.27092	-134.65097	205.60	199.46	194.24
3	982238.48	743.42	7127299.78	516917.44	64.27136	-134.65073	205.62	199.46	194.23
3	982238.50	742.65	7127343.29	516930.86	64.27175	-134.65045	205.64	199.49	194.27
3	982238.54	744.76	7127392.26	516944.83	64.27219	-134.65016	205.77	199.61	194.37
3	982238.56	751.61	7127439.35	516959.74	64.27261	-134.64985	205.92	199.70	194.41
3	982238.59	759.59	7127486.99	516973.94	64.27304	-134.64955	206.06	199.77	194.42
3	982238.63	759.44	7127539.21	516989.52	64.27351	-134.64922	205.99	199.70	194.35
3	982238.66	761.00	7127585.63	517001.23	64.27392	-134.64897	205.98	199.67	194.32
3	982238.69	760.21	7127633.35	517014.68	64.27435	-134.64869	205.76	199.47	194.12
3	982238.72	763.93	7127680.32	517028.65	64.27477	-134.64839	205.88	199.57	194.20
3	982238.75	772.11	7127729.73	517041.37	64.27521	-134.64813	205.95	199.58	194.16
3	982238.78	780.07	7127774.96	517053.52	64.27562	-134.64787	206.03	199.58	194.11
3	982238.78	780.07	7127774.96	517053.52	64.27562	-134.64787	206.04	199.59	194.12
3	982238.80	795.13	7127821.30	517067.83	64.27603	-134.64757	206.29	199.72	194.13
3	982238.83	798.54	7127869.54	517080.75	64.27647	-134.64730	206.21	199.59	193.97
3	982238.86	795.88	7127917.01	517092.38	64.27689	-134.64705	206.17	199.58	193.97
3	982238.90	792.62	7127965.22	517105.13	64.27732	-134.64678	206.15	199.58	194.00
3	982238.92	795.73	7128011.97	517116.20	64.27774	-134.64655	206.09	199.49	193.88
3	982238.96	797.23	7128063.21	517128.83	64.27820	-134.64628	205.97	199.36	193.74
3	982238.99	799.01	7128110.39	517138.80	64.27863	-134.64607	205.68	199.05	193.42
4	982238.34	734.45	7127083.32	516759.93	64.26943	-134.65401	205.41	199.33	194.16
4	982238.37	738.59	7127128.70	516771.63	64.26983	-134.65376	205.34	199.23	194.03
4	982238.40	741.22	7127179.05	516785.85	64.27029	-134.65346	205.40	199.26	194.05
4	982238.43	742.03	7127228.30	516797.63	64.27073	-134.65322	205.46	199.32	194.10
4	982238.46	743.56	7127274.80	516812.70	64.27114	-134.65290	205.56	199.41	194.18
4	982238.49	745.26	7127324.28	516826.45	64.27159	-134.65261	205.63	199.46	194.22
4	982238.52	745.72	7127372.16	516840.76	64.27202	-134.65231	205.66	199.49	194.25
4	982238.55	753.68	7127419.19	516853.11	64.27244	-134.65205	206.05	199.81	194.51
4	982238.58	761.39	7127466.96	516866.07	64.27287	-134.65178	206.43	200.13	194.77
4	982238.61	765.79	7127512.07	516878.99	64.27327	-134.65150	206.58	200.24	194.86
4	982238.67	769.53	7127612.91	516905.29	64.27417	-134.65095	206.34	199.98	194.57
4	982238.71	772.61	7127674.40	516920.84	64.27472	-134.65062	206.28	199.91	194.49
4	982238.74	792.82	7127724.54	516935.11	64.27517	-134.65032	206.71	200.17	194.62
4	982238.78	806.40	7127782.93	516949.58	64.27570	-134.65002	206.87	200.22	194.57
4	982238.81	813.88	7127831.43	516961.82	64.27613	-134.64976	206.93	200.21	194.49
4	982238.84	817.32	7127880.67	516975.34	64.27657	-134.64947	206.77	200.01	194.26
4	982238.87	814.57	7127928.70	516987.95	64.27700	-134.64921	206.59	199.85	194.12
4	982238.90	807.12	7127972.34	517000.07	64.27739	-134.64895	206.43	199.75	194.07
4	982238.93	805.26	7128024.72	517014.62	64.27786	-134.64865	206.44	199.77	194.10
4	982238.97	807.49	7128079.57	517028.18	64.27835	-134.64836	206.26	199.57	193.89
4	982239.01	798.45	7128138.24	517044.94	64.27888	-134.64801	205.95	199.33	193.71
4	982239.04	799.76	7128192.20	517060.49	64.27936	-134.64768	205.80	199.17	193.53
5	982238.36	741.82	7127108.09	516702.30	64.26965	-134.65520	205.48	199.34	194.12
5	982238.36	741.82	7127108.09	516702.30	64.26965	-134.65520	205.52	199.37	194.15
5	982238.38	742.41	7127152.62	516710.82	64.27005	-134.65502	205.40	199.25	194.03
5	982238.41	744.39	7127199.55	516721.51	64.27047	-134.65479	205.42	199.25	194.02

Line	NIMA 1998 Theoretical	Elevation	UTM8 Northing	NAD83 Easting	Latitude	Longitude	BG @2.30	BG @2.50	BG @2.67
5	982238.45	745.09	7127248.91	516730.62	64.27092	-134.65460	205.41	199.24	194.00
5	982238.48	745.20	7127302.09	516742.03	64.27139	-134.65436	205.47	199.31	194.07
5	982238.51	746.25	7127345.88	516749.62	64.27178	-134.65419	205.48	199.31	194.07
5	982238.54	752.38	7127395.13	516759.54	64.27223	-134.65398	205.68	199.46	194.17
5	982238.57	761.19	7127445.61	516769.94	64.27268	-134.65376	206.09	199.80	194.45
5	982238.60	768.56	7127491.81	516779.65	64.27309	-134.65356	206.29	199.94	194.54
5	982238.63	781.89	7127539.89	516788.67	64.27352	-134.65337	206.63	200.17	194.68
5	982238.66	789.67	7127587.56	516795.93	64.27395	-134.65321	206.76	200.22	194.67
5	982238.69	779.69	7127635.04	516809.15	64.27438	-134.65293	206.54	200.09	194.61
5	982238.72	782.60	7127682.60	516820.28	64.27480	-134.65270	206.60	200.13	194.64
5	982238.74	799.46	7127728.05	516831.20	64.27521	-134.65247	206.93	200.33	194.73
5	982238.77	812.81	7127774.09	516841.83	64.27562	-134.65224	207.31	200.61	194.92
5	982238.80	822.85	7127823.40	516852.48	64.27606	-134.65202	207.33	200.54	194.77
5	982238.83	824.99	7127870.03	516862.65	64.27648	-134.65180	207.21	200.39	194.59
5	982238.86	827.96	7127919.78	516873.47	64.27693	-134.65157	207.23	200.38	194.56
5	982238.89	830.11	7127968.28	516883.46	64.27736	-134.65136	207.02	200.16	194.32
5	982238.93	826.99	7128016.92	516894.22	64.27780	-134.65113	207.06	200.22	194.40
5	982238.96	833.72	7128064.81	516905.44	64.27823	-134.65090	206.90	200.00	194.14
5	982238.99	834.39	7128117.32	516916.81	64.27870	-134.65065	206.80	199.90	194.03
5	982239.02	831.25	7128167.35	516930.70	64.27915	-134.65036	206.54	199.66	193.82
6	982238.37	746.99	7127127.24	516589.76	64.26983	-134.65752	205.72	199.54	194.28
6	982238.37	746.99	7127127.24	516589.76	64.26983	-134.65752	205.81	199.63	194.37
6	982238.40	746.65	7127177.12	516602.07	64.27028	-134.65726	205.76	199.58	194.33
6	982238.43	750.00	7127225.32	516613.79	64.27071	-134.65701	205.77	199.56	194.29
6	982238.46	753.12	7127272.64	516624.82	64.27113	-134.65678	205.90	199.66	194.37
6	982238.49	755.34	7127323.29	516637.10	64.27159	-134.65652	205.88	199.63	194.32
6	982238.52	759.78	7127372.37	516648.31	64.27203	-134.65628	205.92	199.64	194.30
6	982238.55	767.33	7127422.53	516660.72	64.27248	-134.65602	206.09	199.75	194.36
6	982238.58	774.30	7127467.42	516670.37	64.27288	-134.65582	206.24	199.84	194.41
6	982238.61	784.83	7127510.74	516681.11	64.27327	-134.65559	206.47	199.98	194.47
6	982238.64	791.10	7127560.01	516692.26	64.27371	-134.65535	206.66	200.11	194.55
6	982238.67	798.43	7127612.17	516704.93	64.27418	-134.65509	206.94	200.32	194.70
6	982238.70	790.06	7127659.13	516715.99	64.27460	-134.65485	206.89	200.35	194.80
6	982238.73	791.88	7127708.10	516728.47	64.27504	-134.65459	206.81	200.26	194.70
6	982238.76	813.91	7127761.19	516739.96	64.27551	-134.65435	207.25	200.54	194.83
6	982238.79	826.58	7127805.66	516751.93	64.27591	-134.65409	207.51	200.69	194.90
6	982238.82	836.07	7127847.04	516761.43	64.27628	-134.65389	207.59	200.70	194.84
6	982238.85	844.59	7127896.63	516773.51	64.27673	-134.65364	207.69	200.72	194.80
6	982238.88	846.23	7127953.41	516786.20	64.27723	-134.65337	207.64	200.66	194.72
6	982238.93	842.78	7128020.90	516802.14	64.27784	-134.65303	207.35	200.39	194.47
6	982238.96	836.81	7128068.75	516813.48	64.27827	-134.65279	207.35	200.43	194.55
6	982238.99	841.91	7128117.81	516823.91	64.27871	-134.65257	207.35	200.39	194.47
6	982239.02	844.61	7128165.13	516835.40	64.27913	-134.65233	207.13	200.15	194.21
6	982239.05	836.54	7128214.08	516845.74	64.27957	-134.65211	206.94	200.01	194.13
7	982238.38	762.45	7127156.01	516500.80	64.27009	-134.65935	206.22	199.91	194.54
7	982238.41	763.12	7127202.45	516510.90	64.27051	-134.65914	206.43	200.11	194.73
7	982238.45	764.86	7127252.95	516523.29	64.27096	-134.65888	206.27	199.94	194.56
7	982238.48	766.97	7127305.97	516534.81	64.27144	-134.65863	206.34	200.00	194.61
7	982238.51	770.34	7127353.69	516546.36	64.27186	-134.65839	206.37	200.00	194.59
7	982238.54	776.39	7127398.78	516556.08	64.27227	-134.65818	206.51	200.10	194.65
7	982238.57	784.47	7127446.46	516567.81	64.27270	-134.65794	206.59	200.11	194.60
7	982238.60	795.71	7127494.24	516578.28	64.27312	-134.65771	206.70	200.12	194.53
7	982238.63	804.93	7127540.91	516588.89	64.27354	-134.65749	206.91	200.25	194.60

Line	NIMA 1998 Theoretical	Elevation	UTM8 Northing	NAD83 Easting	Latitude	Longitude	BG @2.30	BG @2.50	BG @2.67
7	982238.66	802.36	7127591.14	516600.62	64.27399	-134.65724	206.85	200.22	194.58
7	982238.69	814.62	7127635.71	516610.75	64.27439	-134.65703	207.20	200.46	194.74
7	982238.72	804.55	7127685.65	516621.81	64.27484	-134.65679	207.17	200.51	194.85
7	982238.75	801.49	7127730.36	516632.69	64.27524	-134.65656	207.08	200.44	194.81
7	982238.78	811.29	7127778.04	516645.51	64.27567	-134.65629	207.11	200.40	194.69
7	982238.80	826.54	7127819.72	516655.69	64.27604	-134.65608	207.54	200.71	194.91
7	982238.83	843.77	7127868.67	516668.39	64.27648	-134.65581	207.81	200.85	194.93
7	982238.86	850.95	7127915.25	516680.31	64.27690	-134.65556	207.95	200.93	194.96
7	982238.89	851.64	7127965.21	516693.13	64.27734	-134.65529	207.85	200.83	194.85
7	982238.92	853.56	7128011.45	516705.96	64.27776	-134.65502	207.71	200.67	194.68
7	982238.95	850.17	7128058.50	516717.31	64.27818	-134.65478	207.62	200.59	194.62
7	982238.98	840.11	7128101.25	516727.99	64.27856	-134.65456	207.55	200.61	194.70
1	982232.75	1313.29	7118491.57	528304.91	64.19157	-134.41731	201.88	191.47	182.62
1	982232.77	1314.67	7118521.07	528340.70	64.19184	-134.41657	201.95	191.54	182.69
1	982232.80	1313.55	7118563.38	528377.72	64.19221	-134.41580	201.77	191.38	182.54
1	982232.82	1315.97	7118593.11	528412.57	64.19248	-134.41508	201.68	191.26	182.41
1	982232.83	1318.04	7118618.80	528454.34	64.19270	-134.41421	201.48	191.03	182.16
1	982232.85	1315.57	7118649.38	528494.11	64.19297	-134.41339	200.98	190.52	181.64
1	982232.88	1318.87	7118689.17	528529.94	64.19333	-134.41264	200.89	190.41	181.50
1	982232.90	1320.47	7118721.81	528572.01	64.19362	-134.41177	200.83	190.33	181.41
1	982232.91	1321.35	7118749.00	528608.20	64.19386	-134.41102	200.60	190.09	181.16
1	982232.93	1341.38	7118775.34	528645.15	64.19409	-134.41026	200.77	190.10	181.04
1	982232.95	1360.04	7118814.84	528683.26	64.19444	-134.40946	200.94	190.14	180.95
1	982232.97	1374.51	7118849.16	528721.61	64.19475	-134.40867	200.96	190.05	180.78
1	982232.99	1390.92	7118880.38	528759.75	64.19503	-134.40788	200.73	189.69	180.31
1	982233.01	1396.66	7118918.42	528792.82	64.19536	-134.40719	200.51	189.41	179.98
1	982233.03	1422.09	7118948.76	528834.28	64.19563	-134.40633	200.25	188.97	179.39
1	982233.05	1446.87	7118983.41	528868.57	64.19594	-134.40562	200.38	188.95	179.23
1	982233.07	1479.19	7119021.29	528909.92	64.19628	-134.40476	200.34	188.71	178.82
1	982233.09	1492.97	7119048.66	528947.62	64.19652	-134.40398	200.86	189.15	179.19
1	982233.11	1516.02	7119080.32	528985.01	64.19680	-134.40320	201.11	189.26	179.19
1	982233.12	1530.10	7119112.43	529022.83	64.19709	-134.40241	201.44	189.51	179.37
1	982233.14	1545.14	7119142.24	529059.68	64.19735	-134.40165	201.83	189.83	179.63
2	982232.81	1255.83	7118568.92	528236.34	64.19227	-134.41871	201.17	191.15	182.63
2	982232.83	1253.97	7118602.45	528272.20	64.19257	-134.41797	201.08	191.09	182.60
2	982232.84	1258.75	7118628.22	528314.32	64.19280	-134.41709	201.20	191.19	182.69
2	982232.87	1259.27	7118663.50	528352.93	64.19311	-134.41629	201.19	191.19	182.69
2	982232.89	1256.10	7118697.32	528387.47	64.19341	-134.41557	201.05	191.09	182.63
2	982232.91	1246.40	7118730.83	528425.34	64.19371	-134.41479	200.82	190.96	182.58
2	982232.94	1249.59	7118771.51	528456.18	64.19407	-134.41415	200.88	191.00	182.61
2	982232.95	1248.82	7118794.34	528494.70	64.19428	-134.41335	200.64	190.78	182.40
2	982232.96	1268.62	7118818.15	528548.05	64.19448	-134.41225	200.35	190.31	181.78
2	982232.98	1292.43	7118848.34	528588.98	64.19475	-134.41140	200.42	190.17	181.45
2	982233.00	1310.64	7118885.02	528619.33	64.19508	-134.41077	200.69	190.28	181.43
2	982233.02	1321.23	7118918.21	528654.43	64.19537	-134.41004	200.70	190.22	181.32
2	982233.04	1336.61	7118956.21	528691.70	64.19571	-134.40926	200.40	189.79	180.77
2	982233.04	1336.61	7118956.21	528691.70	64.19571	-134.40926	200.49	189.88	180.86
2	982233.07	1358.63	7118994.57	528729.30	64.19605	-134.40848	200.43	189.64	180.47
2	982233.08	1381.92	7119021.96	528770.70	64.19629	-134.40762	200.31	189.34	180.00
2	982233.10	1407.92	7119056.55	528806.61	64.19660	-134.40688	200.30	189.12	179.62
2	982233.12	1432.30	7119088.17	528845.06	64.19688	-134.40608	200.52	189.17	179.52
2	982233.14	1466.14	7119120.39	528884.06	64.19717	-134.40527	200.89	189.32	179.49
2	982233.16	1471.88	7119152.10	528922.31	64.19745	-134.40448	201.17	189.58	179.73

Line	NIMA 1998 Theoretical	Elevation	UTM8 Northing	NAD83 Easting	Latitude	Longitude	BG @2.30	BG @2.50	BG @2.67
2	982233.18	1479.68	7119185.98	528960.94	64.19775	-134.40368	201.57	189.96	180.09
2	982233.19	1490.17	7119216.91	528998.21	64.19802	-134.40290	201.73	190.07	180.16
3	982232.85	1202.69	7118634.45	528169.02	64.19287	-134.42008	200.35	190.77	182.63
3	982232.88	1194.02	7118668.59	528206.63	64.19317	-134.41930	200.36	190.89	182.84
3	982232.90	1197.13	7118697.73	528246.97	64.19343	-134.41847	200.50	191.02	182.96
3	982232.92	1195.09	7118733.73	528277.71	64.19375	-134.41783	200.38	190.94	182.91
3	982232.94	1200.60	7118763.49	528326.26	64.19401	-134.41682	200.48	191.02	182.98
3	982232.97	1183.86	7118817.46	528360.58	64.19449	-134.41611	199.95	190.68	182.80
3	982232.98	1194.88	7118829.71	528399.76	64.19460	-134.41530	200.15	190.80	182.85
3	982233.00	1210.01	7118862.29	528440.84	64.19489	-134.41444	200.64	191.18	183.13
3	982233.02	1229.23	7118895.10	528474.20	64.19518	-134.41375	201.02	191.39	183.20
3	982233.03	1246.32	7118925.79	528514.39	64.19545	-134.41292	200.46	190.65	182.32
3	982233.05	1260.99	7118959.67	528553.26	64.19575	-134.41211	200.16	190.22	181.77
3	982233.05	1260.99	7118959.67	528553.26	64.19575	-134.41211	200.17	190.22	181.77
3	982233.08	1277.34	7119000.05	528594.09	64.19611	-134.41126	200.42	190.33	181.75
3	982233.08	1277.34	7119000.05	528594.09	64.19611	-134.41126	200.42	190.33	181.75
3	982233.09	1301.58	7119027.23	528627.76	64.19635	-134.41057	200.49	190.18	181.42
3	982233.11	1329.16	7119057.98	528663.66	64.19663	-134.40982	200.46	189.92	180.96
3	982233.13	1360.36	7119091.30	528700.70	64.19692	-134.40905	200.52	189.71	180.53
3	982233.15	1389.73	7119123.59	528741.72	64.19721	-134.40820	200.66	189.61	180.22
3	982233.17	1408.47	7119158.41	528777.71	64.19752	-134.40745	200.77	189.59	180.08
3	982233.19	1410.95	7119189.41	528812.10	64.19779	-134.40674	200.87	189.68	180.17
3	982233.21	1414.06	7119223.84	528860.22	64.19810	-134.40574	200.77	189.61	180.12
3	982233.23	1440.67	7119256.96	528889.51	64.19839	-134.40513	201.23	189.88	180.23
3	982233.23	1440.67	7119256.96	528889.51	64.19839	-134.40513	201.23	189.88	180.23
3	982233.25	1472.70	7119292.20	528926.70	64.19871	-134.40436	201.40	189.83	180.00
4	982232.90	1163.02	7118705.07	528107.38	64.19351	-134.42134	200.00	190.77	182.92
4	982232.93	1155.05	7118747.49	528148.35	64.19388	-134.42049	199.62	190.50	182.75
4	982232.95	1155.67	7118775.82	528185.34	64.19413	-134.41972	199.57	190.47	182.75
4	982232.95	1155.67	7118775.82	528185.34	64.19413	-134.41972	199.60	190.51	182.78
4	982232.97	1157.64	7118810.95	528225.36	64.19445	-134.41889	199.58	190.50	182.78
4	982233.00	1171.40	7118852.01	528250.39	64.19481	-134.41837	199.97	190.79	182.99
4	982233.02	1202.97	7118898.35	528278.14	64.19523	-134.41779	200.71	191.25	183.20
4	982233.03	1211.90	7118908.85	528334.54	64.19532	-134.41662	200.83	191.29	183.18
4	982233.04	1218.17	7118933.08	528379.38	64.19553	-134.41570	201.05	191.47	183.33
4	982233.07	1219.77	7118970.85	528414.17	64.19587	-134.41497	200.72	191.14	183.00
4	982233.09	1218.57	7119003.55	528454.47	64.19616	-134.41414	200.00	190.44	182.31
4	982233.11	1231.37	7119036.00	528490.93	64.19644	-134.41338	200.28	190.60	182.38
4	982233.11	1231.37	7119036.00	528490.93	64.19644	-134.41338	200.29	190.62	182.40
4	982233.12	1254.65	7119068.38	528529.71	64.19673	-134.41258	200.56	190.67	182.26
4	982233.14	1275.74	7119098.63	528564.06	64.19700	-134.41186	200.35	190.26	181.69
4	982233.16	1306.12	7119132.49	528604.63	64.19730	-134.41102	200.43	190.08	181.29
4	982233.18	1336.79	7119162.10	528651.52	64.19756	-134.41005	200.30	189.69	180.66
4	982233.19	1354.10	7119194.27	528683.98	64.19785	-134.40938	200.42	189.66	180.51
4	982233.22	1349.89	7119236.10	528714.96	64.19822	-134.40873	200.25	189.57	180.49
4	982233.24	1373.11	7119272.99	528746.42	64.19855	-134.40808	200.68	189.84	180.63
4	982233.26	1405.70	7119309.31	528785.06	64.19887	-134.40727	201.16	190.07	180.65
4	982233.28	1434.96	7119332.96	528827.16	64.19908	-134.40640	201.16	189.85	180.23
4	982233.29	1470.99	7119363.59	528870.81	64.19935	-134.40550	201.35	189.78	179.94
5	982232.96	1133.30	7118790.81	528043.20	64.19428	-134.42264	199.77	190.85	183.28
5	982232.98	1139.58	7118826.26	528082.95	64.19460	-134.42182	199.84	190.93	183.36
5	982233.00	1165.61	7118861.49	528119.45	64.19491	-134.42106	200.22	191.09	183.32
5	982233.02	1190.55	7118893.50	528156.50	64.19519	-134.42029	200.81	191.46	183.51

Line	NIMA 1998 Theoretical	Elevation	UTM8 Northing	NAD83 Easting	Latitude	Longitude	BG @2.30	BG @2.50	BG @2.67
5	982233.04	1209.90	7118922.24	528198.32	64.19545	-134.41943	201.00	191.48	183.38
5	982233.06	1234.40	7118959.35	528237.52	64.19578	-134.41861	201.14	191.39	183.10
5	982233.08	1256.29	7118993.99	528268.33	64.19609	-134.41797	201.40	191.46	183.00
5	982233.09	1267.32	7119016.50	528309.56	64.19628	-134.41712	201.48	191.43	182.89
5	982233.12	1268.12	7119054.15	528348.44	64.19662	-134.41631	201.36	191.31	182.77
5	982233.13	1256.99	7119074.00	528384.01	64.19679	-134.41557	200.96	191.02	182.57
5	982233.15	1255.63	7119114.09	528424.33	64.19715	-134.41474	201.01	191.10	182.68
5	982233.18	1264.38	7119148.53	528461.27	64.19746	-134.41397	201.37	191.39	182.91
5	982233.19	1267.49	7119176.98	528501.68	64.19771	-134.41313	200.83	190.85	182.37
5	982233.21	1276.71	7119210.38	528536.39	64.19800	-134.41241	200.28	190.24	181.71
5	982233.23	1293.88	7119239.88	528587.82	64.19827	-134.41135	199.93	189.75	181.10
5	982233.25	1318.86	7119273.93	528621.53	64.19857	-134.41065	200.21	189.83	180.99
5	982233.27	1344.54	7119315.56	528656.00	64.19894	-134.40993	200.78	190.21	181.23
5	982233.29	1368.85	7119346.60	528693.01	64.19921	-134.40916	201.24	190.49	181.36
5	982233.30	1397.03	7119373.31	528731.85	64.19945	-134.40836	201.43	190.45	181.12
5	982233.33	1428.73	7119410.67	528768.97	64.19978	-134.40758	201.52	190.30	180.75
5	982233.34	1465.60	7119442.85	528811.39	64.20007	-134.40670	201.75	190.24	180.45
6	982233.01	1147.52	7118872.27	527966.47	64.19502	-134.42421	200.62	191.61	183.96
6	982233.03	1169.08	7118895.22	528015.03	64.19522	-134.42320	200.91	191.73	183.93
6	982233.05	1195.96	7118930.75	528045.45	64.19554	-134.42257	201.12	191.73	183.74
6	982233.06	1220.93	7118957.14	528089.04	64.19577	-134.42167	201.34	191.73	183.57
6	982233.08	1252.38	7118998.64	528119.18	64.19614	-134.42104	201.70	191.83	183.45
6	982233.10	1274.73	7119027.69	528162.61	64.19640	-134.42014	201.93	191.88	183.33
6	982233.12	1294.28	7119056.82	528197.05	64.19665	-134.41943	202.26	192.05	183.37
6	982233.14	1315.79	7119091.58	528236.66	64.19696	-134.41861	202.37	191.98	183.15
6	982233.15	1317.18	7119121.06	528279.44	64.19722	-134.41772	202.18	191.76	182.89
6	982233.17	1303.25	7119150.62	528317.18	64.19749	-134.41694	201.87	191.55	182.77
6	982233.20	1287.98	7119185.92	528355.49	64.19780	-134.41614	200.92	190.73	182.07
6	982233.22	1298.12	7119219.69	528392.41	64.19810	-134.41537	200.77	190.50	181.78
6	982233.24	1314.01	7119252.31	528430.55	64.19839	-134.41458	200.81	190.44	181.61
6	982233.26	1330.54	7119287.72	528467.15	64.19870	-134.41382	201.19	190.70	181.78
6	982233.28	1331.89	7119319.11	528500.80	64.19898	-134.41312	201.21	190.74	181.84
6	982233.29	1341.53	7119345.33	528545.21	64.19922	-134.41220	201.33	190.80	181.84
6	982233.32	1373.07	7119384.57	528583.21	64.19956	-134.41141	201.72	190.93	181.76
6	982233.34	1402.24	7119421.65	528617.18	64.19989	-134.41071	202.04	191.02	181.65
6	982233.35	1421.93	7119446.38	528653.18	64.20011	-134.40996	202.20	191.03	181.54
6	982233.37	1446.57	7119477.92	528695.33	64.20039	-134.40909	202.27	190.92	181.28
6	982233.39	1477.21	7119515.91	528733.10	64.20073	-134.40830	202.41	190.83	180.98
7	982233.05	1171.96	7118926.46	527911.50	64.19551	-134.42533	201.14	191.93	184.10
7	982233.07	1191.58	7118963.73	527948.06	64.19584	-134.42457	201.23	191.87	183.90
7	982233.08	1206.87	7118993.24	527990.02	64.19610	-134.42370	201.15	191.66	183.60
7	982233.11	1236.56	7119032.27	528028.92	64.19645	-134.42289	201.62	191.90	183.64
7	982233.13	1273.20	7119073.94	528057.73	64.19682	-134.42229	202.11	192.09	183.58
7	982233.14	1308.15	7119101.70	528100.58	64.19707	-134.42141	202.56	192.27	183.51
7	982233.16	1339.14	7119133.60	528138.11	64.19735	-134.42063	202.78	192.25	183.29
7	982233.18	1365.57	7119164.38	528175.03	64.19762	-134.41986	202.65	191.91	182.78
7	982233.19	1355.08	7119190.11	528210.94	64.19785	-134.41912	202.85	192.14	183.04
7	982233.21	1345.65	7119213.75	528237.92	64.19806	-134.41856	202.55	191.91	182.86
7	982233.23	1334.03	7119245.75	528278.52	64.19834	-134.41771	201.71	191.16	182.19
7	982233.27	1345.34	7119300.29	528326.09	64.19883	-134.41672	201.46	190.86	181.85
7	982233.28	1361.89	7119330.52	528350.25	64.19910	-134.41622	201.68	190.98	181.89
7	982233.30	1384.04	7119362.68	528402.65	64.19938	-134.41514	202.16	191.29	182.04
7	982233.32	1402.54	7119394.50	528432.86	64.19967	-134.41451	202.16	191.14	181.76

Line	NIMA 1998 Theoretical	Elevation	UTM8 Northing	NAD83 Easting	Latitude	Longitude	BG @2.30	BG @2.50	BG @2.67
7	982233.34	1397.73	7119432.68	528473.53	64.20000	-134.41366	202.01	191.02	181.68
7	982233.37	1390.09	7119464.64	528518.02	64.20029	-134.41274	201.49	190.58	181.31
7	982233.38	1418.20	7119496.69	528553.59	64.20057	-134.41200	202.00	190.87	181.40
7	982233.40	1455.53	7119531.16	528595.92	64.20088	-134.41112	202.42	191.00	181.29
7	982233.42	1485.23	7119560.34	528633.15	64.20114	-134.41035	202.68	191.04	181.15
7	982233.43	1518.98	7119592.72	528667.52	64.20142	-134.40964	202.87	190.99	180.88
1	982234.54	1562.96	7121301.51	525492.52	64.21701	-134.47473	211.50	199.27	188.87
1	982234.56	1531.37	7121326.89	525535.09	64.21723	-134.47385	210.96	198.91	188.66
1	982234.59	1491.36	7121369.76	525570.69	64.21761	-134.47311	210.23	198.44	188.42
1	982234.61	1461.09	7121400.15	525604.09	64.21788	-134.47241	209.77	198.21	188.38
1	982234.63	1427.51	7121425.65	525649.74	64.21811	-134.47147	209.57	198.29	188.70
1	982234.65	1407.85	7121461.52	525687.81	64.21843	-134.47068	209.47	198.35	188.90
1	982234.68	1392.31	7121494.33	525722.25	64.21872	-134.46996	209.19	198.18	188.82
1	982234.70	1377.76	7121525.74	525760.83	64.21900	-134.46916	208.79	197.87	188.58
1	982234.71	1373.11	7121553.28	525803.37	64.21924	-134.46828	208.67	197.76	188.49
1	982234.74	1371.81	7121592.21	525836.81	64.21959	-134.46758	208.59	197.67	188.39
1	982234.76	1355.72	7121622.86	525877.46	64.21986	-134.46674	208.24	197.44	188.26
1	982234.78	1339.13	7121655.14	525916.36	64.22015	-134.46593	207.92	197.25	188.19
1	982234.80	1325.31	7121686.59	525952.83	64.22043	-134.46518	207.61	197.05	188.08
1	982234.82	1311.02	7121718.11	525991.54	64.22071	-134.46437	207.31	196.88	188.01
1	982234.85	1295.11	7121748.63	526031.03	64.22098	-134.46356	206.85	196.55	187.80
1	982234.87	1274.54	7121784.49	526067.20	64.22130	-134.46280	206.07	195.95	187.34
1	982234.89	1268.97	7121810.27	526107.70	64.22153	-134.46196	205.90	195.81	187.24
1	982234.91	1263.21	7121849.40	526139.90	64.22188	-134.46129	205.67	195.62	187.09
1	982234.91	1263.21	7121849.40	526139.90	64.22188	-134.46129	205.67	195.62	187.09
1	982234.93	1267.03	7121879.60	526182.94	64.22214	-134.46040	205.79	195.71	187.14
1	982234.95	1267.25	7121916.80	526222.72	64.22247	-134.45958	205.86	195.80	187.24
1	982234.95	1267.25	7121916.80	526222.72	64.22247	-134.45958	205.87	195.80	187.24
1	982234.97	1267.09	7121945.40	526260.96	64.22273	-134.45878	205.60	195.54	186.98
2	982234.59	1567.52	7121383.10	525430.69	64.21774	-134.47599	211.91	199.68	189.29
2	982234.64	1505.32	7121447.36	525498.05	64.21832	-134.47459	210.55	198.70	188.63
2	982234.66	1491.38	7121477.86	525534.26	64.21859	-134.47384	210.32	198.56	188.57
2	982234.68	1479.21	7121512.99	525570.67	64.21890	-134.47308	210.09	198.42	188.50
2	982234.70	1459.14	7121540.01	525610.80	64.21914	-134.47225	209.90	198.38	188.59
2	982234.72	1442.55	7121573.74	525647.09	64.21944	-134.47150	209.81	198.41	188.72
2	982234.75	1434.26	7121609.14	525687.81	64.21975	-134.47065	209.85	198.50	188.86
2	982234.77	1427.63	7121642.69	525721.17	64.22005	-134.46996	209.75	198.45	188.85
2	982234.79	1412.31	7121672.43	525757.89	64.22032	-134.46920	209.43	198.25	188.73
2	982234.81	1391.67	7121701.91	525800.32	64.22058	-134.46832	209.01	197.97	188.59
2	982234.83	1369.24	7121737.99	525843.64	64.22090	-134.46742	208.44	197.56	188.30
2	982234.85	1351.04	7121770.36	525877.79	64.22119	-134.46671	208.19	197.44	188.31
2	982234.88	1333.38	7121802.53	525911.53	64.22147	-134.46601	208.01	197.41	188.41
2	982234.90	1312.78	7121831.56	525952.03	64.22173	-134.46517	207.55	197.11	188.24
2	982234.92	1291.65	7121865.57	525990.50	64.22203	-134.46437	207.20	196.93	188.20
2	982234.94	1289.23	7121897.06	526028.52	64.22231	-134.46358	206.99	196.74	188.02
2	982234.96	1268.06	7121927.24	526067.81	64.22258	-134.46277	206.54	196.46	187.89
2	982234.98	1255.94	7121960.79	526109.20	64.22288	-134.46191	206.03	196.06	187.59
2	982235.01	1233.90	7121996.15	526148.47	64.22319	-134.46109	205.31	195.54	187.24
2	982235.03	1249.78	7122026.81	526185.08	64.22346	-134.46033	205.84	195.93	187.50
2	982235.03	1249.78	7122026.81	526185.08	64.22346	-134.46033	205.84	195.93	187.51
3	982234.63	1598.58	7121446.74	525362.34	64.21832	-134.47739	212.58	200.22	189.72
3	982234.65	1579.11	7121480.57	525400.84	64.21862	-134.47659	212.19	199.94	189.53
3	982234.67	1564.10	7121510.79	525437.32	64.21889	-134.47583	211.61	199.42	189.05

Line	NIMA 1998 Theoretical	Elevation	UTM8 Northing	NAD83 Easting	Latitude	Longitude	BG @2.30	BG @2.50	BG @2.67
3	982234.67	1564.10	7121510.79	525437.32	64.21889	-134.47583	211.62	199.43	189.07
3	982234.69	1548.52	7121538.00	525474.77	64.21913	-134.47505	211.12	199.01	188.71
3	982234.71	1531.19	7121573.26	525514.73	64.21945	-134.47422	210.81	198.80	188.59
3	982234.74	1508.19	7121613.30	525554.39	64.21980	-134.47340	210.62	198.76	188.68
3	982234.76	1488.64	7121639.06	525593.28	64.22003	-134.47259	210.27	198.54	188.58
3	982234.78	1475.96	7121671.41	525630.08	64.22032	-134.47183	210.22	198.59	188.70
3	982234.80	1466.63	7121706.86	525667.73	64.22063	-134.47105	210.14	198.58	188.76
3	982234.83	1450.29	7121736.86	525704.61	64.22090	-134.47028	209.77	198.34	188.62
3	982234.85	1424.37	7121766.17	525746.05	64.22116	-134.46943	209.38	198.14	188.58
3	982234.87	1398.67	7121805.85	525783.53	64.22151	-134.46865	209.01	197.96	188.56
3	982234.89	1380.55	7121832.59	525817.50	64.22175	-134.46794	208.55	197.62	188.33
3	982234.92	1344.82	7121867.86	525862.12	64.22206	-134.46702	207.99	197.33	188.26
3	982234.94	1319.89	7121897.45	525898.26	64.22233	-134.46627	207.75	197.28	188.38
3	982234.96	1296.49	7121925.49	525944.11	64.22257	-134.46532	207.39	197.11	188.37
3	982234.98	1272.65	7121961.99	525976.11	64.22290	-134.46465	206.94	196.86	188.29
3	982235.01	1256.34	7121997.82	526013.60	64.22322	-134.46387	206.43	196.48	188.02
3	982235.03	1238.98	7122030.82	526047.35	64.22351	-134.46317	205.87	196.06	187.72
3	982235.05	1221.21	7122057.32	526090.82	64.22375	-134.46227	205.05	195.40	187.19
3	982235.07	1220.41	7122090.34	526129.00	64.22404	-134.46148	205.07	195.41	187.20
3	982235.07	1220.41	7122090.34	526129.00	64.22404	-134.46148	205.08	195.42	187.21
4	982234.68	1662.80	7121528.85	525298.32	64.21906	-134.47869	212.88	200.18	189.39
4	982234.70	1642.96	7121560.62	525336.60	64.21934	-134.47790	212.75	200.16	189.46
4	982234.72	1618.90	7121591.38	525374.55	64.21962	-134.47711	212.59	200.13	189.54
4	982234.72	1618.90	7121591.38	525374.55	64.21962	-134.47711	212.61	200.15	189.56
4	982234.74	1592.08	7121626.93	525414.87	64.21993	-134.47627	212.11	199.79	189.32
4	982234.77	1571.72	7121658.94	525451.04	64.22022	-134.47552	211.74	199.53	189.16
4	982234.79	1554.89	7121691.15	525489.09	64.22050	-134.47473	211.37	199.25	188.95
4	982234.81	1540.91	7121719.81	525529.59	64.22076	-134.47389	211.11	199.09	188.87
4	982234.83	1530.32	7121748.79	525567.48	64.22102	-134.47311	210.85	198.91	188.75
4	982234.85	1510.20	7121785.24	525604.40	64.22134	-134.47234	210.34	198.53	188.49
4	982234.88	1482.38	7121819.24	525642.59	64.22164	-134.47155	210.07	198.45	188.57
4	982234.90	1453.44	7121847.72	525681.33	64.22190	-134.47074	209.63	198.20	188.49
4	982234.92	1427.10	7121883.62	525718.12	64.22221	-134.46998	209.11	197.87	188.32
4	982234.94	1392.05	7121914.85	525757.47	64.22249	-134.46916	208.71	197.73	188.39
4	982234.97	1358.10	7121945.84	525797.54	64.22277	-134.46833	208.43	197.71	188.59
4	982234.99	1329.94	7121975.79	525835.05	64.22303	-134.46756	208.18	197.68	188.75
4	982235.01	1307.30	7122007.04	525873.69	64.22331	-134.46675	207.91	197.59	188.82
4	982235.04	1281.40	7122043.74	525912.00	64.22364	-134.46596	207.40	197.29	188.70
4	982235.06	1257.71	7122075.34	525950.57	64.22392	-134.46516	206.76	196.85	188.41
4	982235.08	1234.07	7122104.73	525990.91	64.22418	-134.46432	206.05	196.32	188.04
4	982235.10	1217.04	7122133.51	526030.81	64.22443	-134.46349	205.31	195.70	187.53
4	982235.13	1201.76	7122175.65	526061.39	64.22481	-134.46286	204.49	194.98	186.91
4	982235.13	1201.76	7122175.65	526061.39	64.22481	-134.46286	204.54	195.04	186.96
5	982234.72	1708.24	7121603.46	525232.31	64.21974	-134.48004	213.51	200.63	189.67
5	982234.74	1683.86	7121640.09	525273.02	64.22006	-134.47919	213.38	200.62	189.77
5	982234.74	1683.86	7121640.09	525273.02	64.22006	-134.47919	213.41	200.65	189.80
5	982234.76	1666.39	7121668.72	525305.07	64.22032	-134.47853	213.00	200.32	189.54
5	982234.79	1644.23	7121703.42	525346.66	64.22063	-134.47767	212.55	199.98	189.28
5	982234.81	1622.73	7121730.48	525387.36	64.22087	-134.47682	212.23	199.77	189.18
5	982234.83	1610.03	7121763.02	525426.94	64.22115	-134.47600	211.63	199.23	188.69
5	982234.85	1591.16	7121792.19	525462.89	64.22141	-134.47526	211.03	198.73	188.27
5	982234.87	1560.05	7121827.46	525499.72	64.22173	-134.47449	210.64	198.51	188.21
5	982234.90	1528.08	7121858.01	525539.96	64.22200	-134.47366	210.55	198.63	188.50

Line	NIMA 1998 Theoretical	Elevation	UTM8 Northing	NAD83 Easting	Latitude	Longitude	BG @2.30	BG @2.50	BG @2.67
5	982234.92	1500.62	7121891.26	525573.97	64.22229	-134.47295	210.48	198.76	188.80
5	982234.94	1464.14	7121922.19	525621.35	64.22257	-134.47197	210.04	198.57	188.83
5	982234.97	1432.72	7121958.21	525651.22	64.22289	-134.47135	209.64	198.39	188.84
5	982234.99	1399.98	7121987.71	525695.57	64.22315	-134.47043	209.15	198.13	188.77
5	982235.01	1369.37	7122022.15	525730.25	64.22346	-134.46971	208.80	198.01	188.84
5	982235.04	1340.31	7122055.40	525770.71	64.22375	-134.46887	208.36	197.78	188.78
5	982235.06	1313.12	7122080.50	525816.08	64.22397	-134.46793	207.73	197.35	188.52
5	982235.09	1286.86	7122122.57	525852.50	64.22435	-134.46717	207.35	197.18	188.54
5	982235.11	1267.16	7122151.09	525888.37	64.22460	-134.46643	206.98	196.98	188.48
5	982235.13	1239.22	7122180.19	525922.63	64.22486	-134.46571	206.24	196.49	188.19
5	982235.15	1223.47	7122216.22	525962.89	64.22518	-134.46488	206.14	196.52	188.34
5	982235.17	1205.89	7122246.55	526002.25	64.22545	-134.46406	205.23	195.72	187.64
6	982234.76	1756.22	7121676.22	525162.90	64.22039	-134.48146	213.31	200.23	189.12
6	982234.76	1756.22	7121676.22	525162.90	64.22039	-134.48146	213.32	200.24	189.13
6	982234.78	1742.65	7121708.69	525200.20	64.22068	-134.48068	213.29	200.32	189.29
6	982234.81	1708.47	7121743.02	525238.88	64.22099	-134.47988	213.24	200.42	189.53
6	982234.83	1674.99	7121771.28	525276.19	64.22124	-134.47911	212.76	200.06	189.26
6	982234.85	1640.82	7121802.83	525317.54	64.22152	-134.47825	212.30	199.75	189.09
6	982234.88	1610.90	7121837.05	525352.87	64.22182	-134.47752	212.28	199.92	189.41
6	982234.90	1581.32	7121866.91	525395.26	64.22209	-134.47664	212.05	199.86	189.51
6	982234.93	1545.11	7121906.79	525424.60	64.22244	-134.47603	211.57	199.59	189.42
6	982234.95	1505.61	7121940.26	525476.79	64.22274	-134.47494	210.73	198.99	189.01
6	982234.97	1478.03	7121964.81	525509.63	64.22296	-134.47426	210.48	198.93	189.12
6	982234.99	1444.08	7121994.80	525549.00	64.22323	-134.47345	210.30	199.01	189.42
6	982235.01	1420.75	7122016.15	525591.90	64.22341	-134.47256	210.06	198.95	189.50
6	982235.03	1391.52	7122055.94	525623.01	64.22377	-134.47191	209.46	198.56	189.30
6	982235.06	1364.77	7122091.97	525663.84	64.22409	-134.47106	208.57	197.83	188.71
6	982235.08	1345.07	7122120.98	525701.96	64.22435	-134.47027	208.15	197.54	188.53
6	982235.10	1326.24	7122156.48	525741.20	64.22466	-134.46946	207.75	197.28	188.38
6	982235.13	1304.29	7122187.08	525782.11	64.22493	-134.46861	207.52	197.22	188.47
6	982235.15	1290.05	7122228.59	525815.80	64.22530	-134.46791	207.36	197.17	188.52
6	982235.17	1270.97	7122253.26	525854.01	64.22552	-134.46712	206.94	196.90	188.37
6	982235.19	1251.35	7122285.23	525887.79	64.22581	-134.46641	206.58	196.71	188.32
6	982235.21	1229.11	7122312.41	525925.27	64.22605	-134.46564	206.09	196.40	188.17
7	982234.81	1760.33	7121751.39	525099.16	64.22107	-134.48276	213.15	199.98	188.78
7	982234.84	1710.09	7121789.06	525193.37	64.22141	-134.48081	213.45	200.62	189.71
7	982234.83	1748.61	7121789.65	525146.13	64.22141	-134.48178	213.09	200.05	188.97
7	982234.88	1681.85	7121846.19	525214.80	64.22192	-134.48036	213.50	200.80	190.01
7	982234.90	1644.41	7121876.06	525255.38	64.22218	-134.47952	213.02	200.51	189.88
7	982234.92	1616.56	7121903.71	525291.28	64.22243	-134.47877	212.74	200.38	189.88
7	982234.94	1583.22	7121940.38	525328.30	64.22275	-134.47800	212.27	200.10	189.76
7	982234.97	1557.61	7121977.57	525367.73	64.22308	-134.47719	211.89	199.87	189.65
7	982234.99	1529.23	7122009.63	525406.95	64.22337	-134.47637	211.15	199.30	189.22
7	982235.01	1509.14	7122040.21	525442.62	64.22364	-134.47563	210.83	199.10	189.13
7	982235.03	1482.94	7122067.46	525482.41	64.22388	-134.47481	210.59	199.04	189.23
7	982235.06	1459.57	7122107.78	525520.34	64.22424	-134.47402	210.36	198.98	189.31
7	982235.08	1440.52	7122136.75	525557.75	64.22450	-134.47324	210.01	198.76	189.20
7	982235.10	1421.46	7122169.15	525597.05	64.22479	-134.47243	209.62	198.51	189.06
7	982235.13	1397.63	7122202.64	525634.96	64.22508	-134.47164	209.16	198.21	188.89
7	982235.15	1372.07	7122233.50	525673.19	64.22536	-134.47085	208.45	197.66	188.48
7	982235.17	1342.67	7122264.49	525710.10	64.22563	-134.47008	207.91	197.32	188.32
7	982235.19	1316.19	7122296.98	525751.55	64.22592	-134.46922	207.63	197.23	188.39
7	982235.22	1291.17	7122326.32	525791.02	64.22618	-134.46840	207.25	197.05	188.38

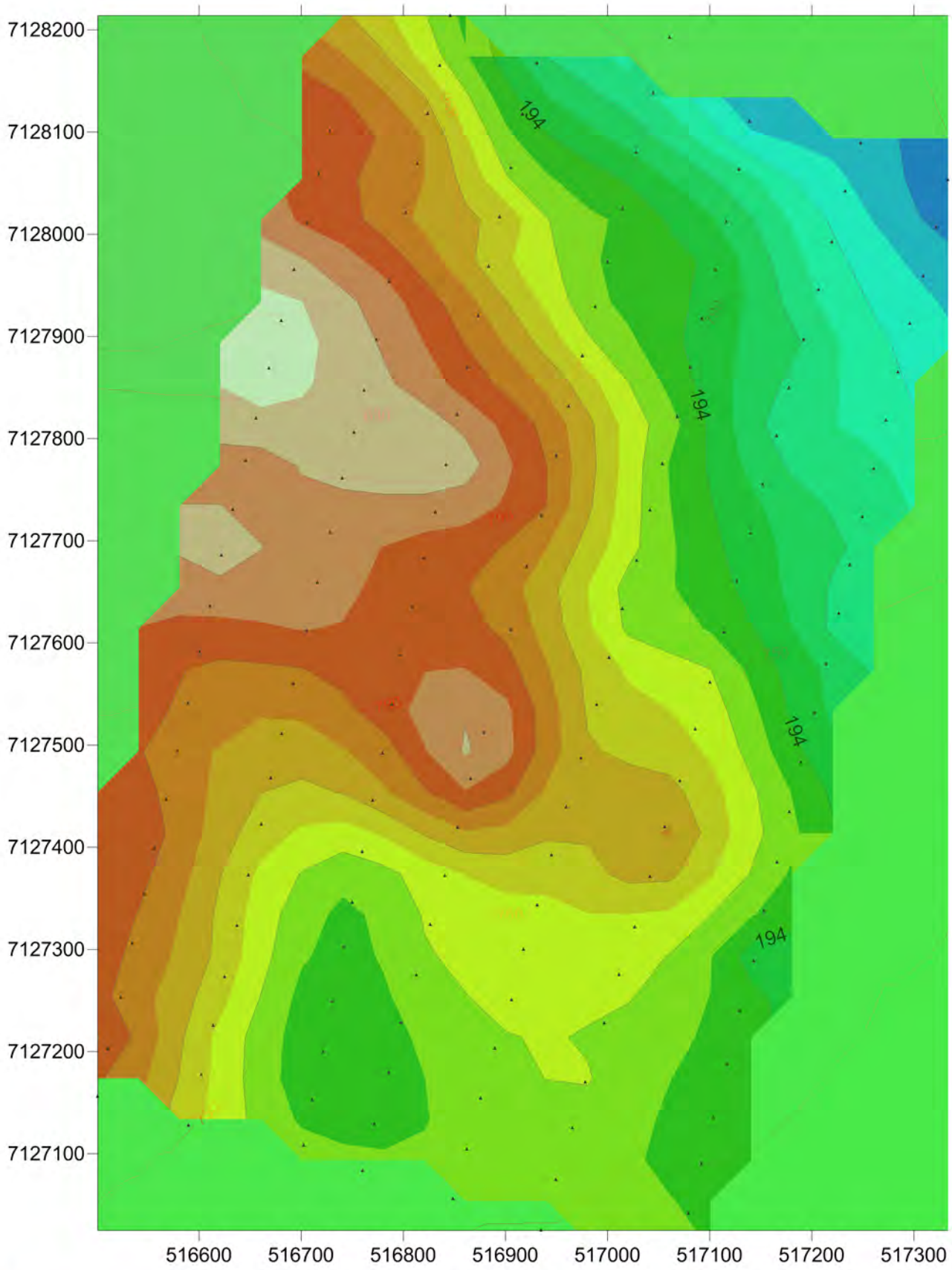
Line	NIMA 1998 Theoretical	Elevation	UTM8 Northing	NAD83 Easting	Latitude	Longitude	BG @2.30	BG @2.50	BG @2.67
7	982235.24	1269.97	7122361.61	525827.48	64.22650	-134.46764	206.91	196.87	188.33
7	982235.26	1250.22	7122394.13	525867.07	64.22678	-134.46682	206.65	196.77	188.37
8	982234.86	1749.15	7121827.38	525038.45	64.22176	-134.48400	213.37	200.21	189.02
8	982234.88	1758.65	7121854.76	525081.23	64.22200	-134.48311	213.13	200.00	188.85
8	982234.90	1747.99	7121891.23	525109.63	64.22233	-134.48252	213.04	200.01	188.93
8	982234.93	1738.20	7121939.55	525135.50	64.22276	-134.48198	212.43	199.50	188.51
8	982234.95	1689.93	7121957.49	525185.73	64.22292	-134.48094	212.50	199.80	189.00
8	982234.97	1656.71	7121991.60	525237.12	64.22322	-134.47987	212.17	199.65	189.01
8	982234.99	1647.38	7122018.19	525268.60	64.22346	-134.47922	211.70	199.20	188.58
8	982235.01	1610.00	7122047.78	525314.95	64.22372	-134.47826	211.60	199.29	188.84
8	982235.04	1590.57	7122087.02	525344.73	64.22407	-134.47764	211.33	199.14	188.79
8	982235.06	1557.52	7122115.05	525383.54	64.22432	-134.47684	211.14	199.15	188.96
8	982235.08	1532.84	7122145.47	525421.37	64.22459	-134.47605	211.28	199.46	189.41
8	982235.10	1514.76	7122181.77	525456.85	64.22491	-134.47531	211.31	199.62	189.69
8	982235.12	1489.89	7122210.88	525498.69	64.22517	-134.47445	210.74	199.20	189.39
8	982235.15	1464.62	7122245.19	525540.57	64.22547	-134.47358	210.07	198.69	189.02
8	982235.17	1431.60	7122275.43	525574.92	64.22574	-134.47286	209.68	198.52	189.04
8	982235.20	1393.76	7122309.36	525610.68	64.22604	-134.47212	209.25	198.35	189.08
8	982235.22	1363.73	7122345.53	525646.53	64.22637	-134.47138	208.73	198.02	188.92
8	982235.24	1337.96	7122377.85	525687.00	64.22665	-134.47054	208.19	197.65	188.69
8	982235.26	1306.99	7122405.66	525728.50	64.22690	-134.46968	207.45	197.13	188.36
8	982235.29	1277.28	7122439.07	525772.48	64.22720	-134.46876	206.99	196.89	188.30
8	982235.31	1260.55	7122472.93	525807.47	64.22750	-134.46804	206.81	196.84	188.36
1	982233.57	1332.91	7119759.89	527306.52	64.20304	-134.43763	205.36	194.84	185.90
1	982233.59	1359.88	7119797.55	527342.39	64.20337	-134.43689	206.24	195.54	186.44
1	982233.60	1385.45	7119823.34	527384.65	64.20360	-134.43601	206.62	195.74	186.49
1	982233.62	1403.29	7119857.13	527422.76	64.20390	-134.43522	207.04	196.03	186.68
1	982233.64	1413.27	7119891.18	527462.05	64.20420	-134.43441	207.15	196.06	186.63
1	982233.66	1416.97	7119924.45	527498.17	64.20450	-134.43366	206.84	195.69	186.22
1	982233.68	1417.84	7119957.10	527536.07	64.20479	-134.43287	206.44	195.27	185.78
1	982233.70	1424.31	7119992.42	527571.98	64.20510	-134.43212	206.34	195.12	185.59
1	982233.72	1448.36	7120021.31	527611.80	64.20536	-134.43130	206.30	194.91	185.23
1	982233.74	1461.12	7120059.03	527648.02	64.20569	-134.43055	206.17	194.68	184.91
1	982233.76	1463.19	7120089.21	527684.41	64.20596	-134.42979	205.92	194.41	184.62
1	982233.78	1475.48	7120126.12	527722.57	64.20629	-134.42900	205.62	194.01	184.14
1	982233.80	1496.96	7120153.76	527760.15	64.20653	-134.42822	205.82	194.06	184.06
1	982233.82	1520.65	7120187.14	527799.38	64.20683	-134.42741	206.02	194.10	183.97
1	982233.83	1551.64	7120217.23	527838.04	64.20710	-134.42660	205.90	193.75	183.43
1	982233.86	1575.53	7120253.93	527875.12	64.20742	-134.42583	205.81	193.49	183.01
1	982233.87	1598.74	7120284.09	527914.98	64.20769	-134.42501	205.90	193.44	182.85
1	982233.89	1615.39	7120317.62	527950.75	64.20799	-134.42426	205.95	193.43	182.79
1	982233.91	1632.64	7120351.52	527985.85	64.20829	-134.42353	205.26	192.69	182.00
1	982233.94	1595.74	7120383.61	528024.23	64.20857	-134.42274	205.92	193.58	183.09
1	982233.96	1559.73	7120418.46	528063.53	64.20888	-134.42192	205.66	193.58	183.31
2	982233.60	1318.02	7119817.79	527252.12	64.20356	-134.43874	205.74	195.33	186.48
2	982233.63	1340.36	7119861.07	527284.96	64.20395	-134.43806	206.41	195.83	186.85
2	982233.65	1356.30	7119890.17	527319.08	64.20420	-134.43735	206.81	196.13	187.04
2	982233.67	1368.78	7119923.05	527362.01	64.20450	-134.43646	207.09	196.31	187.15
2	982233.69	1372.82	7119960.89	527395.89	64.20483	-134.43576	206.96	196.15	186.95
2	982233.71	1370.56	7119991.07	527427.60	64.20510	-134.43510	206.59	195.79	186.61
2	982233.73	1371.46	7120020.00	527474.46	64.20536	-134.43413	206.35	195.55	186.37
2	982233.75	1391.15	7120051.78	527517.49	64.20564	-134.43324	206.14	195.18	185.87
2	982233.77	1396.76	7120087.87	527550.83	64.20596	-134.43254	205.73	194.71	185.36

Line	NIMA 1998 Theoretical	Elevation	UTM8 Northing	NAD83 Easting	Latitude	Longitude	BG @2.30	BG @2.50	BG @2.67
2	982233.79	1405.20	7120120.75	527584.04	64.20625	-134.43185	205.37	194.29	184.86
2	982233.81	1420.26	7120159.74	527620.63	64.20660	-134.43109	205.30	194.09	184.56
2	982233.83	1449.43	7120188.55	527661.78	64.20685	-134.43024	205.64	194.20	184.48
2	982233.85	1475.51	7120222.01	527696.11	64.20715	-134.42953	206.08	194.46	184.58
2	982233.86	1500.63	7120251.76	527736.75	64.20741	-134.42868	206.53	194.75	184.74
2	982233.88	1531.92	7120286.39	527776.48	64.20772	-134.42786	206.51	194.50	184.29
2	982233.90	1551.83	7120318.03	527810.27	64.20800	-134.42716	206.31	194.15	183.80
2	982233.92	1578.81	7120348.83	527851.16	64.20828	-134.42631	206.42	194.08	183.58
2	982233.94	1596.25	7120385.21	527890.47	64.20860	-134.42549	206.51	194.08	183.51
2	982233.96	1617.04	7120421.09	527924.28	64.20892	-134.42479	205.60	193.09	182.45
2	982233.98	1597.67	7120451.86	527962.97	64.20919	-134.42399	206.02	193.66	183.15
2	982234.00	1576.14	7120474.51	528006.60	64.20939	-134.42308	205.63	193.45	183.10
3	982233.67	1283.53	7119907.46	527179.70	64.20437	-134.44022	205.22	195.09	186.48
3	982233.69	1304.69	7119943.98	527221.30	64.20469	-134.43936	205.67	195.36	186.59
3	982233.70	1320.98	7119969.62	527258.92	64.20492	-134.43858	205.97	195.53	186.65
3	982233.72	1324.30	7120007.80	527295.15	64.20526	-134.43782	206.09	195.62	186.72
3	982233.74	1326.27	7120035.68	527335.03	64.20551	-134.43700	205.82	195.34	186.43
3	982233.76	1321.10	7120068.44	527373.06	64.20580	-134.43621	205.12	194.69	185.83
3	982233.78	1331.75	7120101.06	527411.92	64.20609	-134.43540	205.19	194.70	185.79
3	982233.80	1340.34	7120130.71	527451.20	64.20635	-134.43459	204.80	194.27	185.32
3	982233.82	1372.88	7120164.39	527484.14	64.20665	-134.43390	205.70	194.90	185.71
3	982233.84	1400.65	7120200.05	527528.33	64.20697	-134.43299	205.60	194.56	185.17
3	982233.86	1426.54	7120229.84	527562.67	64.20723	-134.43227	205.88	194.63	185.06
3	982233.87	1452.95	7120258.42	527603.70	64.20749	-134.43142	206.07	194.60	184.85
3	982233.89	1479.22	7120295.25	527638.69	64.20781	-134.43069	206.51	194.84	184.93
3	982233.91	1502.45	7120325.45	527680.66	64.20808	-134.42982	206.87	195.07	185.04
3	982233.93	1529.09	7120357.45	527716.93	64.20836	-134.42907	206.98	194.99	184.80
3	982233.94	1551.73	7120381.80	527761.76	64.20858	-134.42814	206.85	194.69	184.35
3	982233.96	1576.11	7120420.32	527797.45	64.20892	-134.42740	207.00	194.68	184.21
3	982233.99	1590.37	7120463.60	527824.33	64.20931	-134.42684	207.03	194.65	184.13
3	982234.00	1606.04	7120482.01	527873.44	64.20947	-134.42583	206.41	193.97	183.40
3	982234.02	1583.58	7120507.97	527916.18	64.20970	-134.42494	206.47	194.19	183.76
3	982234.04	1552.55	7120547.68	527949.70	64.21005	-134.42424	206.19	194.15	183.91
4	982233.71	1256.45	7119971.98	527121.26	64.20495	-134.44141	204.89	195.01	186.61
4	982233.73	1261.68	7120010.32	527147.68	64.20530	-134.44086	204.94	195.03	186.62
4	982233.76	1272.34	7120049.02	527190.99	64.20564	-134.43996	204.62	194.61	186.11
4	982233.78	1277.04	7120082.92	527226.75	64.20594	-134.43922	204.21	194.17	185.62
4	982233.79	1288.02	7120109.97	527270.18	64.20618	-134.43832	204.02	193.90	185.29
4	982233.81	1317.98	7120138.81	527307.25	64.20644	-134.43755	205.07	194.67	185.84
4	982233.83	1347.47	7120177.70	527340.58	64.20678	-134.43686	205.55	194.92	185.88
4	982233.85	1371.10	7120207.74	527375.45	64.20705	-134.43613	206.03	195.22	186.04
4	982233.87	1400.89	7120242.00	527420.21	64.20735	-134.43520	206.20	195.16	185.78
4	982233.89	1430.46	7120278.84	527453.28	64.20768	-134.43452	206.32	195.03	185.44
4	982233.90	1456.69	7120310.58	527489.54	64.20796	-134.43376	206.36	194.85	185.07
4	982233.92	1478.90	7120341.04	527527.45	64.20823	-134.43298	206.42	194.74	184.81
4	982233.94	1504.76	7120375.11	527564.90	64.20854	-134.43220	206.81	194.95	184.87
4	982233.96	1526.34	7120407.11	527605.23	64.20882	-134.43136	207.27	195.29	185.11
4	982233.98	1548.65	7120440.46	527640.70	64.20912	-134.43063	207.50	195.39	185.10
4	982234.00	1568.59	7120474.89	527679.96	64.20942	-134.42981	207.63	195.39	184.99
4	982234.02	1584.34	7120507.36	527718.14	64.20971	-134.42902	207.62	195.29	184.82
4	982234.04	1600.93	7120537.96	527754.50	64.20998	-134.42826	207.33	194.94	184.40
4	982234.04	1600.93	7120537.96	527754.50	64.20998	-134.42826	207.36	194.97	184.43
4	982234.05	1610.38	7120568.82	527792.85	64.21026	-134.42747	206.46	194.05	183.51

Line	NIMA 1998 Theoretical	Elevation	UTM8 Northing	NAD83 Easting	Latitude	Longitude	BG @2.30	BG @2.50	BG @2.67
4	982234.05	1610.38	7120568.82	527792.85	64.21026	-134.42747	206.47	194.07	183.52
4	982234.08	1559.56	7120601.47	527836.11	64.21054	-134.42657	206.81	194.70	184.40
4	982234.09	1525.12	7120619.97	527884.60	64.21071	-134.42557	206.06	194.16	184.05
5	982233.76	1253.07	7120049.58	527049.02	64.20566	-134.44288	204.07	194.25	185.90
5	982233.77	1272.83	7120075.90	527091.84	64.20589	-134.44200	204.71	194.71	186.22
5	982233.80	1297.30	7120120.04	527124.84	64.20628	-134.44131	205.05	194.84	186.16
5	982233.82	1313.96	7120154.53	527162.54	64.20659	-134.44053	205.02	194.65	185.83
5	982233.84	1332.12	7120188.95	527195.82	64.20689	-134.43984	205.28	194.76	185.81
5	982233.86	1349.20	7120218.82	527241.38	64.20716	-134.43889	205.54	194.88	185.83
5	982233.87	1375.13	7120250.15	527280.64	64.20744	-134.43808	206.09	195.24	186.02
5	982233.89	1397.99	7120282.68	527308.50	64.20773	-134.43750	206.33	195.31	185.95
5	982233.91	1428.33	7120318.90	527353.23	64.20805	-134.43657	206.83	195.59	186.02
5	982233.93	1457.43	7120350.33	527389.58	64.20833	-134.43582	207.00	195.52	185.76
5	982233.95	1486.37	7120384.18	527427.30	64.20863	-134.43503	207.12	195.40	185.45
5	982233.97	1515.97	7120421.95	527462.02	64.20896	-134.43431	207.24	195.32	185.19
5	982233.99	1536.64	7120449.51	527502.35	64.20921	-134.43348	207.47	195.42	185.17
5	982234.01	1559.02	7120483.40	527536.99	64.20951	-134.43276	207.51	195.33	184.97
5	982234.02	1575.72	7120514.40	527577.14	64.20978	-134.43192	207.57	195.29	184.84
5	982234.05	1592.82	7120551.16	527615.07	64.21011	-134.43113	207.84	195.48	184.98
5	982234.06	1607.10	7120580.87	527653.53	64.21037	-134.43034	207.82	195.42	184.88
5	982234.06	1607.10	7120580.87	527653.53	64.21037	-134.43034	207.83	195.43	184.89
5	982234.08	1618.80	7120604.32	527680.53	64.21058	-134.42978	207.69	195.26	184.70
5	982234.08	1618.80	7120604.32	527680.53	64.21058	-134.42978	207.69	195.26	184.70
5	982234.09	1620.08	7120633.80	527722.35	64.21084	-134.42891	207.02	194.62	184.09
5	982234.13	1571.32	7120684.73	527752.41	64.21130	-134.42828	207.31	195.16	184.85
5	982234.15	1539.72	7120708.21	527796.13	64.21151	-134.42738	206.74	194.79	184.63
6	982233.82	1310.60	7120146.91	526977.89	64.20653	-134.44433	205.13	194.80	186.01
6	982233.83	1308.09	7120169.08	527014.87	64.20673	-134.44357	204.70	194.39	185.62
6	982233.83	1308.09	7120169.08	527014.87	64.20673	-134.44357	204.77	194.45	185.69
6	982233.85	1337.91	7120201.03	527052.58	64.20701	-134.44278	205.56	195.00	186.02
6	982233.87	1365.23	7120231.90	527092.24	64.20729	-134.44196	206.23	195.45	186.29
6	982233.88	1380.05	7120262.63	527132.43	64.20756	-134.44113	206.45	195.56	186.31
6	982233.90	1403.38	7120296.95	527168.11	64.20787	-134.44039	206.71	195.64	186.23
6	982233.92	1421.66	7120327.88	527209.88	64.20814	-134.43952	206.53	195.30	185.75
6	982233.94	1439.63	7120360.10	527248.69	64.20843	-134.43872	206.76	195.39	185.72
6	982233.96	1467.63	7120391.08	527287.28	64.20870	-134.43792	207.32	195.76	185.93
6	982233.98	1492.69	7120427.00	527321.14	64.20902	-134.43721	207.79	196.04	186.06
6	982234.00	1520.07	7120460.45	527360.45	64.20932	-134.43640	207.98	196.06	185.92
6	982234.01	1542.46	7120491.60	527401.98	64.20959	-134.43553	208.09	196.01	185.75
6	982234.03	1562.67	7120520.15	527440.22	64.20985	-134.43474	207.95	195.75	185.38
6	982234.05	1581.84	7120551.29	527477.51	64.21012	-134.43397	207.71	195.39	184.92
6	982234.07	1598.35	7120592.08	527510.87	64.21049	-134.43327	207.66	195.27	184.74
6	982234.07	1598.35	7120592.08	527510.87	64.21049	-134.43327	207.71	195.32	184.78
6	982234.09	1610.82	7120619.96	527552.44	64.21073	-134.43241	207.97	195.57	185.03
6	982234.11	1629.97	7120651.48	527592.88	64.21101	-134.43157	207.64	195.21	184.64
6	982234.17	1589.83	7120750.97	527700.28	64.21190	-134.42934	206.91	194.69	184.30
6	982234.20	1565.78	7120786.58	527736.53	64.21221	-134.42859	207.02	194.97	184.73
7	982233.83	1380.76	7120174.54	526878.71	64.20679	-134.44637	206.91	196.02	186.77
7	982233.85	1363.03	7120209.31	526914.29	64.20710	-134.44563	206.28	195.52	186.37
7	982233.87	1350.71	7120241.19	526948.74	64.20738	-134.44492	205.69	195.02	185.96
7	982233.89	1372.45	7120270.03	526992.94	64.20764	-134.44400	206.45	195.62	186.42
7	982233.91	1399.24	7120303.40	527031.81	64.20793	-134.44319	207.11	196.09	186.72
7	982233.93	1439.84	7120342.55	527064.10	64.20828	-134.44252	207.54	196.22	186.59

Line	NIMA 1998 Theoretical	Elevation	UTM8 Northing	NAD83 Easting	Latitude	Longitude	BG @2.30	BG @2.50	BG @2.67
7	982233.94	1462.94	7120369.66	527103.67	64.20852	-134.44170	207.62	196.10	186.32
7	982233.96	1481.98	7120402.67	527141.36	64.20882	-134.44092	207.54	195.87	185.95
7	982233.98	1501.57	7120438.81	527179.34	64.20914	-134.44013	207.77	195.95	185.90
7	982234.00	1511.50	7120466.86	527219.21	64.20939	-134.43930	208.17	196.27	186.16
7	982234.02	1529.44	7120504.79	527252.74	64.20972	-134.43861	208.44	196.42	186.20
7	982234.04	1552.45	7120534.71	527288.22	64.20999	-134.43787	208.37	196.23	185.90
7	982234.06	1571.66	7120566.99	527331.25	64.21028	-134.43698	207.89	195.64	185.22
7	982234.08	1569.49	7120597.85	527365.39	64.21055	-134.43627	208.01	195.76	185.34
7	982234.08	1569.49	7120597.85	527365.39	64.21055	-134.43627	208.05	195.79	185.37
7	982234.10	1569.18	7120632.39	527402.15	64.21086	-134.43551	207.83	195.59	185.20
7	982234.12	1577.18	7120665.76	527450.22	64.21115	-134.43451	207.71	195.47	185.06
7	982234.14	1571.29	7120695.33	527480.63	64.21142	-134.43388	207.77	195.58	185.21
7	982234.16	1579.25	7120726.56	527519.09	64.21169	-134.43308	207.52	195.31	184.94
7	982234.18	1580.66	7120754.61	527559.69	64.21194	-134.43224	207.32	195.12	184.75
7	982234.20	1568.43	7120787.47	527599.13	64.21223	-134.43142	207.26	195.15	184.86
7	982234.22	1556.31	7120817.63	527635.64	64.21250	-134.43066	207.20	195.19	184.98
7	982234.24	1557.33	7120855.67	527678.64	64.21284	-134.42977	206.85	194.88	184.69
8	982233.89	1404.76	7120276.51	526860.08	64.20771	-134.44674	207.11	196.01	186.58
8	982233.91	1397.39	7120309.00	526899.85	64.20799	-134.44591	206.84	195.81	186.44
8	982233.93	1413.30	7120339.63	526937.66	64.20827	-134.44513	207.23	196.08	186.61
8	982233.95	1430.52	7120374.59	526975.80	64.20858	-134.44433	207.44	196.17	186.59
8	982233.97	1467.60	7120407.78	527017.14	64.20887	-134.44348	208.03	196.49	186.68
8	982233.98	1498.77	7120437.70	527050.53	64.20914	-134.44278	208.32	196.56	186.57
8	982234.00	1536.37	7120472.61	527089.12	64.20945	-134.44198	208.37	196.36	186.16
8	982234.02	1553.37	7120503.36	527126.36	64.20972	-134.44121	208.33	196.20	185.89
8	982234.04	1540.33	7120529.42	527170.41	64.20995	-134.44030	208.60	196.48	186.18
8	982234.06	1548.67	7120566.30	527209.76	64.21028	-134.43948	208.30	196.12	185.77
8	982234.08	1552.05	7120596.43	527245.87	64.21055	-134.43873	208.10	195.92	185.56
8	982234.10	1535.54	7120631.32	527274.62	64.21086	-134.43813	208.12	196.07	185.83
8	982234.13	1519.94	7120665.27	527319.23	64.21116	-134.43721	207.74	195.78	185.61
8	982234.15	1520.23	7120695.16	527359.42	64.21142	-134.43637	207.69	195.75	185.59
8	982234.17	1514.44	7120740.51	527382.48	64.21183	-134.43589	207.38	195.49	185.38
8	982234.19	1516.14	7120761.97	527431.03	64.21202	-134.43489	207.47	195.60	185.50
8	982234.20	1529.40	7120787.84	527482.01	64.21225	-134.43383	207.40	195.47	185.34
8	982234.22	1538.06	7120811.60	527516.97	64.21246	-134.43311	207.29	195.34	185.17
8	982234.26	1510.13	7120868.68	527536.43	64.21297	-134.43270	206.91	195.15	185.15
8	982234.28	1485.71	7120896.25	527582.55	64.21321	-134.43174	206.54	194.93	185.07
8	982234.30	1491.51	7120930.16	527622.23	64.21351	-134.43092	206.31	194.69	184.80

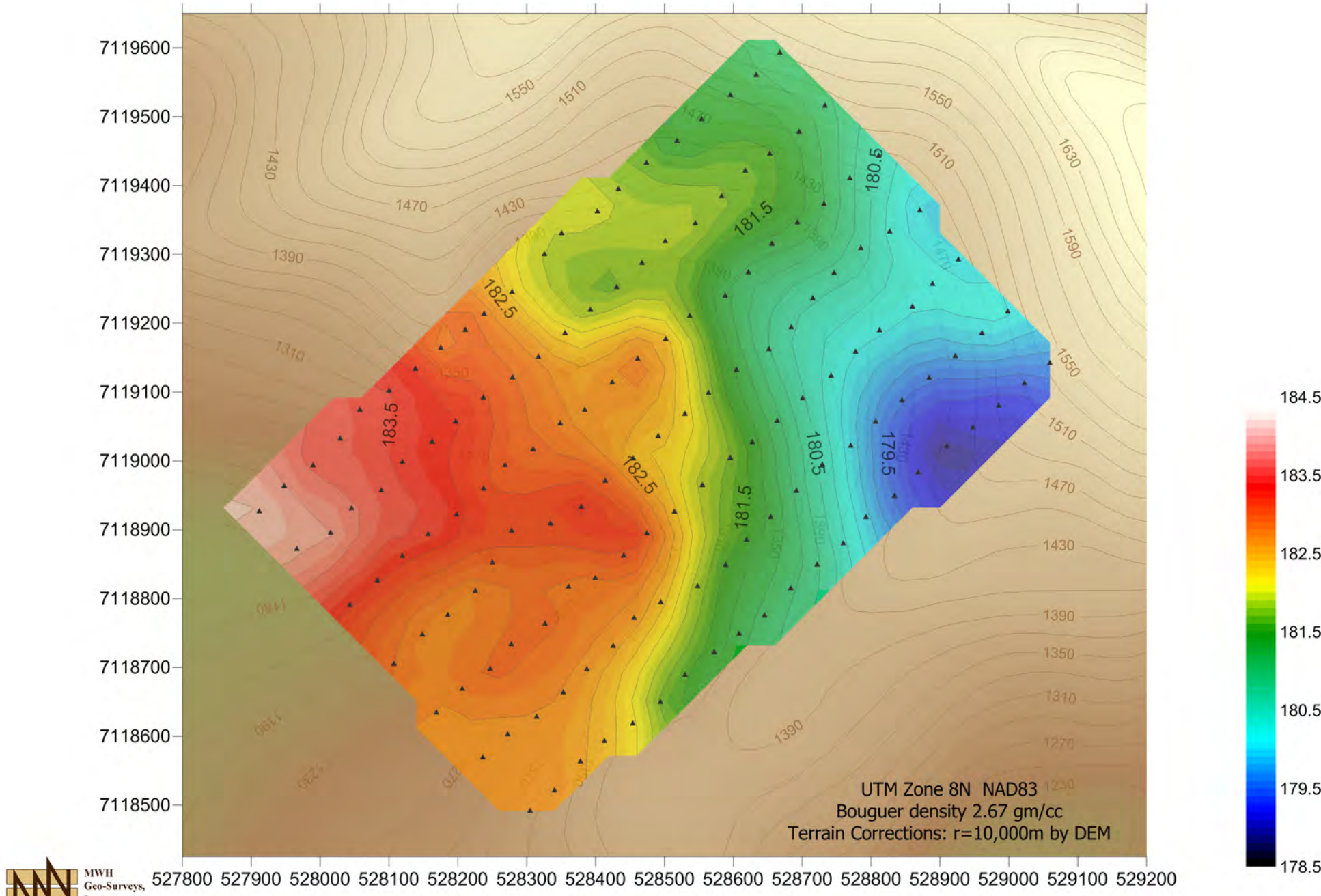
Bouguer Gravity: El Gossan Property, Yukon
Archer Cathro & Associates



MWH Geo-Surveys, Inc.

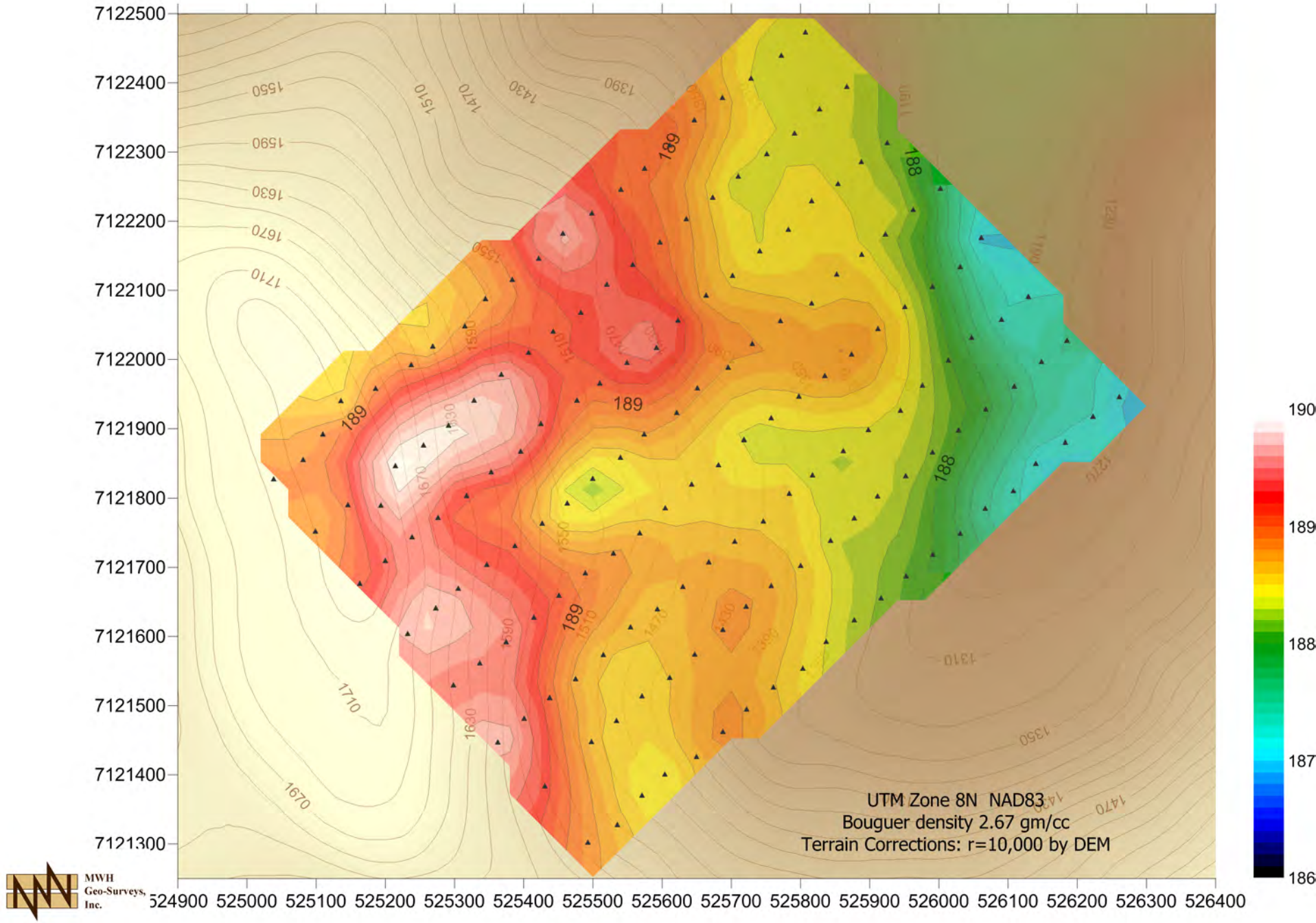
UTM Zone 8N NAD83
Bouguer density 2.67 gm/cc
Terrain Corrections: to r=10,000m with DEM

Bouguer Gravity: Grid-2 Property, Yukon
Archer Cathro & Associates



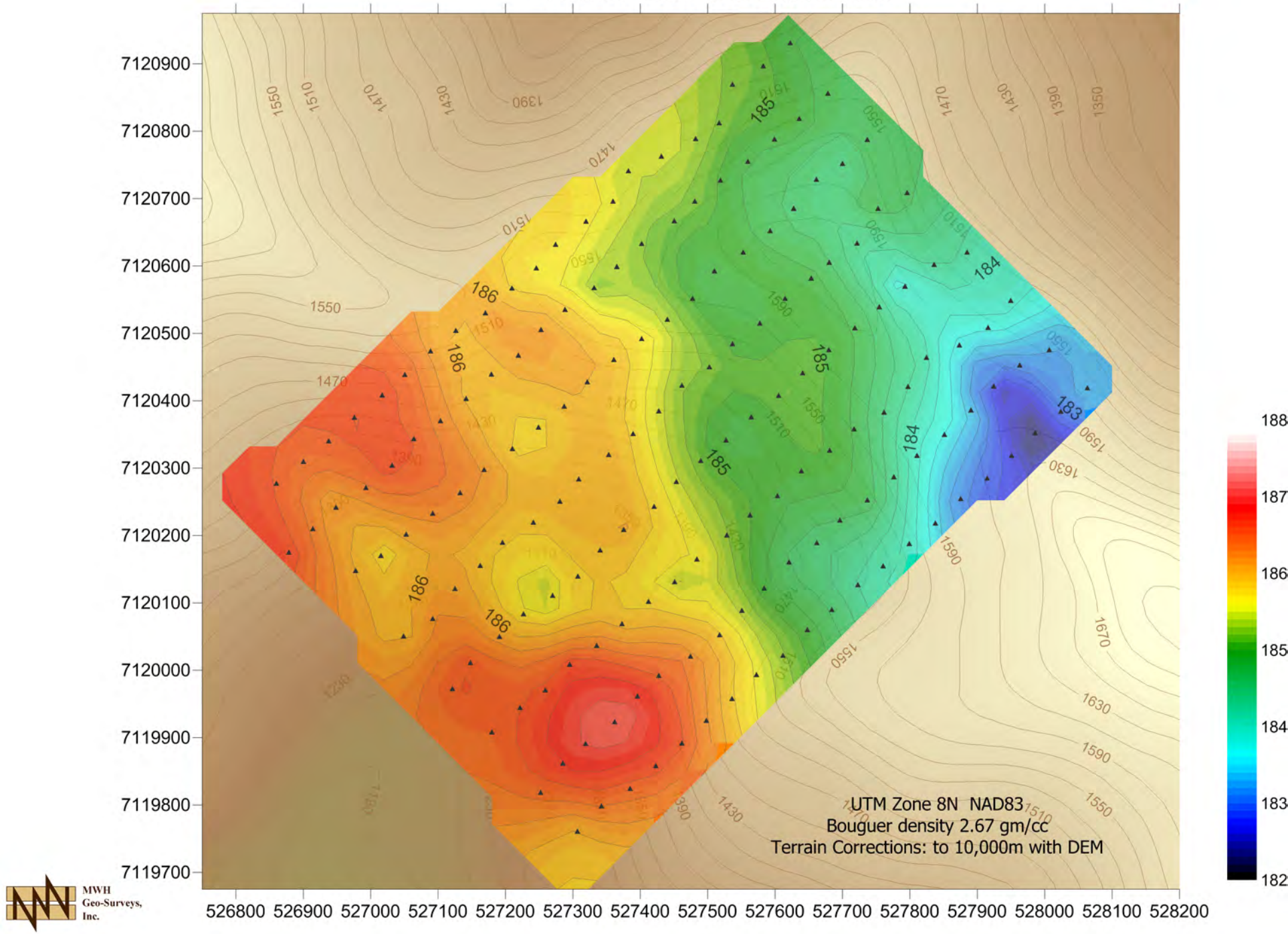
MWH Geo-Surveys, Inc.

Bouguer Gravity: Puma Property, Yukon
Archer Cathro & Associates



MWH Geo-Surveys, Inc.

Bouguer Gravity: Z-tem Property, Yukon
Archer Cathro & Associates



MWH Geo-Surveys, Inc.

APPENDIX VIII

GEOPHYSICAL REPORT BY CONDOR CONSULTING, INC.

REPORT ON PROCESSING AND INTERPRETATION

OF

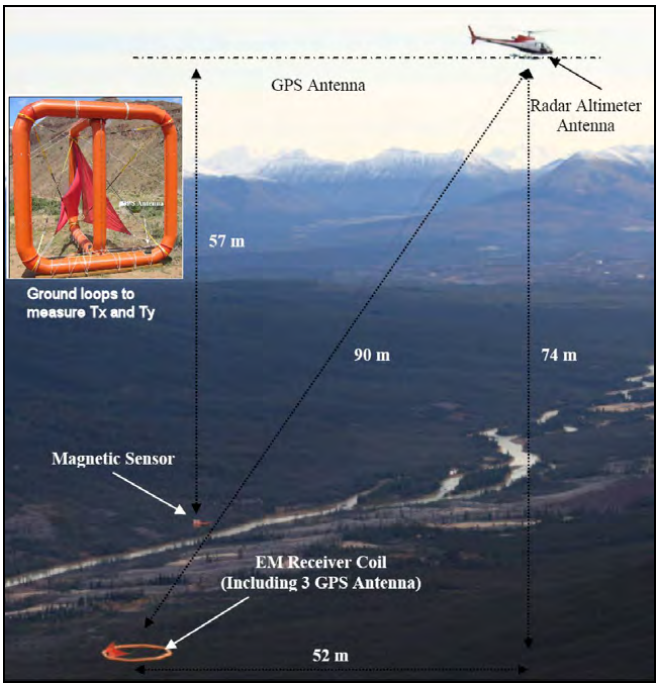
ZTEM SURVEYS

RAU PROPERTY

YUKON, CANADA

ATAC RESOURCES LTD.

DECEMBER 2010



Condor Consulting, Inc.
Lakewood Colorado
USA

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1. INTRODUCTION

This report describes the analysis of a ZTEM airborne geophysical data over the Rau property, located near Mayo, Yukon, Canada (Figure 1). The survey was flown between June 14-22, 2010 by Geotech Ltd. (Geotech) for ATAC Resources Ltd. (ATAC) and comprised three blocks, Central, NW and SE. The Central block encompasses the Tiger zone, where recent drilling has defined a gold resource, the El zone where drilling has been undertaken and a number of other Au prospects. The SE block encompasses the recently discovered Osiris zone, which has also been drilled.

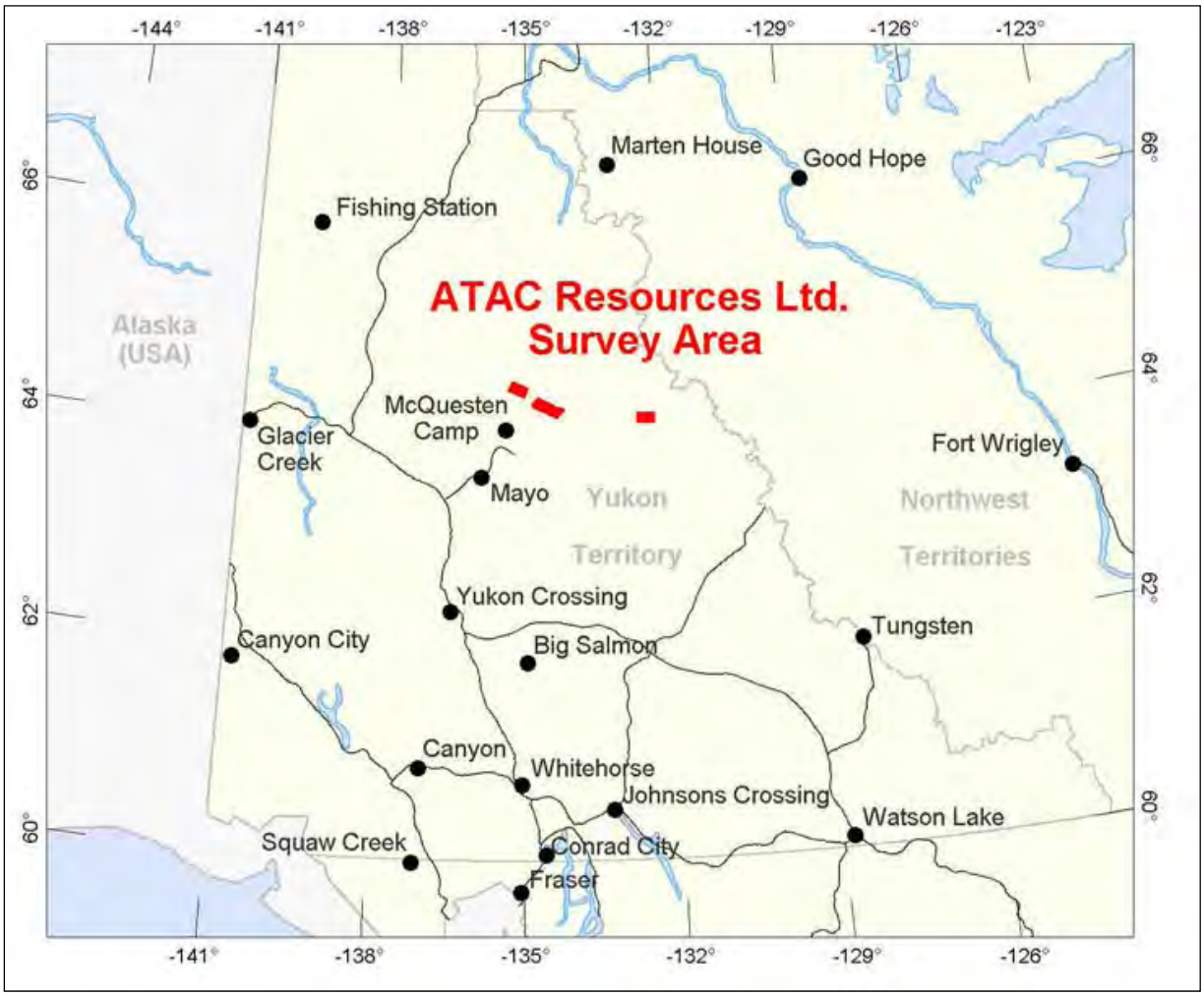

Figure 1: Location of ZTEM surveys.

The aim of the ZTEM survey was to map structures and lithologies controlling gold mineralization and thus generate additional targets.

Previously, in 2007-2008, a VTEM survey was flown over a similar area to the ZTEM Central block. The VTEM data defined relatively modest conductive zones correlating with the Tiger zone and extending northwest across other Au mineralized zones, including the El zone.

In early 2010, ATAC decided to fly additional AEM to assist in defining targets elsewhere in their extensive land package at Rau. Because of the relatively poor conductivity of the Au mineralization and associated alteration, a ZTEM test survey was carried out between May 27-June 6, 2010 over the Tiger zone to evaluate whether ZTEM could define this target style better than VTEM. A well-defined conductive zone was delineated by the ZTEM over the Tiger zone, which extended northwest and correlated with other Au mineralized prospects. Consequently ZTEM was adjudged to be a more effective method for mapping features significant to the gold mineralization in this environment.

Following the positive results from the test survey, additional ZTEM was flown to cover most of the area of the 2007-2008 VTEM survey. The data from the test survey have been merged into the main survey for this report.

Condor Consulting Inc. (Condor) was commissioned to carry out comprehensive processing, analysis and interpretation of the ZTEM and magnetic data. The interpretation had two principal goals:

- Identify the EM and magnetic signatures of the known gold mineralization at a local scale
- Generate additional targets, either extensions of the known mineralization or new zones elsewhere within the three survey blocks.

The principles of the ZTEM system, together with modelling and analysis techniques, are summarized in Condor Technical Note “ZTEM Primer” (Appendix A).

2. SURVEY DETAILS

The ZTEM survey comprised three blocks (Central, NW and SE), as shown in Figure 2. The survey was flown out of ATAC's McQuesten Camp, shown on the figure. The magnetic base station was located close to the camp, while the ZTEM base station was located approximately half way between the camp and the Central block.

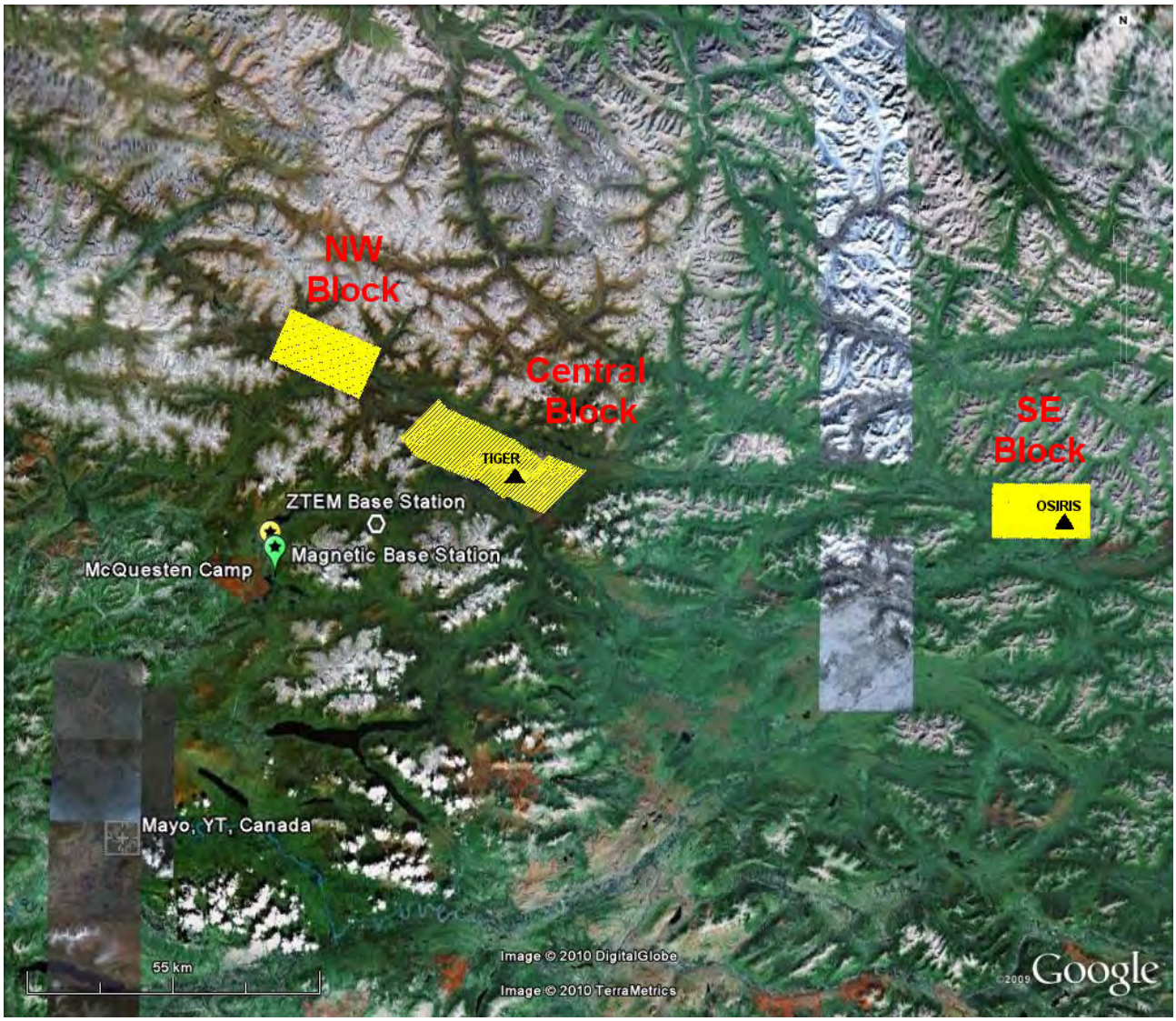

Figure 2: Locations of three survey blocks.

The Central block consisted of 1531.4 line km, of which 322.6 km had been flown during the initial test survey stage (Figure 3).

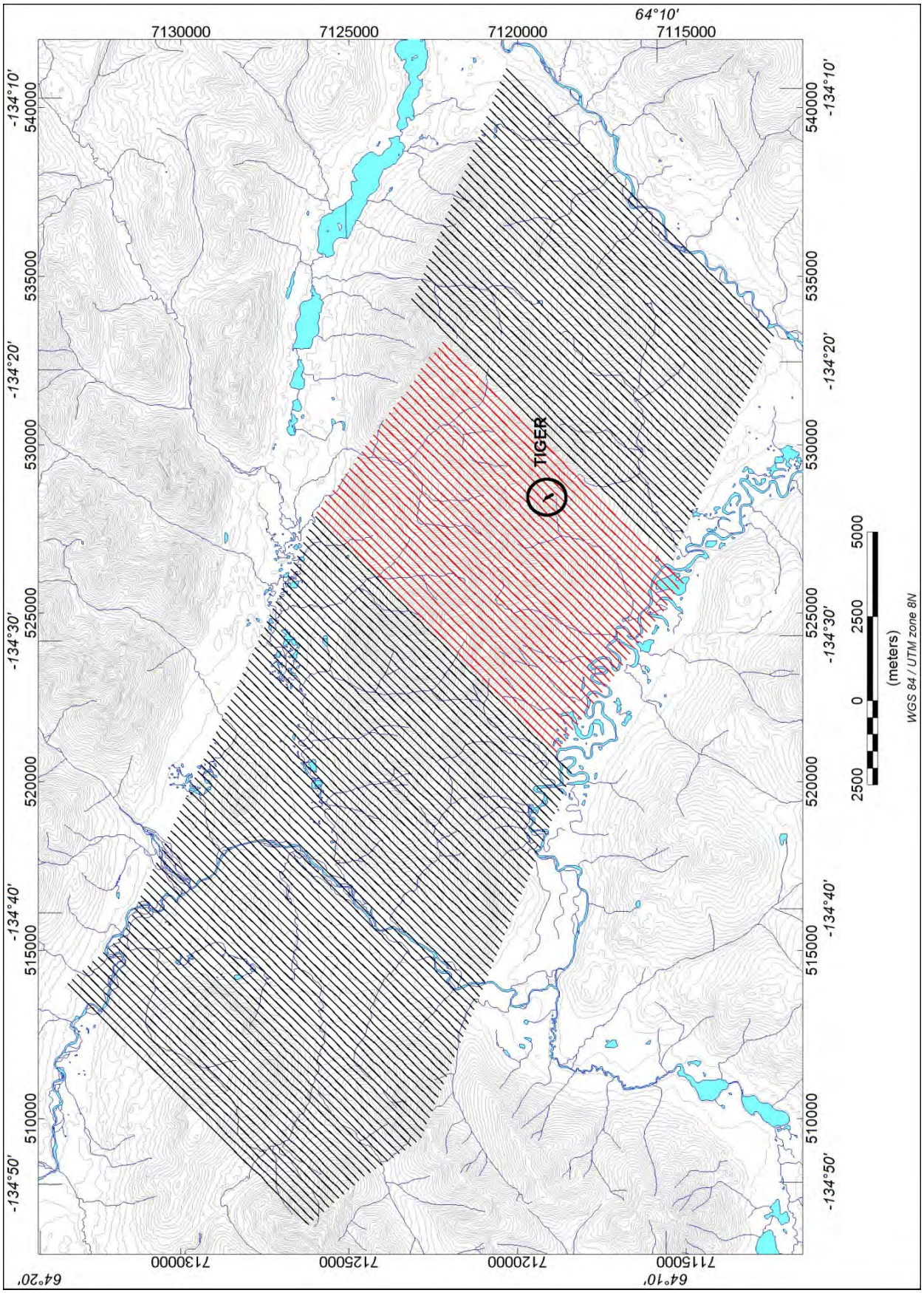

Figure 3: Central block - ZTEM flight path.

The Northwest block comprised 922.5 line km (Figure 4) and the Southeast block 923.1 line km (Figure 5).

The total line Km of ZTEM (including the test survey) was 3 377 km.

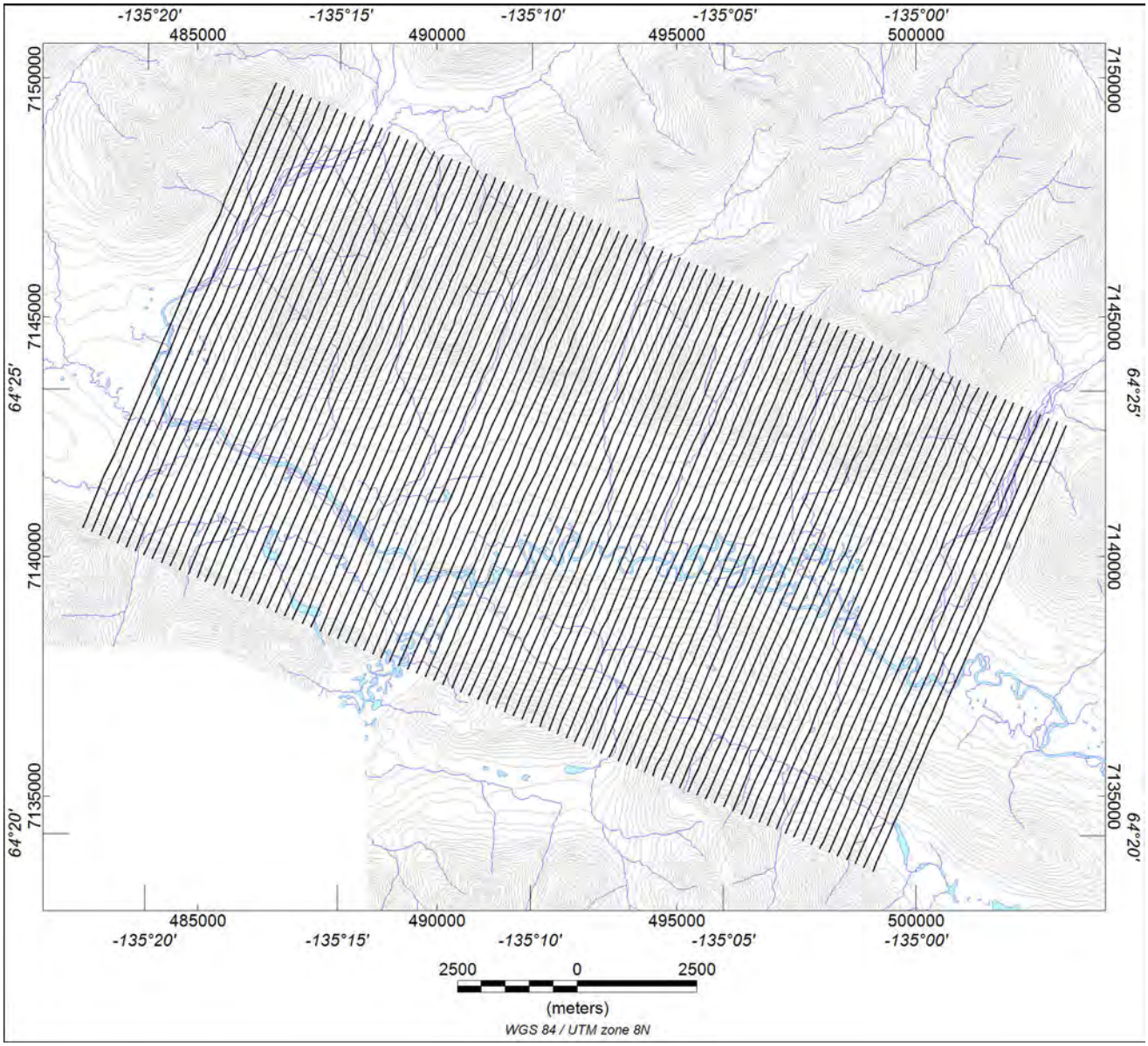

Figure 4: Northwest block - ZTEM flight path.

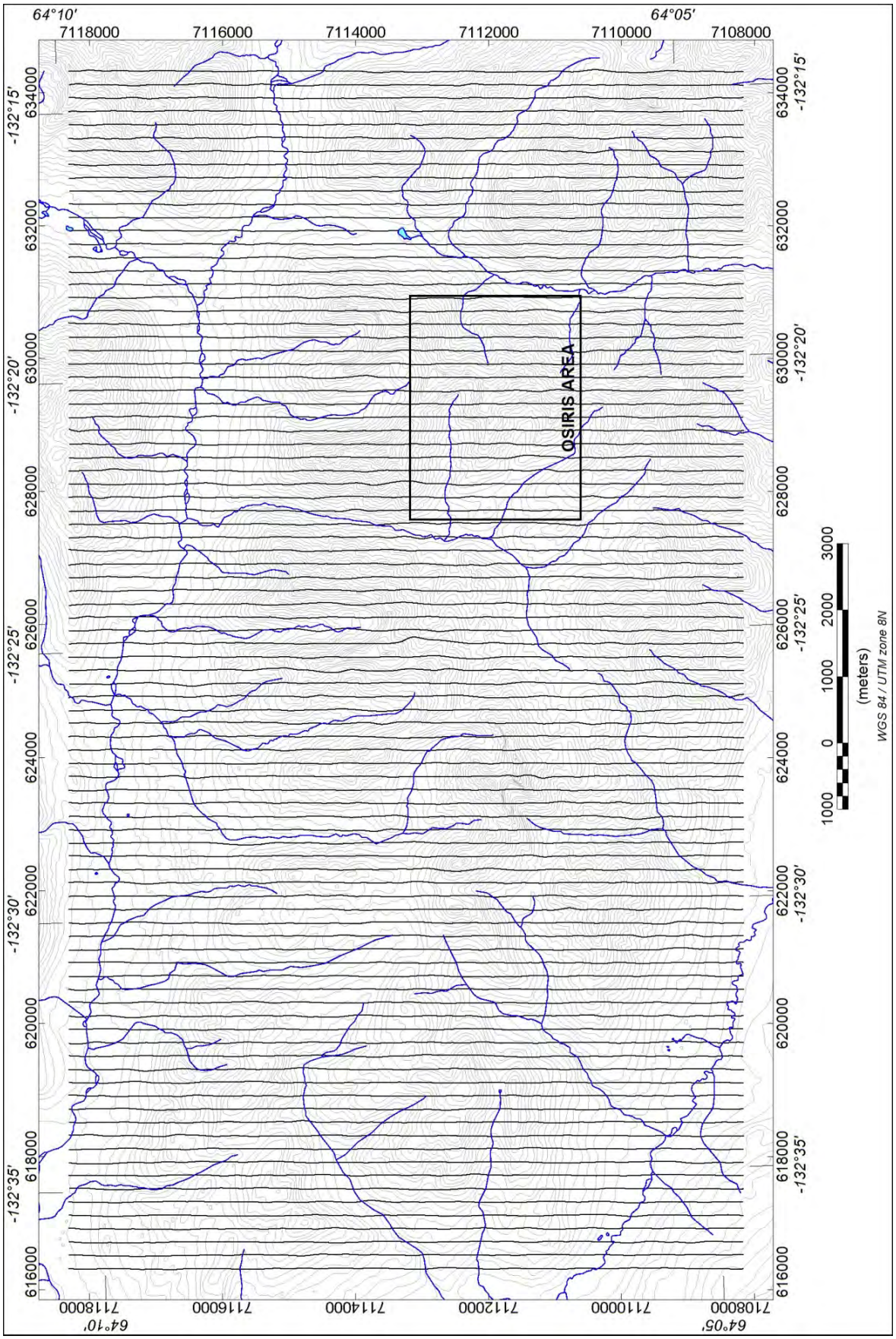

Figure 5: Southeast block - ZTEM flight path.

3. GEOLOGY

The geology of the Central block is shown in Figure 6a and the accompanying legend in Figure 6b. No geologic maps covering the other blocks were available, except for a small area covering the Osiris prospect in the Southeast block, which is shown on the interpretation maps later in this report.

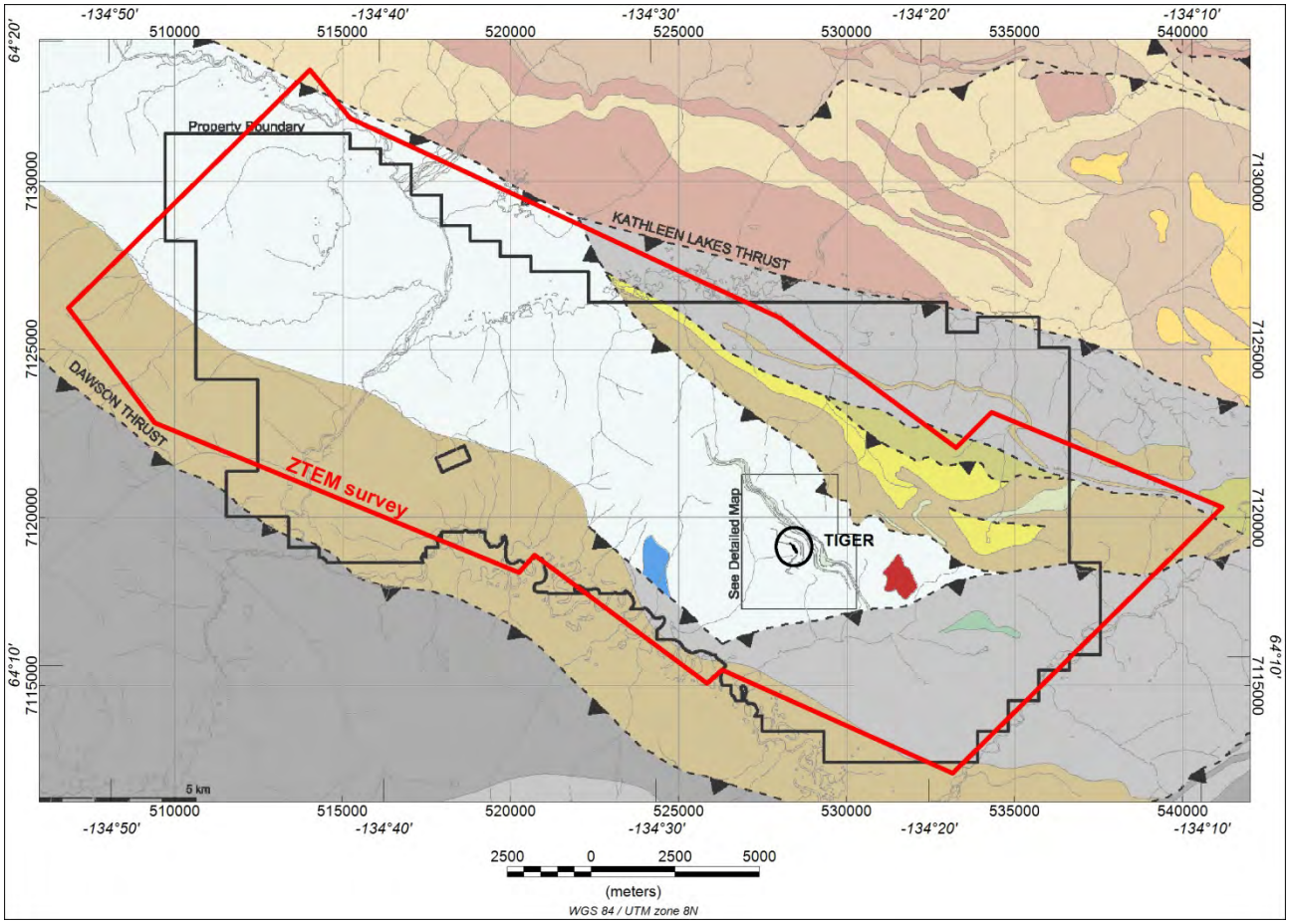

Figure 6a: Geology of Central block, showing boundary of ZTEM survey.

The following description of the geology and mineralization is extracted from ATAC's web site:

http://www.atacresources.com

The Rau Project is located 55 km northeast of Keno City in Central Yukon. The project is over 1300 sq km and is situated between the regional-scale Dawson thrust and Kathleen Lakes fault, within a Paleozoic carbonate inlier of the Selwyn Basin tectonic province. Replacement-style, gold-bearing sulphide and oxide mineralization occurs in Bouvette Formation shallow water limestone, dolomite, and calcareous siltstone of Cambrian to Devonian age. ATAC Resources Ltd. wholly owns the project, which was a grass roots discovery in 2006. Since then, it has acquired by staking over 160 km of potential strike length of favourable structure and stratigraphy, of which only a very small portion has been explored for gold.

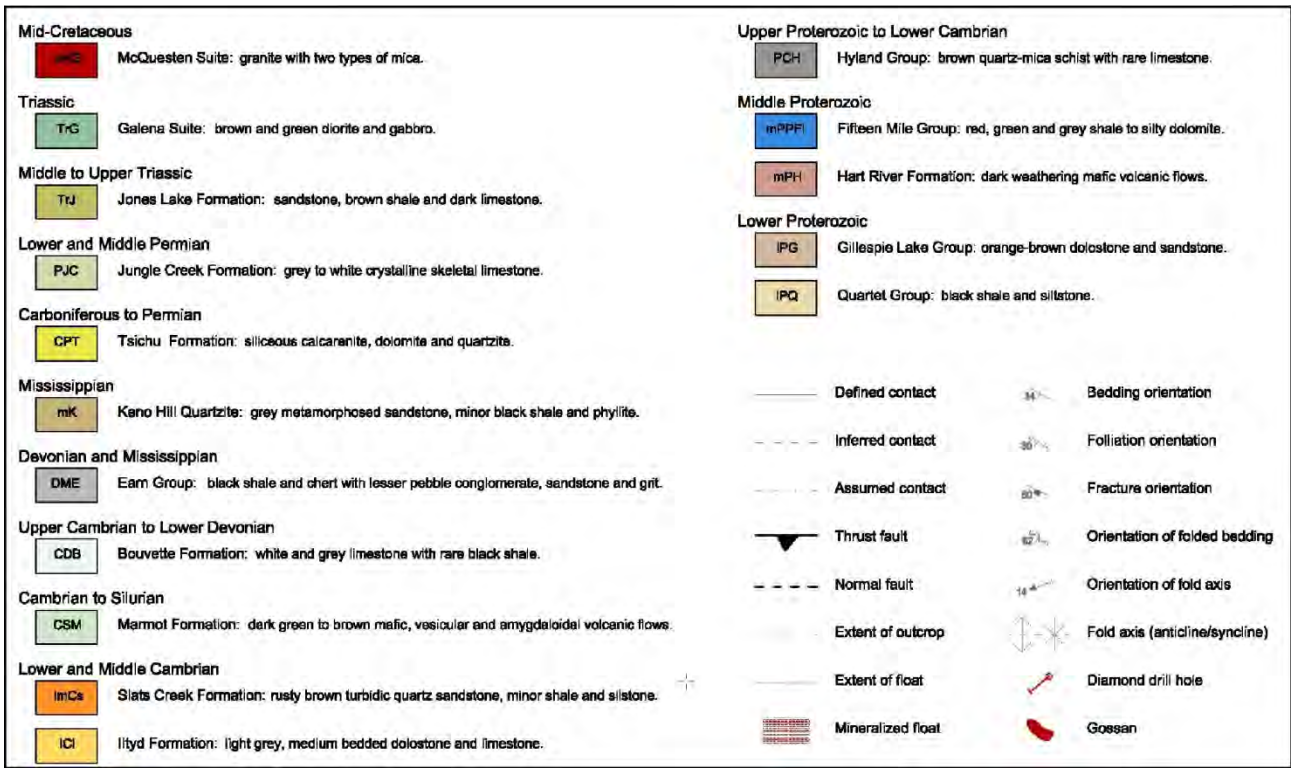

Figure 6b: Legend for geological map shown in Figure 6a.

Exploration conducted by ATAC has focused along a 15 km portion of the Bouvette Formation where it forms a local ridge system bound by the Beaver and Rackla Rivers. Carbonate strata at the southeast end of the ridge system is intruded by a small early Tertiary (62.9+0.5 Ma) granite stock. Work along the 15 km trend comprises widely spaced soil geochemical surveys, airborne VTEM surveys plus limited geological mapping and prospecting. Detailed work conducted in a 3 km by 5 km area at the southeastern end of this trend focused on the Tiger Zone and included detailed grid soil geochemical surveys and diamond drilling of 71 holes.

The Tiger Zone is a stratigraphically-controlled gold deposit that trends northwest and dips moderately northeast and is characterized by replacement of host carbonates. It is currently 650 m long, 100 to 200 m wide, and up to 96 m thick. Mineralization is contained within a 40 m to 150 m wide zone of small-scale folding and shearing, which is itself developed in and adjacent to a regionally extensive corridor of highly strained rocks. The mineralized system is defined by a series of stacked and folded limestone horizons intercalated with locally extensive mafic flows and volcaniclastic units. Most of the exploration has been directed toward the Discovery Horizon, although there is evidence for at least two additional stratabound intervals of gold mineralization

Gold occurs in both sulphide and oxide material. Sulphide mineralization is accompanied by, and developed within, limestone which is replaced by ferruginous dolomite and iron carbonate minerals. Sulphide species consist of disseminated to banded pyrite, with subordinate arsenopyrite and pyrrhotite, and minor bismuthinite and sphalerite. Small amounts of disseminated scheelite are also present. The main sulphide minerals exhibit at least three stages of mineralization. The best intersection from sulphide-bearing mineralization averaged 4.04 g/t gold over 96.01 m from hole Rau-09-66.

Oxide mineralization is completely devoid of sulphide minerals and ranges from very competent, weakly

porous limonitic mud to rubbly porous limonitic grit. The oxide appears texturally amorphous in most intersections but occasionally exhibits residual color banding that may represent relict sulphide textures. Complete oxidation extends up to 150 m from surface. The best oxide grades (e.g., hole Rau-09-19, which assayed 24.07 g/t gold across 28.04 m) and deepest oxidation occur where north-striking extensional faults intersect the regional northwest-striking structure. The nature of the contacts between the oxide and sulphide facies is poorly understood, as is the gold distribution in the mineralized horizon and within individual sulphide species. Mineralization at the Tiger Zone remains open along strike and down dip, as well as at depth across a normal fault that locally defines the southwest margin of the favourable structural corridor.

In addition to the work done at the Tiger Zone, ATAC identified six new surface gold zones by following up high values from grid and widely spaced reconnaissance soil sampling. The best zones are in a 500 m wide belt, which lies 2 to 5 km along strike to the northwest of the Tiger Zone, in and adjacent to the northwest-striking structural corridor. Anomalous soil geochemical values stretch intermittently for about 22 km to the northwest along the projected trace of the structural corridor, which is marked by electromagnetic conductors. Surface rock samples collected from talus or recessively weathered areas assayed between 1.0 and 18.5 g/t gold.

The Osiris Target Area in the SE block was delineated during the 2010 field season. The following description is taken from ATAC's press release dated July 29, 2010.

The Osiris Showing occurs within the Sten claim block that was staked in 2009 to cover a 17 km long mountain range where five of six stream sediment samples in the federal government stream sediment database were highly anomalous for arsenic. Follow up reconnaissance-scale stream sediment sampling in 2009 identified several areas that warranted additional exploration, in particular one 2 km long tributary of one of the anomalous drainages that is characterized by stream sediment gold values ranging from trace to 2 g/t gold. Prospecting in the headwaters of this creek revealed gold mineralization over a widespread area.

Mineralization is hosted by carbonate rocks of uncertain age that are folded into a southerly plunging anticline and occurs in the form of narrow veins, veinlets, stockworks and disseminations of realgar and orpiment (both are arsenic sulphide minerals) accompanied by calcite flooding. The discovery has been traced for a 1 km strike length on both limbs of the fold. The strongest soil geochemical response corresponds to a 40 m wide breccia zone that lies along the fold axis where soils commonly contain in excess of 1 g/t gold, and range from trace to a maximum value of 17.5 g/t gold. The core of the gold and arsenic geochemical anomaly covers an area of approximately 150 by 500 m with 60% of the soil samples grading in excess of 1 g/t gold.

The Osiris mineralization is distinctly different in character from the Tiger Zone mineralization in that realgar and orpiment appear to be the primary gold bearing minerals -- rather than pyrite and arsenopyrite. The Osiris mineralization occurs in limestone debris flows and turbidite deposits characteristic of an offshore sedimentary environment, whereas the Tiger Zone is hosted by shallow water dolomitized limestone. The mineralogy, chemistry and geological setting of the Osiris Showing are more characteristic of Carlin-style mineralization than Tiger Zone. Realgar and orpiment with calcite flooding are common attributes of areas peripheral to, or above, certain gold deposits of the Carlin type.

4. PREVIOUS WORK

Figure 7 shows an image of the regional TMI magnetics. The Central and NW blocks are located within a large area of more complex magnetics, while the SE block lies in a relatively “quiet” area, on the southeast flank of a broad magnetic high.

Figure 8 shows the regional gravity, with the stations marked. The station spacing is too wide to delineate prospect scale features. A broad gravity high loosely correlates with the complex magnetic feature covering the Central and NW blocks, suggesting that more mafic rocks may underlie this area. The SE block is located within a gravity low. A more localized gravity high correlates with the magnetic high northwest of the SE block, but this is defined by a single reading and consequently its size is questionable.

A VTEM airborne EM and magnetic survey was flown for Archer, Cathro and Associates Ltd. between August 2007-September 2008, over an area similar to the ZTEM Central block (the flying was interrupted several times by bad weather). Figure 9 compares the survey boundaries of these surveys. The VTEM survey data was interpreted by Condor (Irvine, 2009).

The VTEM survey defined relatively subtle conductive zones correlating with the Tiger zone and other Au prospects to the northwest. Comparison of the VTEM and ZTEM data is discussed later in this report.

Exploration to date has been concentrated on the Tiger zone in the Central block (Figure 10) and extensions along strike to the northwest. In early 2010 gravity surveys were carried out over the Grid2 (Tiger), ZTEM, Puma and El zone grids and an IP survey was carried out over the El zone (these grids are shown in Figure 10). Correlation of the gravity and IP with the ZTEM results is discussed later in this report.

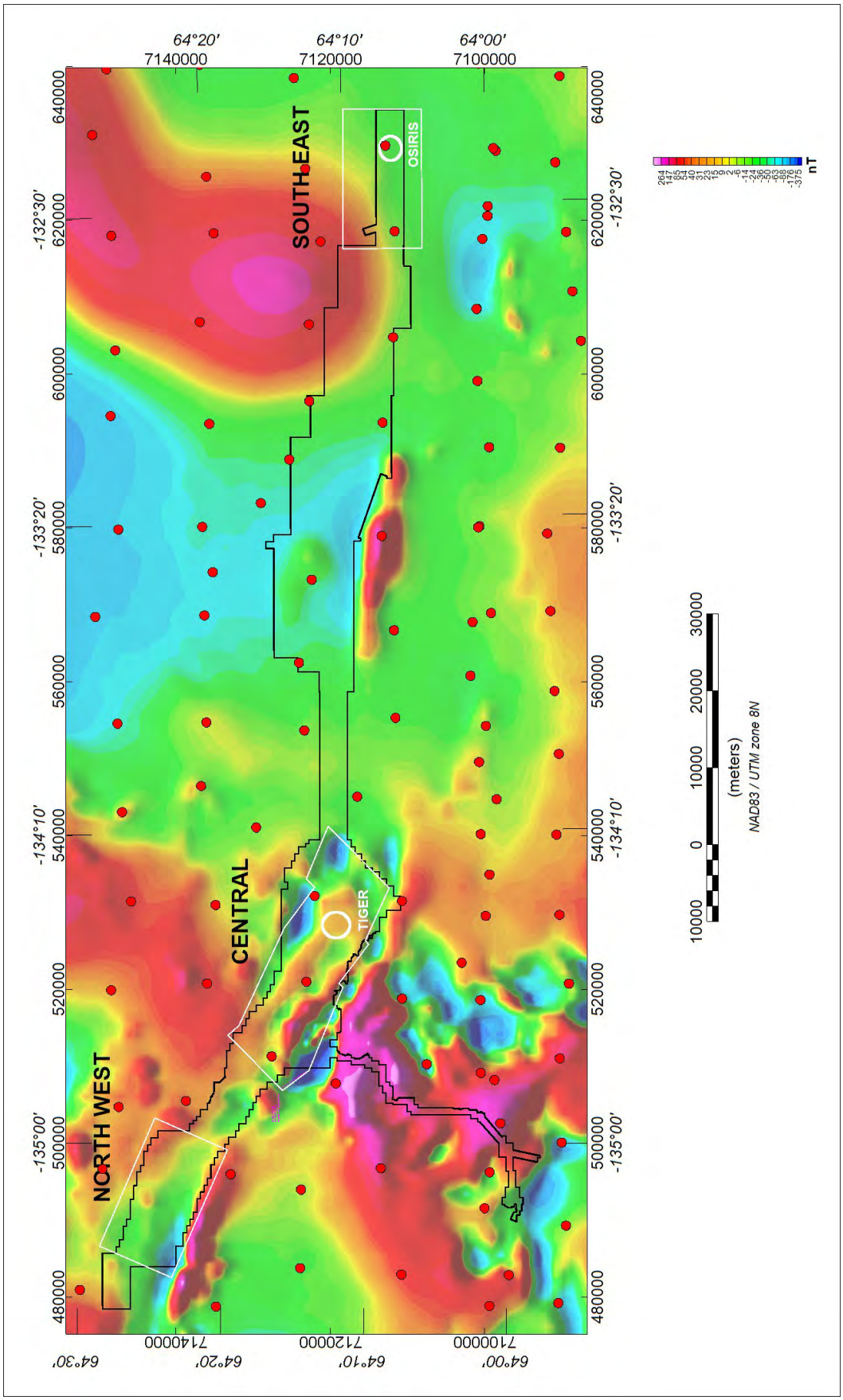

Figure 7: Regional TMI image, with ZTEM survey blocks annotated.

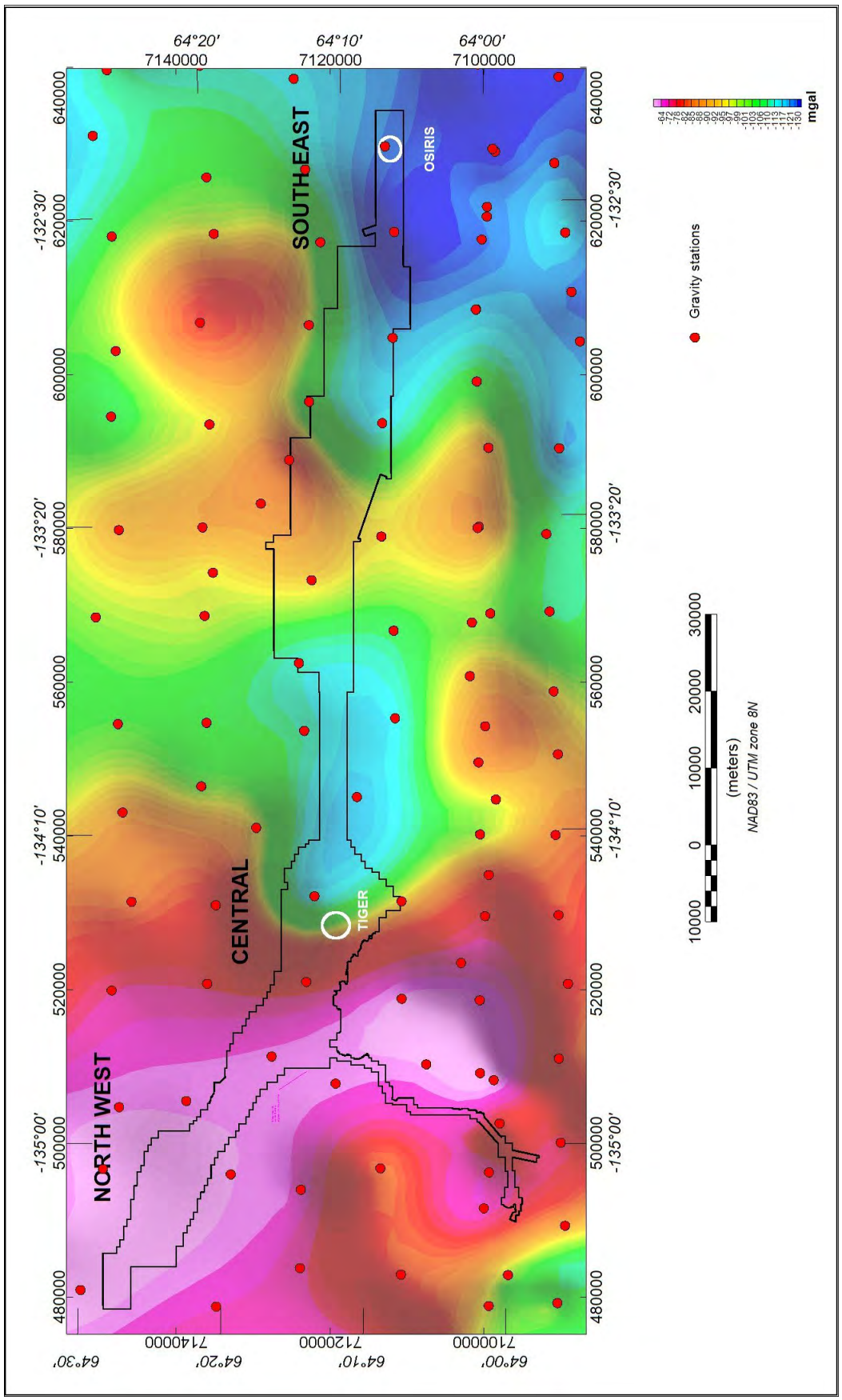

Figure 8: Regional gravity.

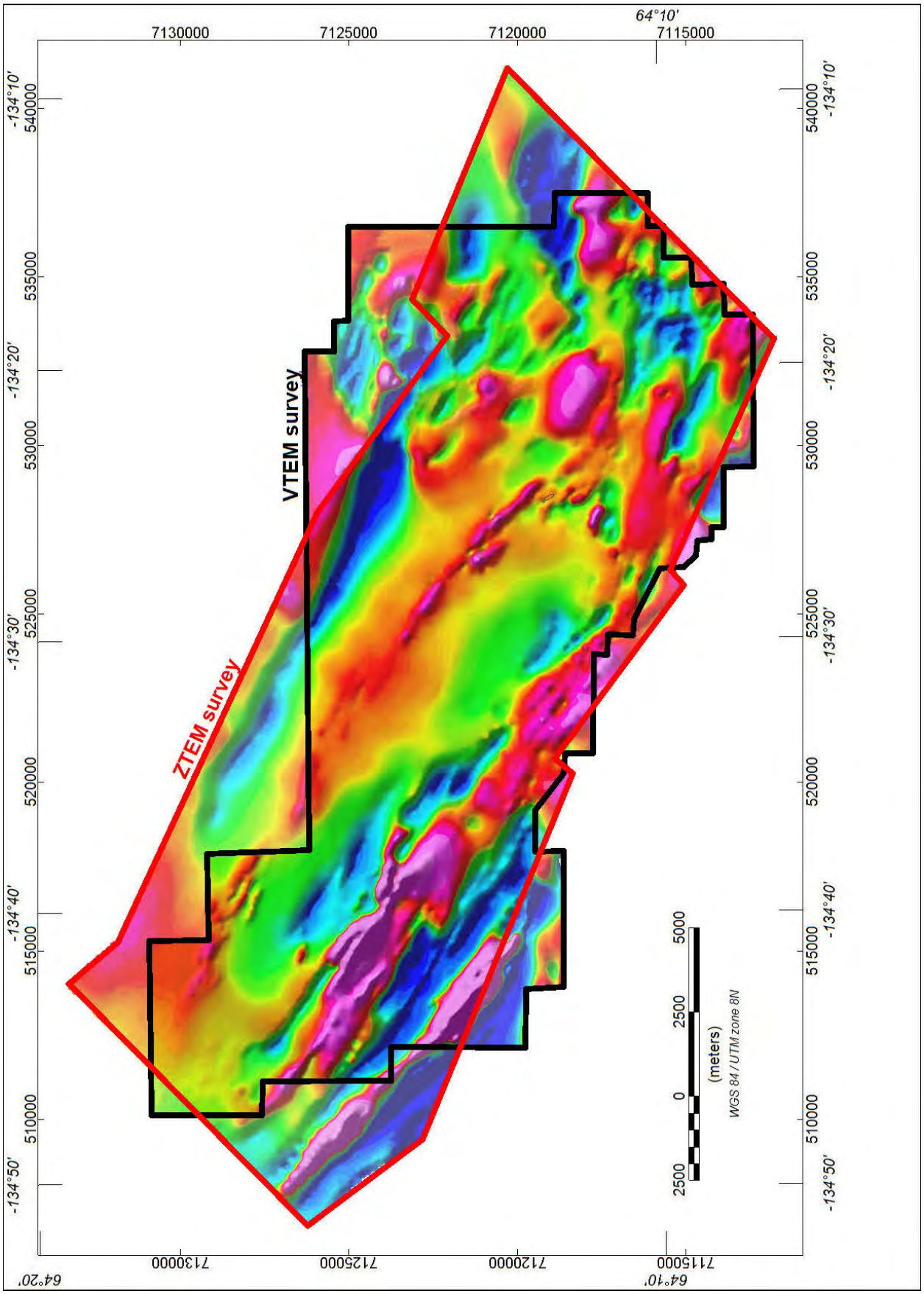

Figure 9: Central block – comparison of VTEM and ZTEM survey areas (image is TMI).

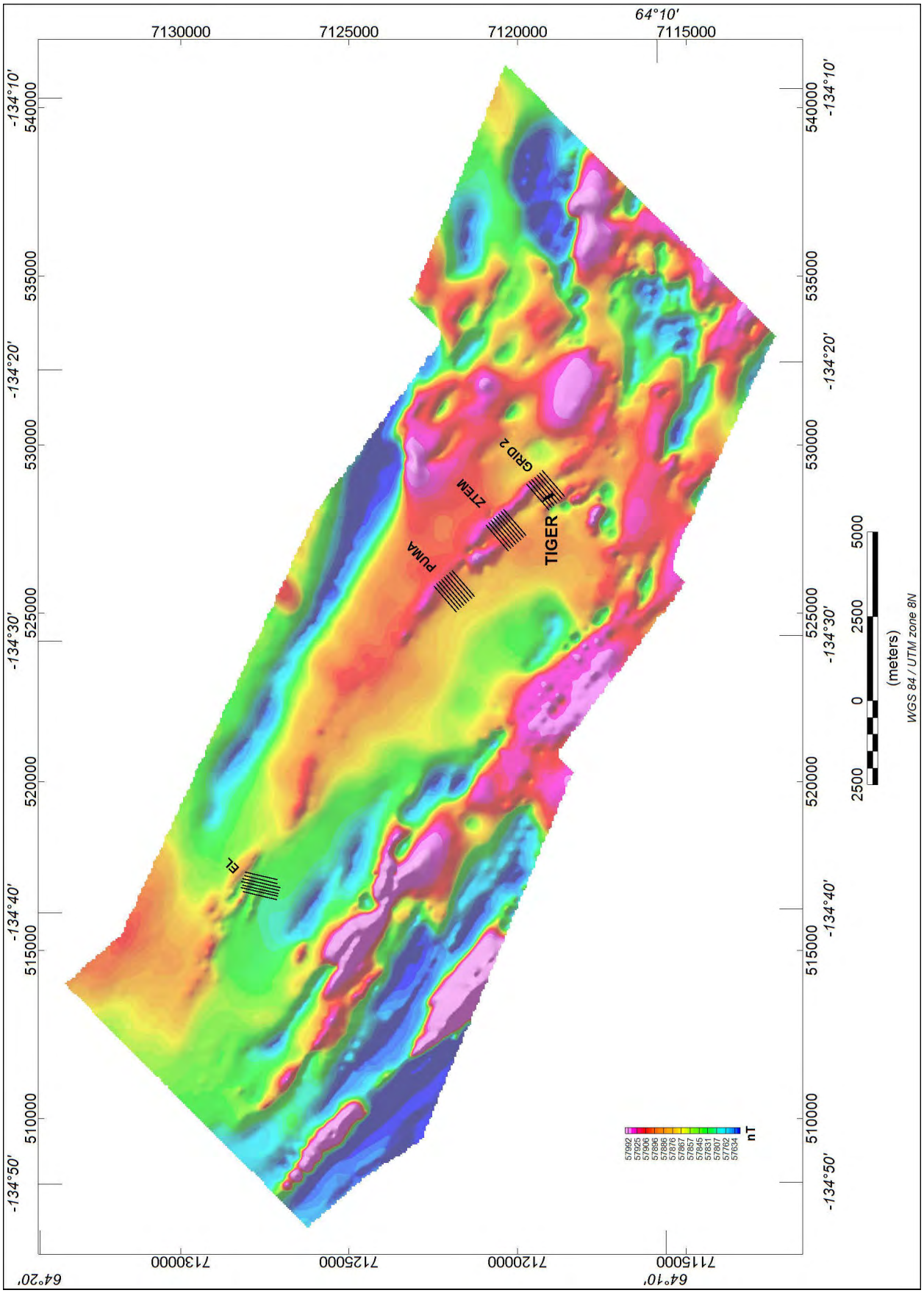

Figure 10: Central block - location of detailed grids.

5. PRODUCTS, PROCESSING AND ANALYSIS TECHNIQUES

ZTEM

Geotech Products

Geotech delivered grids and maps produced from the ZTEM data for each of the three blocks. An explanation of these products is included in their report (Milicevic, B., Legault, J. and Smith, G., 2010). For convenience, their description of Total Divergence and Phase Rotation is included in Appendix B.

The 720Hz data is typically somewhat noisy and less reliable than the lower frequencies.

The ZTEM receiver measures the vertical (Z) component, which is normalized by the horizontal components (X and Y) at the ground base station. X is component in the along-line direction while Y is the component in the across-line direction. In this report, the terminology Z/X and Tzx are equivalent, as are Z/Y and Tzy. In parts of this report, Z/X and Z/Y are abbreviated to X and Y components.

GRIDS (for each frequency 30, 45, 90, 180, 360 and 720Hz):
Z/X In-Phase Component Phase Rotated
Z/X Quadrature component Phase Rotated
Z/Y In-Phase Component Phase Rotated
Z/Y Quadrature component Phase Rotated
Total Divergence grid from In-phase components
Total Divergence grid from Quadrature components
Total Phase Rotated grid from In-phase components
Total Phase Rotated grid from Quadrature components

MAPS @1:20 000 scale in Geosoft MAP format, as follows:
Total Magnetic Intensity (TMI)
Digital Elevation model (DEM)
3D View of In-Phase Total Phase Rotated Grids versus Skin Depth
30Hz Z/X Component In-Phase Phase Rotated
90Hz Z/X Component In-Phase Phase Rotated
360Hz Z/X Component In-Phase Phase Rotated
30Hz In-Phase Total Phase Rotated Grid
90Hz In-Phase Total Phase Rotated Grid
360Hz In-Phase Total Phase Rotated Grid

30Hz Quadrature Total Phase Rotated Grid
90Hz Quadrature Total Phase Rotated Grid
360Hz Quadrature Total Phase Rotated Grid
Z/X (In-line) In-Phase Profiles over 90Hz Phase Rotated In-Phase Grid
Z/X (In-line) Quadrature Profiles over a 90Hz Phase Rotated Quadrature Grid.
Z/Y (Cross-line) In-Phase Profiles over 90Hz Phase Rotated In-Phase Grid
Z/Y (Cross-line) Quadrature Profiles over a 90Hz Phase Rotated Quadrature Grid.

Geotech provides what might be considered an excessive number of grids for the ZTEM survey, likely due to the relative newness of the technique and the lack of controlled case studies to define the likely geological significance of the various grids. Condor has been working on a number of ZTEM case studies to assist in the general better understanding of the technique; these are provided in Appendix A.

The Z/X grids are generated using the Tzx (along line) component and are thus more sensitive to conductive and resistive features generally perpendicular to the flight lines. The Z/Y grids are generated using the Tzy (across line) component and thus are more sensitive to features parallel to the flight lines. The Total Divergence (DT) and Total Phase Rotated (TPR) grids use both components and consequently provide less strike-sensitive maps.

For an individual survey, it is useful to examine the correlation of the various grids with the known geology and empirically the one which best defines the lithologies and structures. For the Central block, the Z/X In-Phase Component Phase Rotated grid for 180Hz best defines the Tiger mineralized zone and its extension through Puma to the northwest, so interpretation has been based principally on this grid. (This grid has the file name XIP_180Hz_PR). In the Southeast block a small area surrounding the newly-discovered Osiris zone has geological mapping, but no mapping covering the Northwest block was available to the author. In view of its application in the Central block, the Z/X In-Phase Component Phase Rotated grid for 180Hz was also used for interpretation in the other two blocks, but since the geology, alteration and style of mineralization is likely different other grids were also used.

Geotech ran 2D inversions on a limited data set in the Central block - two lines over Puma (4050 and 4070) and two lines over El (6680 and 6690). Details of their software and the conductivity depth sections generated from these inversions are contained in their report (Milicevic et al, 2010).

Condor Processing

2D Inversions

Condor carried out 2D Occam inversions of every line of the ZTEM data to produce conductivity depth sections, using open source code (deGroot-Hedlin and Constable, 1990; Wannamaker at al., 1987; deLugao and Wannamaker, 1996), modified for ZTEM data. These inversions use only the Tzx (along-line) component and thus are most sensitive to across-line conductivity variations. Details are contained in Appendix B.

Apparent Resistivity Maps

Apparent conductivity maps were produced for each frequency, using the method of Becken and Pedersen (2003). This product uses both the Tzx and Tzy components and thus maps both across-line and along-line conductivity variations. The higher frequencies map shallow conductivity variations while the lower frequencies respond more to deeper features.

Karous-Hjelt Filter

This filter facilitates data interpretation by turning cross-overs into peaks and troughs. Grids and pseudosections were derived from the Tzx inphase response.

MAGNETICS AND GRAVITY

In addition to the normal filters available in the Geosoft application, additional processing was done on the ZTEM magnetic data using the encompass[1] software and algorithms described by Shi and Butt (2004) – this paper is included in Appendix G (DVD). These enhancements are termed ZS filters. A variety of enhancements were produced, but one is deemed to be particularly useful in the present study, termed Tilt (Verduzco et al, 2004). This grid is provided as one of the TargetMaps (see Section 10).

UBC MAG3D and GRAV3D Inversion

The University of British Columbia (UBC) 3D magnetic data inversion program MAG3DINV, version 4.0, was used to invert the ZTEM magnetic data to a voxel model (Li and Oldenburg, 1996). The similar program GRAV3D (Li and Oldenburg, 1998) was used to invert gravity data acquired in early 2010 on four grids shown in Figure 8. More information on these programs is included in Appendix C.

[1] encompass is the product of Pitney Bowes Business Insight.

INDUCED POLARIZATION

The IP data acquired in early 2010 on the El grid (Aurora Geosciences, 2010) was inverted by Condor using UBC DCIP2D software (Oldenburg and Li, 1994). A description on this software is included in Appendix D.

ANALYSIS TECHNIQUES AND ISSUES

Target Zones

The ZTEM system operates quite differently than traditional airborne EM systems such as VTEM. Condor has provided a short note on these differences in Appendix A.

In this survey Target Zones (TZs) are deemed to be conductive zones and have been prioritized based on their relative conductivity, together with their magnetic association and any other available geoscience data.

6. CENTRAL BLOCK INTERPRETATION

Several grids derived from the ZTEM data are shown in Figure 11 to facilitate comparisons. The images are:

(a) DEM
(b) XIP 180Hz PR
(c) IP 180Hz TPR
(d) YIP 180Hz PR
(e) IP 180Hz DT (reversed color palate)
(f) 180Hz Apparent Conductivity (Condor)

The “warm” colors represent conductors and the “cool” colors represent resistors. The color palate for the IP 180Hz DT image has been reversed to be compatible with this convention.

Significant differences are observed between the XIP_180Hz_PR and YIP_180Hz_PR grids, indicating that the strike direction of the geology is variable and not simply east-west (perpendicular to the flight lines). The IP_180Hz_TPR and 180Hz_Apparent_Conductivity grids, which are generated using both the Tzx and Tzy (along and across line) components, provide a better representation of the overall distribution of conductors in this block. The DT (Total Divergence) grid provides a (somewhat noisy) picture of conductor axes.

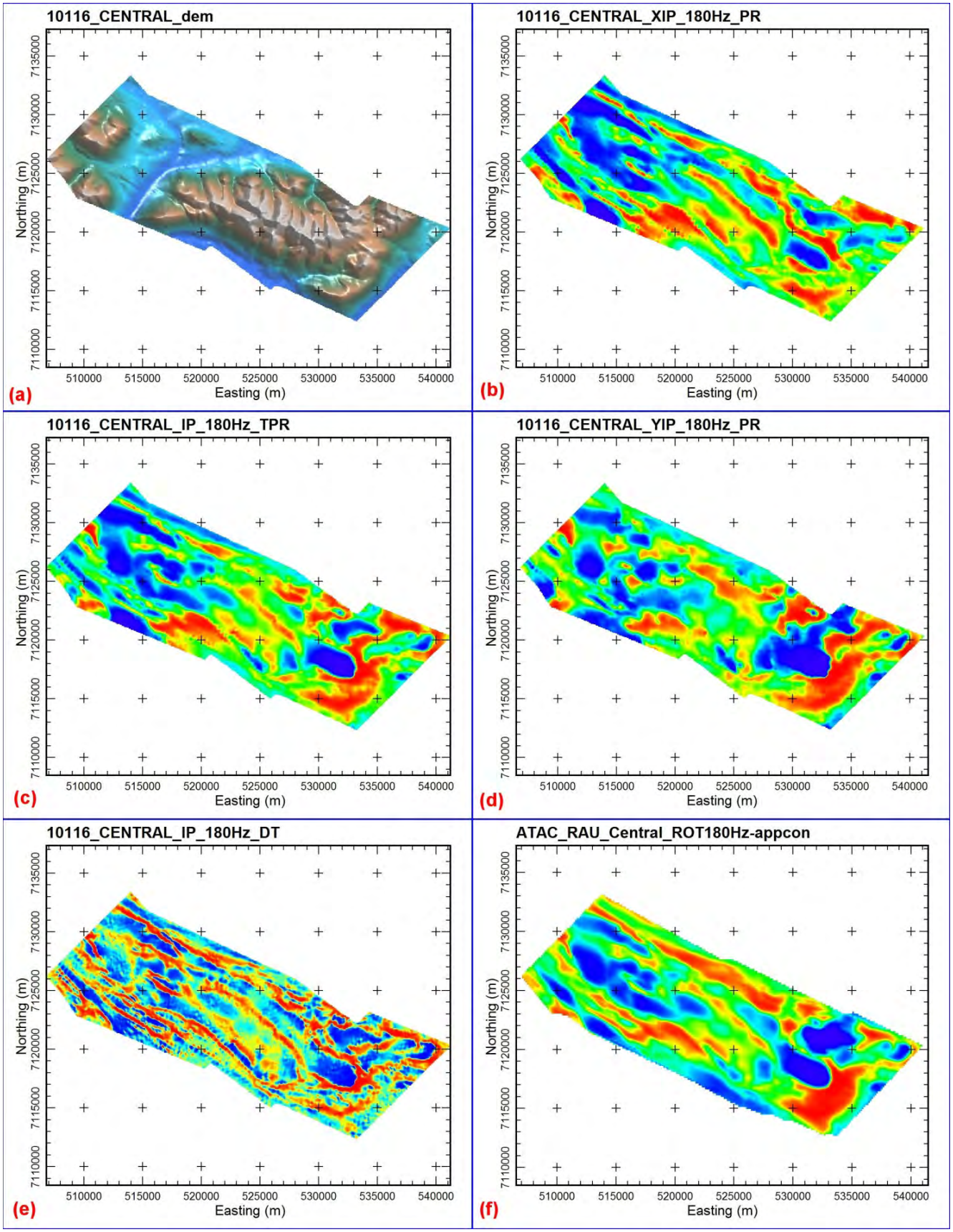

Figure 11: Central block – comparison of grids derived from ZTEM data (see text for details).

Figure 12 shows the Tilt magnetic image from the ZTEM survey, together with the axes of magnetic trends, interpreted faults and the extent of the magnetic unit apparently associated with mineralization. The latter was defined using the VTEM magnetics, which has better resolution than the ZTEM magnetics, as the average sensor height was significantly lower (80 m compared to 166 m). The same features are overlaid on the RTP image in Figure 13.

The favorable sedimentary package containing Tiger and the other mineralized zones has relatively subdued magnetic character. A linear, relatively narrow magnetic unit extends in almost unbroken fashion for approximately 22 km, from southeast of Tiger to beyond El. This unit trends in a NW-SE direction approximately 500 m northeast of Tiger. This suggests that Tiger, El and the prospects between (ZTEM and Puma grids) all lie within the same stratigraphic horizon. To the north and south of this unit the magnetic images show numerous magnetic lows which appear to be due to reversely magnetized intrusive and/or volcanics. These areas do not appear prospective for Au mineralization. Based on these observations, the block has been divided into Prospective and Non-Prospective areas (Figure 14).

Figure 15 shows the XIP 180Hz PR image, with conductor axes highlighted. This appears to be the best image and frequency for tracing conductors in this area. The Tiger mineralization lies at the southeastern end of a well-defined conductor trend approximately 10.0 km long, which extends northwest through the Puma zone. There is a gap of 2.5 km and then another, weaker, conductor trend extends through the El zone. Many other conductor trends have been defined on this image.

The complete interpretation of the magnetic and ZTEM is shown in Figure 16. As this is a crowded figure, the TZs have been isolated in Figure 17.

The TZs are defined as ZTEM conductors which lie within the Prospective sedimentary areas shown in Figure 14. They are labeled A-H, with A-E being 1st Priority and F-H being 2nd Priority (based on the strength of the conductor).

- TZ A is a long conductor encompassing Tiger at the SE end, as well as the ZTEM and Puma gravity grids.
- TZ B contains the El grid.
- TZ C is a relatively long and open to the NW) conductor in the far north of the block, which has no direct magnetic expression. It lies on the opposite side of the magnetic unit associated with mineralization compared to El, but possibly in a similar stratigraphic position if the latter unit has been folded.

- TZ D is a relatively strong conductor in the far west of the Block (and open to the west), that has no obvious magnetic signature.
- TZ E lies southeast of Tiger and appears to lie in a similar stratigraphic position.
- TZ F is located 1 500 m ESE of the El grid in a similar stratigraphic position.
- TZ G comprises possibly two weaker conductors on the western side of El grid and represents possible continuations of the mineralization.
- TZ H is a reasonable conductor located approximately 3 000 m southwest of Puma grid, but still within the Prospective area.

The ZTEM conductors do not appear to significantly correlate with terrain clearance or with the topography. Figure 18 shows the conductor axes superimposed on the DEM image. The conductors shown in the XIP 180Hz PR image in Figure 15 also do not show any significant correlation with topography.

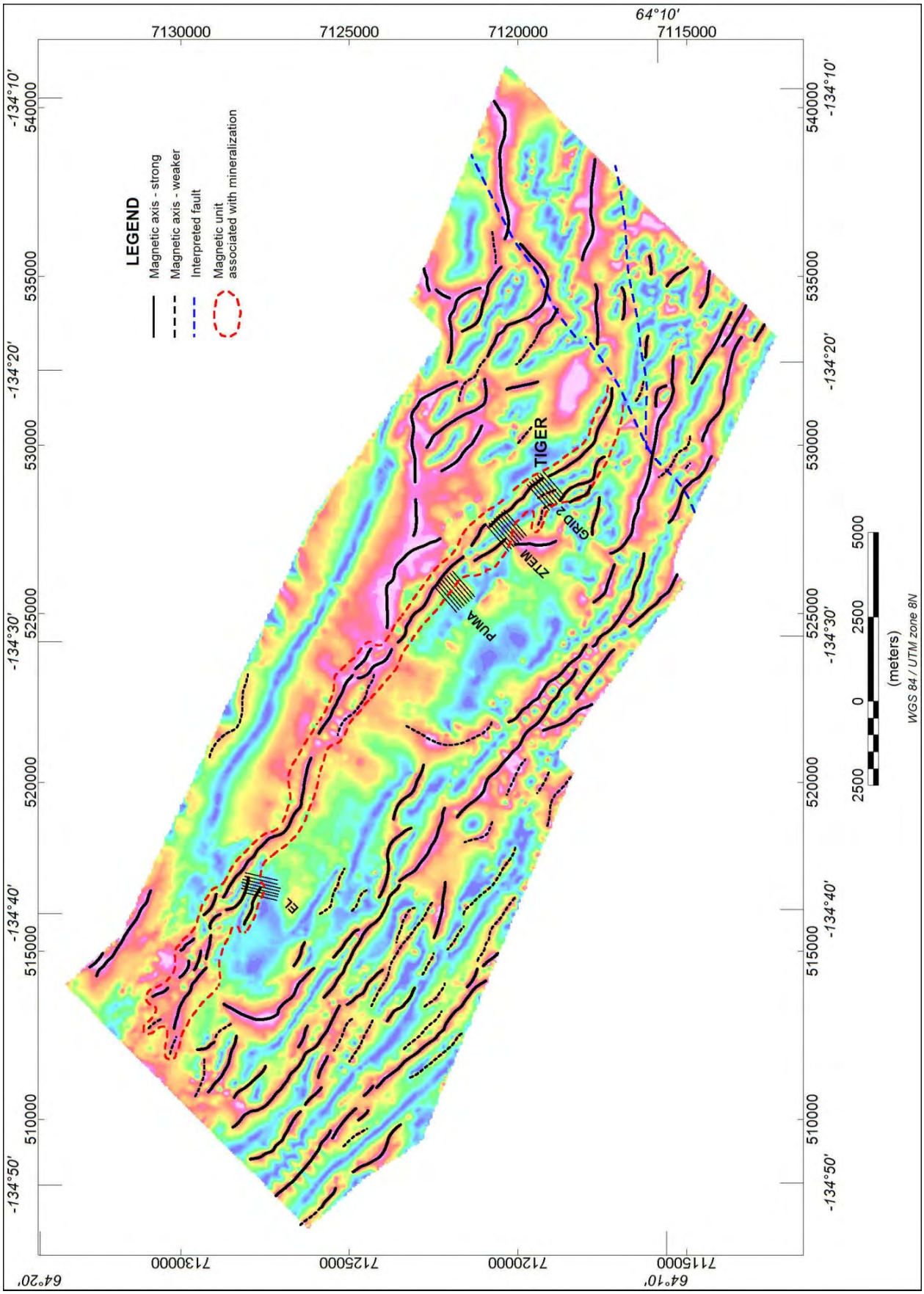

Figure 12: Central block - Magnetic interpretation on Tilt image.

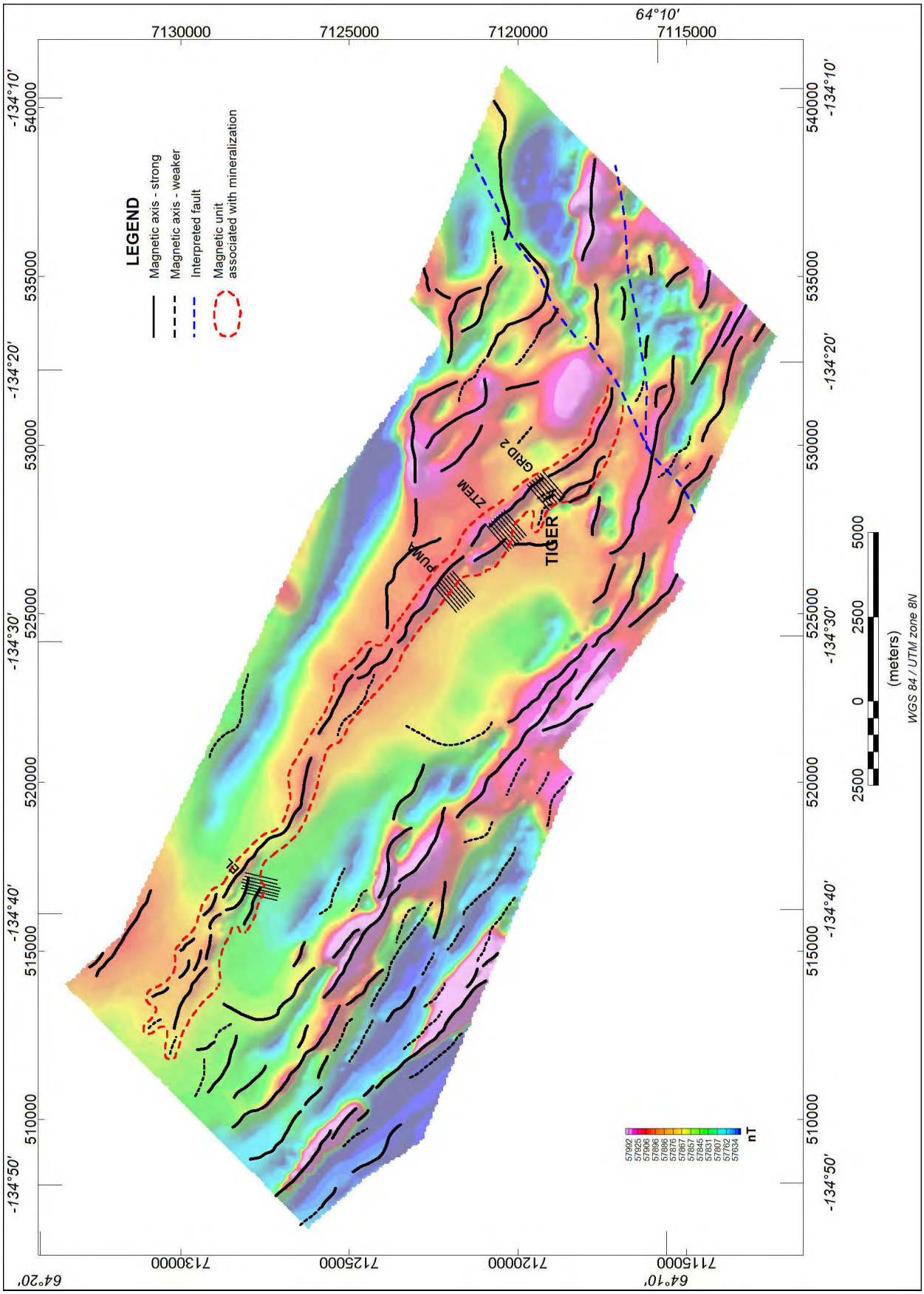

Figure 13: Central block - Magnetic interpretation on RTP image.

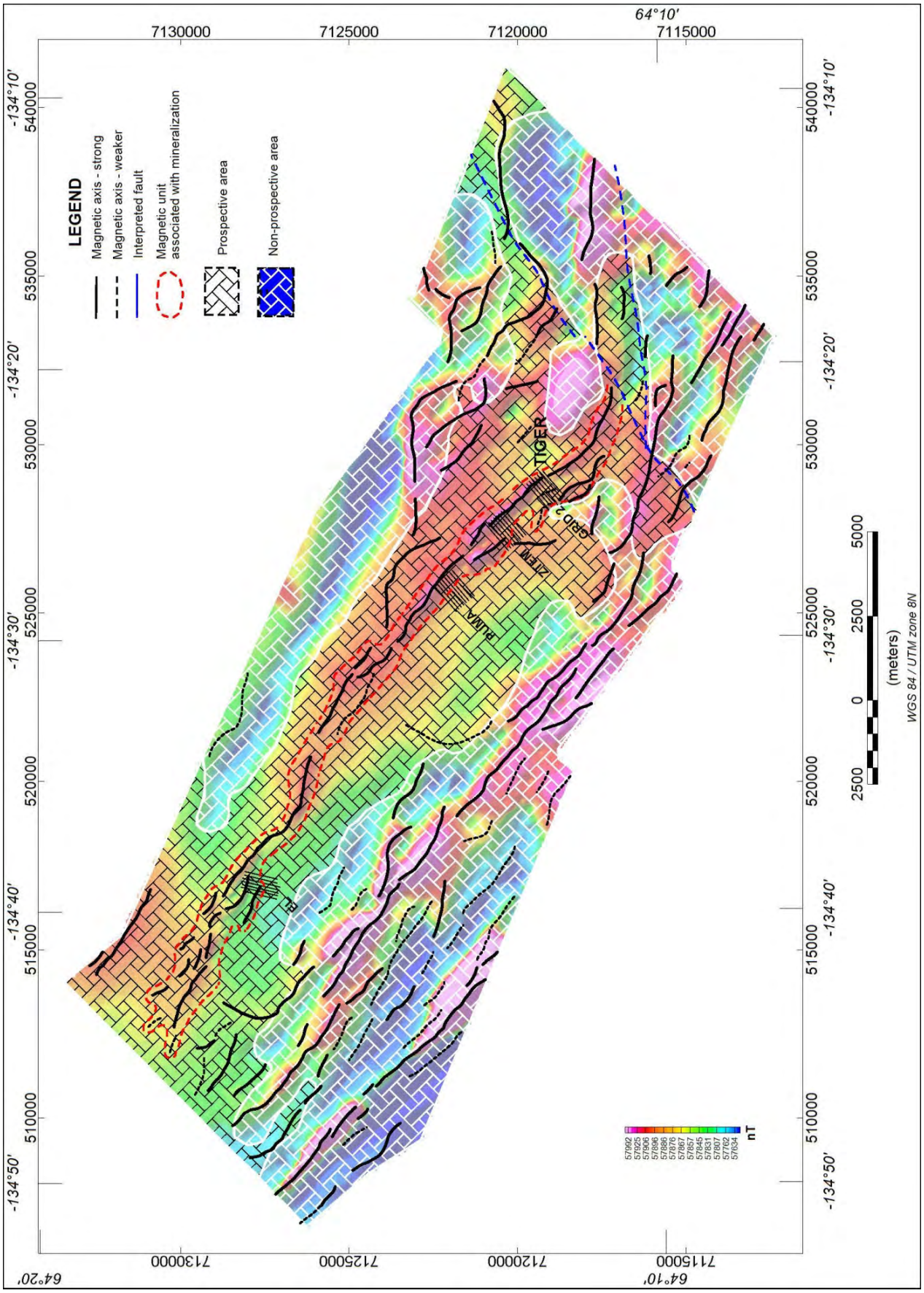

Figure 14: Central block - Magnetic interpretation showing prospective areas on RTP image.

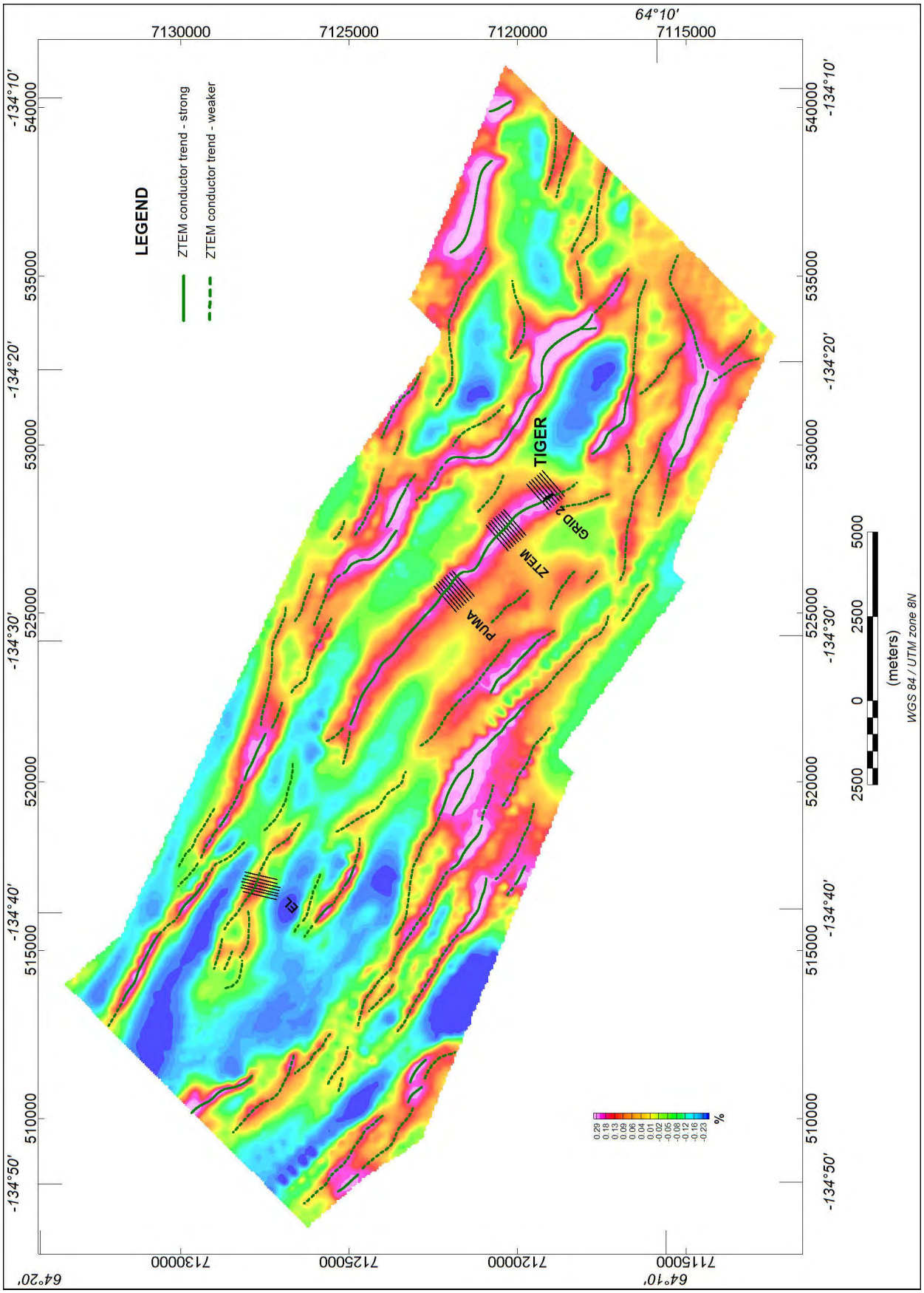

Figure 15: Central block – Conductor trends on XIP 180Hz PR image.

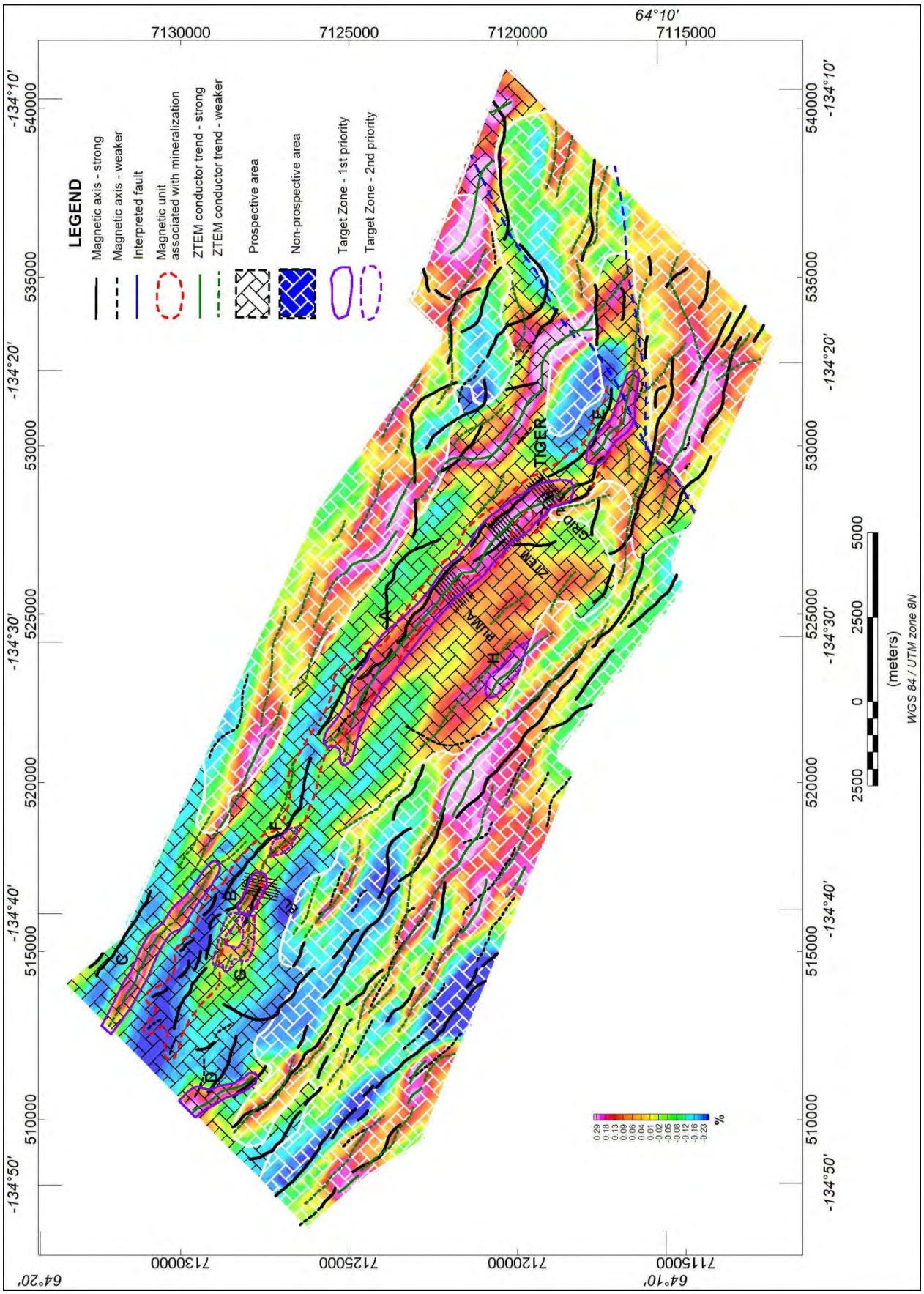

Figure 16: Central block – Complete interpretation XIP 180Hz PR image.

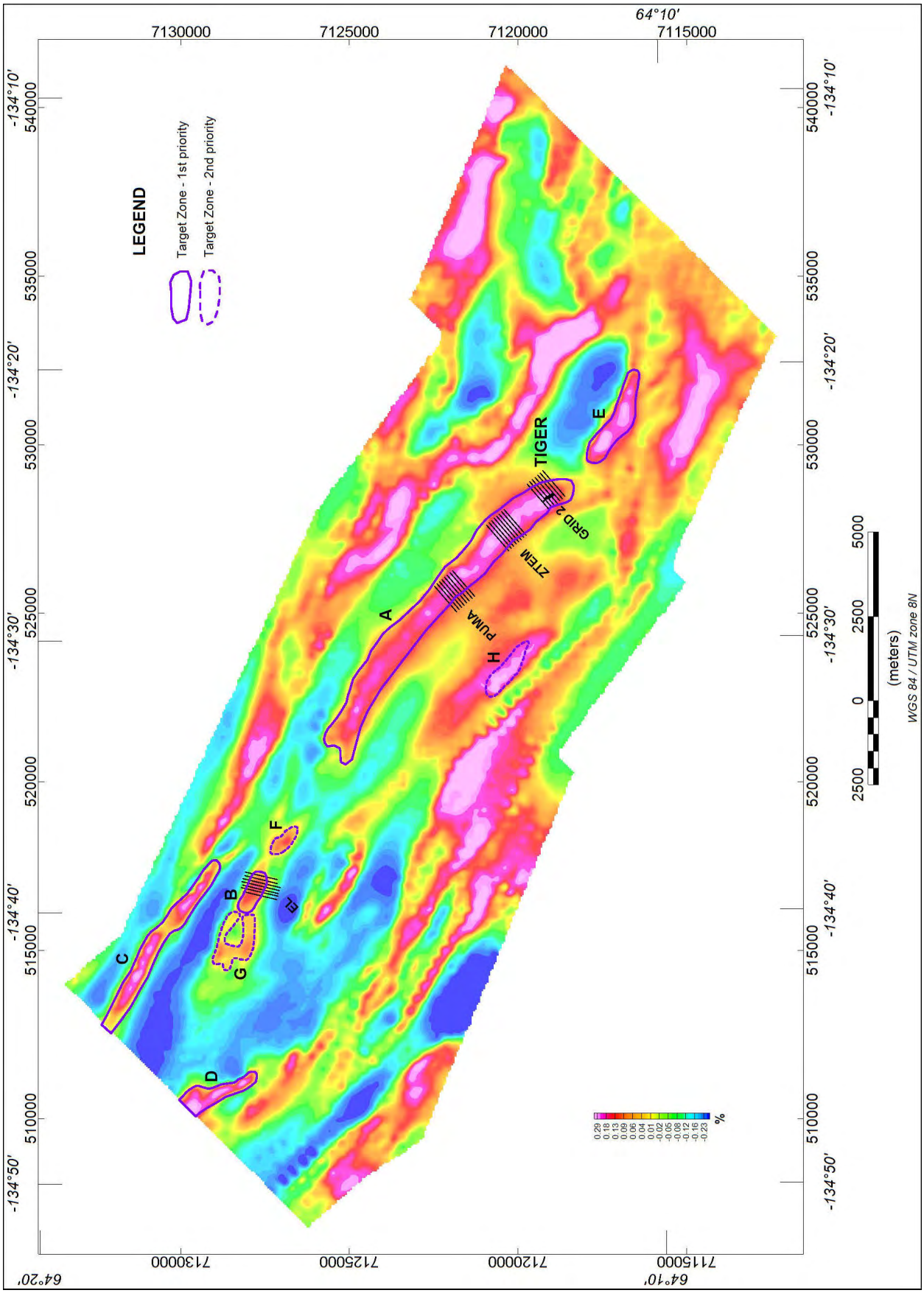

Figure 17: Central block – Target Zones on XIP 180Hz PR image.

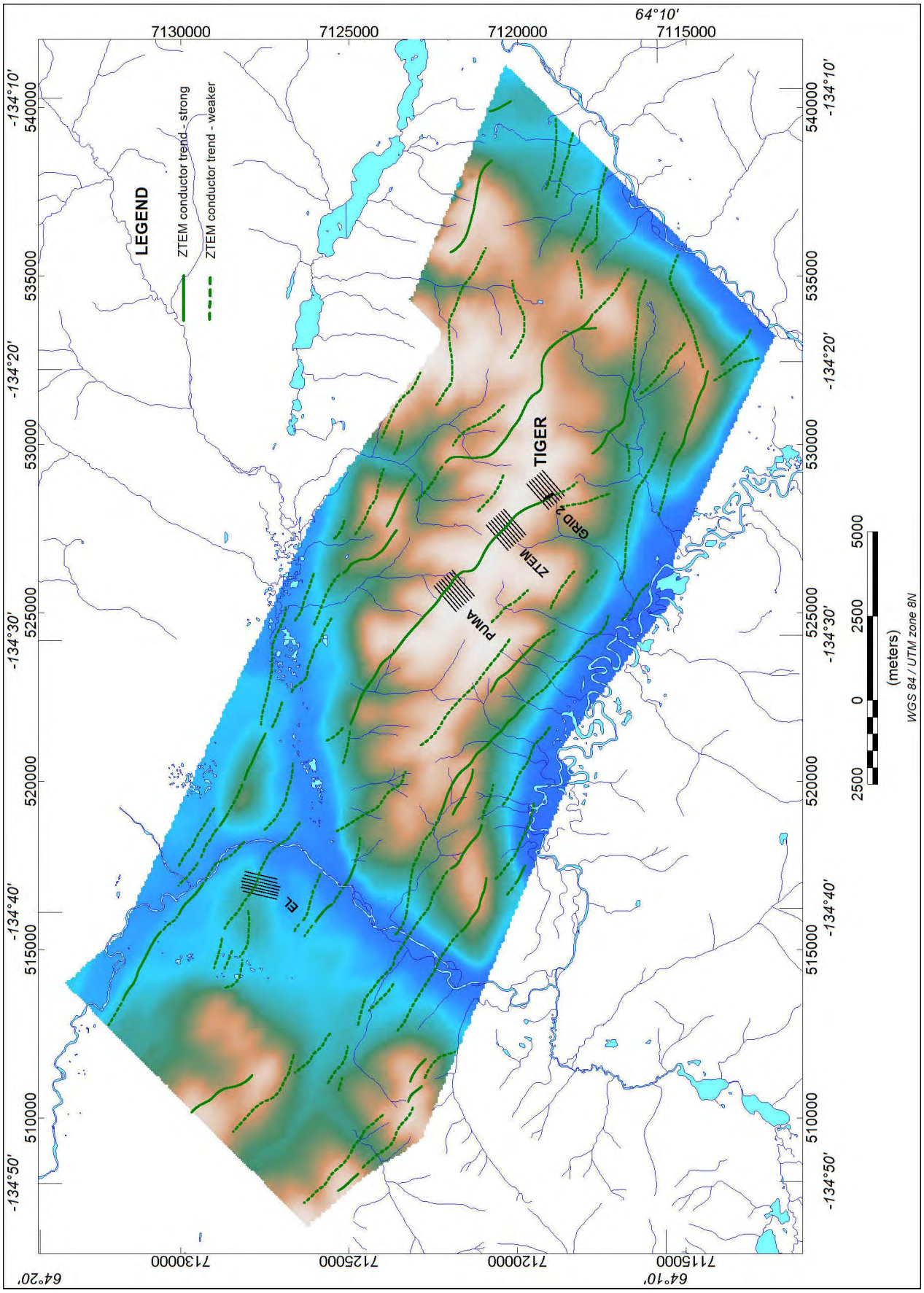

Figure 18: Central block – Conductor trends on DEM image.

7. SE BLOCK INTERPRETATION

To facilitate comparisons, several grids derived from the ZTEM data are shown in Figure 19. The images are:

(a) DEM
(b) XIP 180Hz PR
(c) IP 180Hz TPR
(d) YIP 180Hz PR
(e) IP 180Hz DT (reversed color palate)
(f) 180Hz Apparent Conductivity (Condor)

Differences are observed between the XIP_180Hz_PR and YIP_180Hz_PR grids, indicating that the strike direction of the geology is variable and not simply east-west (perpendicular to the flight lines). The IP_180Hz_TPR and 180Hz_Apparent_Conductivity grids, which are generated using both the Tzx and Tzy (along and across line) components, provide a better representation of the distribution of conductors in this block and indicate that the general strike direction is WNW-ESE. The DT grid provides a (somewhat noisy) picture of conductor axes.

The RTP magnetic image (Figure 20) shows a major, east-west trending magnetic boundary which extends across the entire block, with more magnetic rocks to the north and less magnetic to the south. The Tilt image (Figure 21) shows a variation in magnetic trends – there is a lack of dominant curvilinear features. In the western part of the block, the more obvious trends are WNW-ESE, but elsewhere the trend directions are more random, with one stronger E-W trend in the eastern part, just north of the major magnetic boundary. The Osiris area (outlined by a black rectangle) does not stand out on either of the magnetic images.

Conductor trends based on the XIP_180Hz_PR image are shown in Figure 22.

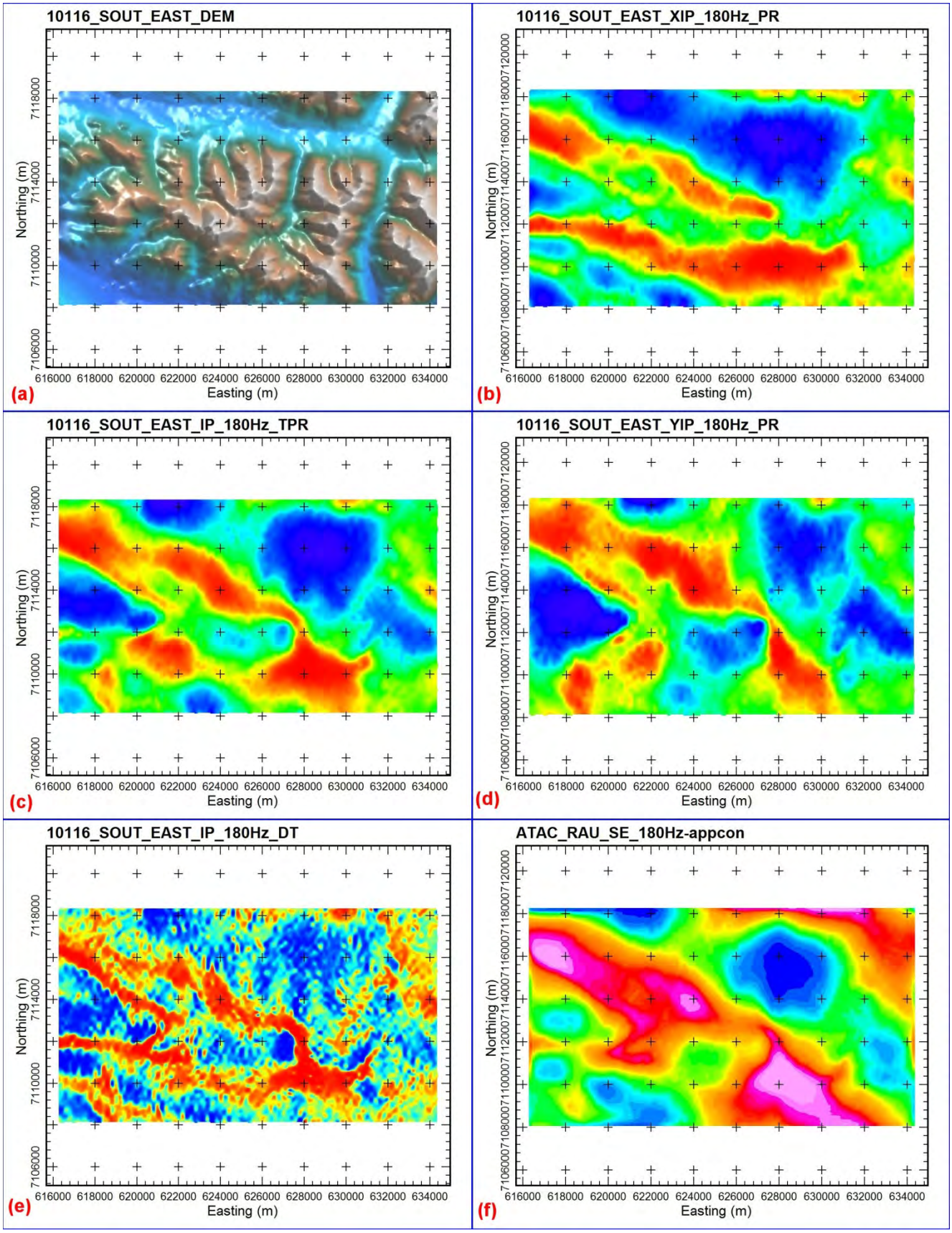

Figure 19: SE block – comparison of grids derived from ZTEM data (see text for details).

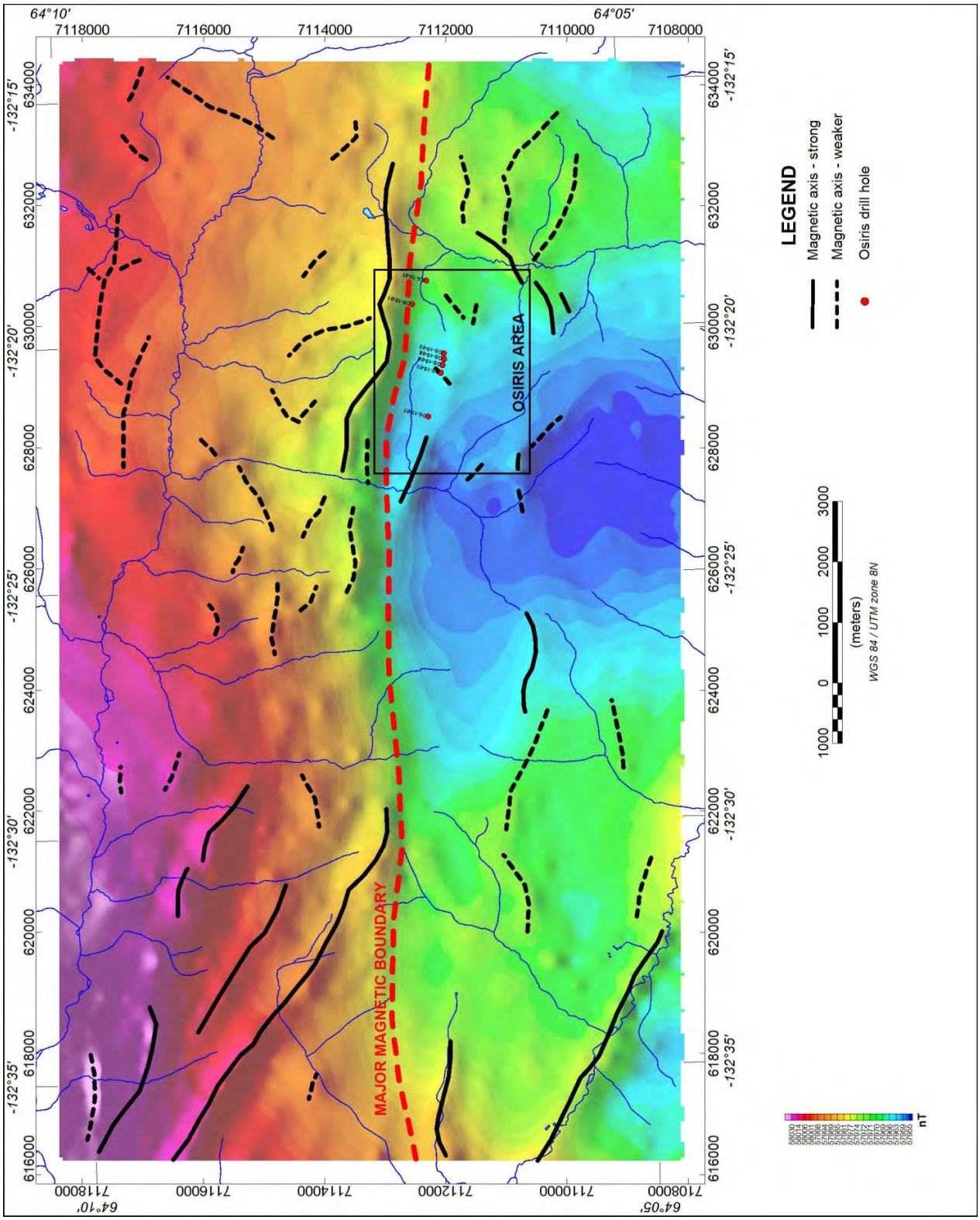

Figure 20: SE block – Magnetic interpretation on RTP image.

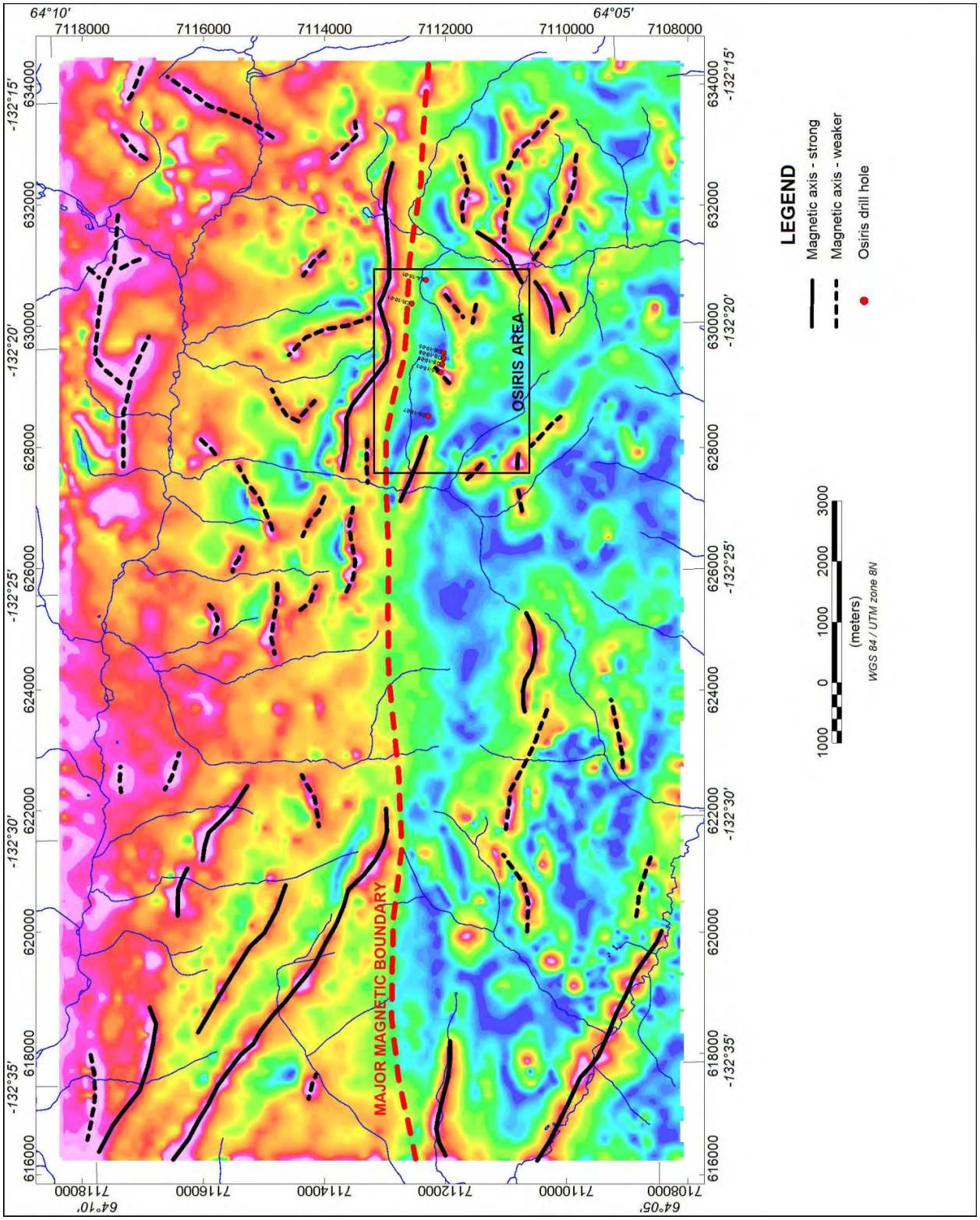

Figure 21: SE block – Magnetic interpretation on Tilt image.

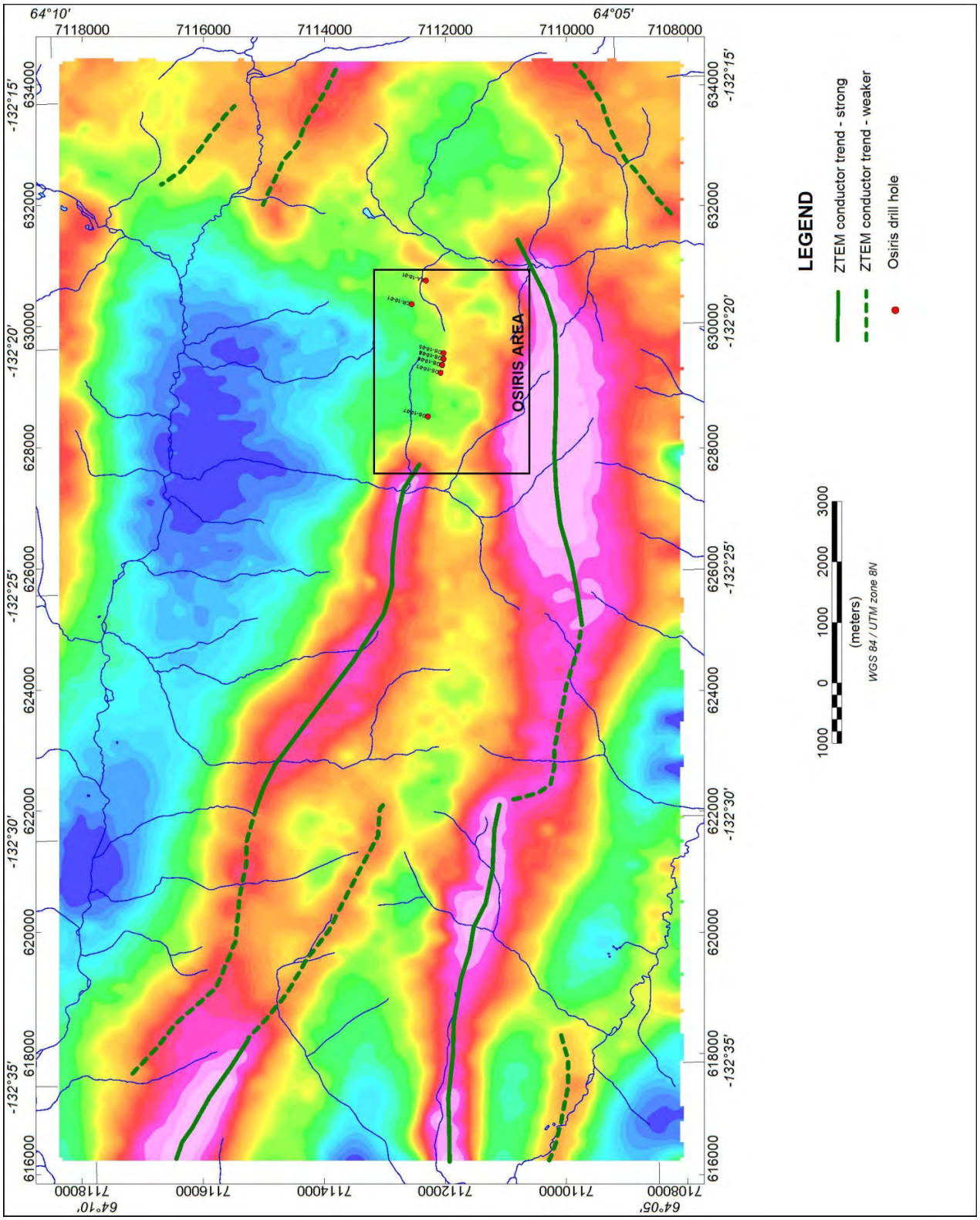

Figure 22: SE block – Conductor trends on XIP 180Hz PR image.

Three relatively strong conductive zones (1st priority) have been defined, labeled as TZ A, B and C, together with three relatively weaker zones (2nd priority) labeled as D, E and F (Figure 23).

- TZ A is relatively wide (up to 2 km), trends approximately E-W and lies south of the major magnetic boundary in less magnetic rocks. Several relatively weak magnetic axes lie within this TZ, but it does not have an obvious magnetic association.
- TZ B trends NW-SE (open to the west) and lies completely north of the major magnetic boundary. It correlates closely with a linear magnetic trend. Both the conductor and the magnetic trend appear to be truncated at the major magnetic boundary.
- TZ C is sub-parallel to TZ B, but has no obvious magnetic association, except at the extreme southeast end. It lies mostly north of the major magnetic boundary, but the southern part extends across this boundary, where the conductor is associated with the magnetic trend.
- TZ D is a weaker conductor located at the northern edge of the block and extending outside it, so it is not fully defined. It has no obvious magnetic signature.
- TZ E is a weaker conductor extending outside the eastern edge of the block, where it is stronger. It has no obvious magnetic signature.
- TZ F is a broad, diffuse, weakly conductive zone at the southeast corner of the block, with no obvious magnetic signature

Figure 24 shows the geophysical interpretation overlain on the DEM image. There is no obvious correlation of the TZ with the topography, other than the TZ mainly occupy the higher ground and none are located in the valleys.

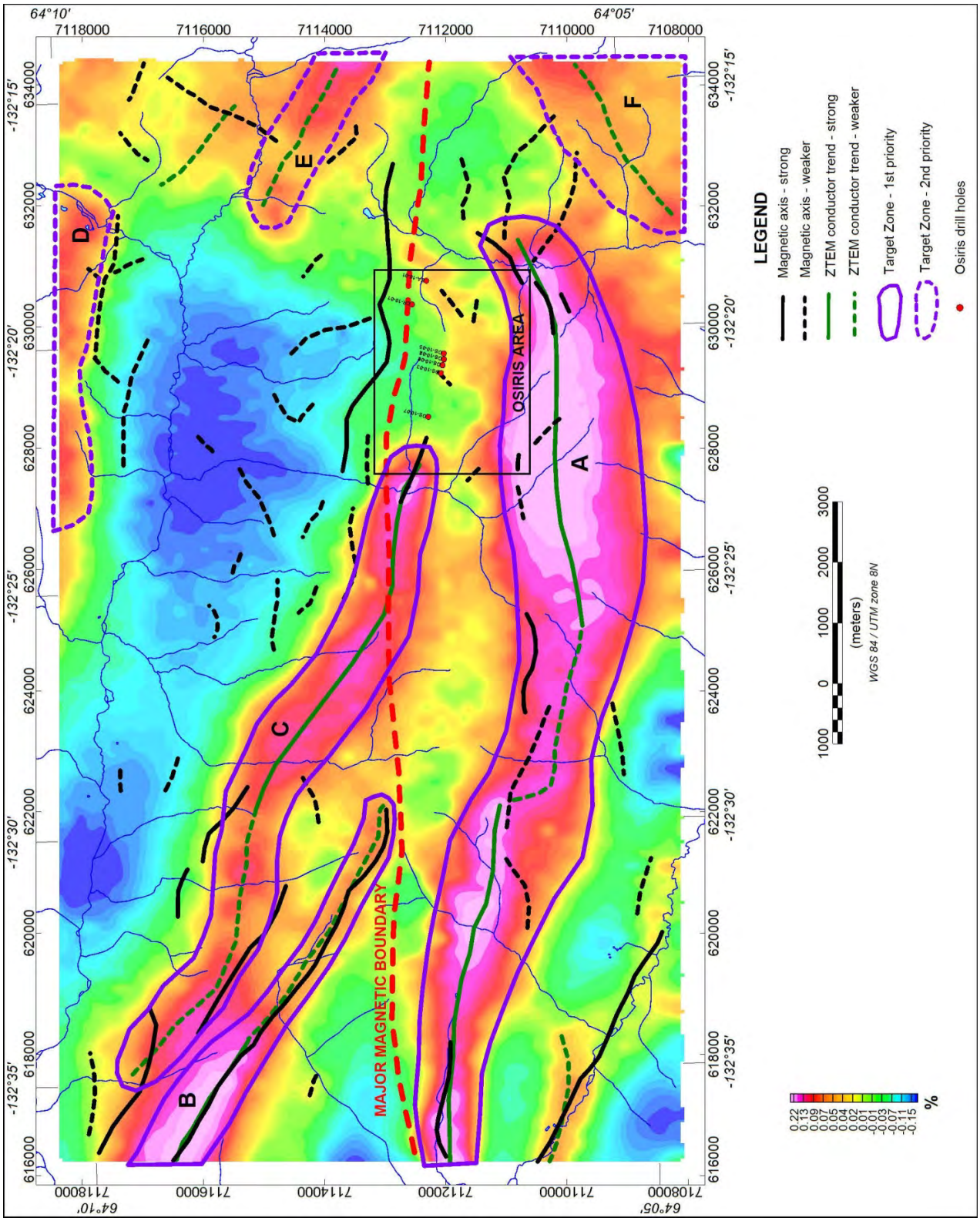

Figure 23: SE block – Interpretation and TZs on XIP 180Hz PR image.

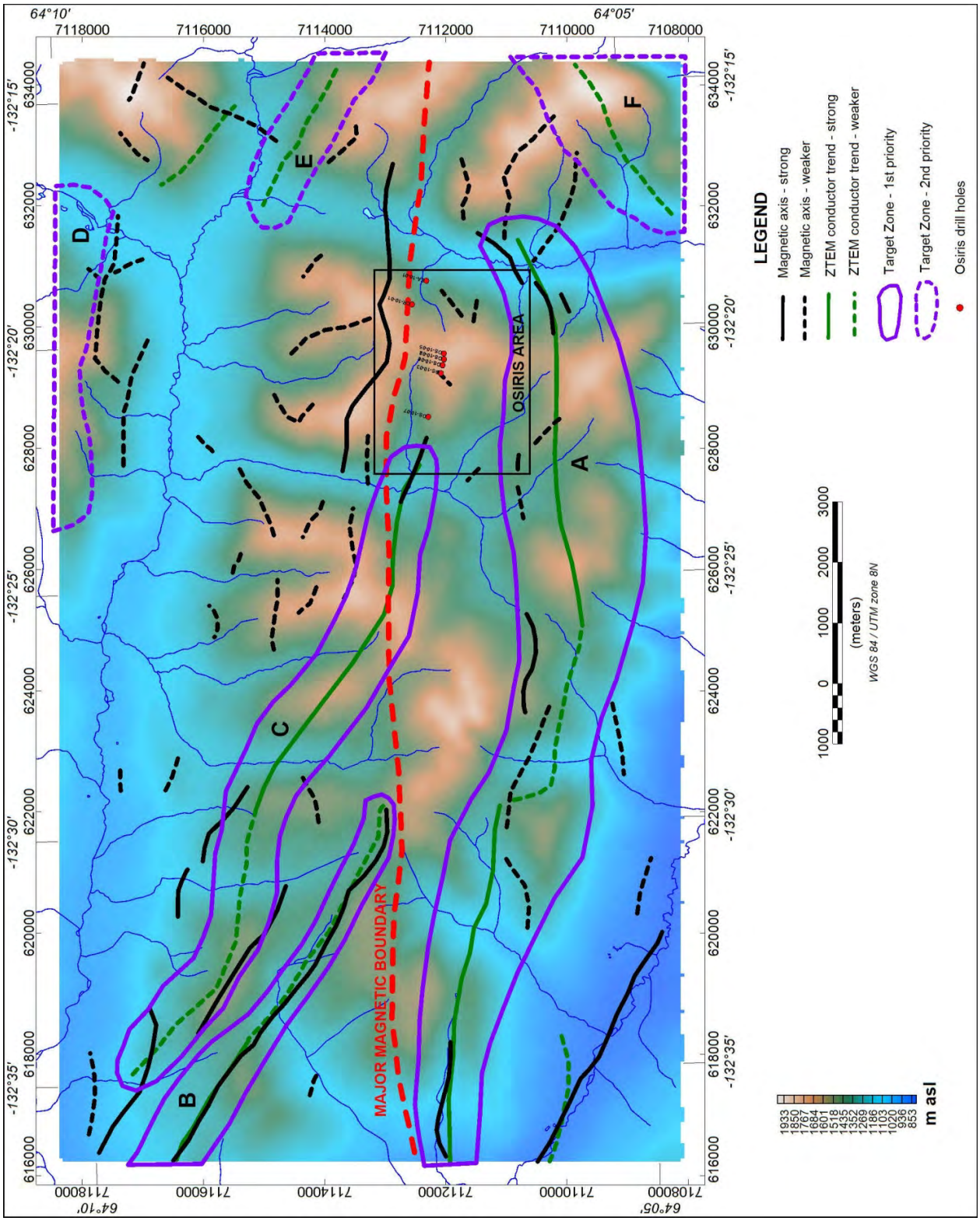

Figure 24: SE block – Magnetic interpretation and conductor trends on DEM image

OSIRIS AREA

The Osiris area is shown in Figures 20 to 24, along with the collar locations of nine holes drilled in mid-late-2010. Significant Au mineralization was delineated in these holes (ATAC news release Sept 15, 2010).

In the Central block, the XIP 180Hz PR image best mapped the mineralized zone at Tiger and the trend to the northwest though Puma and El (Figure 15). However, the comparable grid for the Southeast block (Figure 22) does not show any clear conductivity enhancement associated with the Osiris area. Other grid products were examined to determine if any of these better define this zone.

Figure 25 shows the 180Hz Apparent Conductivity image produced by Condor. This shows a major conductivity boundary extending in a NW-SE direction across the middle of the block, which passes close to the Osiris mineralized zone. This boundary is better defined on this image than on the other images in Figure 19. The significance of this feature is not clear.

The geology of the Osiris area as mapped by ATAC is shown in Figure 26.

To investigate if this mineralized area has a more subtle signature, the mapped geology is shown compared to a number of magnetic enhancements in Figure 27 and compared to several of the ZTEM grid products in Figure 28.

The magnetic enhancements in Figure 27 were produced using the ZS filter discussed in Section 4:

(a) Geology
(b) RTP (Reduced to Pole)
(c) Tilt
(d) AS (Analytic Signal)
(e) Block
(f) Plateau

The outline of the mapped area shown in (a) is replicated in the other boxes for reference. Collar positions of the nine drill holes are also shown. Red areas are more magnetic, green and blue less magnetic.

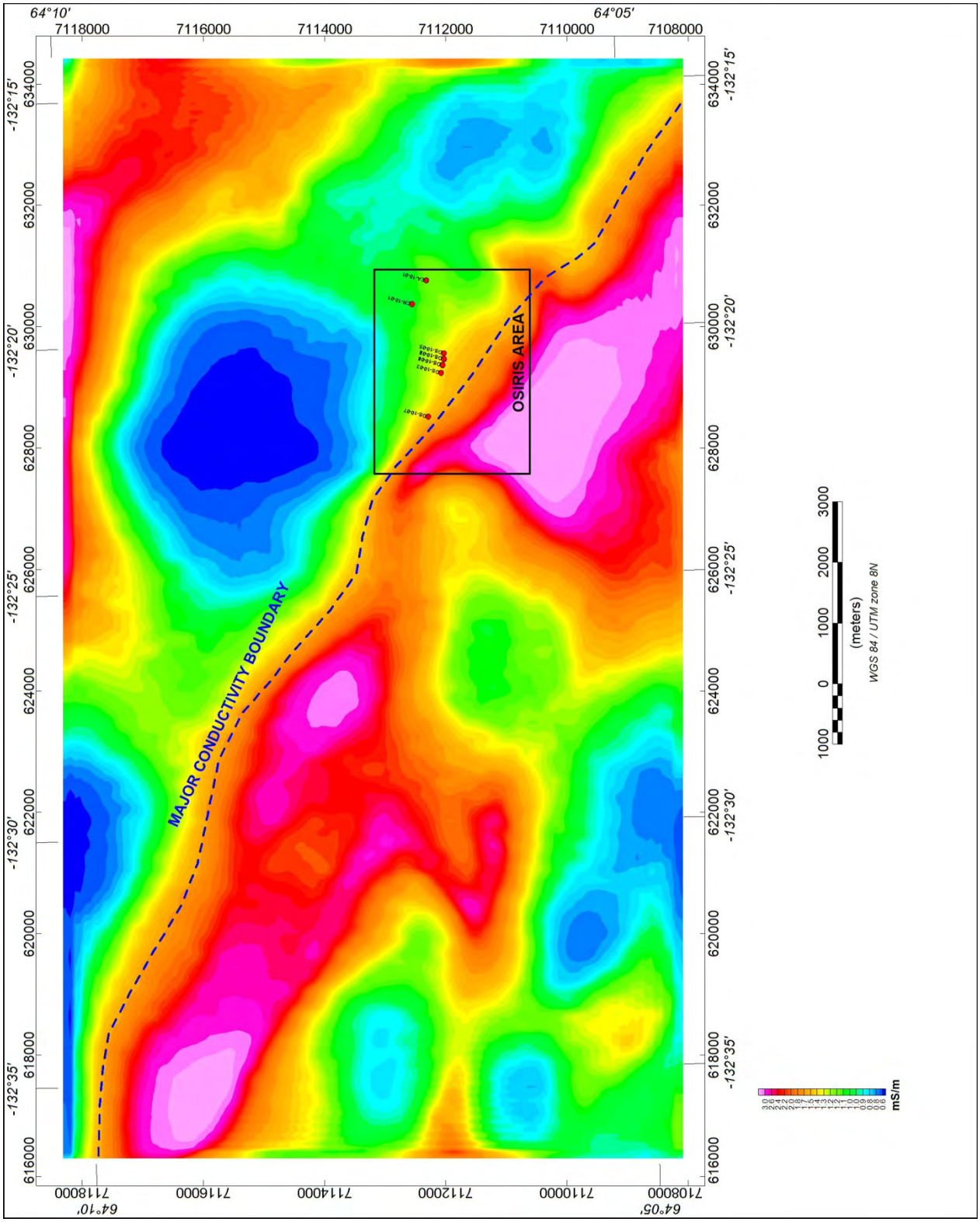

Figure 25: SE block – Condor Apparent Conductivity 180Hz image.

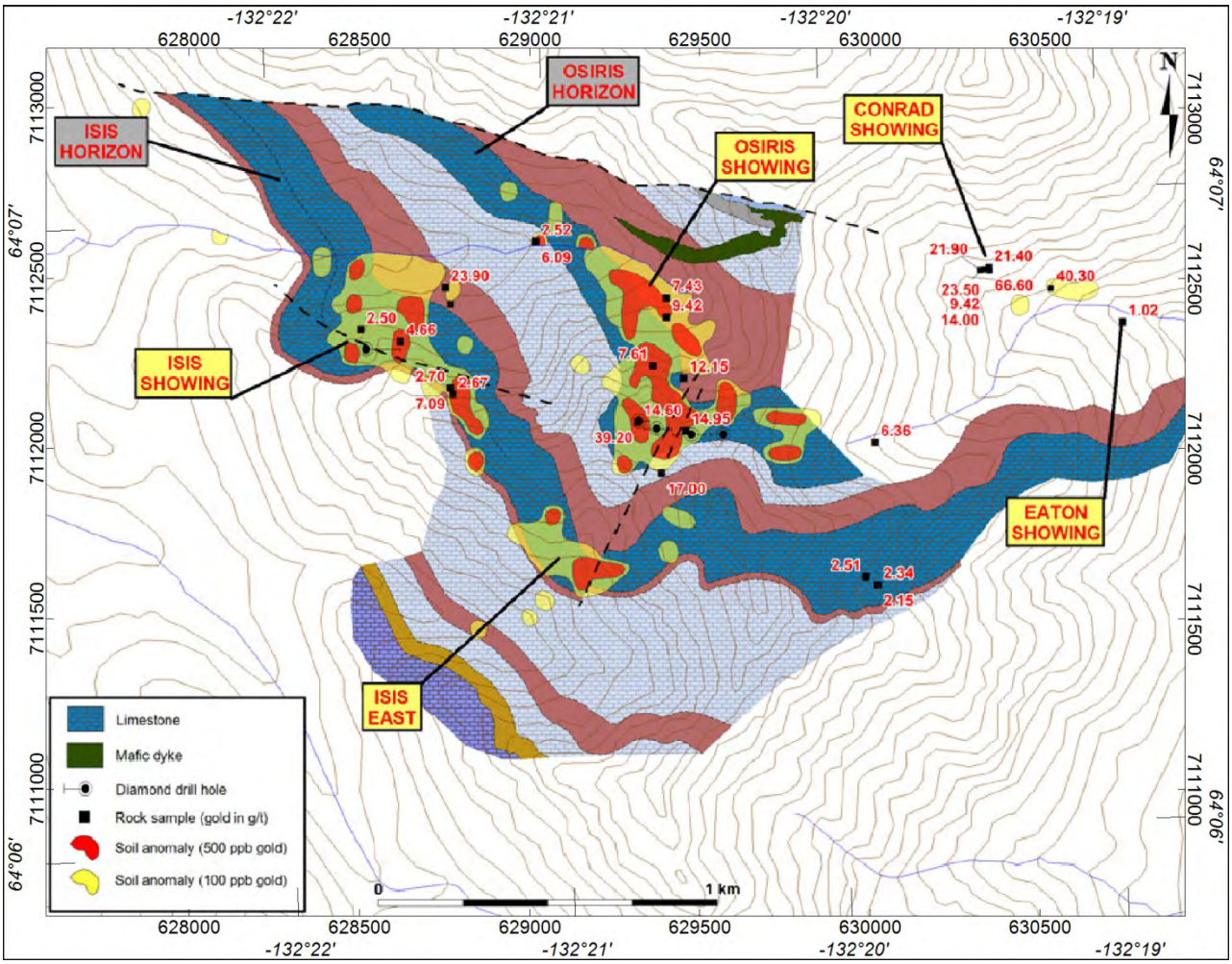

Figure 26: Osiris geology (after ATAC)

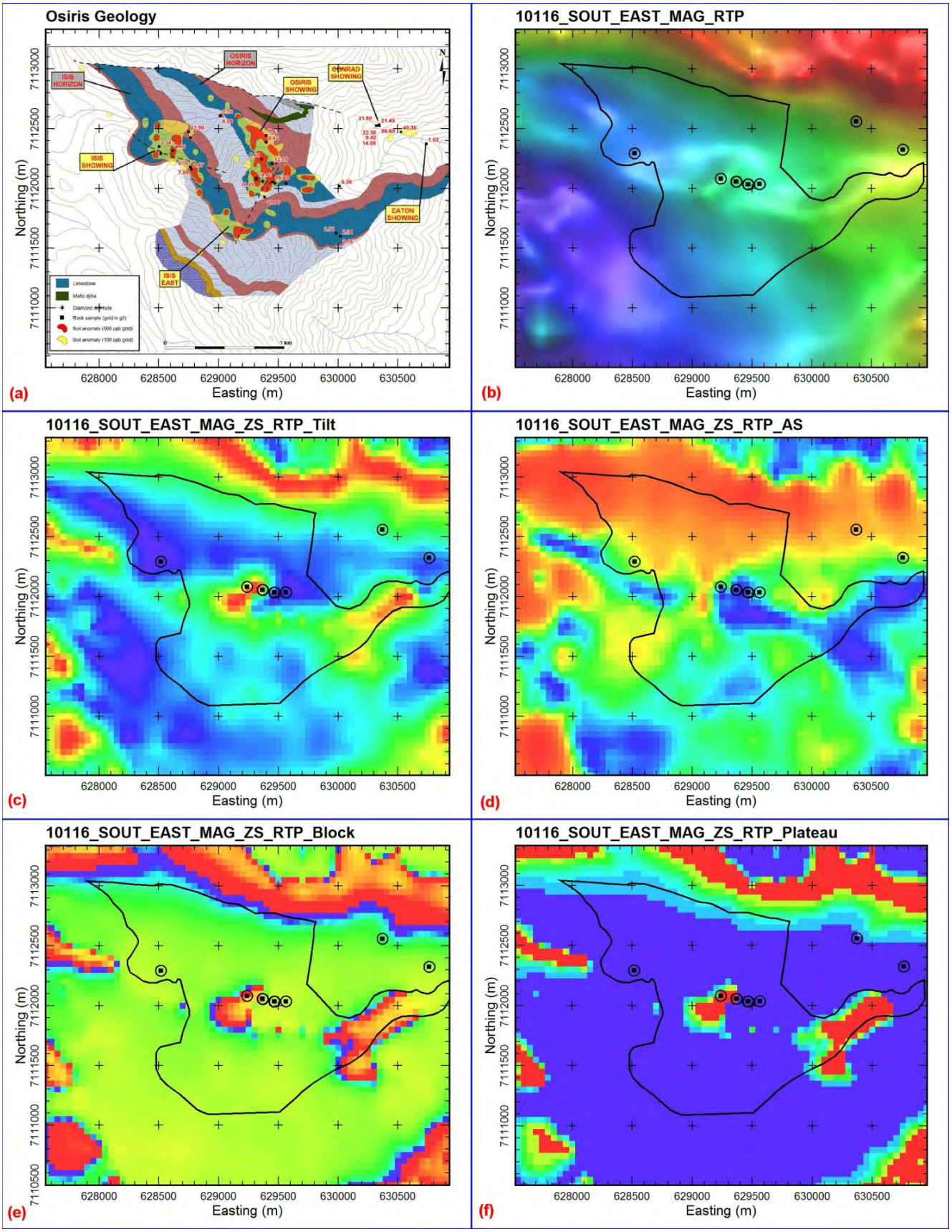

Figure 27: Osiris: Comparison of geology and MAG grids (see text for details).

On the Tilt magnetic image, a magnetic horizon wraps around the anticline axis. It is stronger on the western side and weaker on the southern side, but appears to be continuous. The stronger anomaly on the western side is also apparent on the Block and Plateau images. The E-W trending fault on the north side of the geology map lies close to the major magnetic boundary shown in Figures 20 and 21.

The ZTEM grid products in Figure 28 are:

(a) Geology
(b) XIP 180Hz PR
(c) IP 180Hz TPR
(d) YIP 180Hz PR
(e) IP 180Hz DT (reversed color palate)
(f) 180Hz Appcon (Condor product)

Red areas are more conductive while blue areas are more resistive.

Images (b), (c), (d) and (f) all show a strong conductivity boundary trending NW-SE located on the southwest edge of the Osiris area, but no clear signature for the mineralized area. The IP_180Hz_DT image in (e) shows a subtle, rather amorphous conductor, part of which correlates with four drill holes in the Osiris mineralized zone. However, this weak conductor is not definitive.

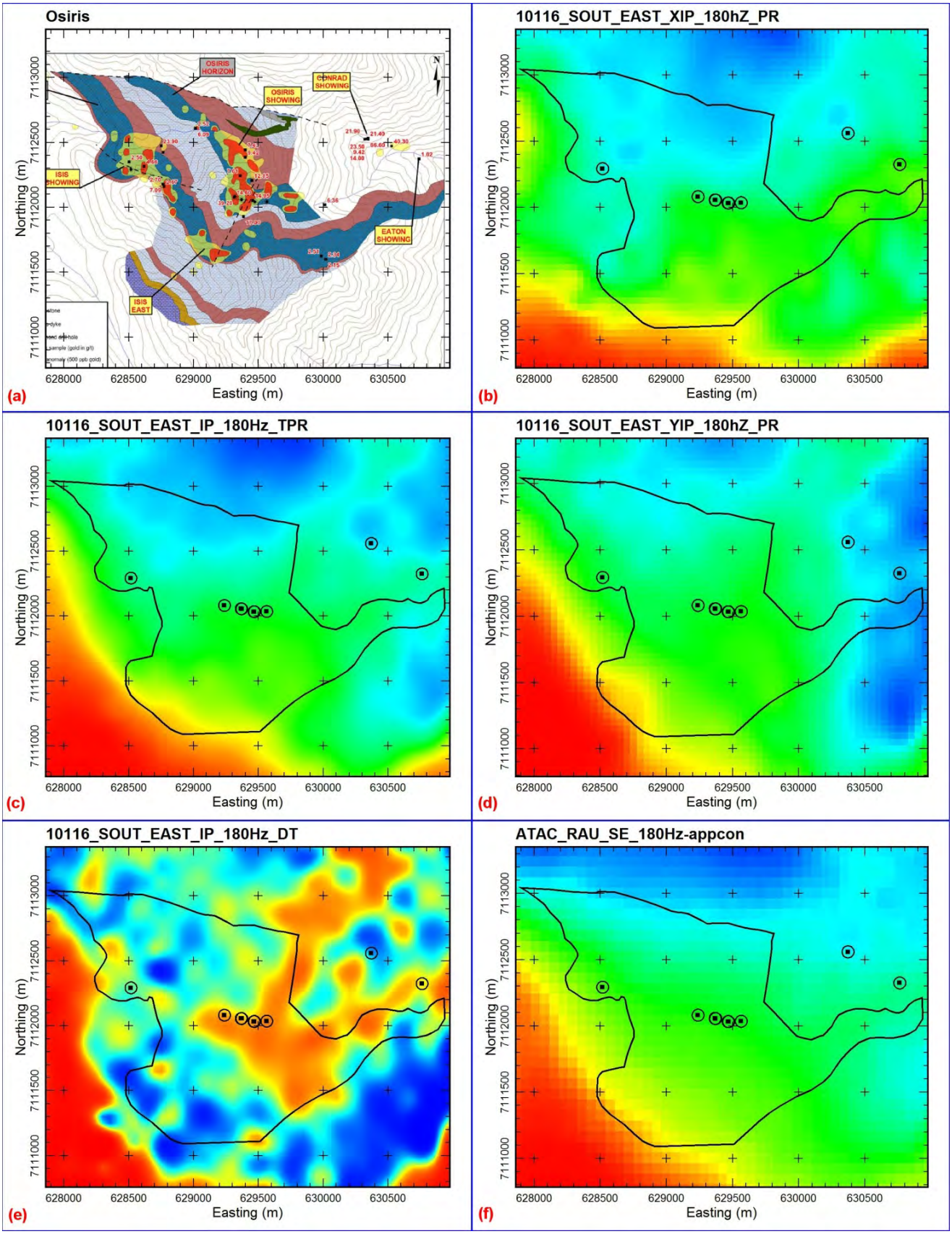

Figure 28: Osiris: Comparison of geology and ZTEM grids (see text for details).

8. NW BLOCK INTERPRETATION

Several grids derived from the ZTEM data are shown in Figure 29, to facilitate comparisons. The images are:

(a) DEM
(b) XIP 180Hz PR
(c) IP 180Hz TPR
(d) YIP 180Hz PR
(e) IP 180Hz DT (reversed color palate)
(f) 180Hz Apparent Conductivity (Condor)

The differences between the XIP_180Hz_PR and YIP_180Hz_PR grids indicate that the strike direction of the geology is variable and not simply east-west (perpendicular to the flight lines). The IP_180Hz_TPR and 180Hz_Apparent_Conductivity grids, which are generated using both the Tzx and Tzy (along and across line) components, provide a better representation of the overall distribution of conductors in this block. The DT (Total Divergence) grid provides a (somewhat noisy) picture of conductor axes.

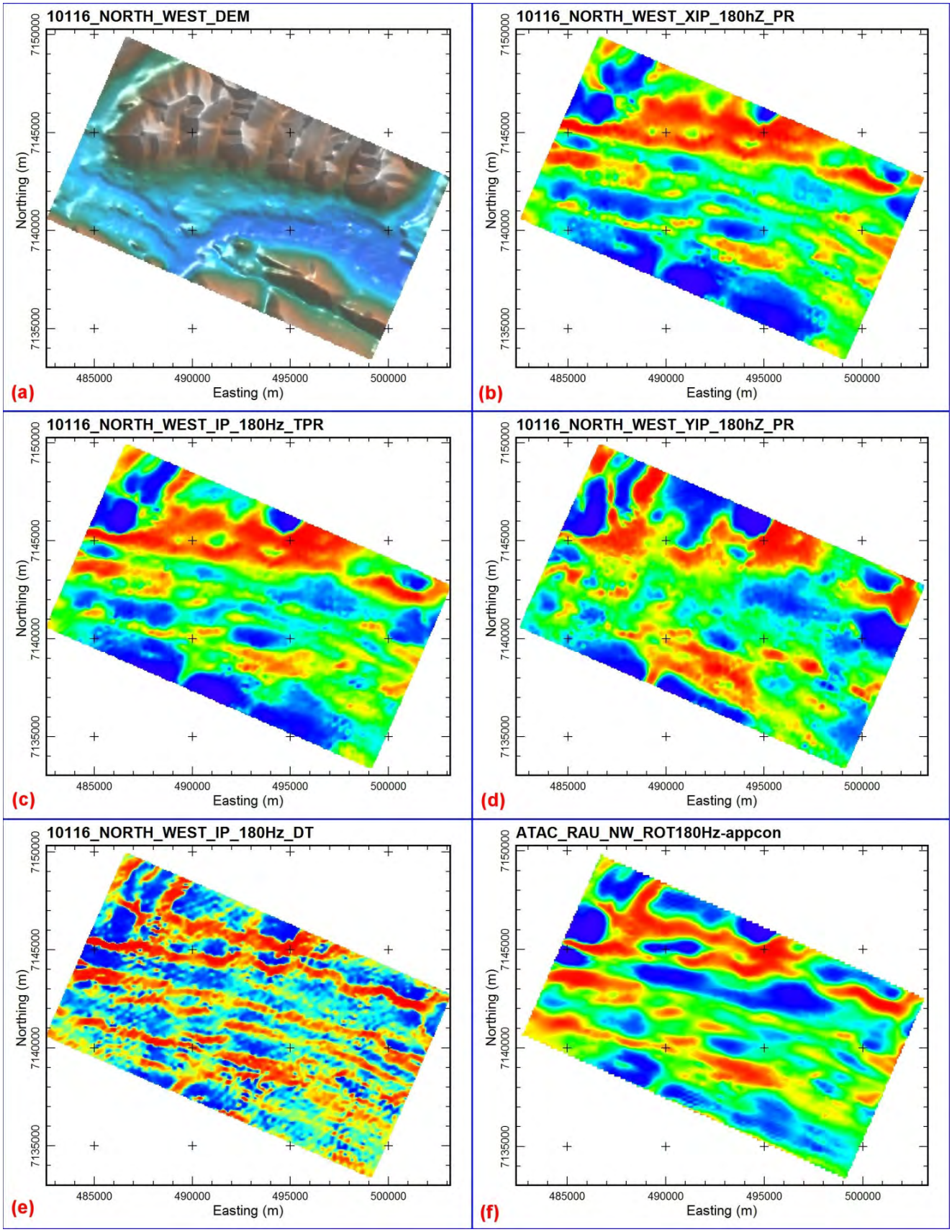

Figure 29: NW block – comparison of grids derived from ZTEM data (see text for details).

The RTP and Tilt images (Figures 30 and 31) highlight a semi-continuous curvi-linear magnetic trend extending in an E-W direction across the northern part of the block. North of this magnetic horizon the trends are more random. South of this horizon most of the magnetic trends are approximately E-W, although the lateral continuity is generally poor. Along most of the southern boundary a relatively strong and continuous magnetic unit is highlighted on the RTP image, but extends outside the boundary and is not defined. This appears to be part of a relatively extensive, magnetic lithology quite different from the rocks to the north.

Conductor trends based on the XIP 180Hz PR image are shown in Figure 32. The relatively strong, extensive magnetic unit along the southern edge of the block has no significant conductivity.

Target Zones are defined in Figure 33. Two bands of relatively good conductors extending across the northern part of the block, named TZ A and TZ B are designated 1st Priority, together with TZ C and TZ D.

- TZ A correlates closely with the curvi-linear magnetic horizon described above.
- TZ B lies sub-parallel to TZ A, about 1200-1500 m north, but without any obvious magnetic signature.
- TZ C has similar conductivity as TZ A and TZ B, and correlates with a magnetic low. It is open to the west.
- TZ D has slightly lower conductivity, but loosely correlates with several linear magnetic highs.

The 2nd Priority TZs consist of:-

- TZ E comprises an enhanced conductive zone east of TZ C. Two weak magnetic trends correlate with the northern part of this TZ.
- TZ F, G and H are similar conductors in the eastern part of the block, open to the east. Although several linear magnetic highs lie within these conductive zones, there is no obvious correlation of the magnetic and conductivity.
- TZ I has anomalous, but lower, conductivity. It loosely correlates with a magnetic low, except at the western end where the northern section overlaps with a magnetic high.
- TZ J and K are conductive zones in the northwestern part of the block. They trend in a more northerly direction and both extend outside the survey area. Neither have any obvious magnetic signature.

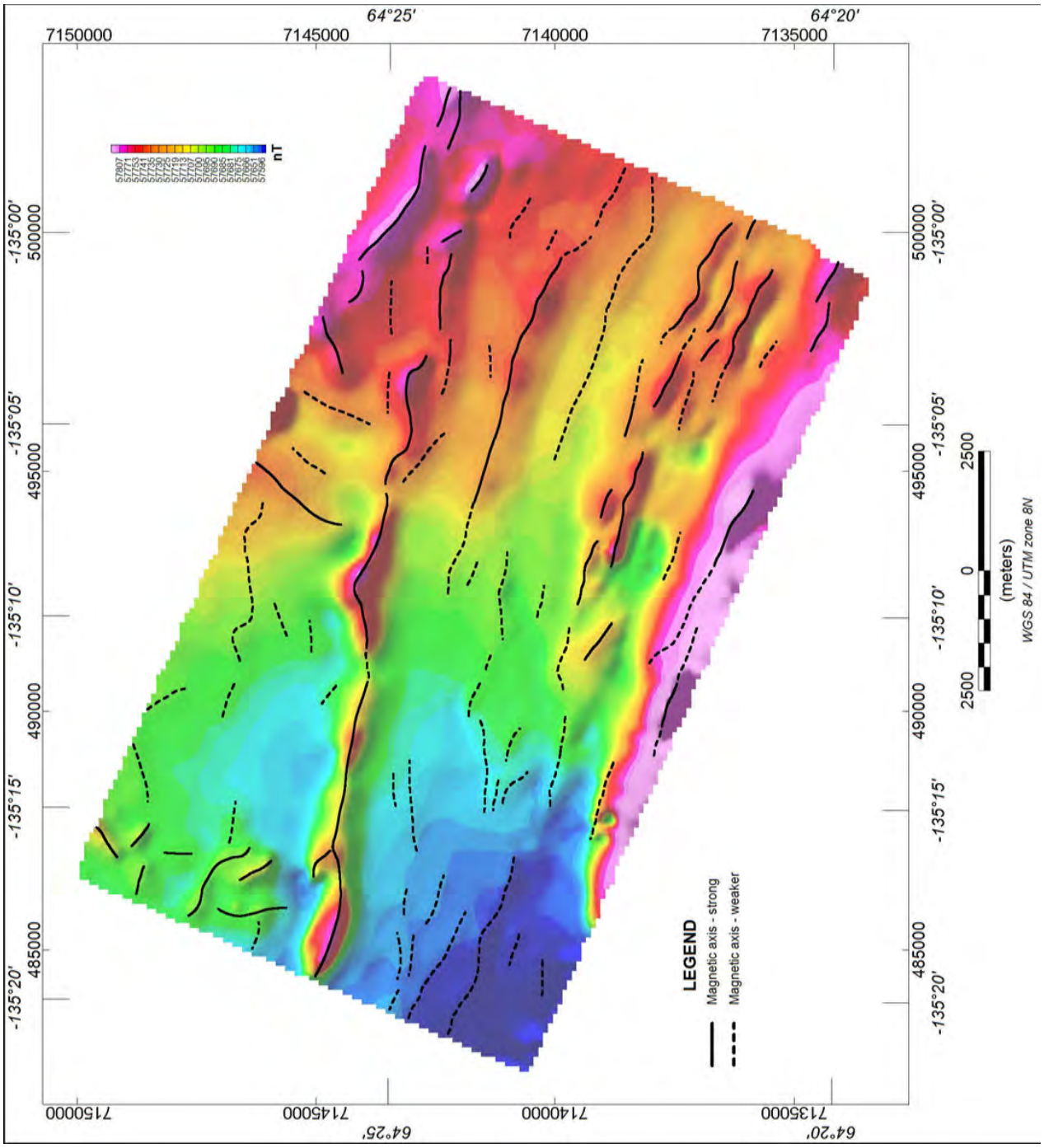

Figure 30: NW block - Magnetic interpretation on RTP image.

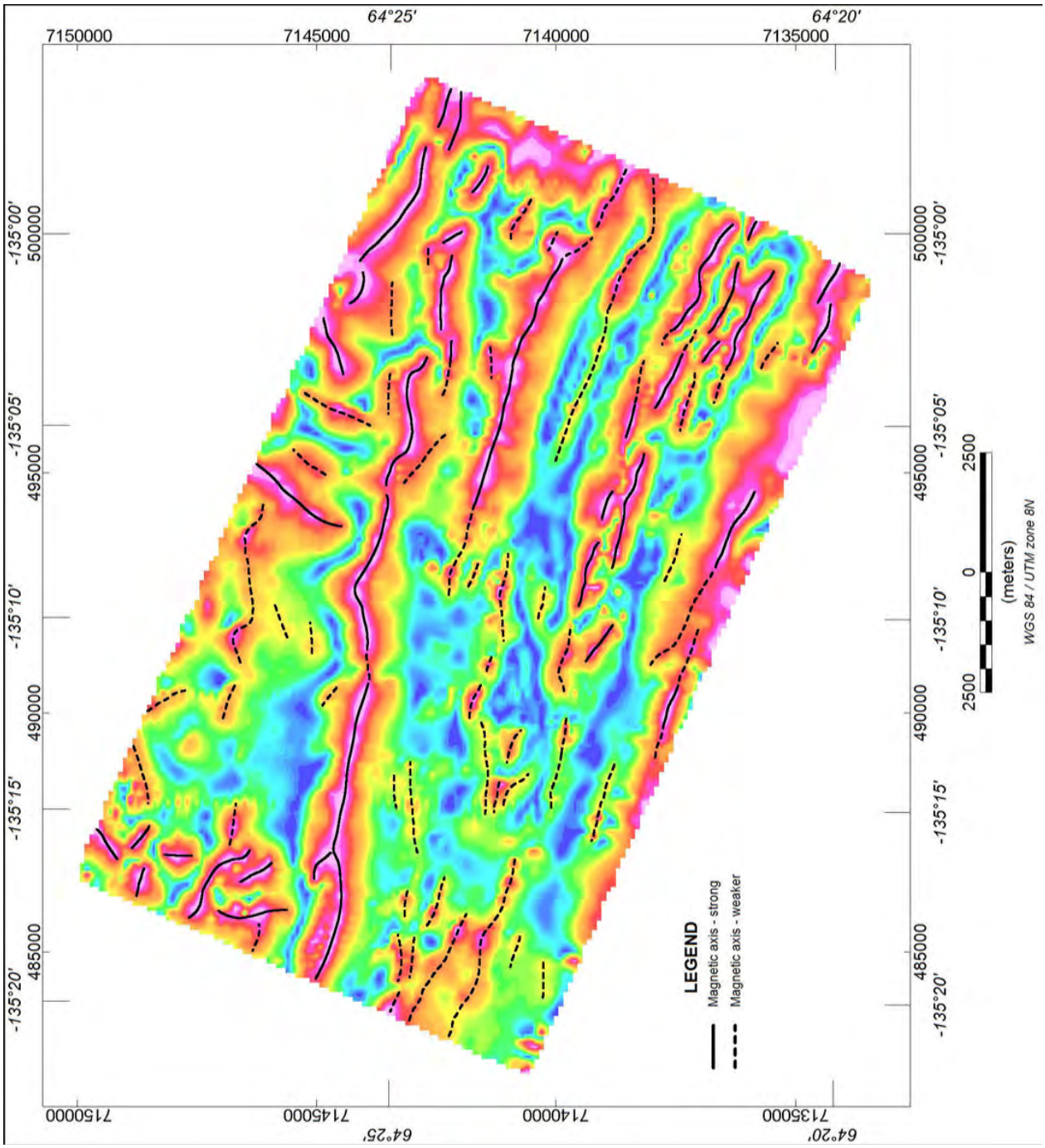

Figure 31: NW block - Magnetic interpretation on Tilt image.

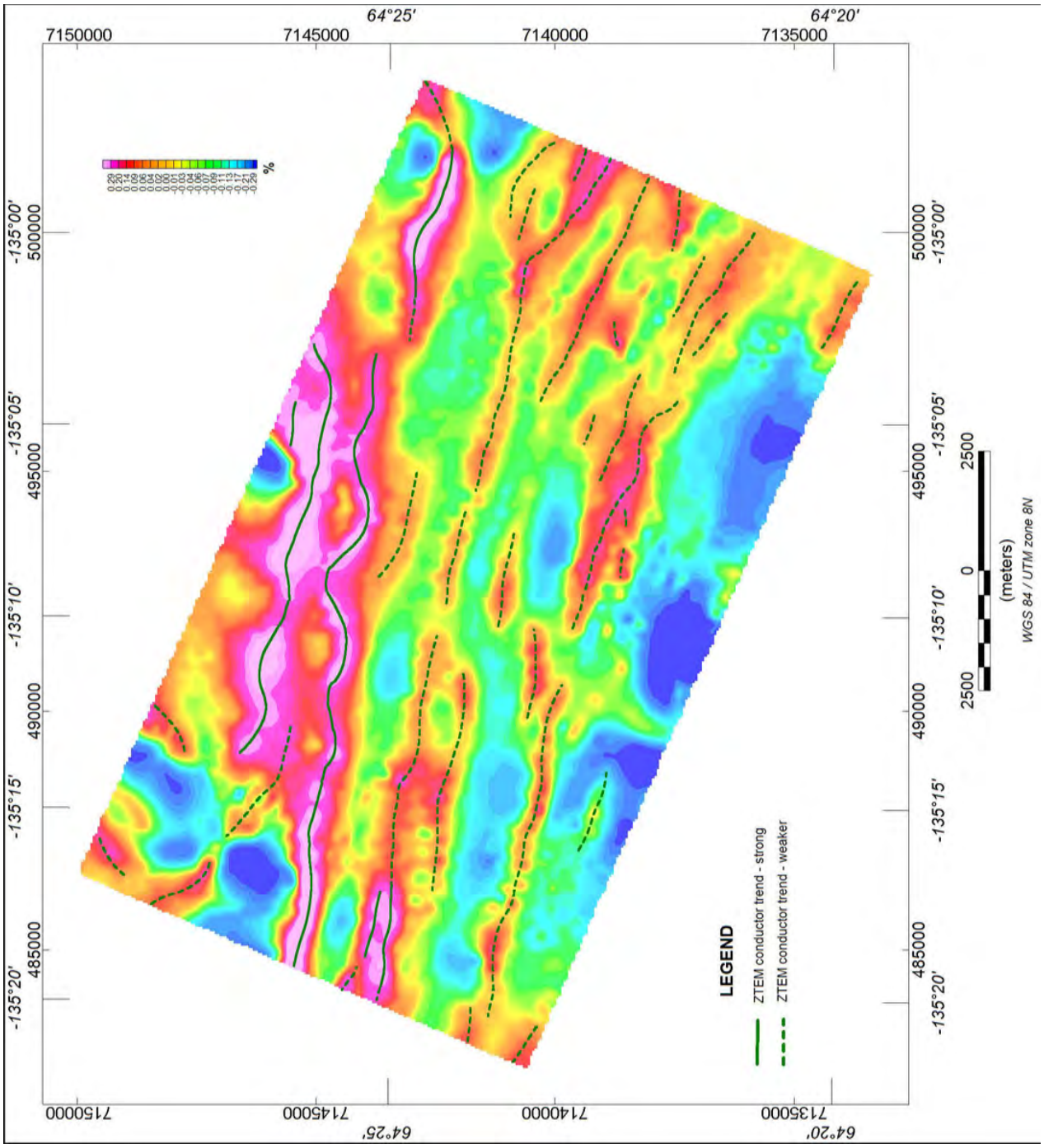

Figure 32: NW block – Conductor trends on XIP 180Hz PR image.

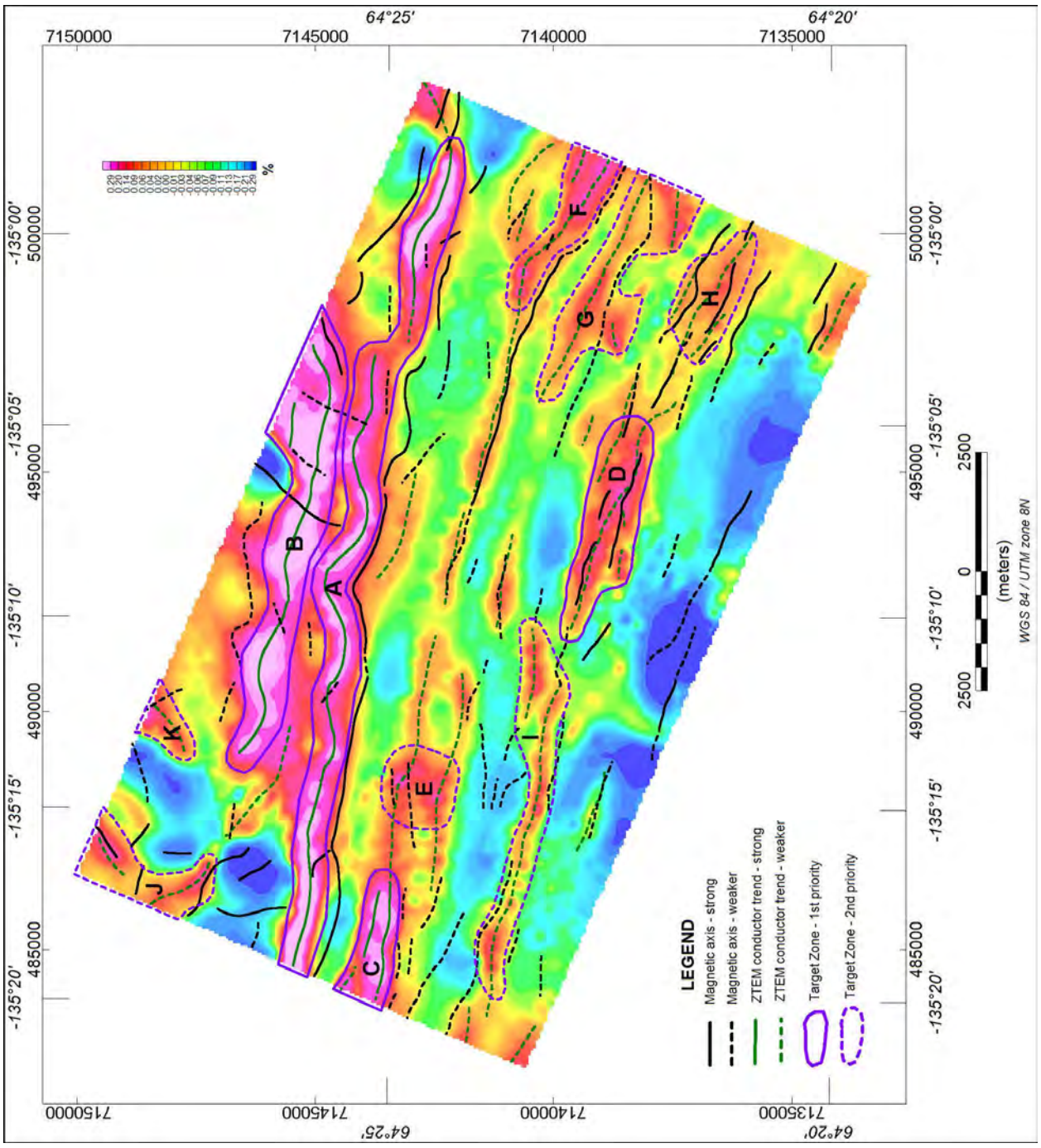

Figure 33: NW block - Interpretation and TZs superimposed on XIP 180Hz PR image.

Figure 34 shows the interpretation and TZs overlain on the DEM image. There is no obvious correlation of ZTEM conductors and topography. Most of TZ A and TZ B are aligned along the E-W trending topographic high in the north of the block, but the west end of TZ A continues uninterrupted across a valley. The other TZs correlate with topographic highs, lows and slopes.

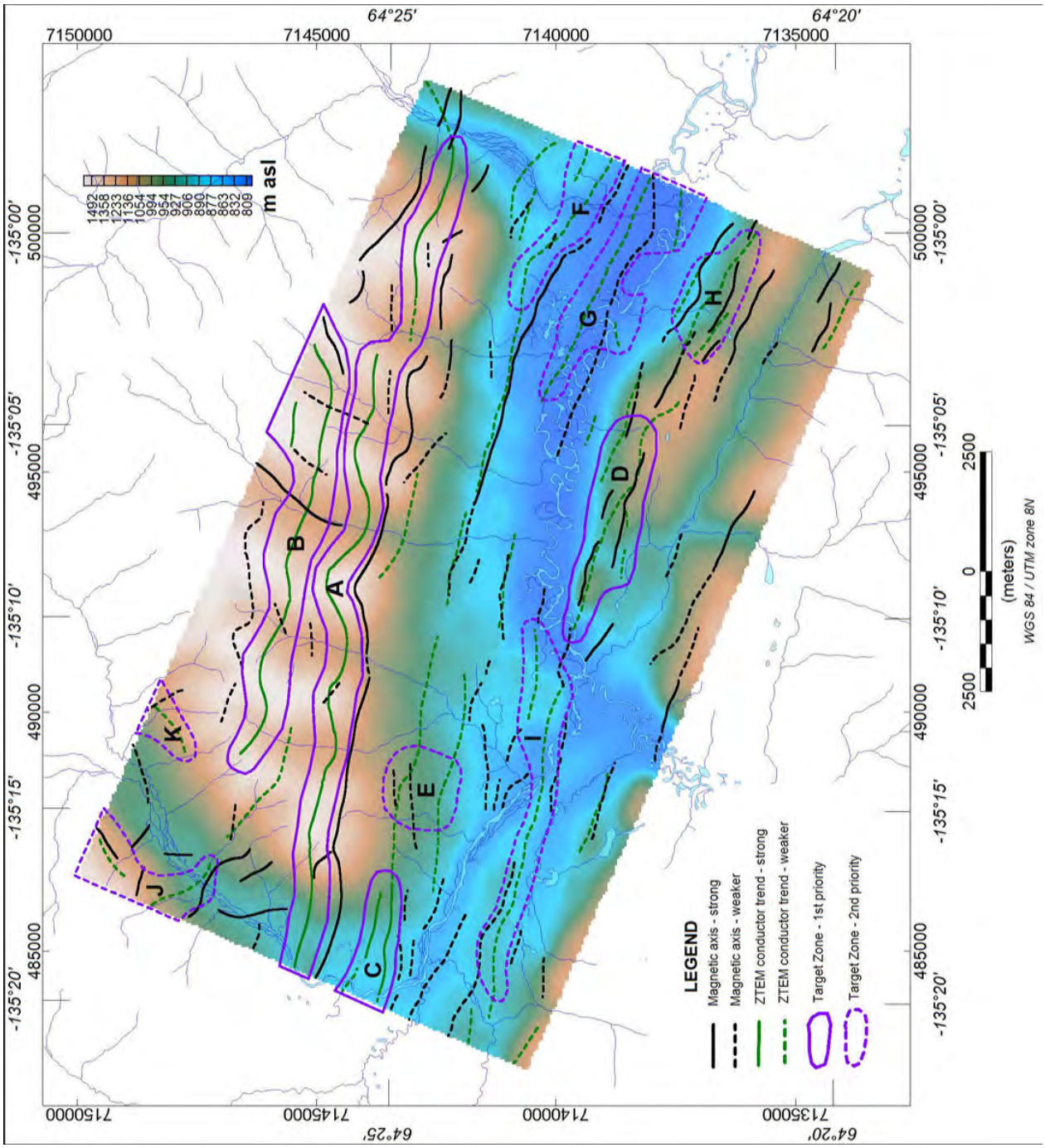

Figure 34: NW block – Magnetic interpretation and conductor trends on DEM image.

9. COMPARISON OF GEOTECH AND CONDOR ZTEM INVERSIONS

Geotech carried out 2D inversions of four ZTEM lines within the Central block, viz. 4050 and 4070 crossing the Puma prospect and 6680 and 6690 crossing the El Gossan prospect. These inversions are compared with Condor's 2D inversions in Figures 35, 36, 37 and 38 respectively.

The observed inphase and quadrature profiles for the five frequencies are shown in black and the modeled profiles in red. The conductivity depth sections are limited in depth to -500 m asl, which is approximately 1 000 m below surface. The Karous-Hjeldt (K-H) pseudosection is included at the bottom of the plots, for comparison with the 2D inversions.

The inversions compare closely, although the Condor inversions exhibit finer detail compared to the Geotech inversions, which appear to have more smoothing. The modeled profiles (red) look similar, but close examination demonstrates that the Condor inversion is fitting the observed profiles more closely. A balance is required between fitting the data more closely, but avoiding fitting noise.

The K-H pseudosection is useful as a check on over-fitting the data. Any conductors in the 2D inversion conductivity depth section which do not correlate with a conductor in the K-H pseudosection are probably produced by noise rather than signal. However, depths on the K-H pseudosection are not reliable and should not be used for any quantitative purposes.

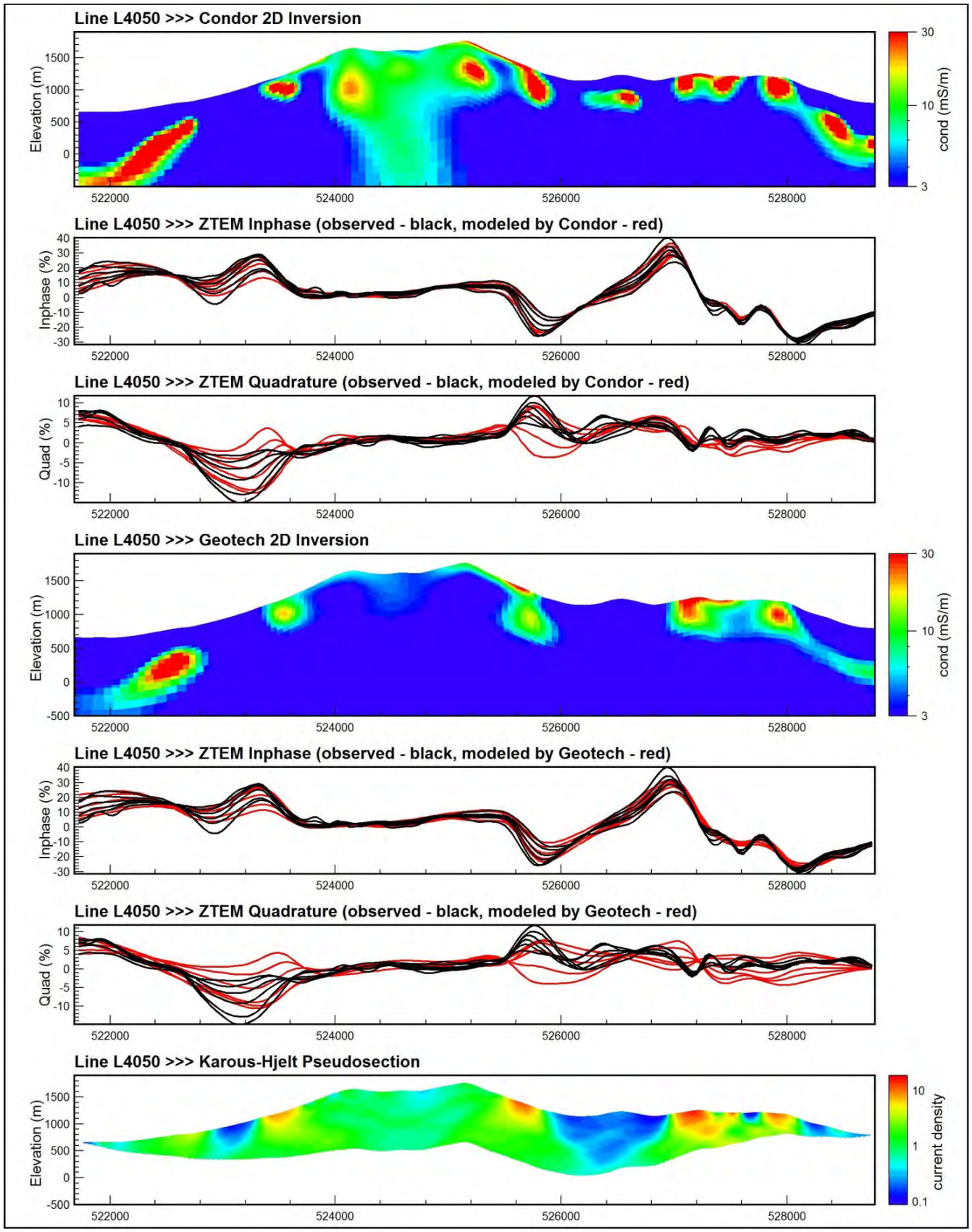

Figure 35: Comparison of Condor and Geotech 2D inversions of ZTEM – Line 4050.

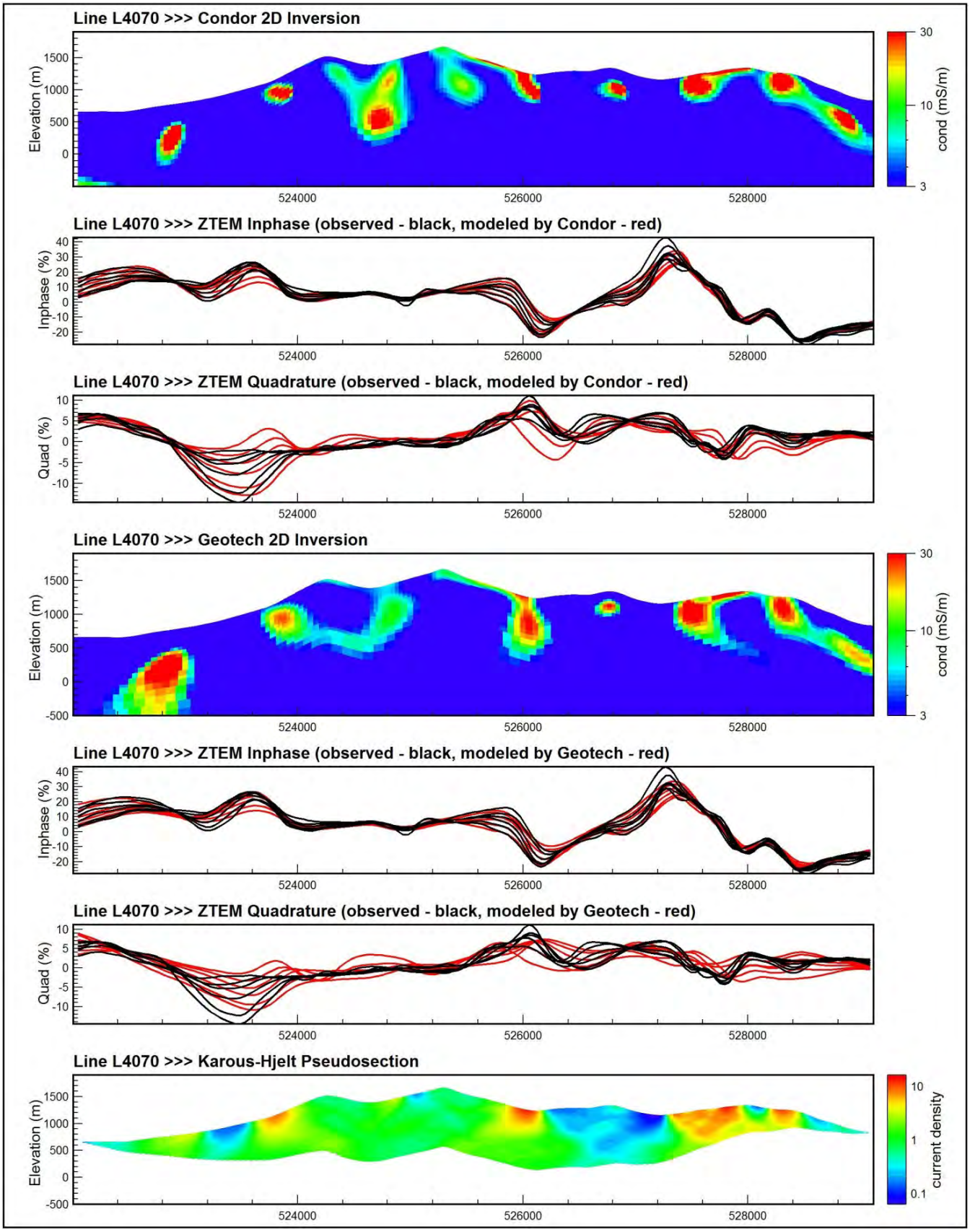

Figure 36: Comparison of Condor and Geotech 2D inversions of ZTEM – Line 4070.

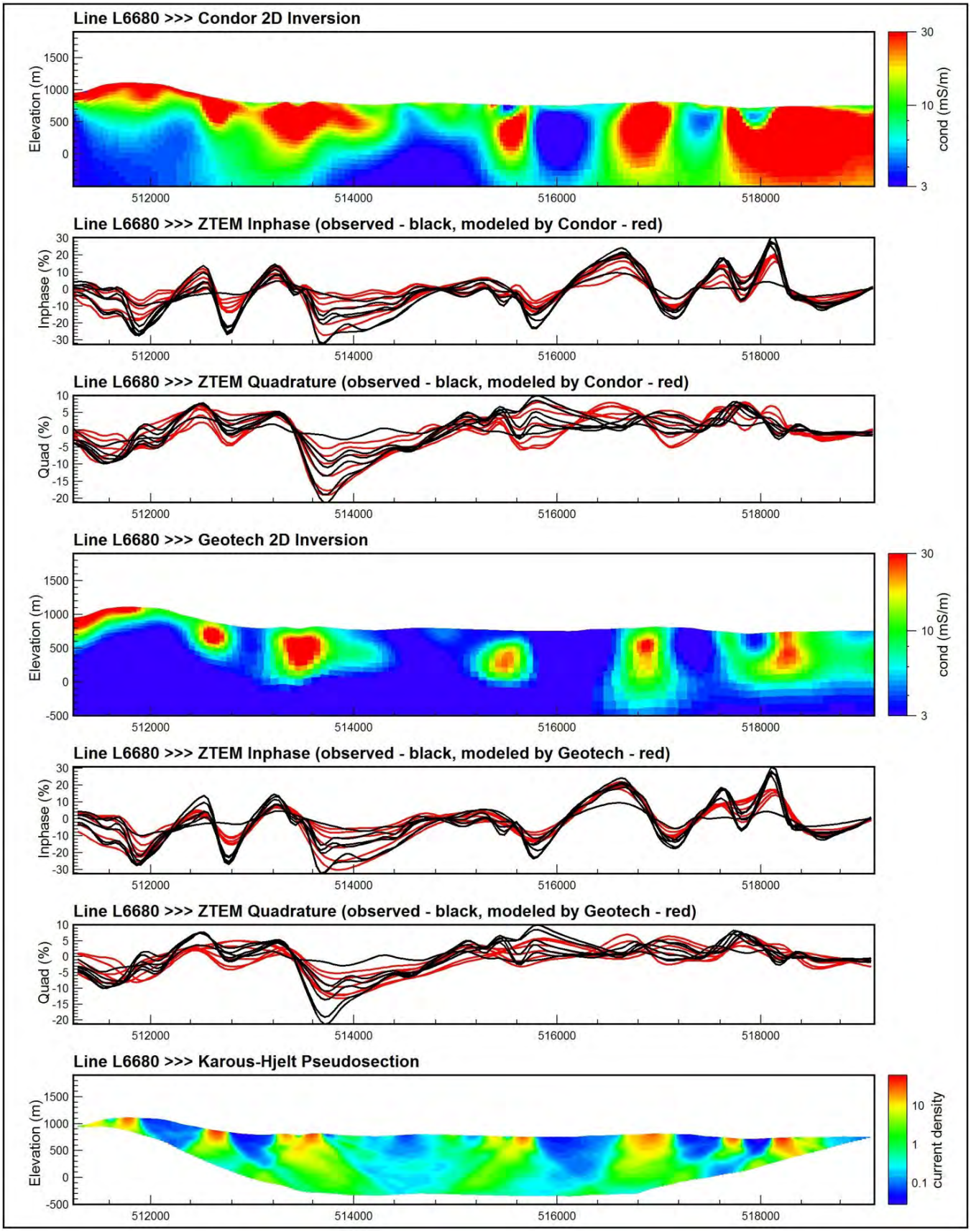

Figure 37: Comparison of Condor and Geotech 2D inversions of ZTEM – Line 6680.

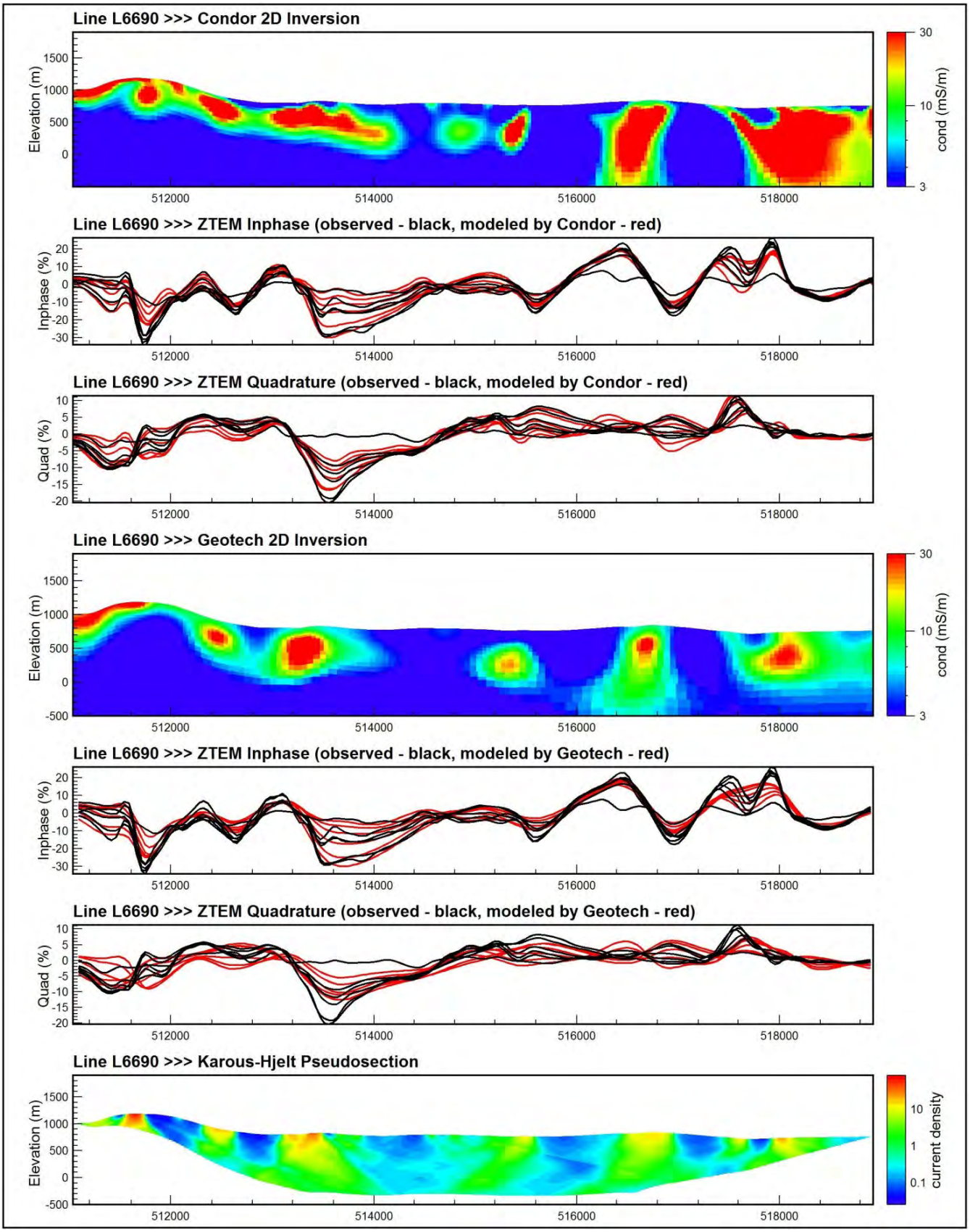

Figure 38: Comparison of Condor and Geotech 2D inversions of ZTEM – Line 6690.

10. COMPARISON OF ZTEM WITH VTEM

The 2008 VTEM survey covered a similar area to that of the ZTEM Central block (Figure 9). A detailed comparison of the VTEM and ZTEM is included in Appendix E, while a summary of the most important conclusions is presented here.

Figure 39 compares images of VTEM conductance from 25-431 m and ZTEM 30Hz Apparent Conductivity. The former is representative of the conductivity from near-surface to moderate depth for the VTEM survey, while the later is the comparable conductivity from the ZTEM survey. Of the numerous products generated from the ZTEM survey, the 30Hz Apparent Conductivity image appears to best map the overall conductivity distribution in plan view (see Appendix E. The conductivity distributions generally correlate well, although the Tiger-Puma mineralized trend is better defined by the ZTEM image. Due to the nature of the system, ZTEM is more suited to defining zones with longer strike length than discrete conductors.

The VTEM TZs defined by Condor in 2009 (Irvine, 2009) are shown in Figure 40, superimposed on the XIP 180Hz PR image, which has been used to define the ZTEM TZs in this report. Both VTEM and ZTEM TZs are shown in Figure 41. The two sets of TZs correlate reasonably well:

- The extensive ZTEM TZ A, which covers the Tiger-Puma trend, correlates with VTEM TZs C, F, G, H and part of M.
- ZTEM TZs B, F and G correlate with the extensive VTEM TZ S.
- ZTEM TZ D correlates with VTEM TZs W and X.
- The west end of ZTEM TZ E correlates with VTEM TZ D.
- ZTEM TZ H partially correlates with VTEM TZ K.
- VTEM TZ O correlates with a ZTEM conductor, but lies within the non-prospective area (Figure 12) and so was not selected as a ZTEM TZ.

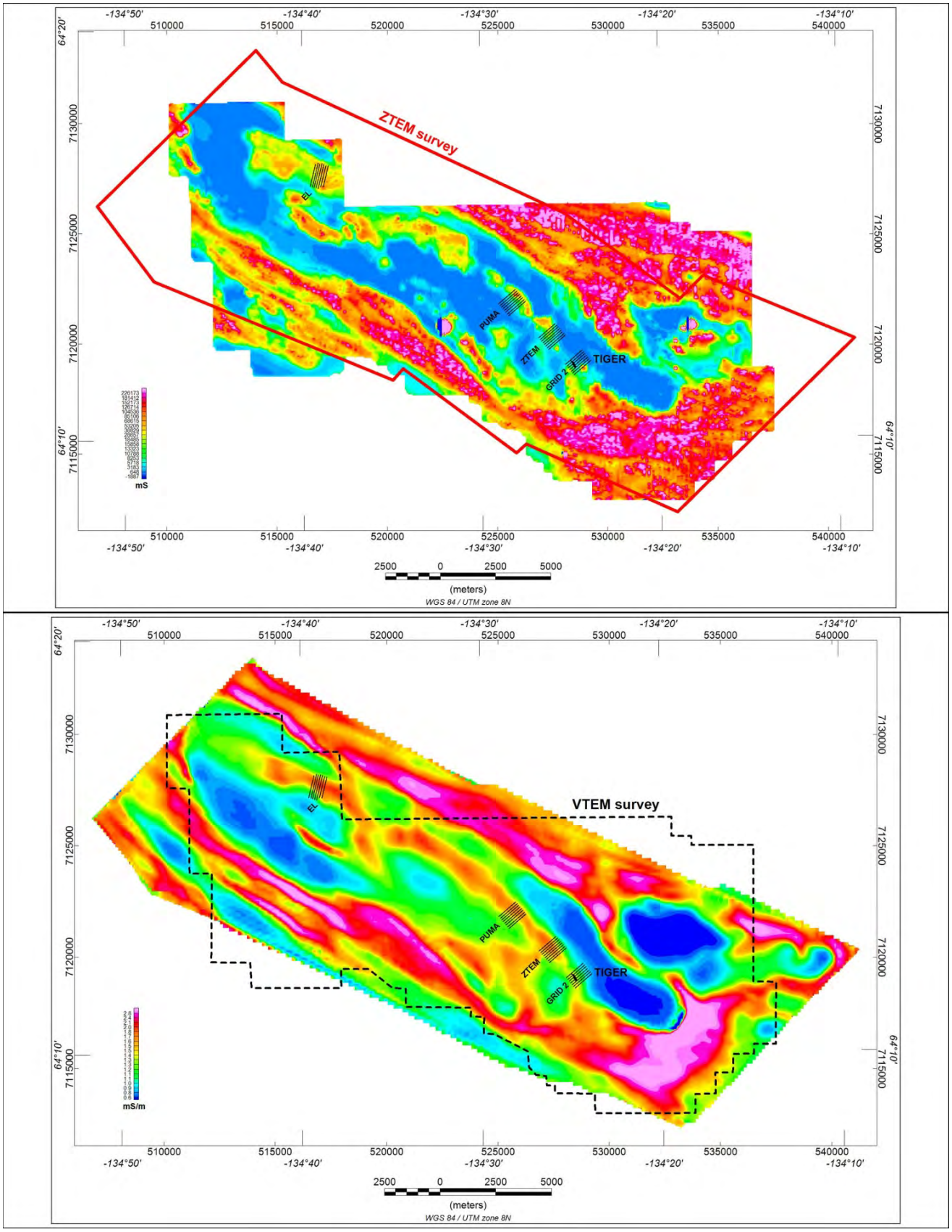

Figure 39: Central block – comparison of VTEM conductance (top) and ZTEM 30Hz Apparent Conductivity (bottom).

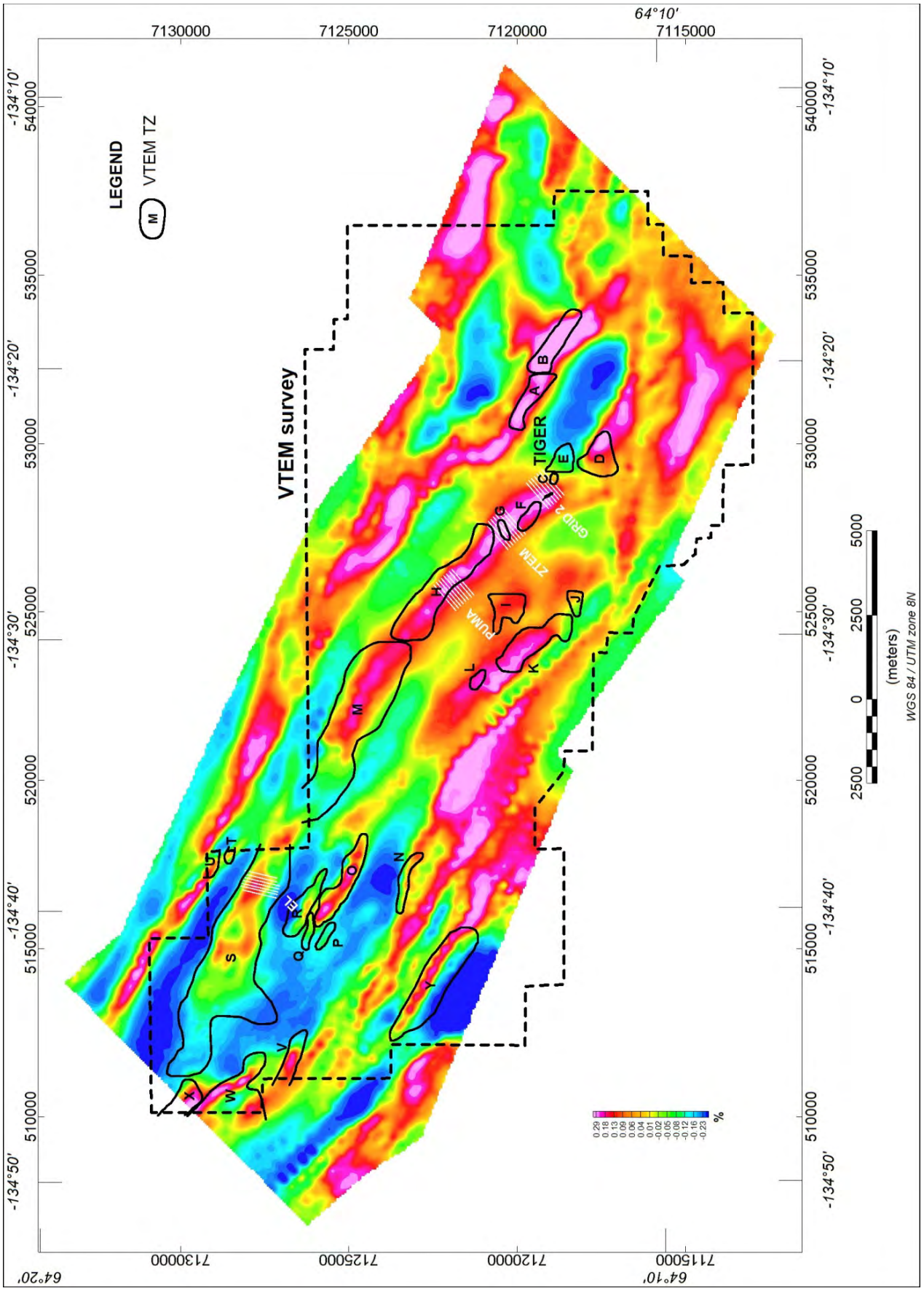

Figure 40: VTEM TZs superimposed on ZTEM XIP 180Hz PR image.

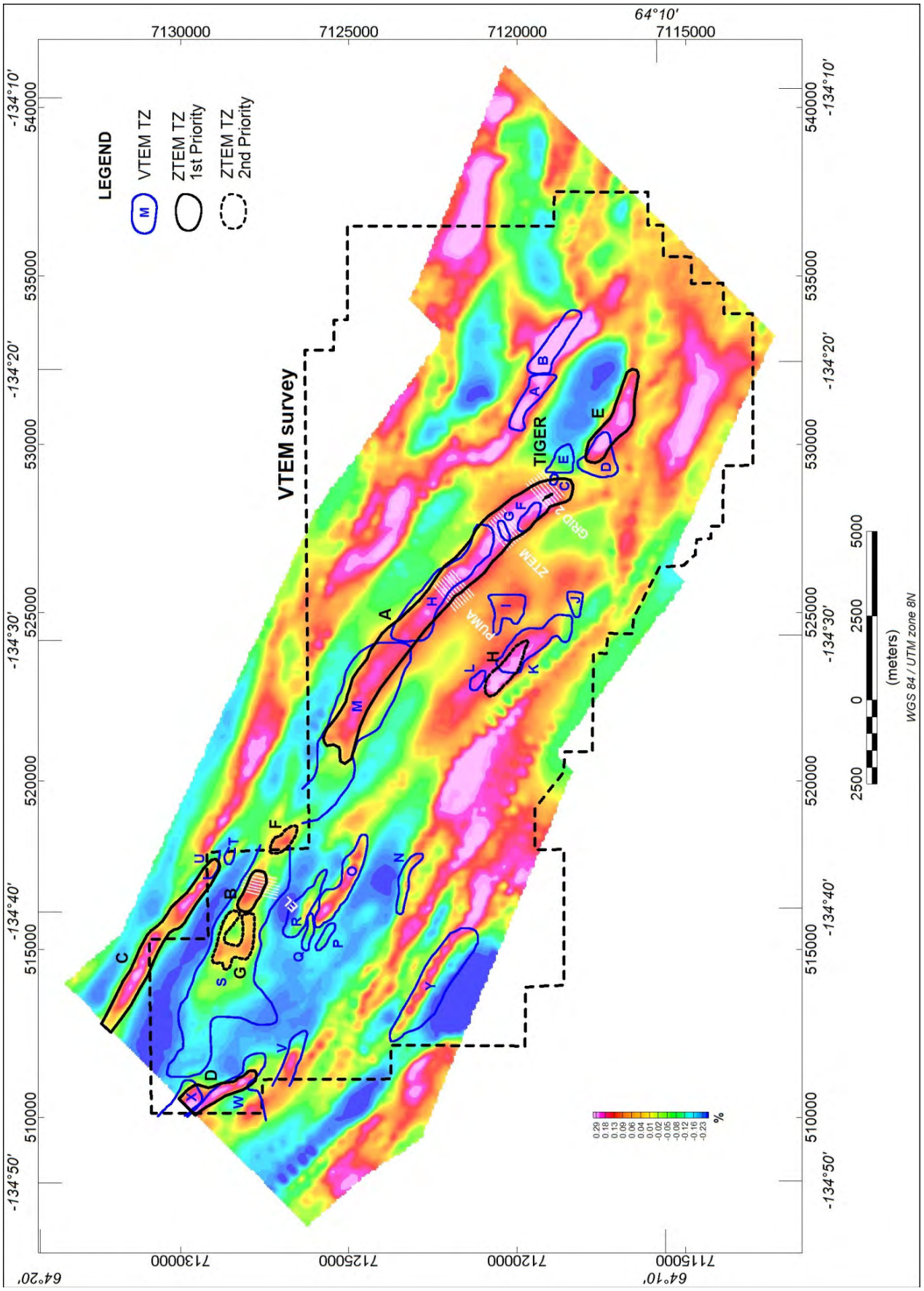

Figure 41: Central block: comparison of VTEM and ZTEM TZs, superimposed on ZTEM XIP 180Hz PR image.

11. COMPARISON OF ZTEM WITH IP AND GRAVITY SURVEYS

As discussed in Section 4, gravity surveys were carried out over the four grids in the Central block - Grid2 (Tiger), ZTEM, Puma and El. Also, an IP survey was carried out over the El grid. The locations of these grids are shown in Figure 10.

GRAVITY SURVEYS

The gravity surveys were carried out for ATAC by MWH Geo-Surveys, Inc. in June 2010. The line spacing was 100 m and the station spacing was 50 m.

These gravity data were inverted by Condor using the GRAV3D software, to produce a voxel model. A brief explanation of the inversion process is included in Appendix C.

IP SURVEY

The IP survey over the El grid was carried out by Aurora Geosciences Ltd. (Aurora) in June 2010. The configuration used was a modified Pole-Dipole array, with dipole spacing of 50 m, reading N=1 through 10 wherever possible.

Aurora carried out 2D inversions of each line to produce resistivity and chargeability depth sections. However, these sections extended to depths over 150 m where, in Condor's opinion, the inversions are unreliable. Also, the inversion errors at depth were large in areas where very low resistivities were observed near the middle of the lines.

Consequently, Condor ran new 2D inversions of all seven lines using DCIP2D software (Appendix D), but constraining the depth extents to reliable data.

PA MULTIPLOTS

Sections along each of the gravity lines were extracted from the voxel models of the inverted gravity, VTEM, ZTEM and magnetic data. To facilitate direct comparison, these sections have been plotted as MultiPlots, using Encom PA software. In the El area, the inverted IP resistivity and chargeability have been included. MiniPlates of the VTEM magnetics, Bouguer gravity and DEM are shown at the top of the MultiPlot, with the gravity stations and drill holes shown on the gravity MiniPlate. Drill holes are also shown on the sections. All the MultiPlots are included in Appendix F.

TIGER (GRID 2) AREA

An example MultiPlot (for Line 4.2) is shown in Figure 42. The gravity shows that the Tiger drill area lies just north of probable fault, which juxtaposes lower densities to the north with higher densities to the south. Small areas of higher density correlate with the mineralized zone on lines 3.2, 4.2 and 5.2.

The magnetic inversion does not indicate any specific signature for the mineralization. A shallow north-dipping magnetic unit is well defined on the middle and southeastern lines of the grid.

The VTEM conductivity depth sections show a conductor south of the mineralized zone, which appears to correlate with higher densities shown on the gravity inversion. This conductor is deeper and may not crop out. A shallow, thin conductor correlates with the mineralized zone on the northwestern lines 7.2, 6.2 and 5.2 but this conductor then trends south and merges with the previously mentioned deeper conductor.

The ZTEM conductivity depth section shows a relatively strong, shallow conductor which directly correlates with the Tiger mineralization. This conductor has limited depth extent – approximately the base of existing drilling. The northern extent of this conductor is located close to the northern limit of drilling, but it extends (possibly dipping flat to the south) several hundred meters south of existing drilling.

ZTEM GRID

An example MultiPlot (Line 5) is shown in Figure 43. The gravity inversions shows a shallow, higher density unit which dips flat to the southwest. This is similar to the denser unit delineated on the Tiger grid. The greatest density contrast is located in the southwestern section of the grid.

The magnetic inversion is relatively featureless, other than defining a more magnetic unit along the northeast edge of the grid.

The VTEM conductivity depth sections show a well-defined conductor, which is strongest in the northwest of the grid area and weakens to the southeast. This conductor does not appear to extend to the surface – possibly it is covered by a non-conductive lithology.

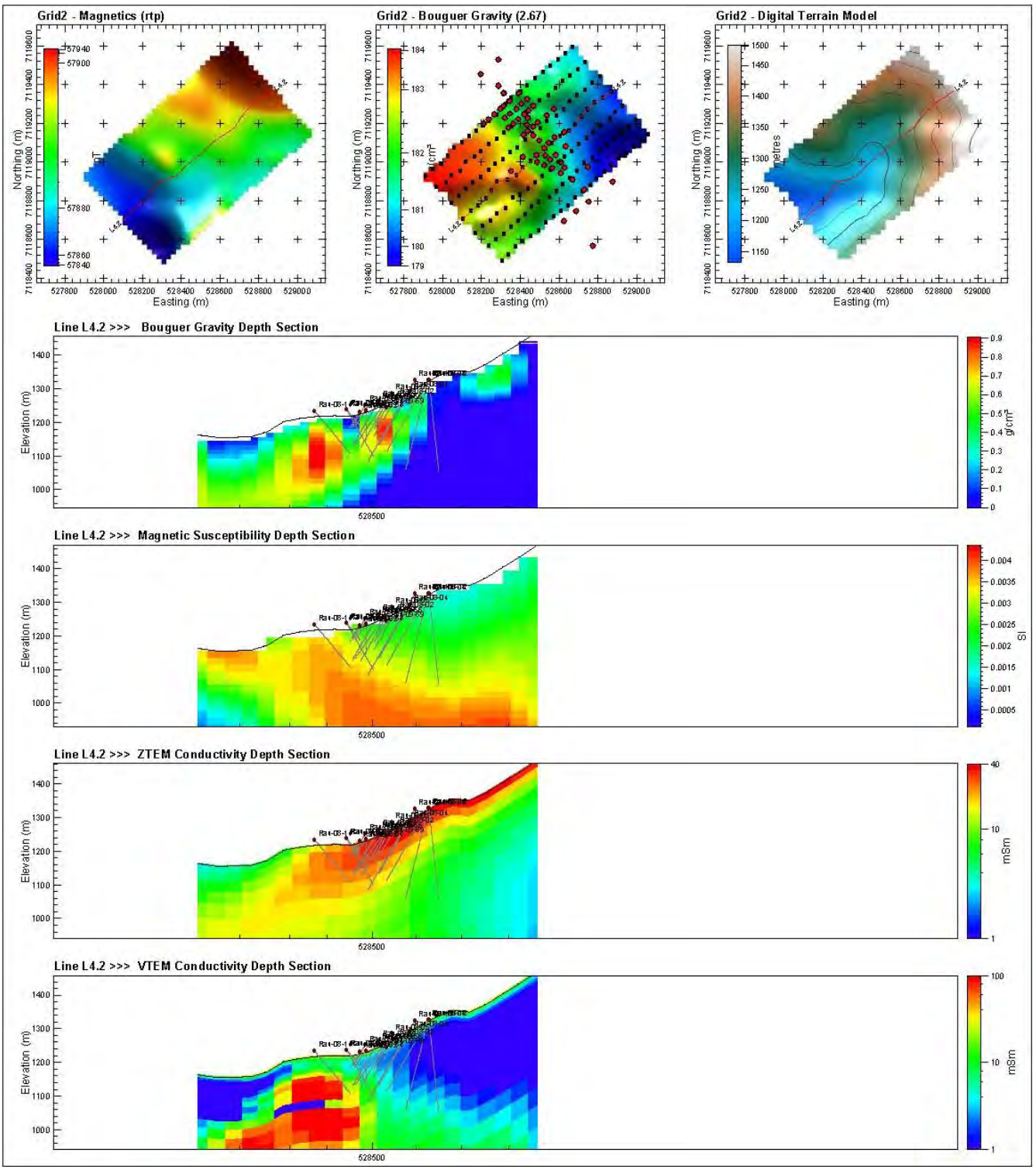

Figure 42: Grid2 (Tiger). Example MultiPlot - Line 4.2.

The ZTEM conductivity depth sections show a strong, localized conductor which extends across all eight lines of this grid (and extends further along strike in both directions). This conductor correlates closely with the VTEM conductor and also does not extend to the surface. As it lies only 1-2 km along

strike from the Tiger mineralization and has similar characteristics, this conductor represents an attractive target for future drill testing.

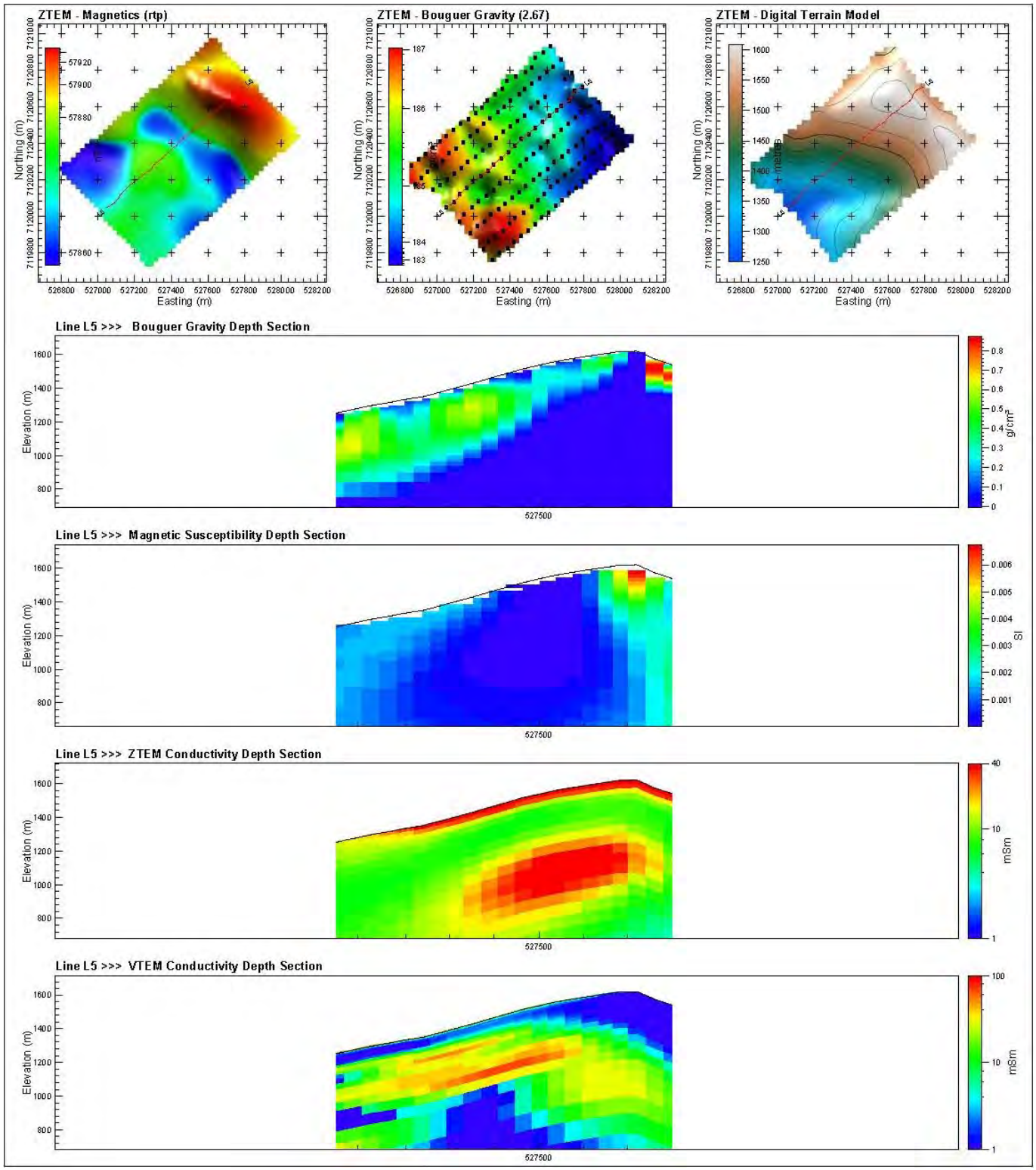

Figure 43: ZTEM grid. Example MultiPlot - Line 5.

PUMA GRID

An example MultiPlot (Line 1.1) is shown in Figure 44. The gravity inversions show a denser unit extending across the western section of the grid. The density within this unit shows considerable variability, with small, isolated highs distributed somewhat randomly.

The magnetic inversion is relatively featureless, other than defining a more magnetic unit along the northeast edge of the grid.

Both VTEM and ZTEM inversions show a very similar conductor which extends across every line at the northeastern edge of the grid and extends beyond the grid area. This conductor is similar to the one defined on the ZTEM grid and may not extend to the surface. It lies approximately 4 km along strike from the Tiger zone and represents another attractive target for drill testing.

EL GRID

An example MultiPlot (for Line 9600) is shown in Figure 45. A local gravity high extends across the western side of the grid and the inversions show discrete density highs on most lines.

The magnetic inversion shows several discrete susceptibility highs corresponding to the magnetic anomalies on the MiniPlate. These susceptibility highs do not correlate exactly with the density highs.

Both VTEM and ZTEM inversions show a broad, very conductive zone extending most of the way across the grid, beneath a relatively resistive surface layer which varies in thickness from 50-100 m.

The Condor inversions of the Aurora IP data also show a similar strong conductor (with resistivities down to 1 ohm-m) beneath a resistive surface layer (resistivities > 1 000 ohm-m) varying in thickness from 50-100 m. A number of discrete chargeability highs are delineated on the inversions-these are relatively small and near-surface and mostly lie within the more resistive surface layer, not within the deeper, strong conductor.

Two drill holes were targeted on the gravity high and susceptibility high on Line 9600 (Figure 45). Geological mapping indicated that the dip was relatively shallow to the north, so the holes were drilled to the south. Hole No 1 was designed to intersect the density high and chargeability high centered just north

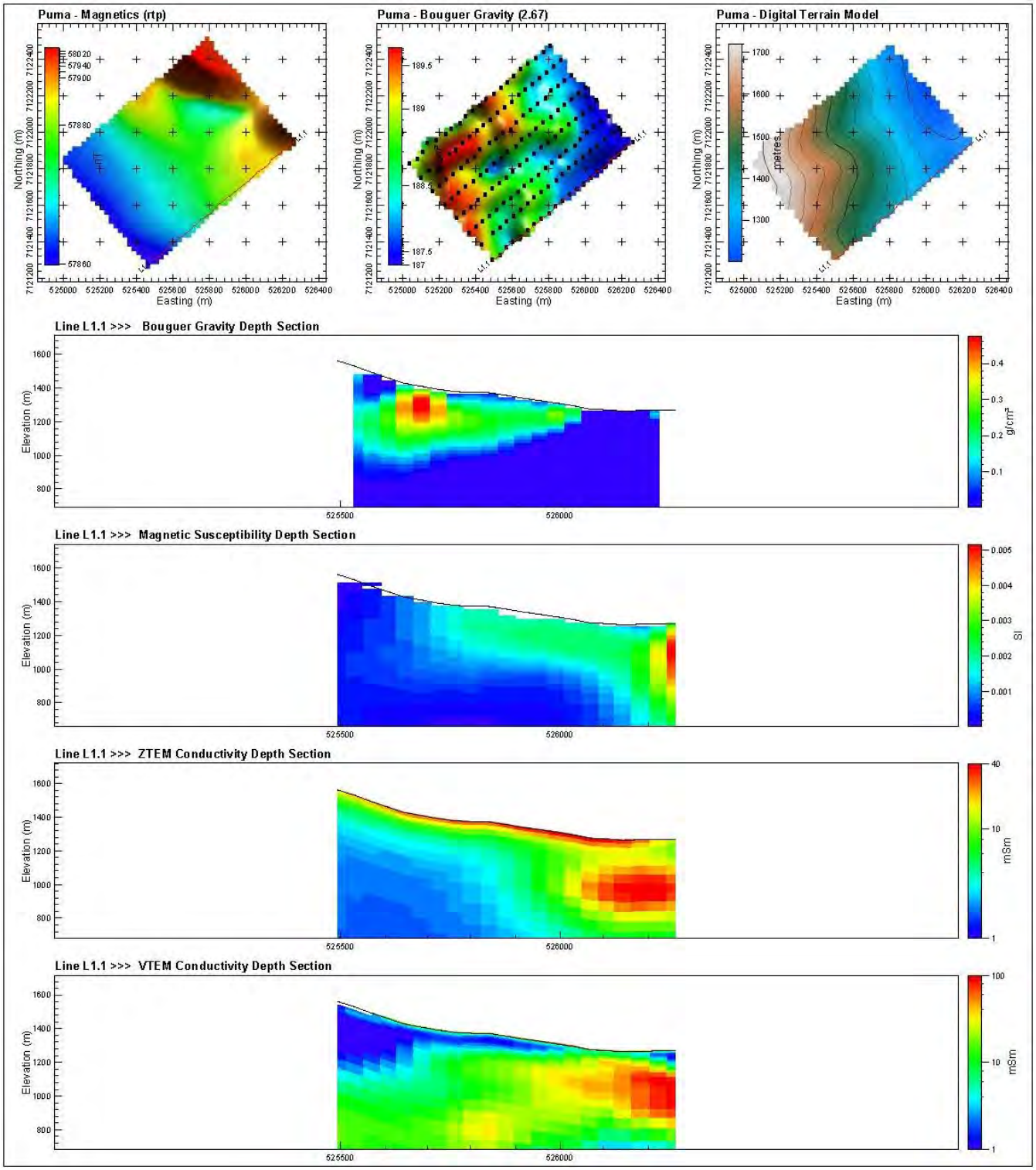

Figure 44: Puma grid. Example MultiPlot - Line 1.1.

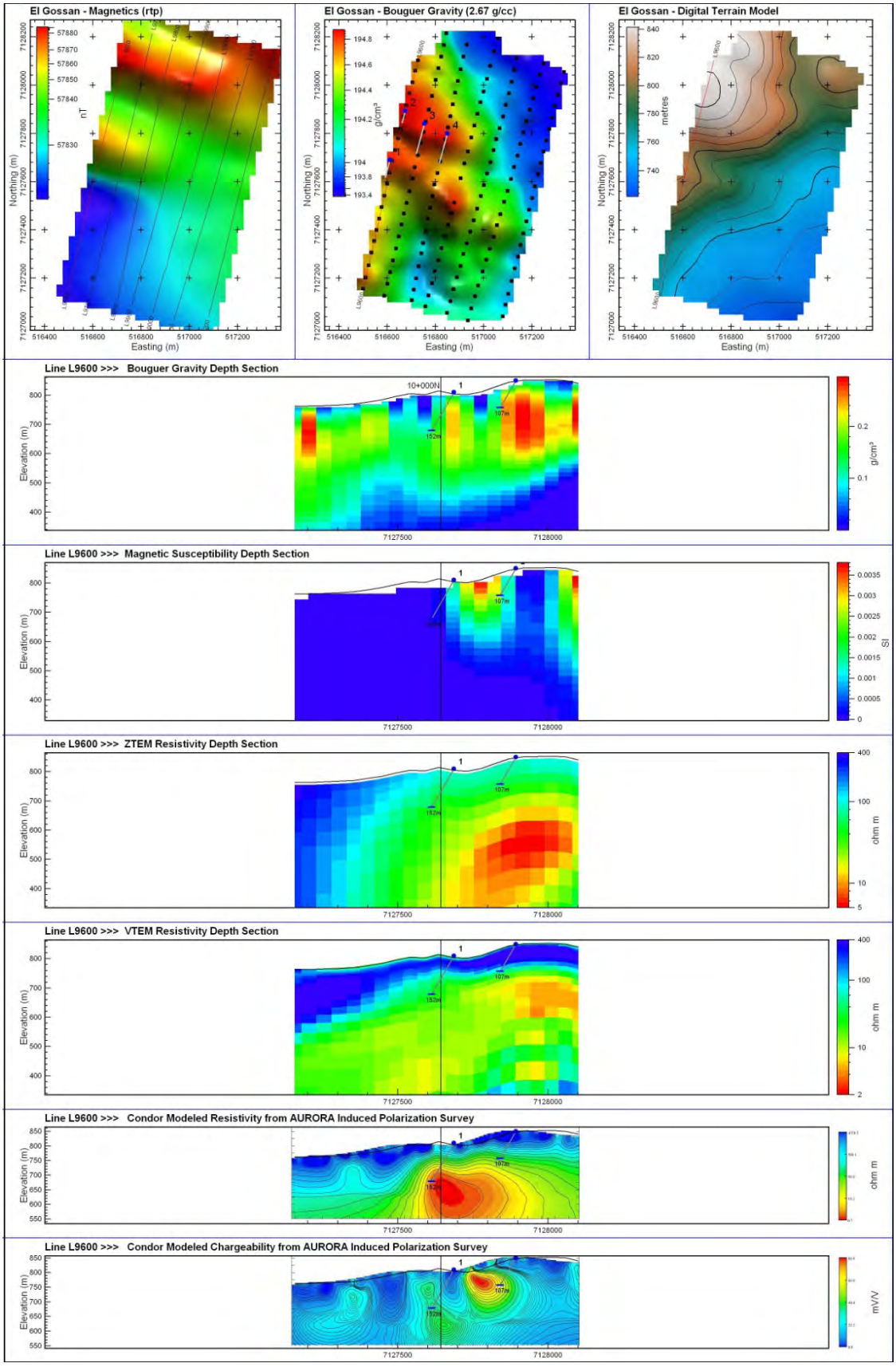

Figure 45: El grid. Example MultiPlot - Line 9600.

of the base line 10 000N. However, in hindsight the collar was located too far south and the hole may have gone over the top of these targets. It intersected a 1 m zone of galena/smithsonite approximately correlating with the density high - however this thin sulphide zone is not sufficient to generate the observed gravity anomaly. Graphite/pyrobitumen was also present within the carbonates

Hole No 2 was drilled under Hole No 1, at a steeper angle. It was designed to test the zone of higher density and higher chargeability. This hole intersected weak mineralization for 70 m down hole in the center of the IP anomaly, which was interpreted as weakly altered, dolomitized karst-filled limestone. Pyrobitumen was also present.

The gravity and chargeability anomalies have not been satisfactorily explained by the two drill holes. The very low resistivities at depth also require an explanation – the holes appear to have barely penetrated this zone. Although graphite/pyrobitumen has been observed in the drill core, graphite does not appear to be the explanation for the low resistivity zone because the observed chargeability highs are localized in the surface resistive zone and do not correlate with this conductor.

12. CONDOR PRODUCTS

TargetMaps

Scale 1:40 000 (Central block) and 1:20 000 (SE and NW blocks) NAD83 / UTM Zone 14N

For each block, eight maps have been generated, with base layer images as follows:

- TMI-RTP
- Magnetic Tilt Angle
- Digital Terrain Model
- XIP_180Hz_PR (Z/X In-phase Component Phase Rotated at 180Hz)
- YIP_180Hz_PR (Z/Y In-phase Component Phase Rotated at 180Hz)
- IP_180Hz_TPR (Total Phase Rotated from In-phase Components at 180Hz)
- IP_180Hz_DT (Total Divergence from In-phase Components at 180Hz)
- 180Hz_Apparent_Conductivity

On each map the following layers are presented:

- Magnetic interpretation
- ZTEM conductor axes
- Target Zones
- Ground grids (in Central block)
- Drainage

MultiPlots

Horizontal scale 1:20 000

MiniPlates: RTP, Tilt Angle, Apparent Conductivity 180 Hz, DTM

Tracks:

- EM X In-phase profiles 30-720 Hz
- EM X Quadrature profiles 30-720 Hz
- TMI, Tilt Angle, 1st vertical derivative
- Conductivity Depth Section showing EM system height and drill holes (where present)
- Magnetic susceptibility model from MAG3D inversion
- Trackmap of Tilt Angle, with flight path

Stacked CDS

Horizontal scale 1:20 000 Vertical scale 1:40 000

Central block – 11 sheets

SE block – 7 sheets

NW block – 7 sheets

Processing and Analysis Report (2 hard copies)

Archive DVD contains the following files:

- PDF files and Geosoft Map files of all **TargetMaps**
- DXF files of interpretation
- Geotiff images of ZTEM magnetic grids (TMI, RTP, 1st vertical derivative and Tilt)
- Geotiff images of ZTEM EM grids (IP_180Hz_TPR, IP_180Hz_DT, XIP_180Hz_PR, YIP_180Hz_PR, 180Hz_AppCon)
- PDF MultiPlots for Central, SE and NW blocks
- PDF stacked CDS for Central, SE and NW blocks
- PDF MultiPlots comparing ground and airborne geophysics over Grid2 (Tiger), ZTEM, Puma and El grids within Central block
- PDF copy of this report
- Geotech report and products for ZTEM Central Test survey (June 2010)
- Geotech report and products for ZTEM Main survey (August 2010)
- ZTEM Primer
- Interim Interpretations June-Aug 2010

13. CONCLUSIONS AND RECOMMENDATIONS

The ZTEM survey has delineated conductive zones in all three blocks which may be caused by lithologies and/or alteration associated with Au (and possibly base metal) mineralization. Due to the nature of the system, ZTEM is more suited to defining zones with longer strike length than discrete conductors. Because ZTEM responds to conductivity contrasts rather than absolute conductivity, it is suited to geological mapping and delineation of structures and alteration associated with precious metal deposition.

In the Central block, a ZTEM conductor correlates with the Tiger zone and extends northwest for a total strike length of approximately 10 km, encompassing a number of Au prospects including Puma. A similar, but separated, conductor correlates with the El zone. These were partially defined by the previous VTEM survey as relatively weak and discontinuous conductors, but the ZTEM conductors are stronger, more continuous and better resolved from other conductors.

Standard products from the ZTEM include maps of various parameters, some of which are based on either the X (along line) or Y (across line) components and some are based on the combined responses. In the Central block the image of the XIP_180Hz_PR (180Hz inphase z/x component phase-rotated) best defined the Tiger zone and its extension to the northwest. Consequently, this parameter was chosen as the primary data for initial interpretation of the other two blocks. The 180Hz data is a mid-frequency which provides suitable depth penetration – images of the same parameter at other frequencies do not differ markedly.

The Z/X measurement is most sensitive to conductors approximately perpendicular to the flight lines, while the Z/Y measurement is most sensitive to conductors sub-parallel to the lines. Examination of both sets of images suggests that in the Central block the majority of conductors are oriented across the flight lines and so the X component data is most useful for mapping conductors. However, in parts of the SE and NW blocks, significant differences are noted between the grids generated using the X component and those generated using the Y component, indicating that the conductors are not perpendicular to the flight line direction. In these areas the TPR (Total Phase Rotated), DT (Total Divergence) and Apparent Conductivity (Condor) which combine the X and Y components have also been utilized in the interpretation.

The Osiris mineralized zone in the SE block does not show any clear ZTEM signature, although it does lie close to a major conductor boundary extending in a NW-SE direction across most of the block. Con-

sequently, this style of mineralization appears to be different from that of the Tiger zone in the Central block.

The Target Zones generated during the interpretation are based on the Tiger zone model – strike extensive, relatively narrow, weak-moderate conductors oriented close to the magnetic strike direction. These TZs are usually relatively large and no viable method has been identified to utilize other geophysical parameters to focus within these zones. Consequently, other techniques including geochemistry and geological mapping will be required in conjunction with the ZTEM conductivity and magnetic data to generate specific drill targets.

Respectfully submitted,

CONDOR CONSULTING, Inc.
December 24, 2010

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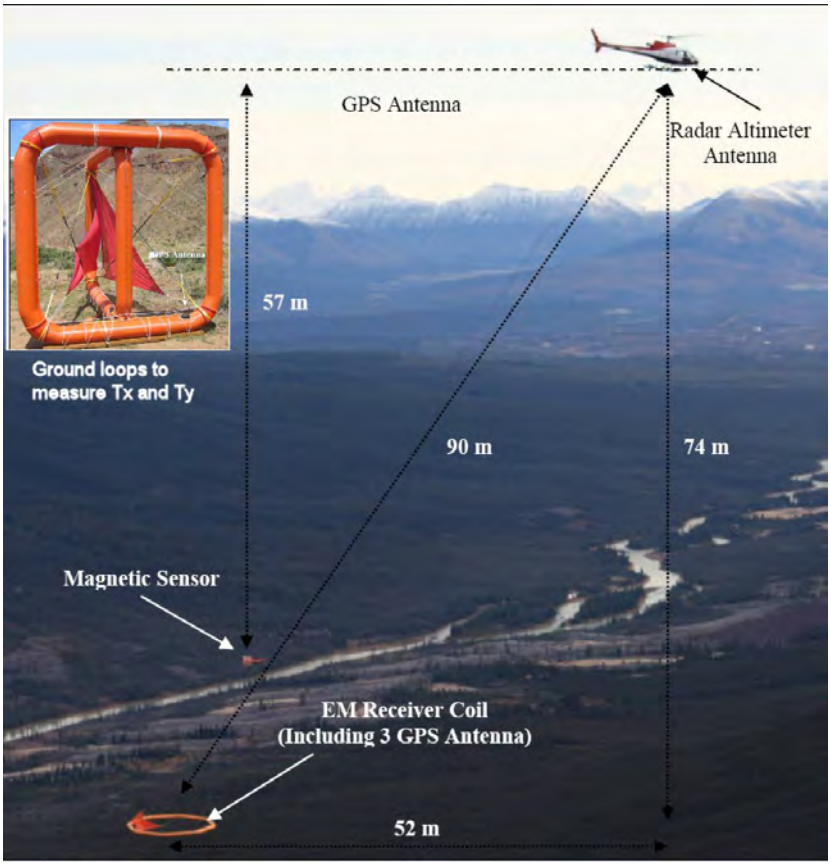
APPENDIX A: ZTEM PRIMER

ZTEM PRIMER

DECEMBER 2010



Condor Consulting, Inc.
Lakewood Colorado
USA

THE ZTEM SYSTEM
PRINCIPLES, MODELING AND ANALYSIS TECHNIQUES

GENERAL BACKGROUND

The ZTEM system was developed over the first part of the last decade (Kuzman et al 2005) and has been flying commercially since 2006. This technical note was written so as to provide Condor's clients with a basic background on the system, how the data is processed and interpreted. Additional information on the system and data processing is included with all of Geotech's ZTEM survey reports. As the system is quite new to the exploration industry, this document will most likely be modified from time to time.

The ZTEM system operates quite differently from traditional airborne EM systems such as VTEM. For VTEM and other what are sometimes referred to as active source EM systems, EM signals are transmitted into the earth and return signals received as the system moves over the ground in a fashion analogous to a towed marine sonar 'pinger'. Unlike sonar however, the transmitted EM field interacts with the underlying conductivity in the earth and the received signal (or secondary signal) gives a response that with suitable processing and analysis can define the location and quality of conductors within the earth. The image below shows the transmit and receive modes of an active source EM system.

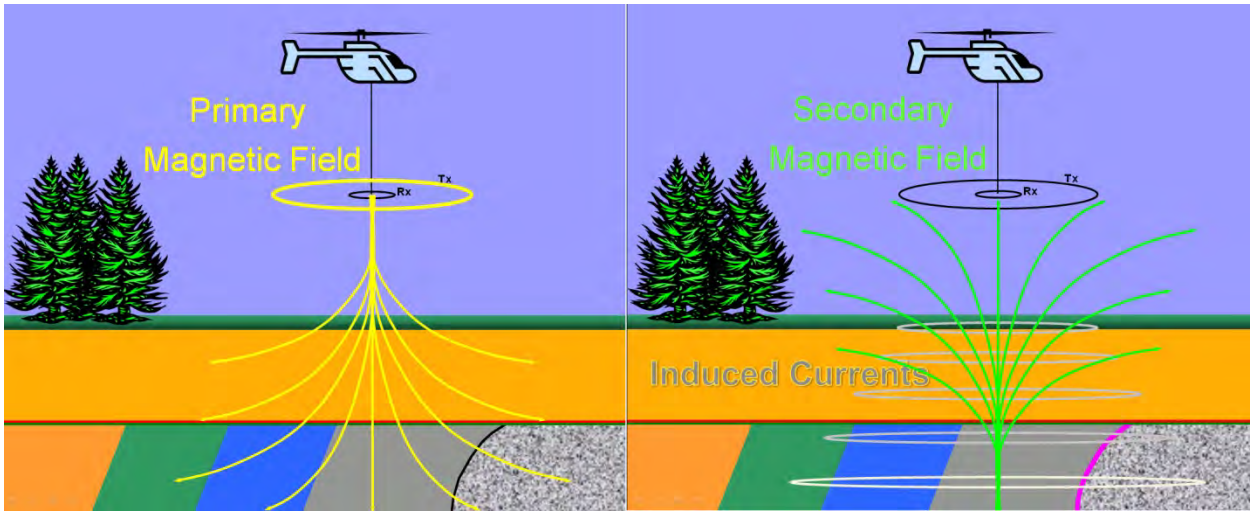


Figure 1

Rather than relying on a signal generated by the equipment on board the aircraft, ZTEM measures naturally occurring magnetic fields in the earth in a fashion similar to the Magnetotelluric (MT) technique. Fig. 2 shows the power spectrum and bandwidth of EM responses that the ZTEM operates in. ZTEM typically operates between 30-720 Hz.

Unlike conventional AEM methods which are designed to map confined conductors (targets of limited sizes) the ZTEM technique responds best to conductivity contrasts or resistivity gradients most often associated with large geological features such as shown in Fig. 3 below.

The ZTEM system measures the vertical MT field (referred to as Hz) in a loop carried below the helicopter. The other two components Hx and Hy are measured on

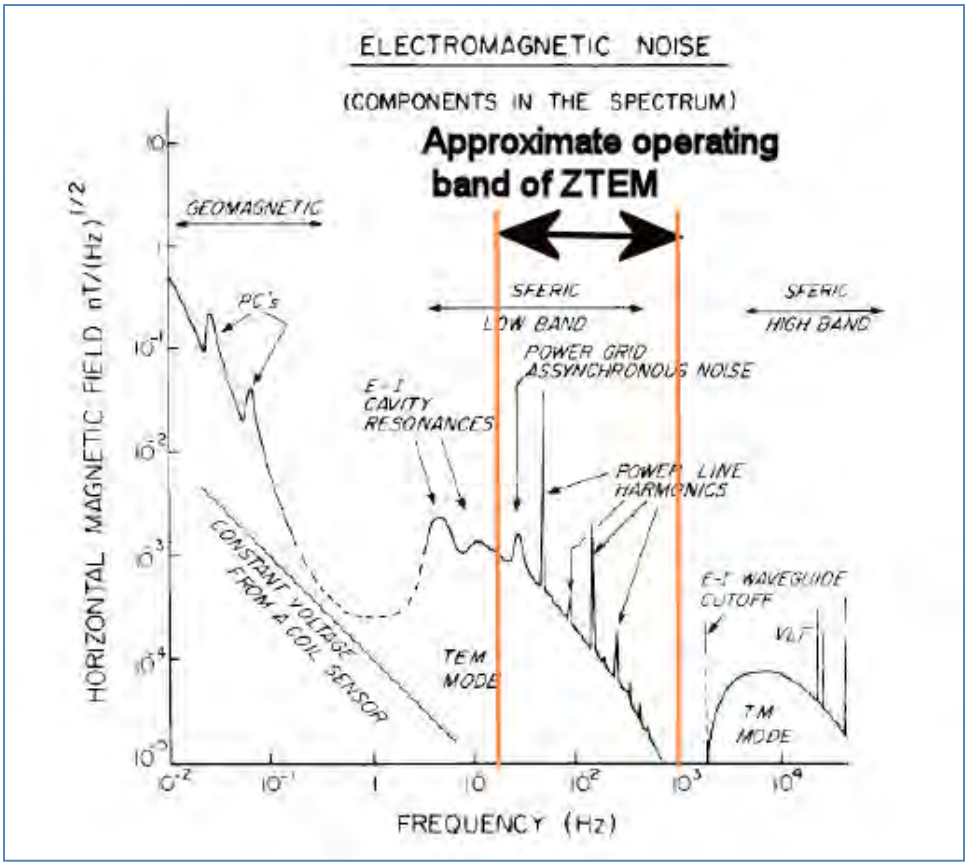


Figure 2

the ground with two fixed coils. The primary delivered data is the ratio of the Hz/Hy and Hz/Hx, commonly referred to as the tipper ratios and expressed in the form Tzx and Tzy. Geotech routinely delivers information (in-phase and quadrature data as a fraction) at the frequencies 30, 45, 90, 180, 360 and sometimes 720 Hz. As can be seen in the naturally occurring EM spectrum plot)Fig 2), the ZTEM signal strength drops as the frequency increases and the 720 Hz signal can sometimes not be obtained. Fig. 4 shows what the various parts of the ZTEM system look like.

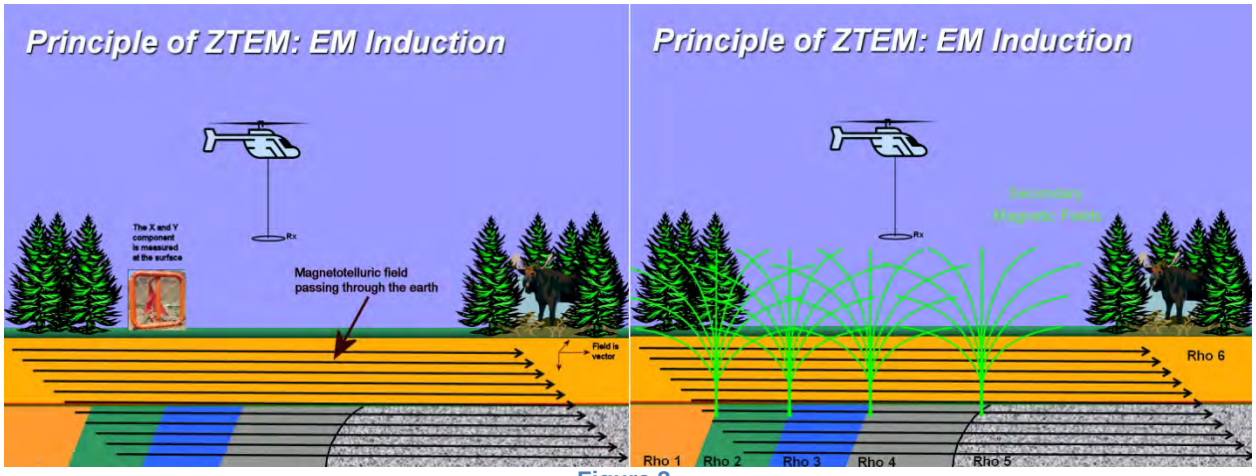


Figure 3

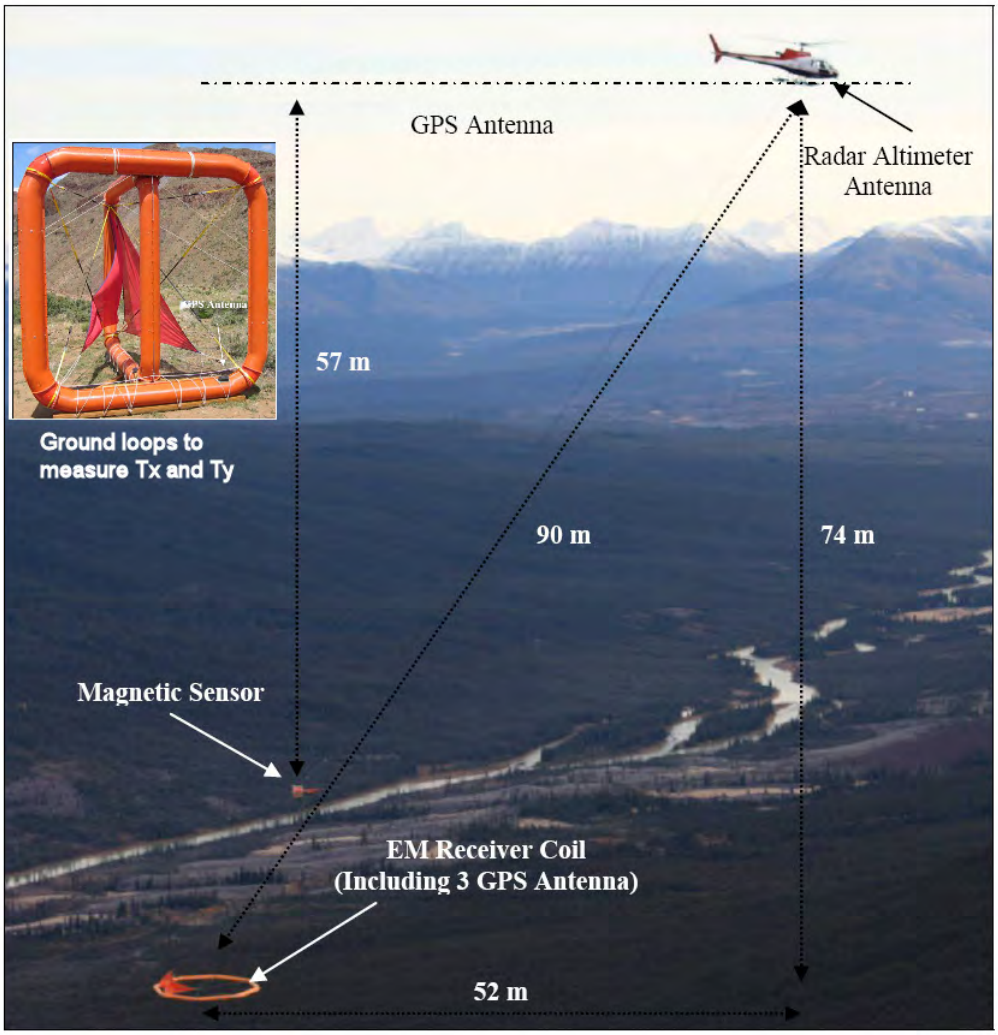


Figure 4

The Geotech standard field report discusses important issues about how the data is processed and presented to clients. A copy of a recent version is attached with this Technical Note (November 2010).

Even though ZTEM data are sensitive to lateral variations conductivity contrasts, the system can't resolve absolute earth conductivities. While calibration of the ZTEM responses using external information is theoretically possible, we have not achieved generally better outcomes of our ZTEM processing using a priori resistivity information.

The setting up of a ZTEM survey is fairly normal compared with other airborne techniques. Flight lines should be normal to the likely geological strike. As to line spacing however, due the more slowly changing primary field strength, little additional information is gained by going to line spacings closer than 100 m. For the primary processing Geotech performs to the raw ZTEM data, Geotech requires a minimum line length of 10 km to be used.

The strength of the natural EM field drops off slower with height than the primary field generated by active-source EM systems. For this reason ZTEM can operate in more rugged terrain (flying higher) and still obtain a useful signal. Condor believes that while this aspect of ZTEM is beneficial to getting good quality data in rugged areas, the system should still be operated as close to the ground as can be safely accommodated in the specific survey conditions.

ZTEM is more sensitive to power line noise than active source EM techniques and in some instances, Geotech will decline to undertake a ZTEM survey if they feel the data will be sub-standard due to excessive power line interference.

SYSTEM RESPONSES

This section shows the ZTEM response to some basic geological scenarios. These results were generated using the 2D finite element code developed by Phil Wannamaker (Wannamaker et al 1987). The first plot (Fig. 5) shows the response across a layered earth. Since Hz is zero above a 1D (layered) earth, the ZTEM Tzx response is also zero.

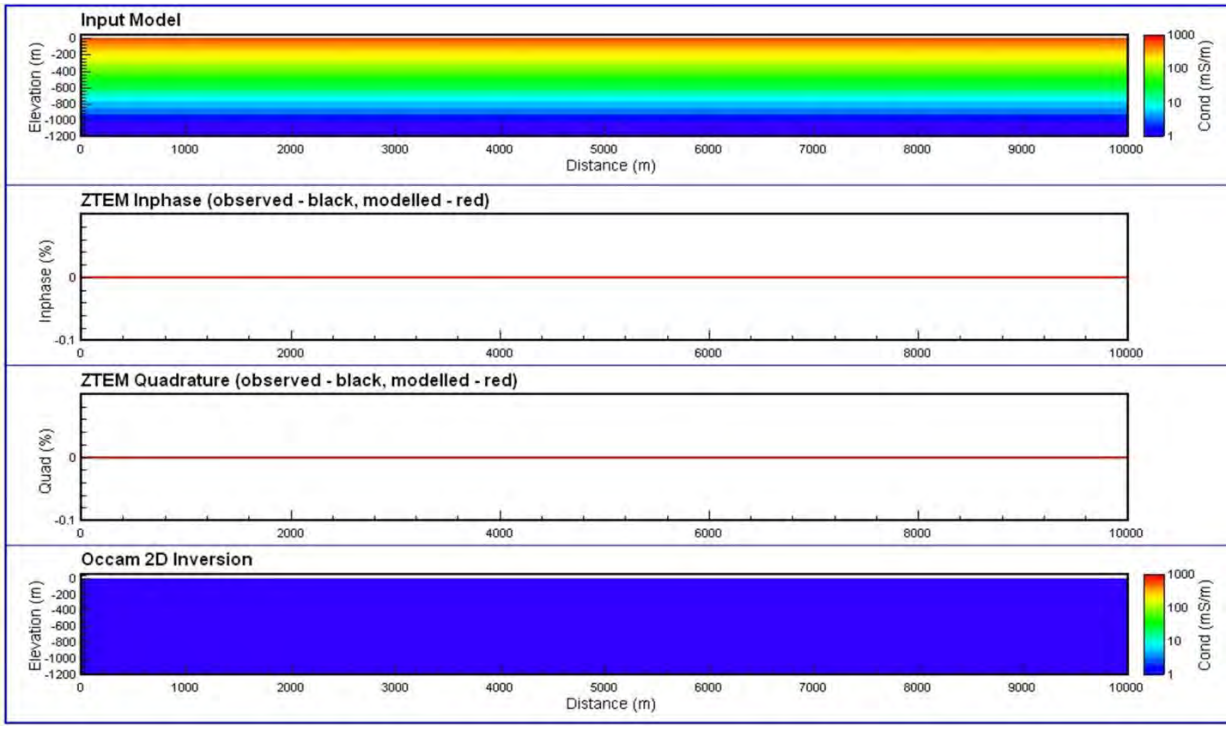


Figure 5

In the next figure (Fig. 6) the response over a contact with a fixed ratio between the two sides (1:100) but with the absolute resistivity values allowed to vary. This shows the basic shape of the ZTEM responses, a peak overtop of the contact. Note the slope of the response is steep on the conductive side and broad on the resistive side. There is also a change in amplitude with absolute value of the resistivity; higher resistivities produce slightly higher peak responses.

The next set of models (Fig. 7) shows the response for a variable contrast contact; 1:2 at the top of the figure and 1:1000 at the bottom. The higher the contrast the higher the amplitude of the response; lower contrasts also produce broader, more symmetric responses.

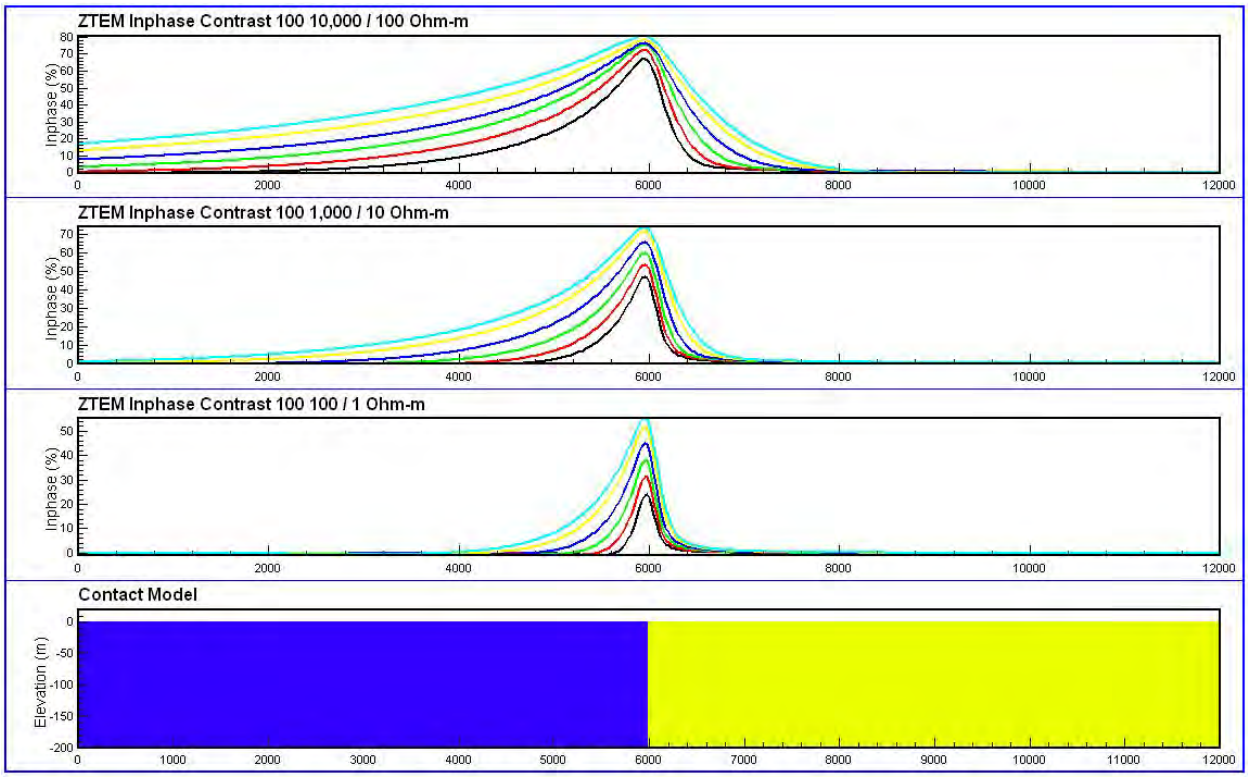


Figure 6

The next model (Fig. 8) shows the 1:100 ratio contact model that has been processed with Condor's 2D Occam code (Sattel and Witherly 2010). The observed and model fits to the data are shown in profile form and the resulting conductivity depth section at the bottom of the image. Note the resistive part of the model is well recovered but the conductive section is over-estimated in conductivity value. As well a minor contact 'artifact' appears at the contact.

A conductive body is added in the next figure (Fig. 9). In the modeling this then produces a strong conductor that is slightly shallower than the actual target depth. The resistivity of conductive unit (on right) is also better recovered in this situation.

The response over a conductive slab is shown in the next figure (Fig. 10). This highlights that ZTEM responds primarily to resistivity gradients at contacts or edges. At both edges, a strong response is observed but over the conductive slab proper, there is no response observed.

The final figure (Fig. 11) shows the response of a target under a conductive slab. Note this discrete response also allows the inversion program to achieve some definition of the surface layer as well.

In terms of anomaly shapes, over contacts (example in Figs. 6-7-8) the anomaly shapes are peaks whereas for discrete targets, the responses are more cross-over's (examples in Figs 9 & 11). This means that contact-type responses will be displaced if a phase-rotated product is used for interpretation.

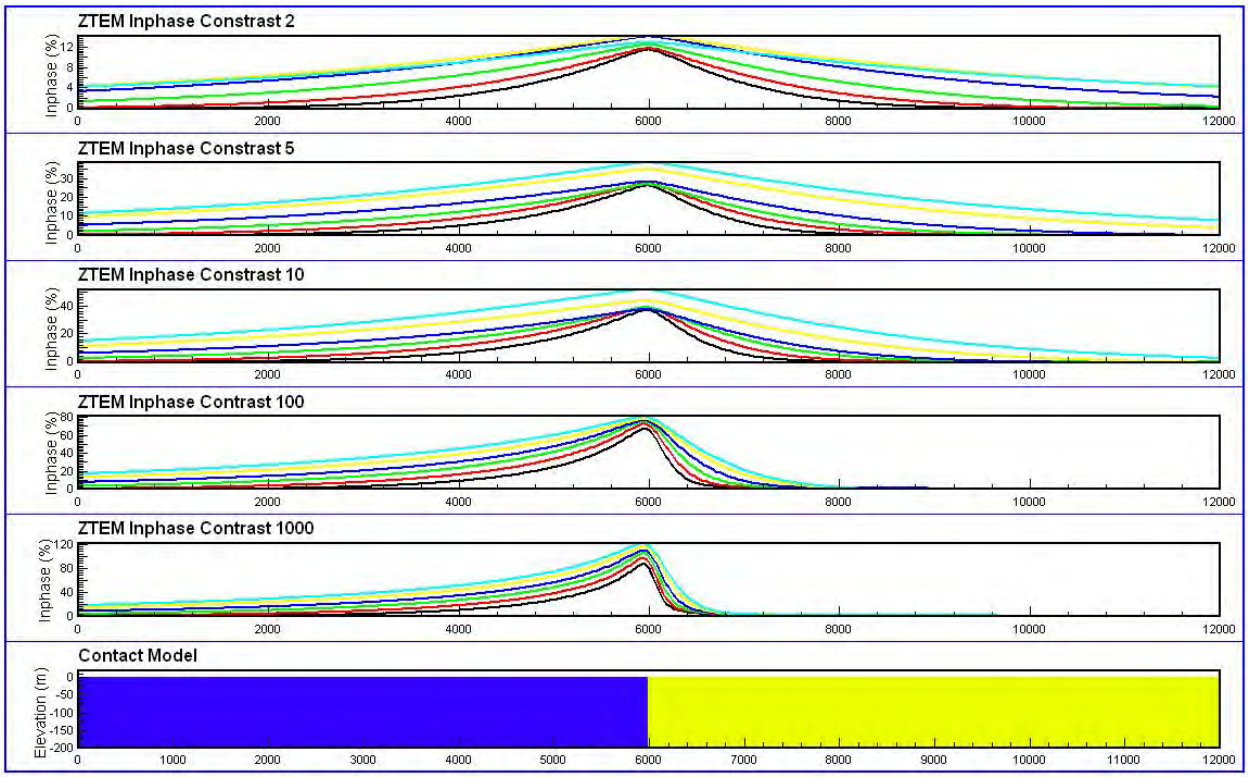


Figure 7

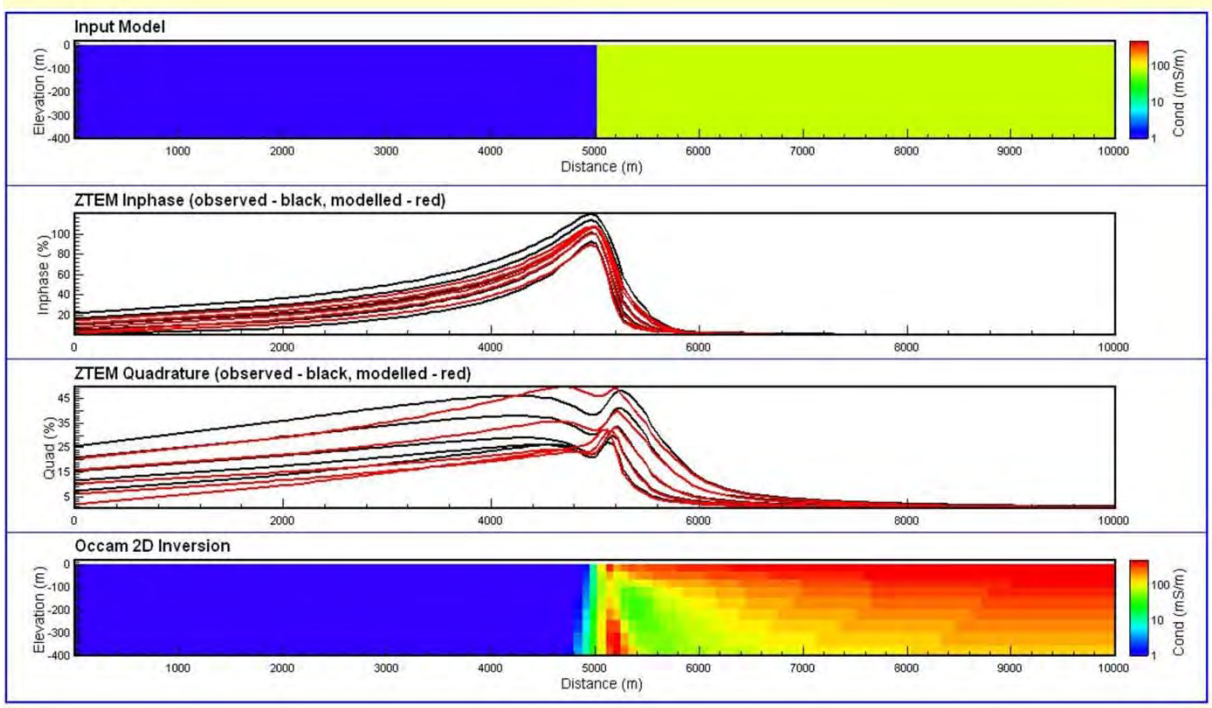


Figure 8

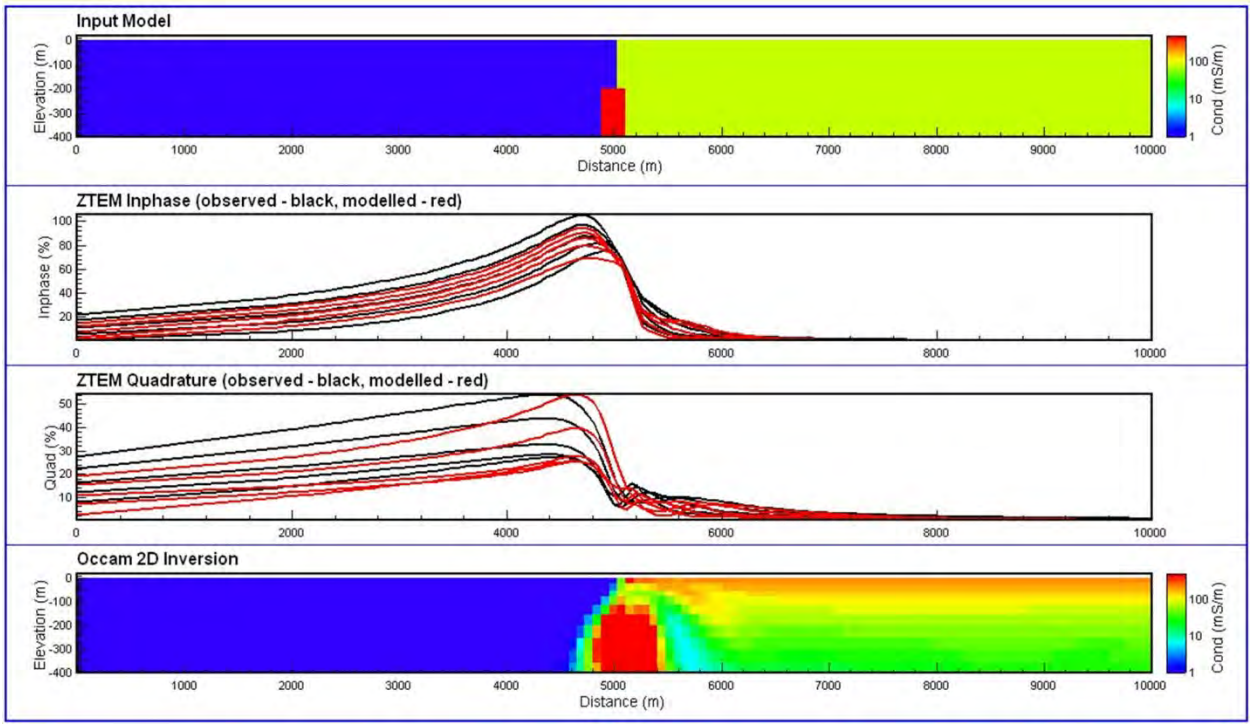


Figure 9

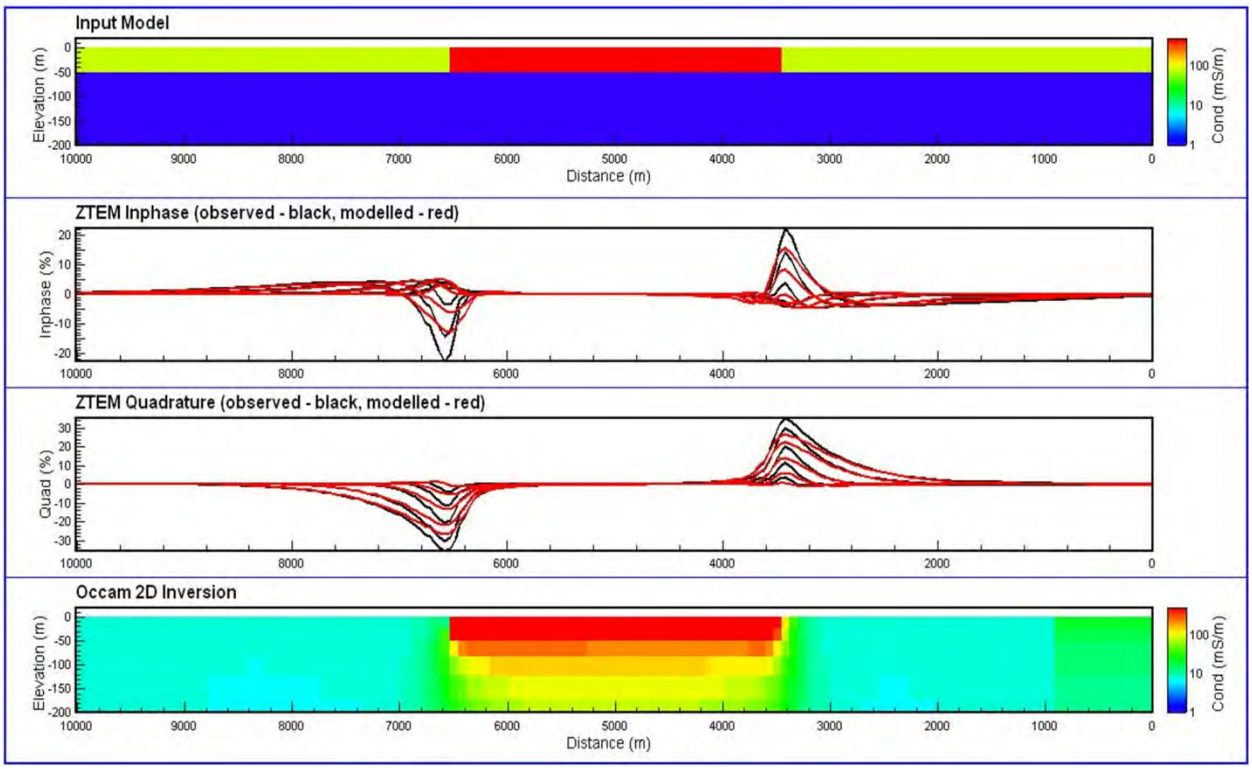


Figure 10

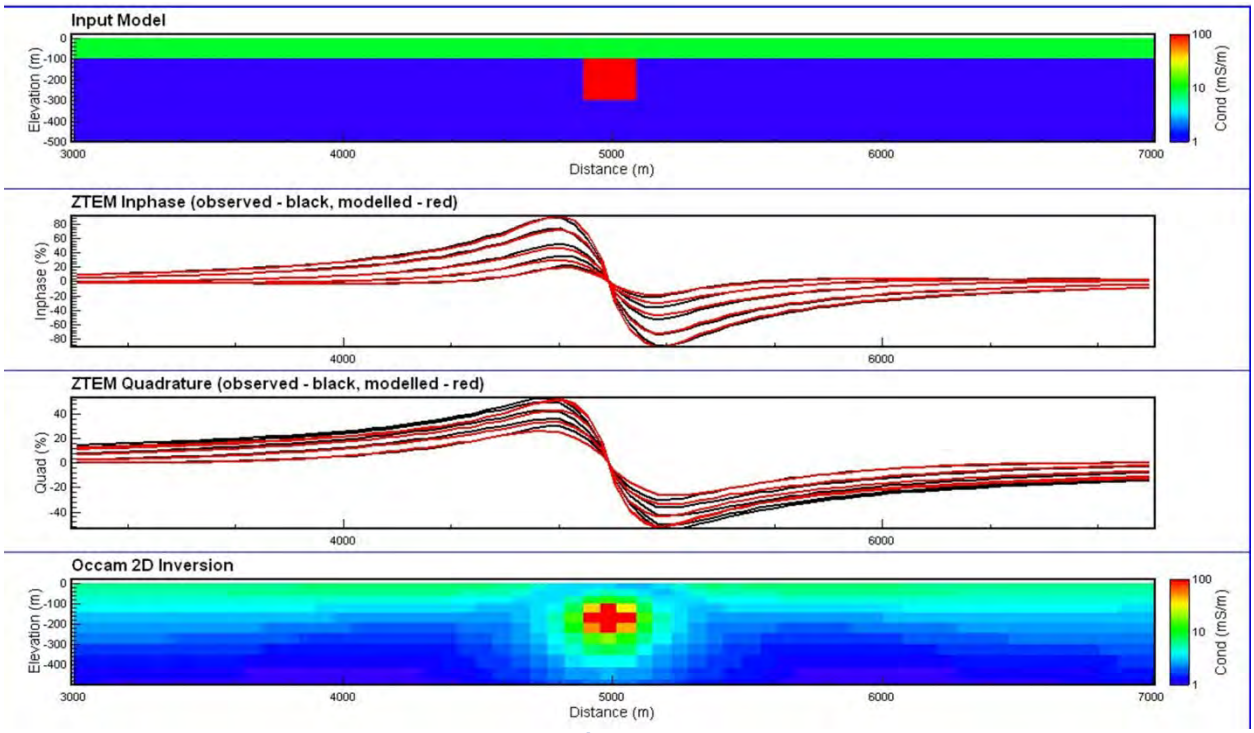


Figure 11

PROCESSING & PRODUCTS

The three main forms of products that are currently generated from the ZTEM data are:

1) Profiles of the tipper ratios (for each of the acquired frequencies, each with an in-phase and quadrature component.

2) Grids of original and phase-rotated in-phase and quadrature information of the Tzx and Tzy components. The phase-rotation produces positive peaks over discrete conductive features. The same filtering over formational contacts (examples in Fig 6-7-8) will produce a slightly displaced peak since the primary anomaly shape is a positive peak (rather than a cross-over as is present over a discrete conductor (examples Fig. 9 & 11)). A further grid set is also generated from the merging of the Tzx and Tzy grids and the peaker (sum of the horizontal derivatives). The derivation of these products is discussed in more detail in the Geotech field survey report.

3) 2D conductivity inversions.

The application of 3D inversions, such as described by Holtham and Oldenburg (2010), for the modeling of large scale ZTEM surveys is still considered impractical due computing time to perform 3D inversions over large areas.

Examples of these products are shown below from ZTEM surveys Condor has worked on over the last six months.

Profiles
Typically the in-phase and quadrature information for the various frequencies is what is commonly displayed.

Grids-Geotech
The definitions of the Geotech-derived grids are provided below. The DT and TPR grids are generated from the peaker and phase-rotated, merged Tzx and Tzy component data respectively.

DT (Total Divergence): The DT gives a clearer image of conductor's location and shape but, as a derivative, it does not preserve some of the long wavelength information and is also sensitive to noise.

TPR (Total Phase Rotation): As an alternative, a 90 degree Phase Rotation (PR) technique is also applied to the grids of each individual component (Tzx and Tzy). It transforms bipolar (cross over) anomalies into single pole anomalies with a maximum over conductors, while preserving long wavelength information (Lo et al., 2009). The two orthogonal grids are then usually added to obtain a Total Phase Rotated grid for the in-phase and quadrature.

The major purpose of various grid displays is try and provide an optimal means to show the contained geological content. On a component basis, the Tzx component contains the most information about the geology normal to the survey line and the Tzy about across-line conductivity. Together (in the form of the DT or TPR products), a more 3D-view of the geology is conveyed.

Fig 12 shows all of the Geotech-generated grids for the Pebble 45 Hz signal. As noted above, some of the products are unique and some are the merged product of the Tzx and Tzy component data; this is indicated in the figure. There is a suite of such grids for each frequency being provided by Geotech.

Currently, there are likely more choices in grid-based products than are effective for most exploration situations; i.e. too many choices. Geotech has likely pursued this approach given the nascent state of ZTEM interpretation and a fear they might 'miss something' if they did not provide what they felt were all the products that might show useful information. At this stage, Condor has usually performed 'quick looks' using the Tx-in-phase data at one of the lower frequencies.

Condor also produces a set of products defined below. Some have similarity to what Geotech provides and some considered different. As noted above, there are likely too many derived products currently being produced for ZTEM surveys and with experience, we'll know the best suite of products to employ in most situations.

1) AppCon grid

2) 2D Occam conductivity depth model

3) Karous-Hjelt depth section & grids

AppCon: The apparent conductivities and phases are derived using both the Tzx and Tzy Tipper information for each frequency. This approach uses an approach first developed for VLF data by Becken and Peterson (2003) and is believed to derive a superior estimate of the conductivities being mapped.

The AppCon outcomes for Pebble are shown in Fig. 13.

2D Occam: This uses a modified version of a 2D MT inversion program developed over a number of years by Constable and Wannamaker (deGroot-Hedlin and Constable, 1990; Wannamaker at al., 1987; deLugao and Wannamaker, 1996). The primary output of the inversion is a conductivity depth section such as shown in Figs. 8-11. In addition, grids can then be created showing the conductivity at a particular depth below surface.

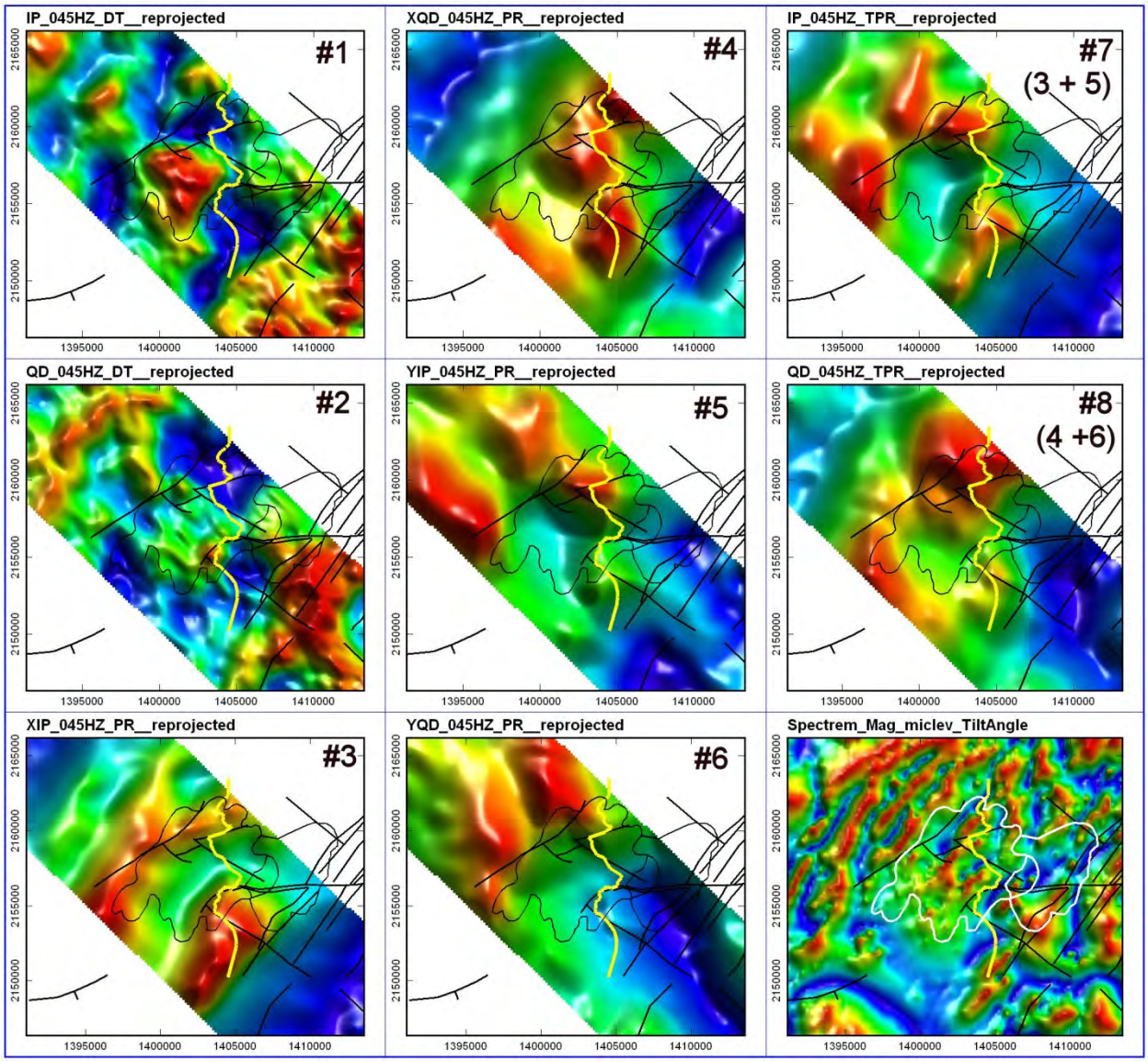


Figure 12

The result of a 2D Occam inversion for Pebble is shown in Fig. 14; the result of an inverted line of Spectrem data (active-source time domain EM system) is shown as well for comparison.

Fig. 15 shows a series of depth slices through a block of models derived with 2D Occam inversions from ZTEM data acquired across the Pozo Seco deposit (Witherly 2010). The depth slices from a VTEM-derived conductivity model over the same area are also shown. This example shows that the ZTEM results provide considerably more detail about the conductivity structure of the earth than the VTEM. This is considered a good example of ZTEM being more sensitive to high resistivity zones and contacts within these zones.

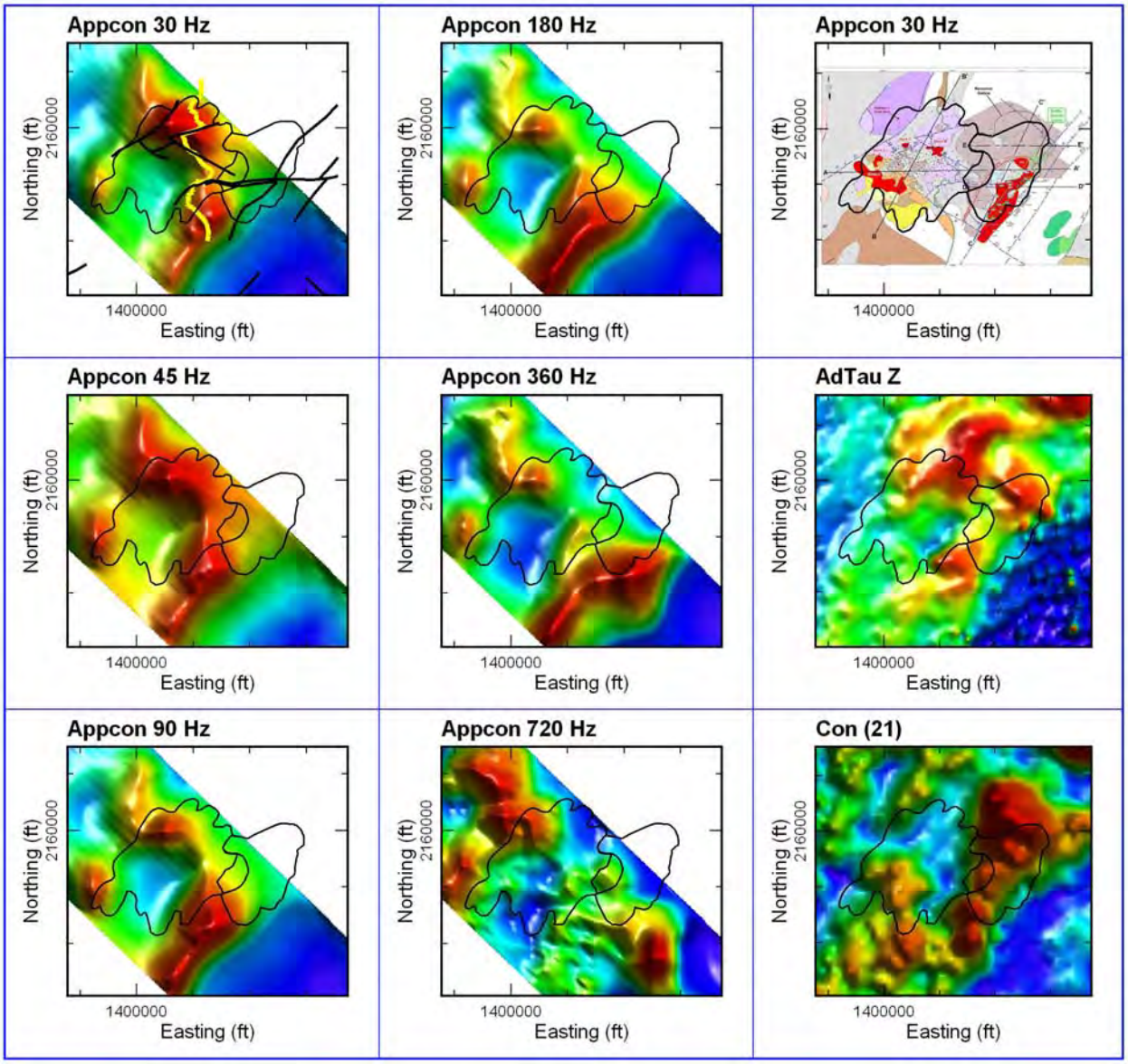


Figure 13

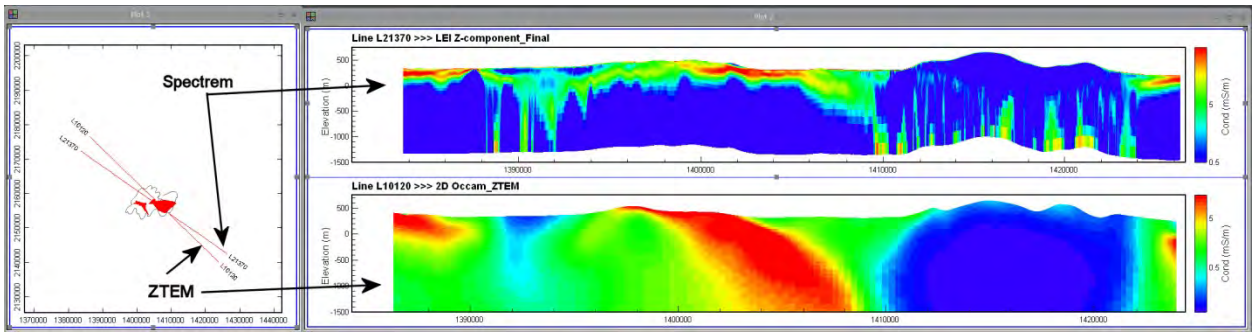


Figure 14

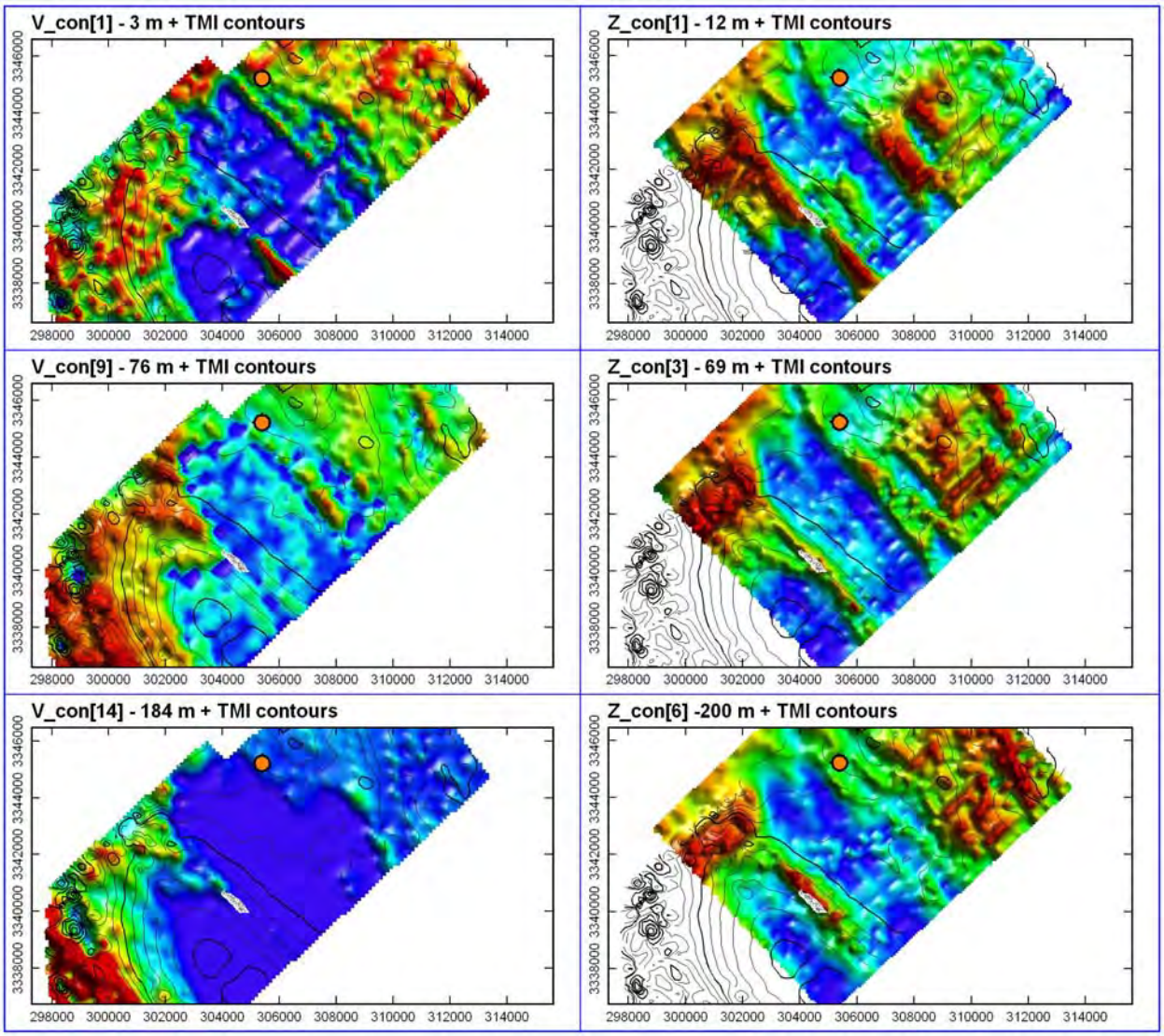


Figure 15

Karous-Hjelt depth section & grids: Pseudo-sections derived with the Karous-Hjelt filter (Karous and Hjelt, 1983) can be useful to extract subtle conductors from the ZTEM profiles. The main property of the Karous-Hjelt filter is to turn cross-

over's into peaks. **G**rids can as well be generated from the Karous-Hjelt processing. These grids are similar to divergence grids generated by Geotech that are based on the VLF peaker derivation (Pedersen et al., 1994). The latter however, makes use of the spatial derivatives of the Tzx and Tzy tippers, whereas the Karous-Hjelt-filtered grids shown are derived from either the Tzx or Tzy data.

Fig. 16 shows the Karous-Hjelt pseudosections for a line of ZTEM over the Forrestania deposit (Sattel and Witherly 2010). Also shown is the 2D Occam inversion as well.

Depth of Investigation of ZTEM

A theoretical assessment of the ZTEM frequency group using a skin depth assumption is shown in Fig. 17 (Lo et al 2008). While this concept has merit, it over simplifies the understanding of where the ZTEM signals are being generated. The VTEM system has a base frequency of 30 Hz (same as lowest frequency available with ZTEM) but the deepest useable signal Condor has observed is over conductors in the Athabasca Basin that have been drilled to a depth ~825 m depth. This is believed to be close to the effective depth of investigation of VTEM and is the result of both the skin depth of the primary signal as well as the signal/noise characteristics of the actual acquired data.

An examination of the modeling examples presented there and field results such as from Pebble (Fig. 14) show that the ZTEM results when modeled can produce a smeared result that is wider and deeper than the actual geological sources are most likely coming from.

CONCLUSIONS

ZTEM is one of the most exciting developments in airborne geophysics in the past decade. However, Condor advises caution when trying to interpret ZTEM outcomes as geological information whether profiles, grids or conductivity depth products are being used. More than most EM techniques, ZTEM is a somewhat paradoxical technique in that it is seen as both very sensitive to subtle changes in the earth's conductivity structure but then in some cases will only allow us to view these features as fairly unsatisfactory blurry images. In other instances, ZTEM can produce high resolution images that appear to capture very subtle geological features that no other technique is likely capable of. It is therefore deemed very important to make every effort to calibrate ZTEM outcomes with ground truth (geological or constrained geophysical results) before embracing the ZTEM results 'geo-truth'.

Condor Consulting, Inc.

December 20, 2010

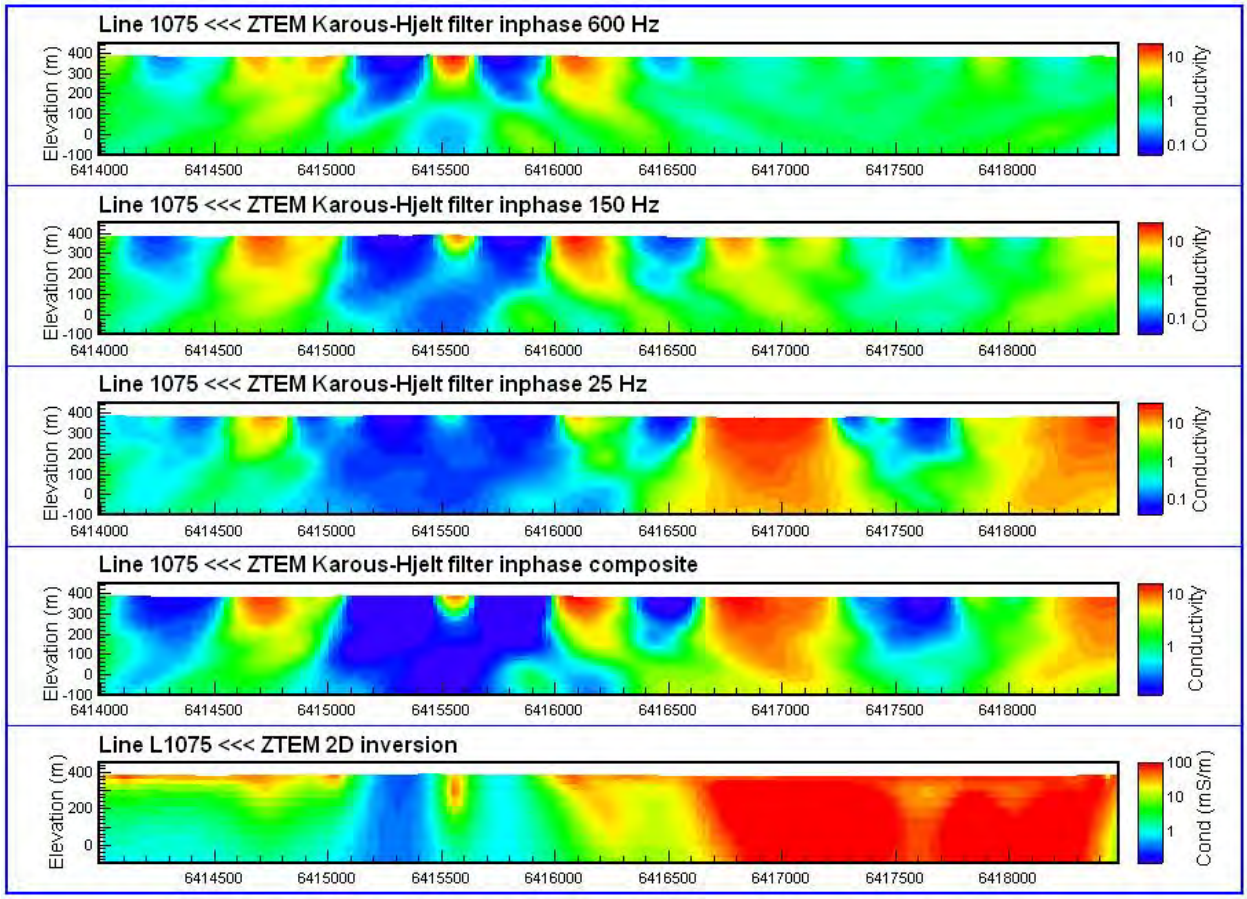

Line 1075 <<< ZTEM Karous-Hjelt filter inphase 600 Hz
Line 1075 <<< ZTEM Karous-Hjelt filter inphase 150 Hz
Line 1075 <<< ZTEM Karous-Hjelt filter inphase 25 Hz
Line 1075 <<< ZTEM Karous-Hjelt filter inphase composite
Line L1075 <<< ZTEM 2D inversion
Elevation (m)
400
300
200
100
0
-100
6414000
6414500
6415000
6415500
6416000
6416500
6417000
6417500
6418000
10
1
0.1
Conductivity
100
Cond (mS/m)

Figure 16

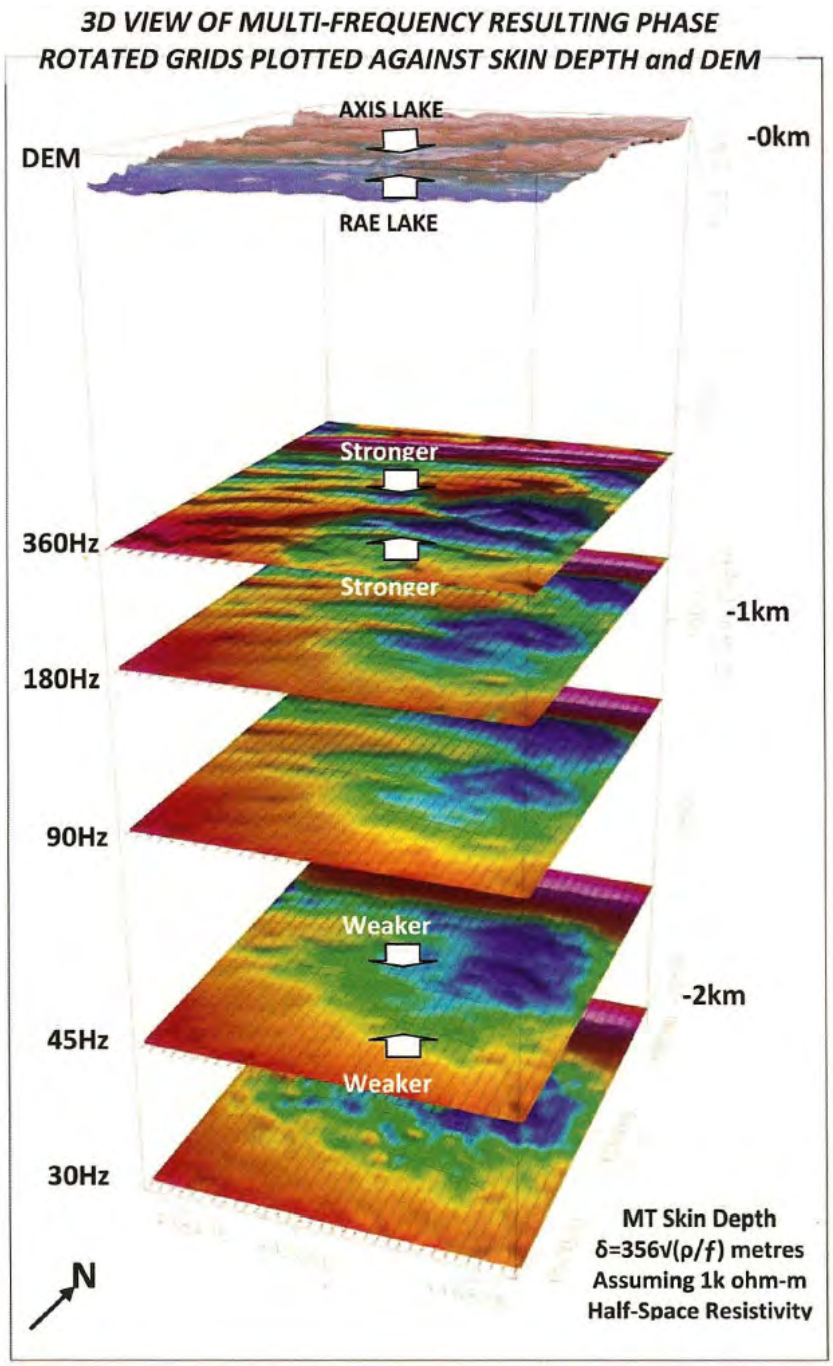


Figure 17

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Witherly, K. 2010 An Assessment of VTEM And ZTEM Data Over the Pozo Seco Skarn-CRD Molybdenum-Gold Deposit, Mexico; Condor Consulting, Inc. internal report, August 2010

[1] Note: Geotech revises their report contents from time to time and the example provided here is representative of a recent commercial report.

APPENDIX B: DETAILS OF ZTEM PROCESSING

GEOTECH TOTAL DIVERGENCE AND PHASE ROTATION PROCESSING

Extracted from Geotech report - Milicevic, B., Legault, J. and Smith, G. (2010)

In a final processing step DT (Total Divergence) and PR (Phase Rotation) processing are applied to the multi-frequency In-phase and Quadrature ZTEM data. This is due to the crossover nature of the Tipper Responses; these additional processing steps are applied to convert them into local maxima for easier interpretation.

To present the data from both tipper components into one image, the Total Divergence parameter, termed the DT is calculated from the horizontal derivatives of the Z/X and Z/Y tippers (Lo and Zang, 2008). It is analogous to the "Peaker" parameter in VLF (Pedersen, 1998).

Total Divergence DT: *DT = DIV (Z/X, Z/Y)*
= d(Z/X)/dx+d(Z/Y)/dy

This DT parameter was introduced by Petr Kuzmin (Milicevic, 2007, p. 13) and is derived for each of the In Phase and Quadrature components at individual frequencies. These in turn allow for minima over conductors and maxima over resistive zones. DT grids for each of the extracted frequencies were generated accordingly, using a reverse colour scheme with warm colours over conductors and cool colours over resistors.

The DT gives a clearer image of conductor's location and shape but, as a derivative, it does not preserve some of the long wavelength information and is also sensitive to noise. As an alternative, a 90 degree Phase Rotation (PR) technique is also applied to the grids of each individual component (Z/X and Z/Y). It transforms bipolar (cross over) anomalies into single pole anomalies with a maximum over conductors, while preserving long wavelength information (Lo et al., 2009). The two orthogonal grids are then usually added to obtain a Total Phase Rotated grid for the In-Phase and Quadrature.

Total Phase-Rotation: *= PR (Z/X) + PR (Z/Y)*

CONDOR PROCESSING OF ZTEM DATA

2D Inversion Algorithm

The recorded ZTEM data were inverted using a 2D MT algorithm, developed by Constable and Wannamaker (deGroot-Hedlin and Constable, 1990; Wannamaker at al., 1987; deLugao and Wannamaker, 1996). The algorithm models the along-line tipper data Tzx (loosely called the X component), taking into account that the vertical component is airborne and the horizontal component sits on a uniform ground. The responses of all frequencies (30 - 720Hz) were included in the inversion.

Model specifications

The cell widths are 15 m, and the cell thicknesses increase with increasing depth, as listed in the following table:

Layer	Depth to bottom (m)	Thickness (m)		Layer (cont.)	Depth to bottom (m)	Thickness (m)		Layer (cont.)	Depth to bottom (m)	Thickness (m)
1	12	12		15	639	66		29	1897	116
2	24	12		16	707	68		30	2018	121
3	38	14		17	778	71		31	2145	127
4	52	14		18	852	74		32	2278	133
5	85	33		19	929	77		33	2428	150
6	125	40		20	1009	80		34	2608	180
7	174	49		21	1092	83		35	2828	220
8	225	51		22	1179	87		36	3088	260
9	278	53		23	1269	90		37	3388	300
10	333	55		24	1363	94		38	3728	340
11	390	57		25	1461	98		39	4148	420
12	449	59		26	1563	102		40	4568	420
13	510	61		27	1670	107		41	5108	540
14	573	63		28	1781	111		42	5648	540

Padding was added in symmetric fashion to the left and right of each section. The padding cells to the right have the following widths: 60, 60, 80, 200, 200, 200, 400, 400, 400, 800, 800, 800, 2 700, 8 100, 24 300 m.

A 1 000 ohm-m halfspace was used as a start model, and a reference resistivity of 10 000 ohm-m was used for depths beneath 4 568 m.

Noise and target fit

After testing a range of noise levels, the final noise level, specified for the inversion, was the maximum of 7% of the ZTEM response (relative noise level) and 0.7% (absolute noise level). The noise level for the high-frequency responses at 360 and 720Hz were set twice and five times those values, respectively. These noise estimates resulted in a stringent target data fit that was hardly ever met by the inversion, due to the actual noise level exceeding the noise estimates and the occasional inappropriateness of the 2D algorithm in a 3D conductivity scenario. As a result, the algorithm has occasionally over-fitted the data, i.e. fitted noise rather signal. However, using this approach, as much information as possible is extracted from the data.

Apparent Conductivity and phase

The derivation of apparent conductivity and phase from VLF data is discussed by Becken and Pedersen (2003). The method has been applied to the ZTEM data, making joint use of the Tzx and Tzy tipper data (loosely called the X and Y components).

Karous-Hjelt Filter

The application of the Karous-Hjelt filter to VLF data is described by Karous and Hjelt (1983). This filter facilitates data interpretation by turning cross-overs into peaks and troughs. Grids and pseudo-sections were derived from the Tzx inphase response.

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APPENDIX C: UBC MAGNETIC AND GRAVITY INVERSION SOFTWARE

Condor uses the UBC (University of British Columbia, Canada) magnetic and gravity inversion software, MAG3D and GRAV3D.

Summary

The earth is divided into cubes, or prisms starting at surface and extending to approximately 1 km in depth. These cubes are called VOXELS. The aim of the software is to determine a relatively smooth susceptibility or density distribution within the voxels which produces a response closest to the observed data. This process is called inversion and is an iterative (trial and error) approach where the susceptibility or density of each voxel is systematically varied, a new calculation of the response is performed and this model result is compared to the observed data. The susceptibility or density is then modified to produce a better match of model and observed data and the process is repeated until a good match is achieved. This iterative method is computer intensive and takes a considerable amount of time, minutes to hours for small data sets and days for larger data sets. The susceptibility or density distribution across the voxels may then be displayed either as a 3D voxel model, or in vertical or horizontal slices through this model.

Smooth Model Inversion

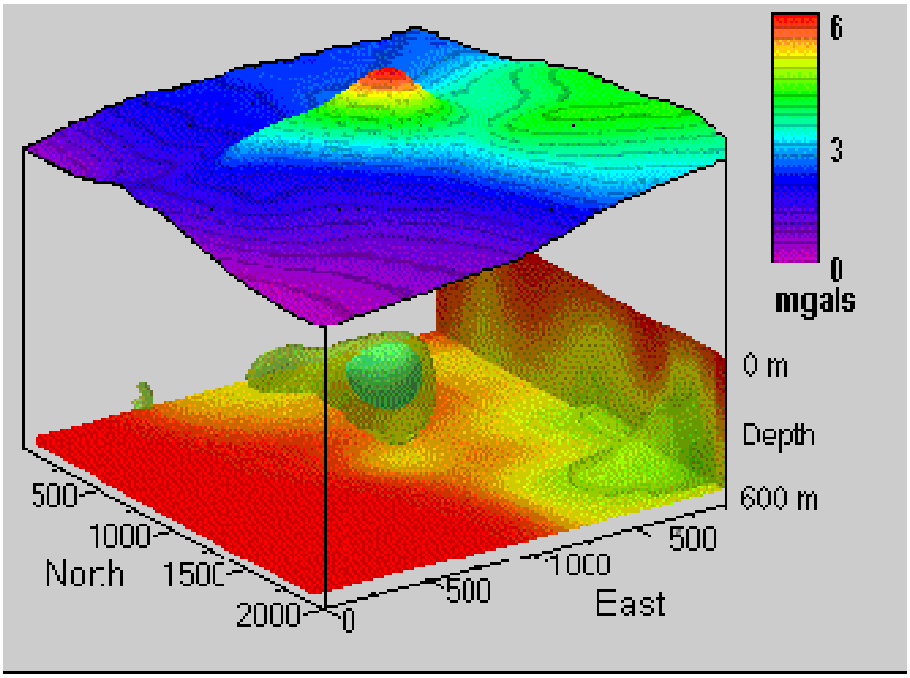
The UBC 3D magnetic inversion is a smooth model inversion, producing fuzzy objects in the resulting block model. This can be mitigated to some extent by sharpening techniques and by constraints. However, the model will still contain a large spatial uncertainty, which manifests as indistinct boundaries. Therefore, the magnetic susceptibility or density values in this model in general underestimate the actual susceptibility/density of the magnetic objects being imaged, since the susceptibility/density is smeared over a greater volume than the actual object.

Depth Weighting

It is a well known fact that magnetic and gravity data have no inherent depth resolution. A numerical consequence of this is that when an inversion is performed the constructed susceptibility/density is concentrated close to the observation locations. In order to overcome this, the inversion introduces a depth weighting to counteract this natural decay. The weighting approximately cancels the sensitivity decay and gives cells at different locations equal probability to enter into the solution with a non-zero susceptibility/density. This weighting is approximately the depth of the finite element cell to the 3rd power, to counter a sensitivity drop of that is approximately $1/z^3$.

Example

An example of a UBC GRAV3D inversion of gravity data over the Voisey Bay Ni deposit is shown below. The measured gravity data in color is displayed draped onto the topographic surface at the top (red=high, blue=low values). The density distribution generated by the inversion is shown below, with the green and yellow "blob" corresponding to the Ovoid Ni zone.



3D inversion of gravity: Voisey's Bay Ovoid Ore Body

- Observed gravity data on top of recovered density contrast.
- Isosurfaces at 0.8 g/cc (inside) and 0.4 g/cc.

APPENDIX D: UBC DCIP2D SOFTWARE

IP/resistivity data are usually initially presented as pseudo-sections. The pseudo-section is the traditional method of plotting the IP and resistivity data, but it is not a true geological cross-section. The vertical axis is based upon electrode separation rather than depth.

A formal 2D or 3D inversion is increasingly being used to quantify IP/resistivity data, because it generates a cross-section which is close to a “true” geological section. However, the non-uniqueness of applying an inversion to geophysical data must be appreciated; i.e. a single data asset may yield multiple interpretations. Only by applying some independent constraints derived from other surveys, or from geological insights, can the inherent non-uniqueness problem be mitigated.

The IP/resistivity inversions performed by Condor utilized the DCIP2D software developed by the University of British Columbia (UBC) Geophysical Inversion Facility (Oldenburg and Li, 1994). The earth is divided into rectangular prisms and the resistivity and chargeability are assumed to be constant in each cell. DCIP2D is an example of a geophysical inverse modeling program that estimates the distribution of resistivity and/or chargeability in the subsurface based on a numerical solution to an over-parameterized, constrained optimization problem. Such problems are intrinsically non-linear and require iterative solutions, as well as some form of regularization to stabilize the solution and yield models that are realistic in a geological sense. The DCIP2D modeling code uses finite difference approximations to the relevant differential equations. The 2D limitation means that the physical property distributions and topography are assumed to not vary in the direction that is perpendicular to the survey profile.

APPENDIX E: COMPARISON OF VTEM AND ZTEM – CENTRAL BLOCK

The layered earth inversion (LEI) of the 2007-2008 VTEM data used a 28-layer earth model, increasing in thickness from the surface to depth in an approximately logarithmic fashion. The first layer was 5 m thick while the deepest was 232 m thick. To show an overall conductor distribution, the conductance (conductivity x thickness) has been calculated for two depth ranges, (a) 25-143 m and (b) 25-431 m (Figure E1). The former shows shallower features and the latter shows the conductance down to close to the depth of investigation of the VTEM survey. The conductances of the layers down to 25 m have not been included because these sometimes contains “glitches” in the inversions. The major conductivity boundaries on the 25-431 m image are highlighted with black lines, which are replicated on the upper image.

The two images are quite similar indicating that most of the conductivity is near-surface. The Tiger-El mineralization is enclosed in a relatively resistive unit approximately 5 km wide. Northeast and south of this unit relatively high conductivities are seen. The Tiger-El mineralized trend itself produces a relatively narrow (approximately 500 m wide) zone of moderate conductivity, which is intermittent along strike.

Figure E2 compares the VTEM conductance from 25-431 m with the ZTEM conductance from 24-449 m. The major conductivity boundaries from the VTEM are replicated on the ZTEM image for reference. The principal features of the ZTEM conductance correlate closely with the VTEM, but significant differences can be seen. For wide conductors, the ZTEM conductance tends to be concentrated at the edges of the conductor, while the VTEM conductance is more uniform. For narrower conductors, the ZTEM response is more similar to the VTEM. The conductive trend correlating with the Tiger to El mineralized trend is better resolved on the ZTEM conductance image.

Figure E3 compares the VTEM conductance with the ZTEM IP 30Hz TPR image. The major conductivity boundaries are very similar to those on the VTEM. On the latter, the conductivity highs (hot colors) are more evenly distributed across wide conductors compared to the ZTEM conductance image in Figure E2.

Figure E4 compares the VTEM conductance with the ZTEM 30 Hz DT image. As the latter is similar to a gradient filter, conductor edges are highlighted and the conductivity is generally not extended across wide conductors. However, narrow conductors are well defined, including the Tiger to El mineralized trend.

Figure E5 compares the VTEM conductance with the ZTEM 30 Hz Apparent Conductivity image. The latter exhibits the closest correlation with the VTEM conductance of all of the ZTEM image products. Both the wide conductors and narrow conductors are well defined, including the Tiger to El mineralized trend.

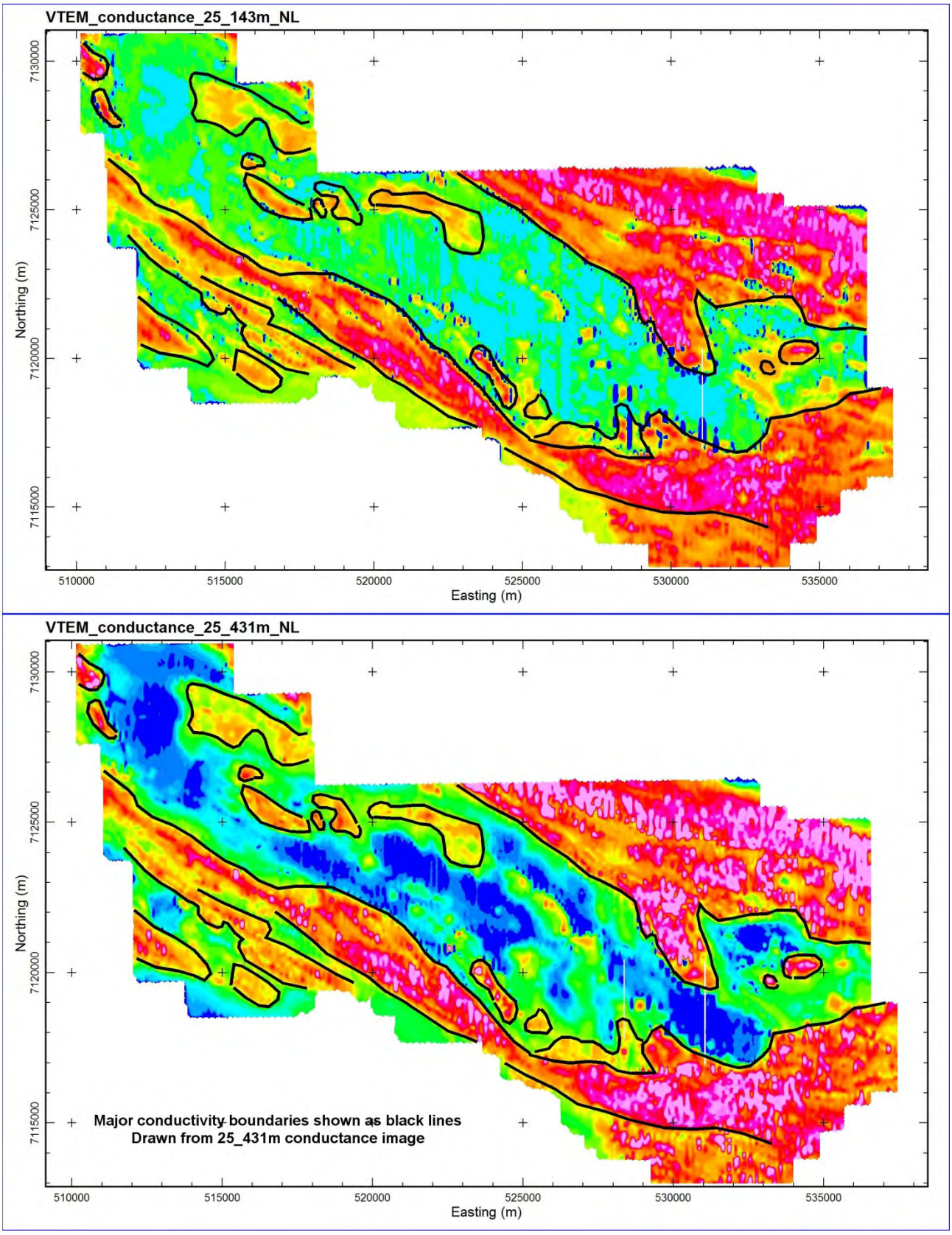


Figure E1: VTEM conductance 25-143m (top) and 25-431m (bottom).

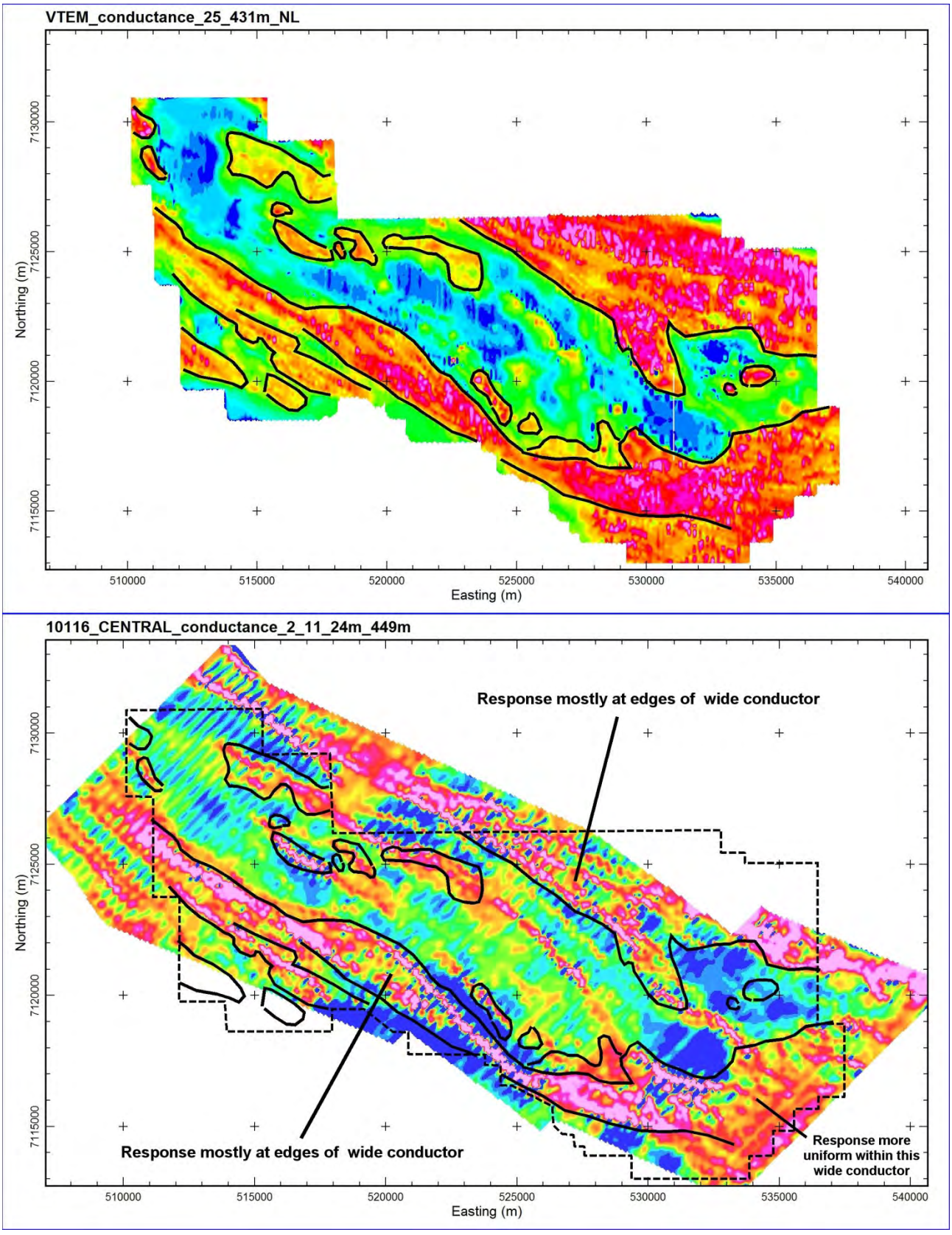


Figure E2: VTEM conductance 25-143m (top) and ZTEM conductance 24-449m (bottom).

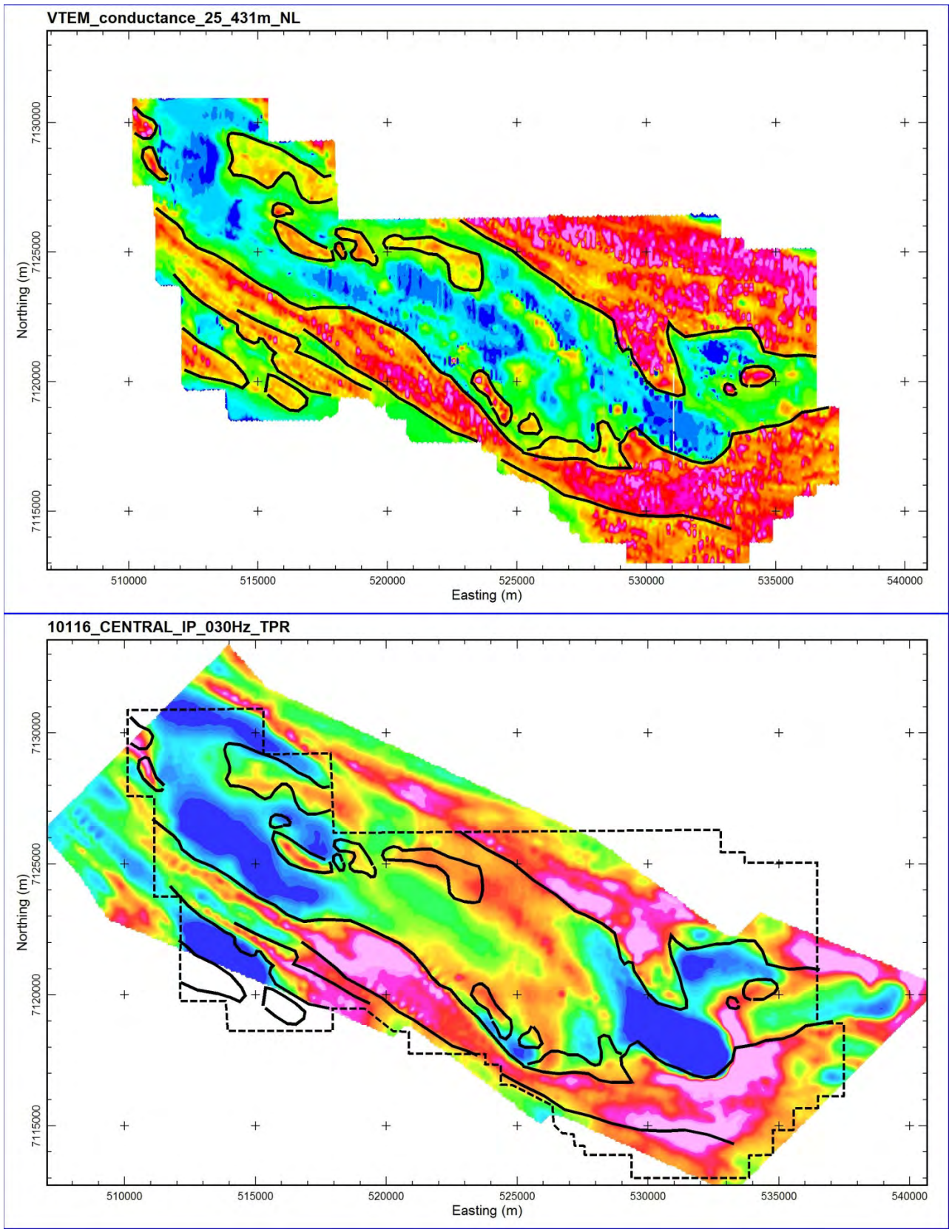


Figure E3: VTEM conductance 25-143m (top) and ZTEM IP 30Hz TPR (bottom).

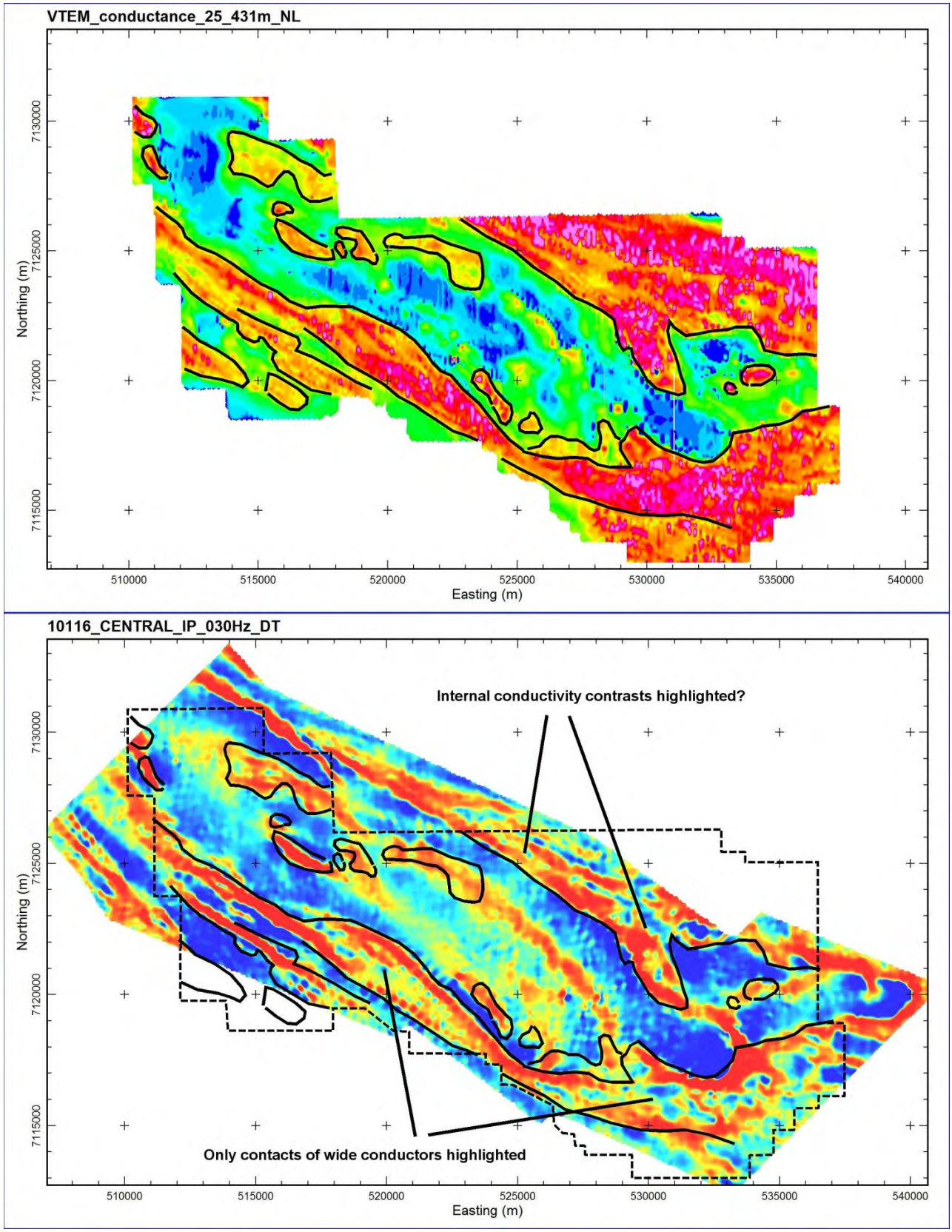


Figure E4: VTEM conductance 25-143m (top) and ZTEM 30Hz DT (bottom).

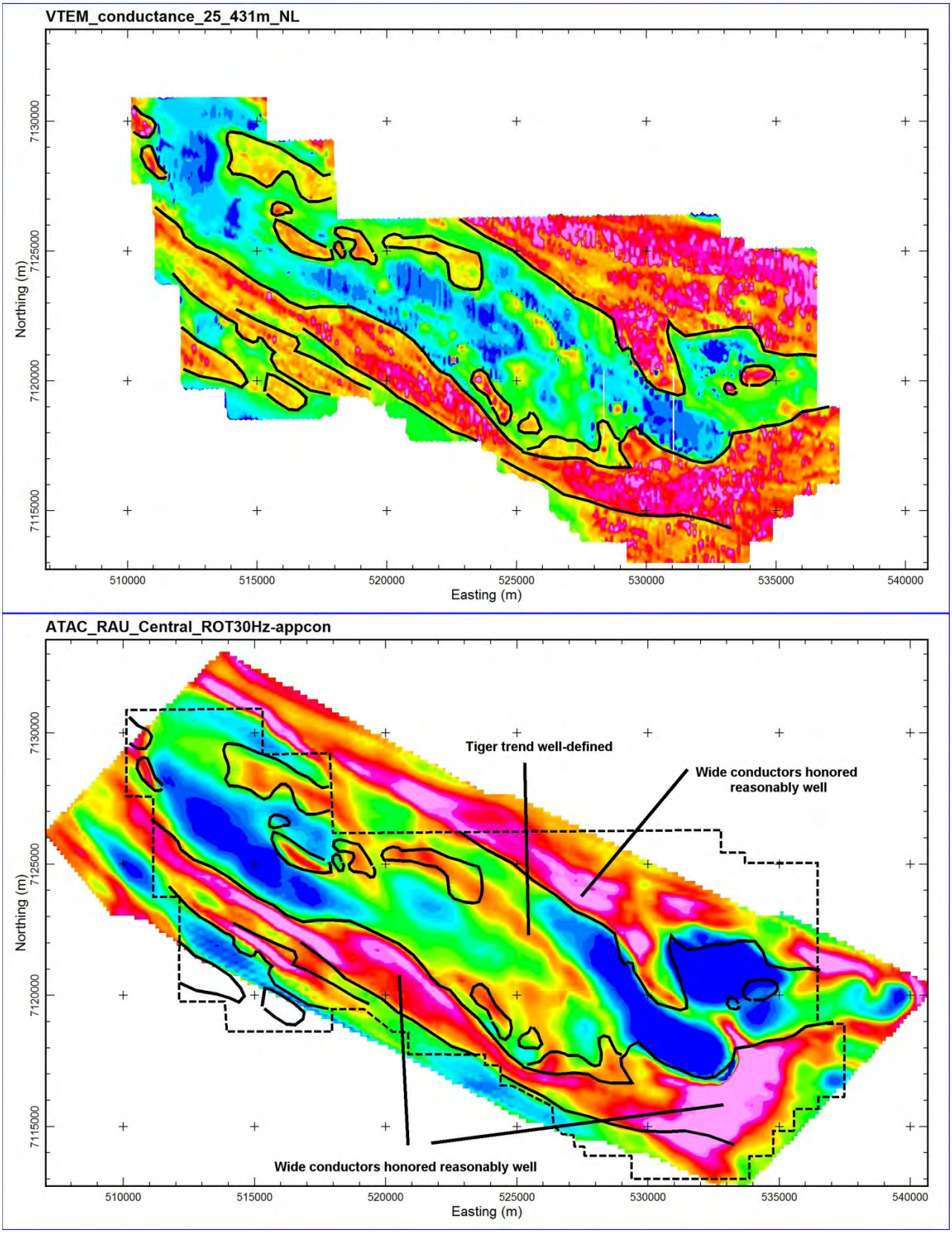


Figure E5: VTEM conductance 25-143m (top) and 30Hz Apparent Conductivity (bottom).

APPENDIX F: COMPARISON OF GROUND AND AIRBORNE GEOPHYSICS

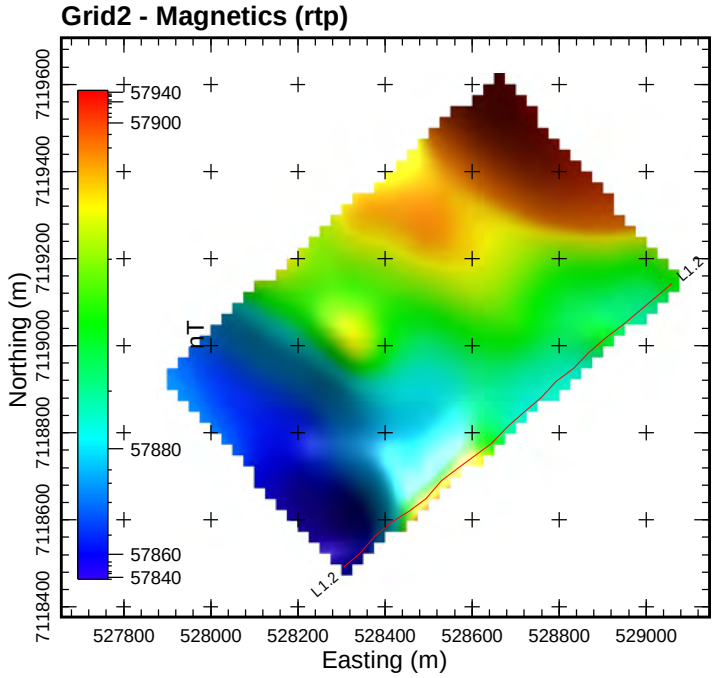
F1: GRID 2 (TIGER) MULTIPLOTS

Lines 1.2, 2.2, 3.2, 4.2, 5.2, 6.2 and 7.2

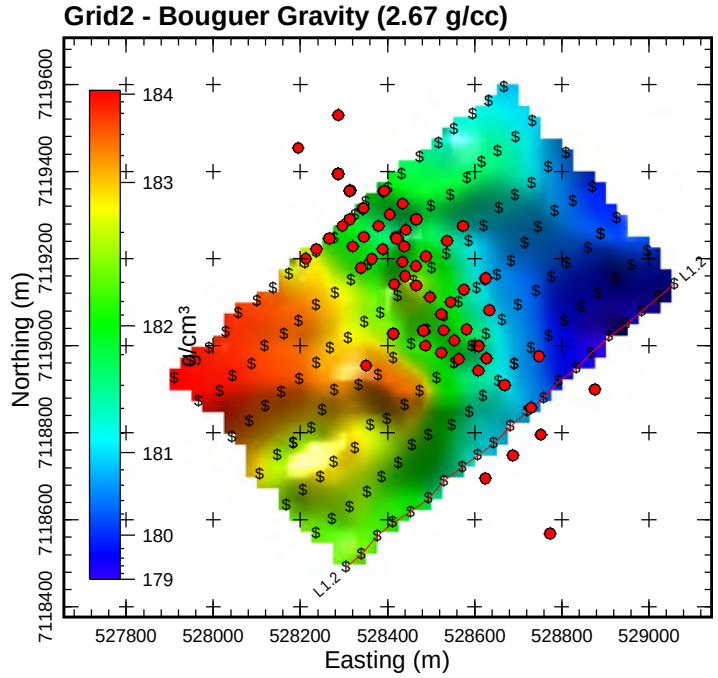
SECTIONS:

- Gravity from voxel model
- Magnetic susceptibility from voxel model of VTEM magnetics
- ZTEM conductivity from voxel model
- VTEM conductivity from voxel model

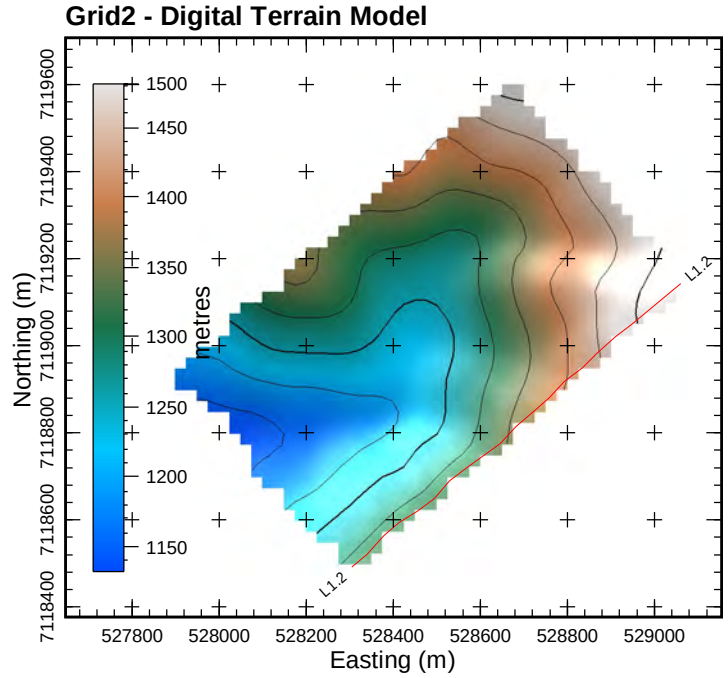
Grid2 - Magnetics (rtp)



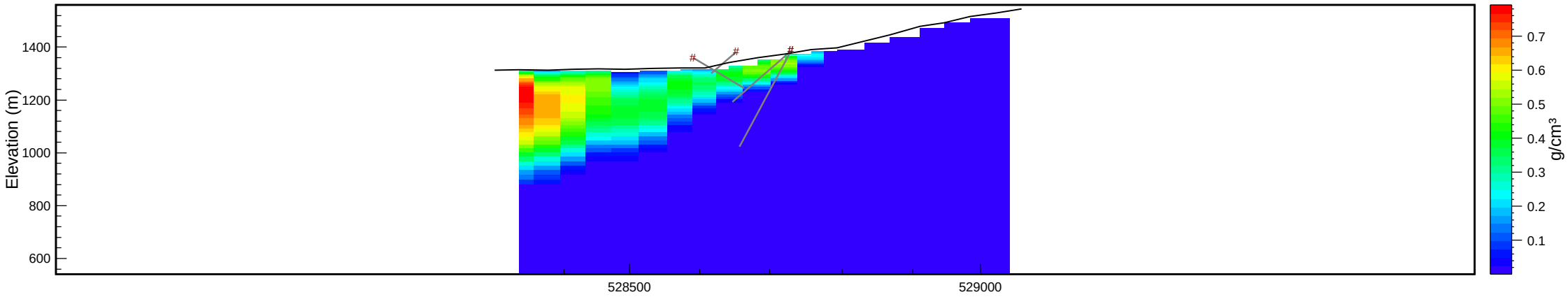
Grid2 - Bouguer Gravity (2.67 g/cc)



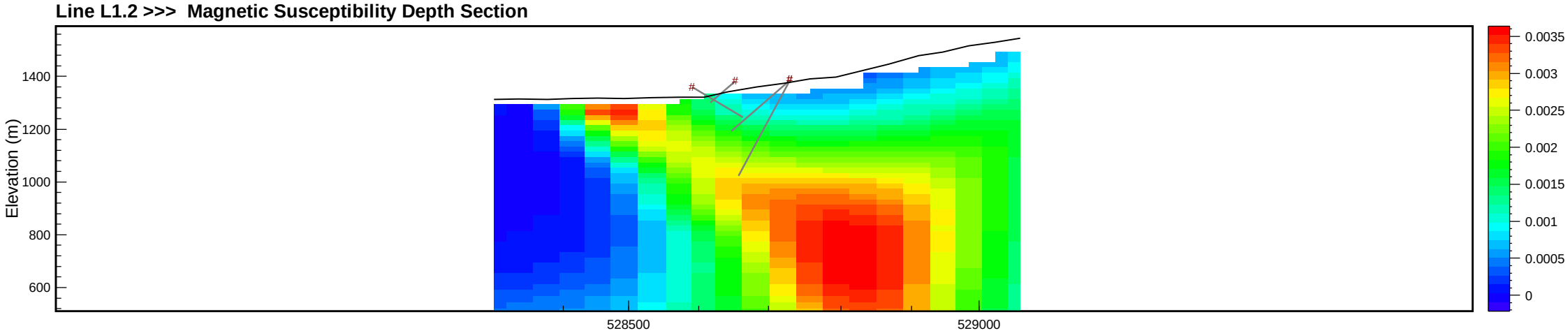
Grid2 - Digital Terrain Model



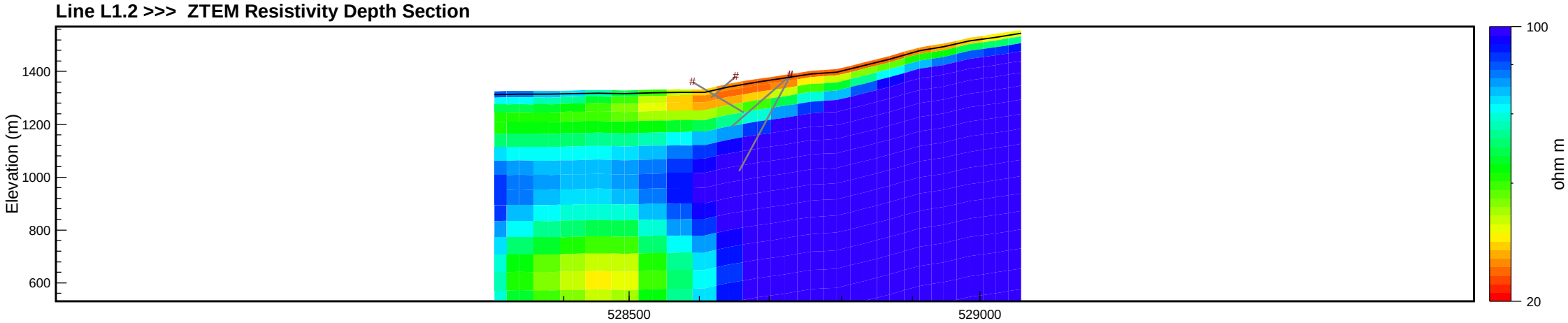
Line L1.2 >>> Bouguer Gravity Depth Section



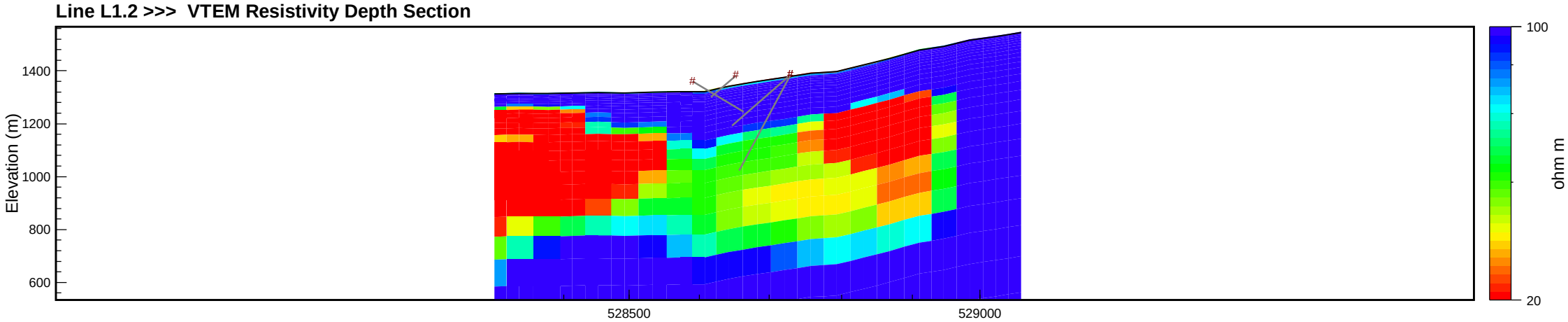
Line L1.2 >>> Magnetic Susceptibility Depth Section



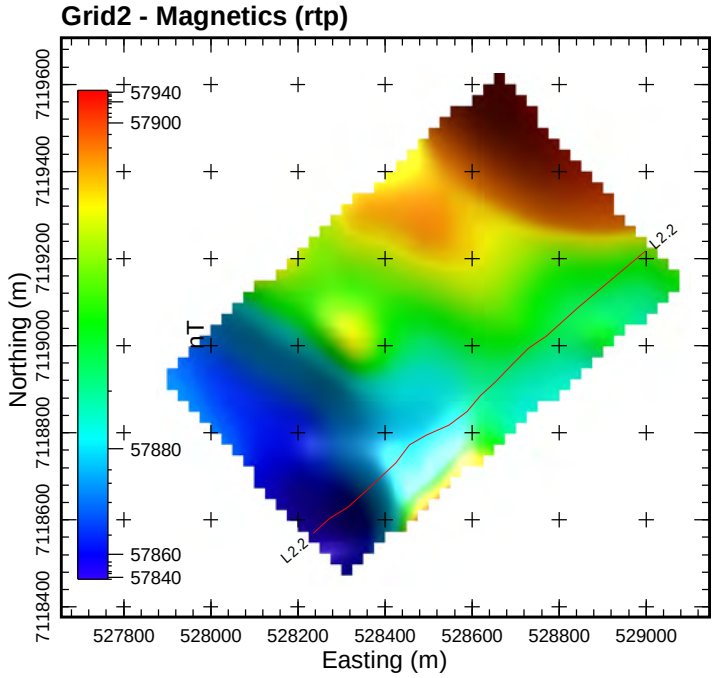
Line L1.2 >>> ZTEM Resistivity Depth Section



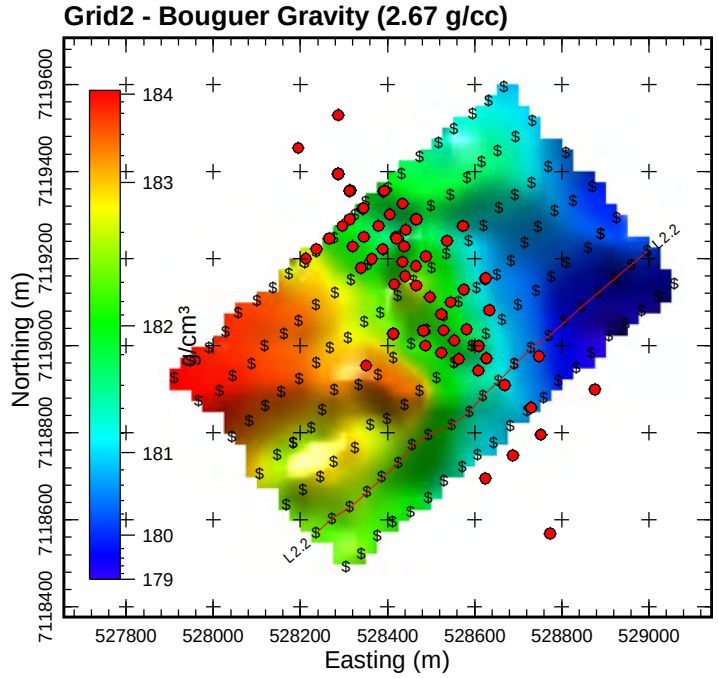
Line L1.2 >>> VTEM Resistivity Depth Section



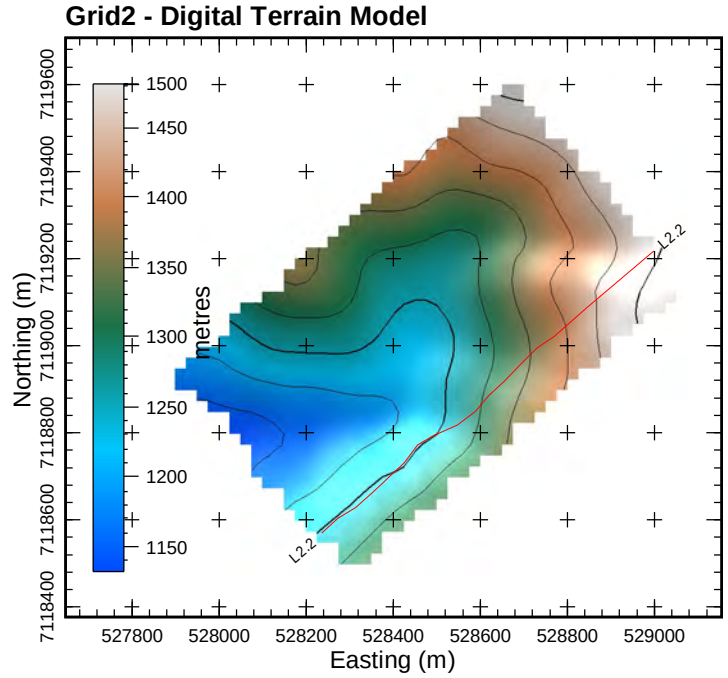
Grid2 - Magnetics (rtp)



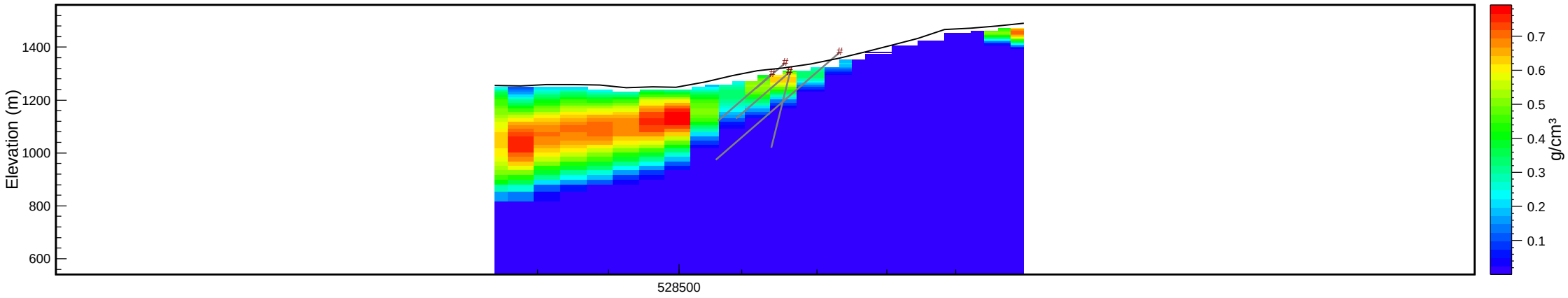
Grid2 - Bouguer Gravity (2.67 g/cc)



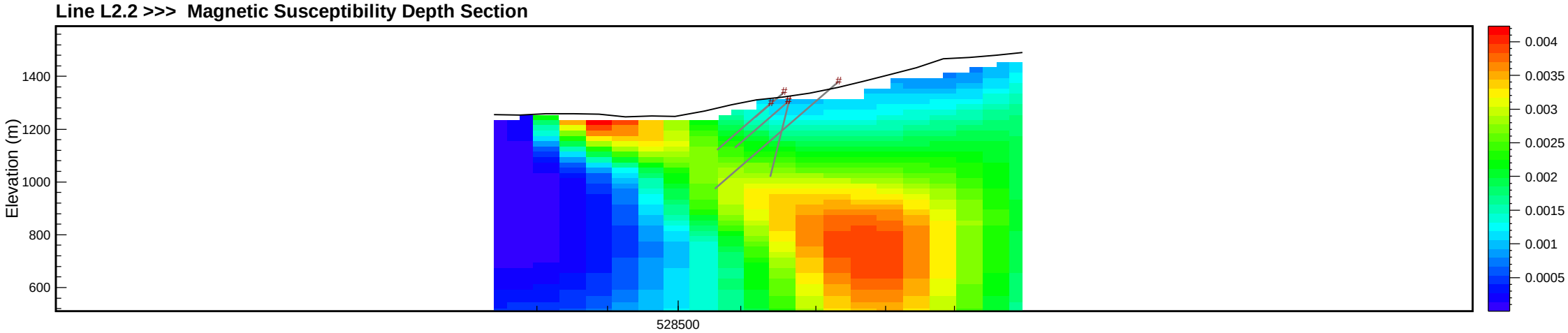
Grid2 - Digital Terrain Model



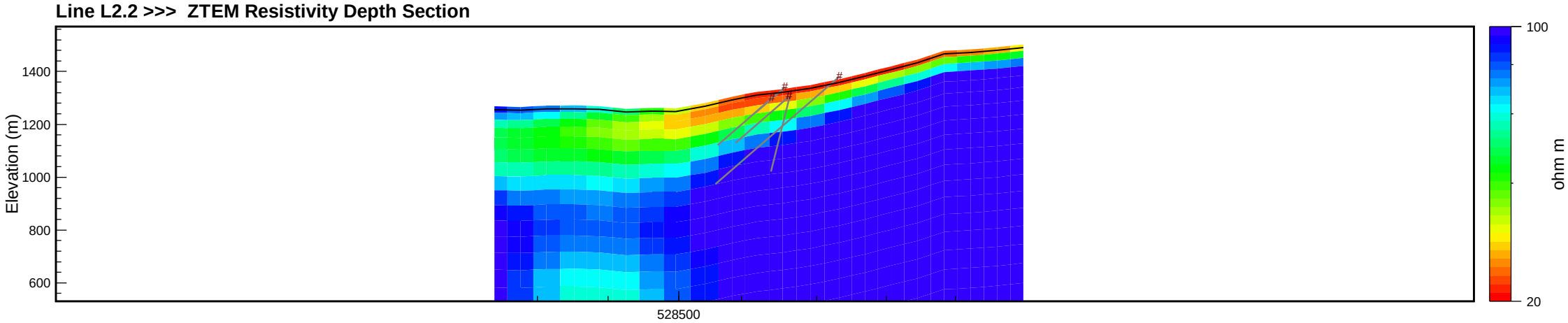
Line L2.2 >>> Bouguer Gravity Depth Section



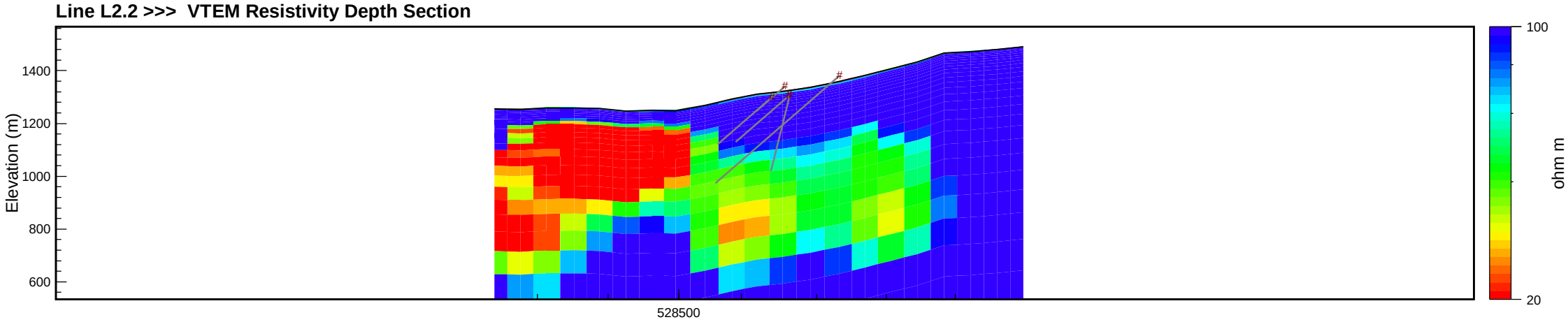
Line L2.2 >>> Magnetic Susceptibility Depth Section



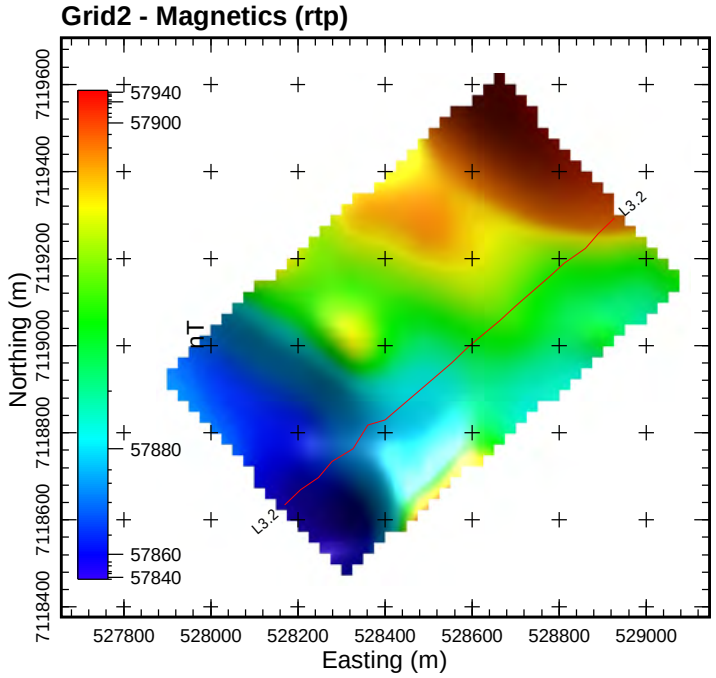
Line L2.2 >>> ZTEM Resistivity Depth Section



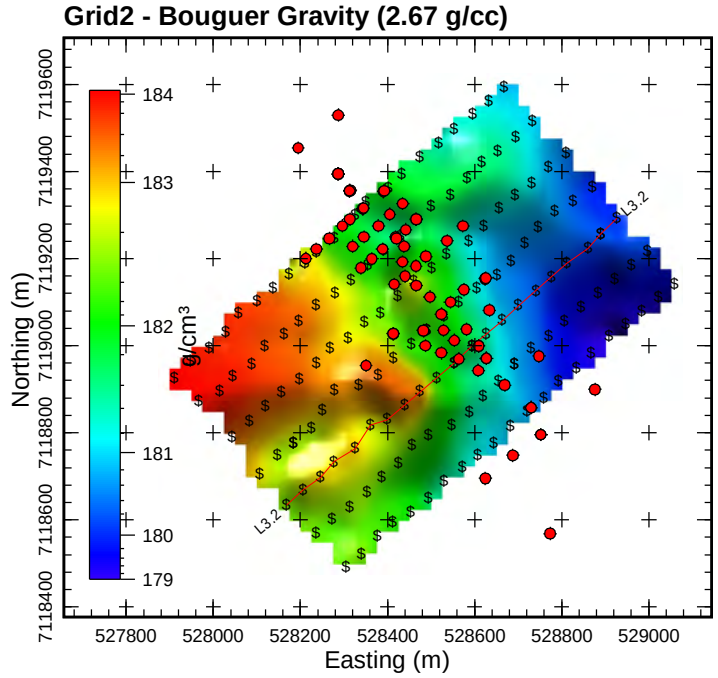
Line L2.2 >>> VTEM Resistivity Depth Section



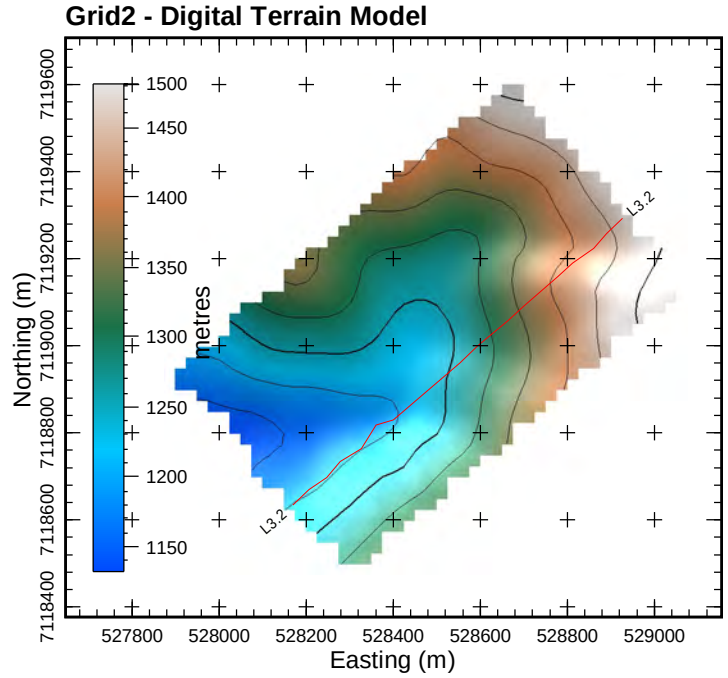
Grid2 - Magnetics (rtp)



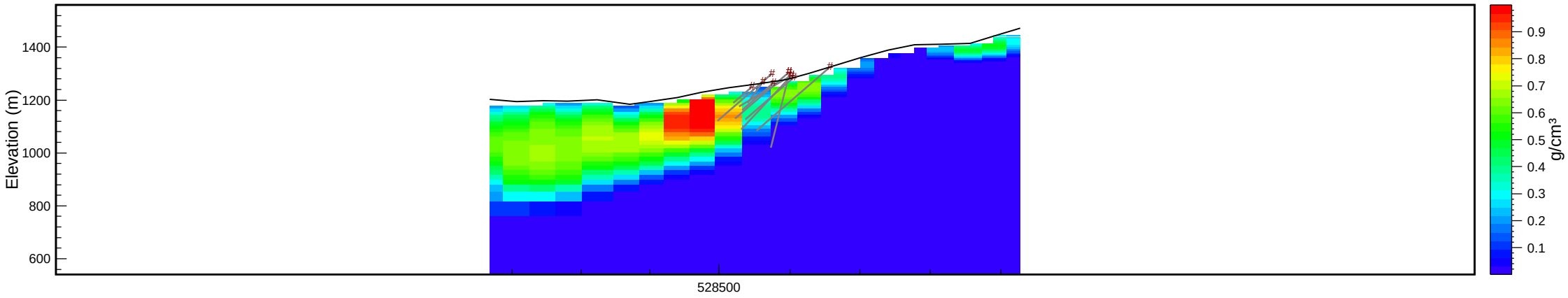
Grid2 - Bouguer Gravity (2.67 g/cc)



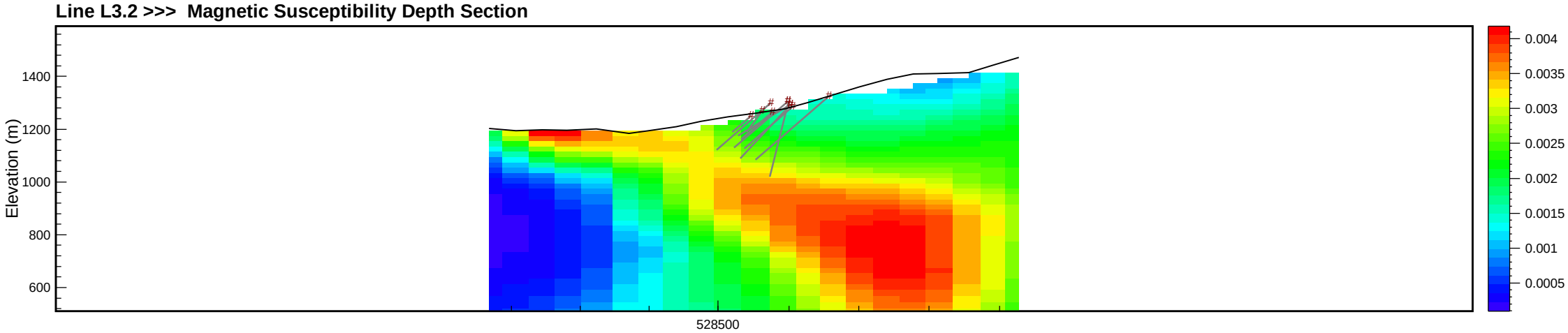
Grid2 - Digital Terrain Model



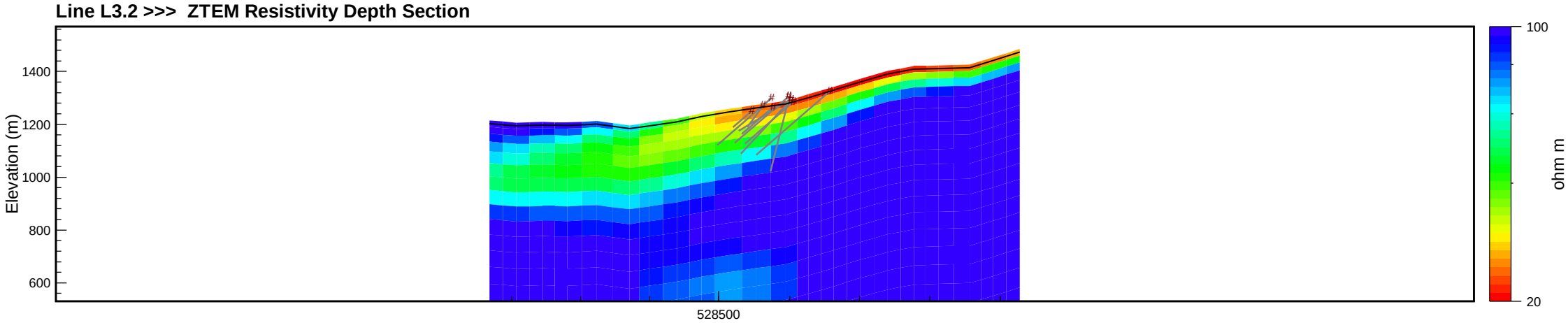
Line L3.2 >>> Bouguer Gravity Depth Section



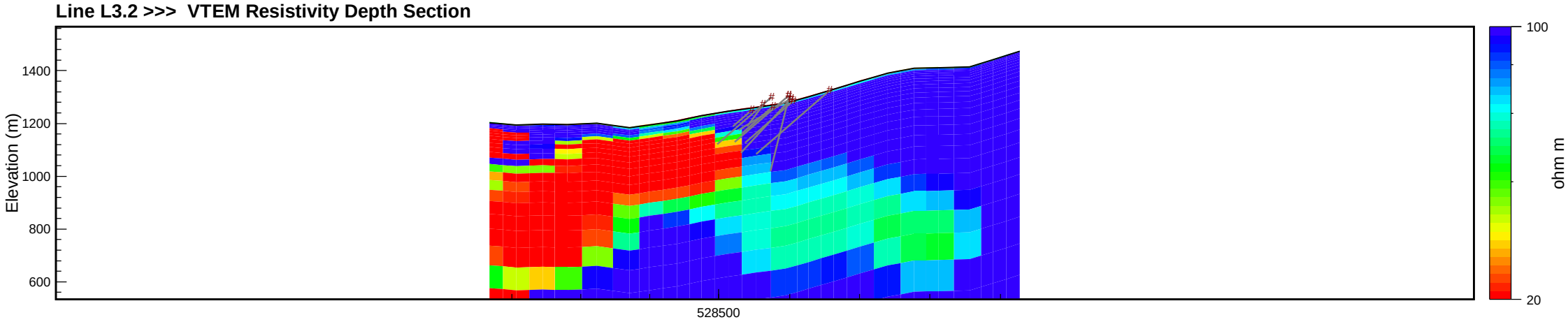
Line L3.2 >>> Magnetic Susceptibility Depth Section



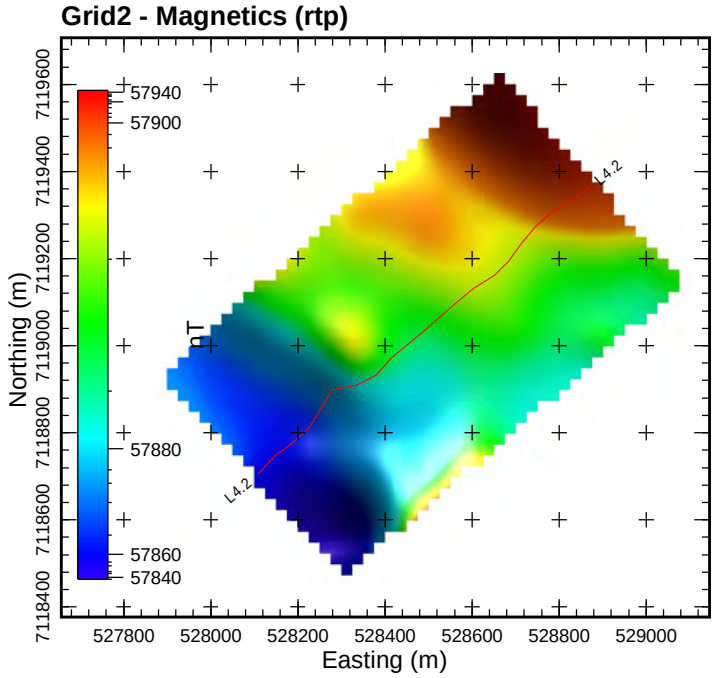
Line L3.2 >>> ZTEM Resistivity Depth Section



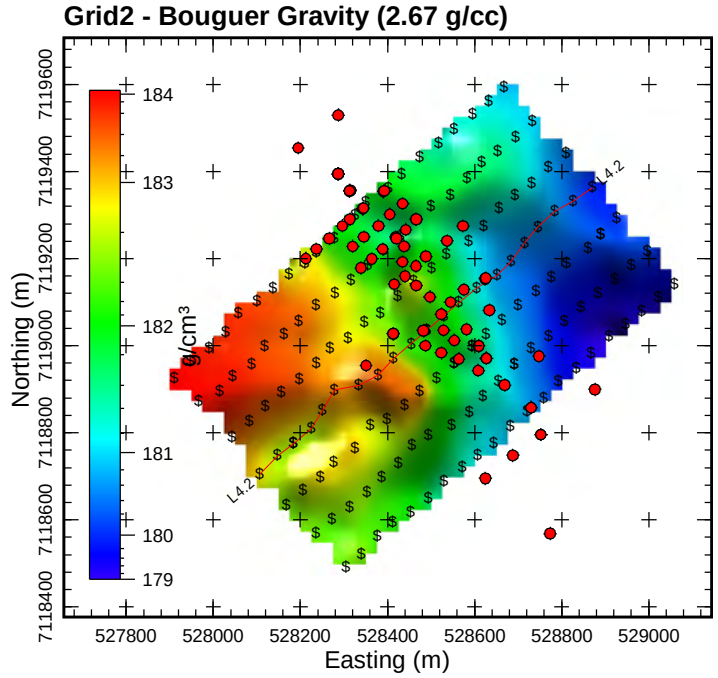
Line L3.2 >>> VTEM Resistivity Depth Section



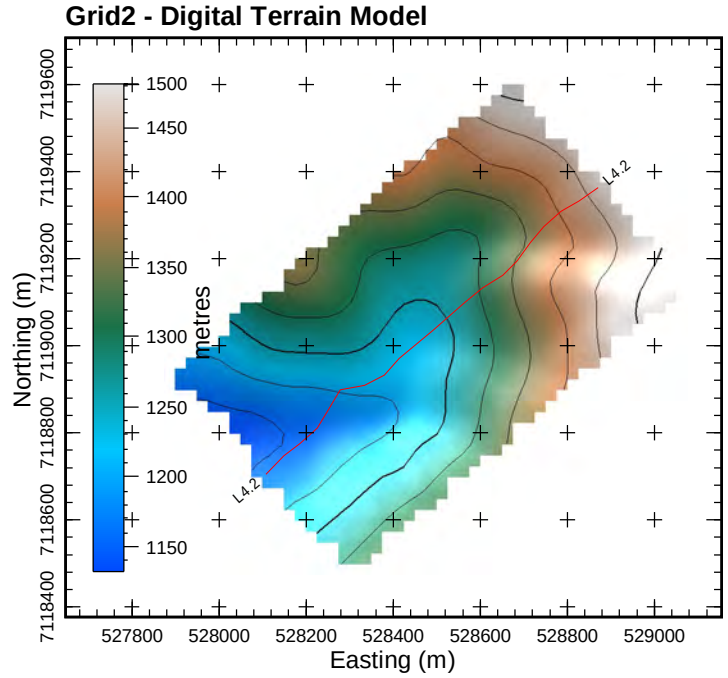
Grid2 - Magnetics (rtp)



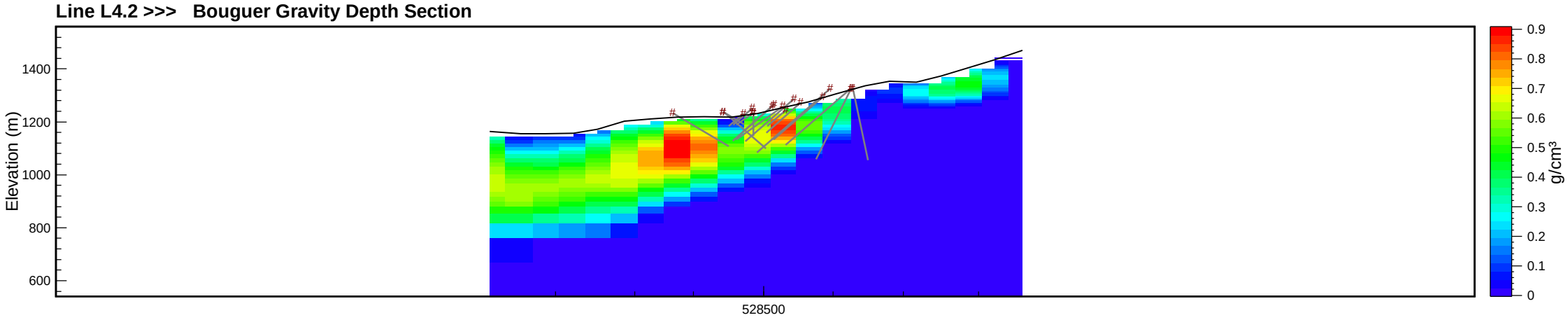
Grid2 - Bouguer Gravity (2.67 g/cc)



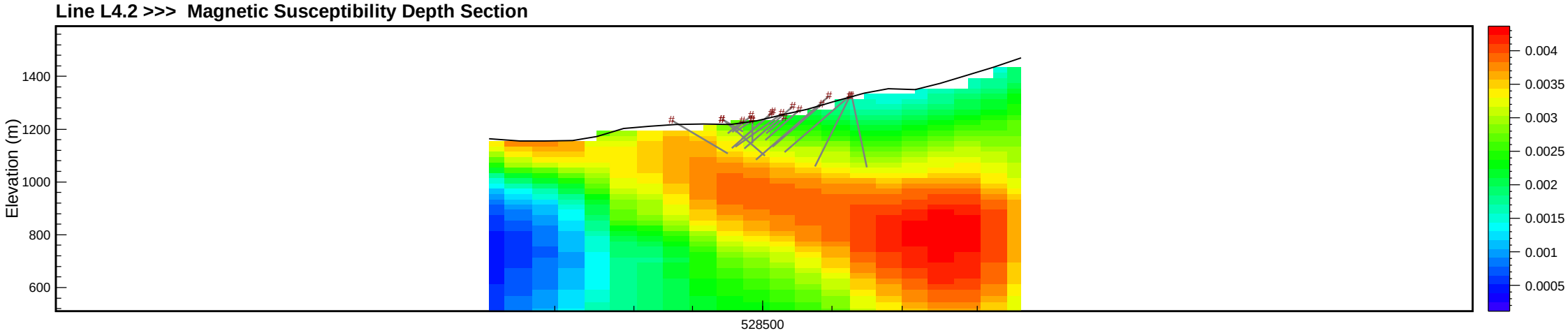
Grid2 - Digital Terrain Model



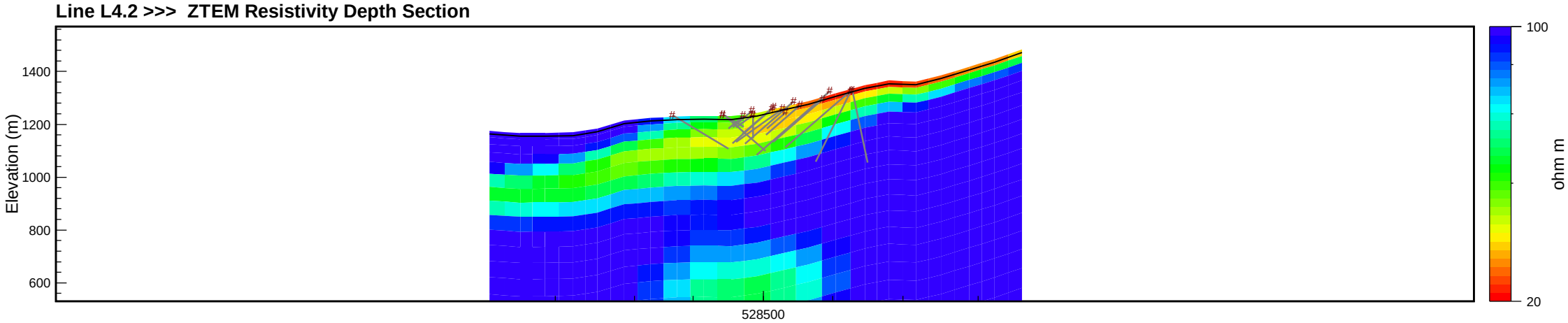
Line L4.2 >>> Bouguer Gravity Depth Section



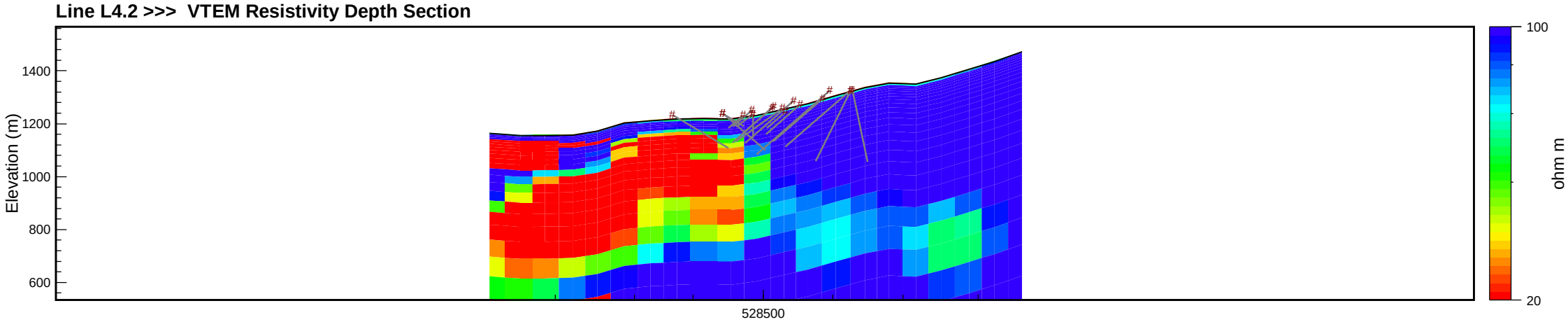
Line L4.2 >>> Magnetic Susceptibility Depth Section



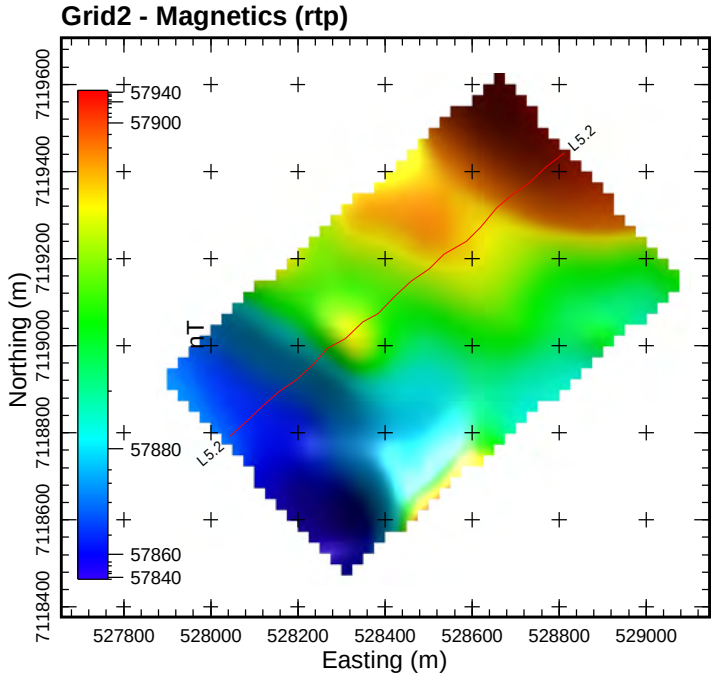
Line L4.2 >>> ZTEM Resistivity Depth Section



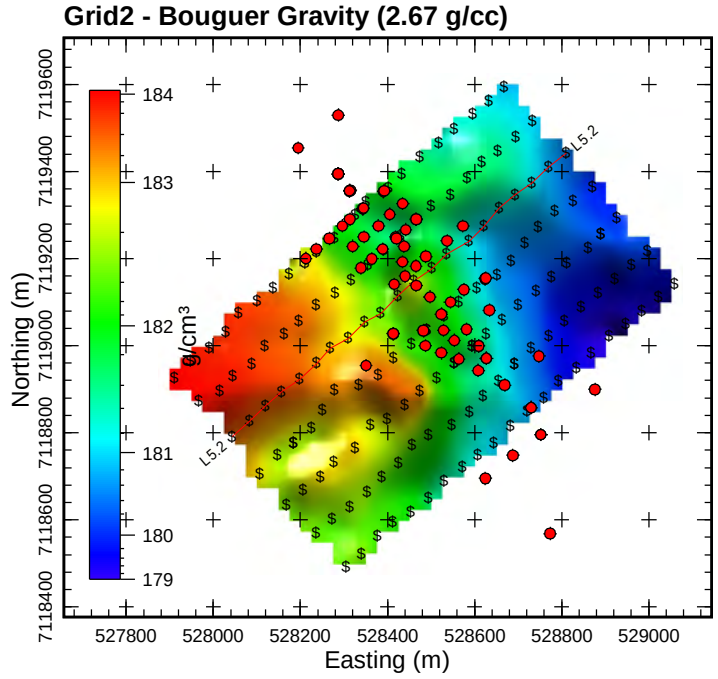
Line L4.2 >>> VTEM Resistivity Depth Section



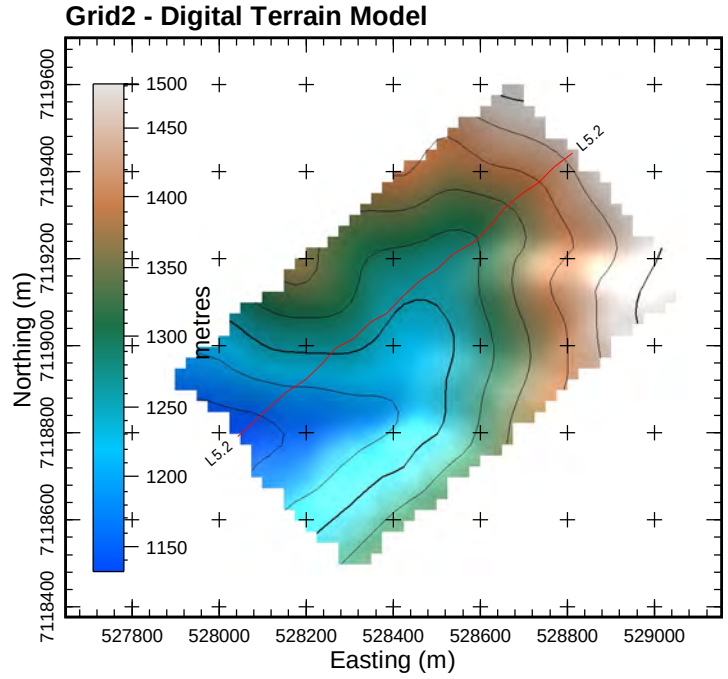
Grid2 - Magnetics (rtp)



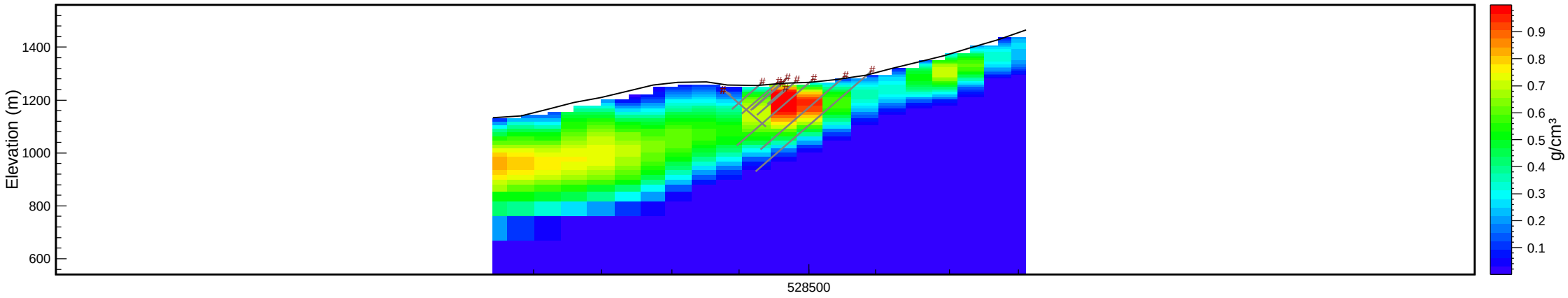
Grid2 - Bouguer Gravity (2.67 g/cc)



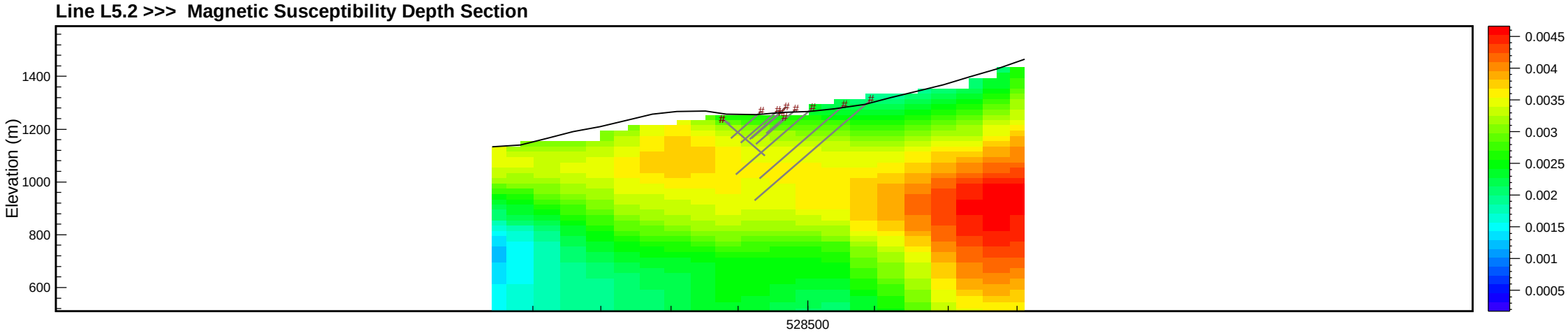
Grid2 - Digital Terrain Model



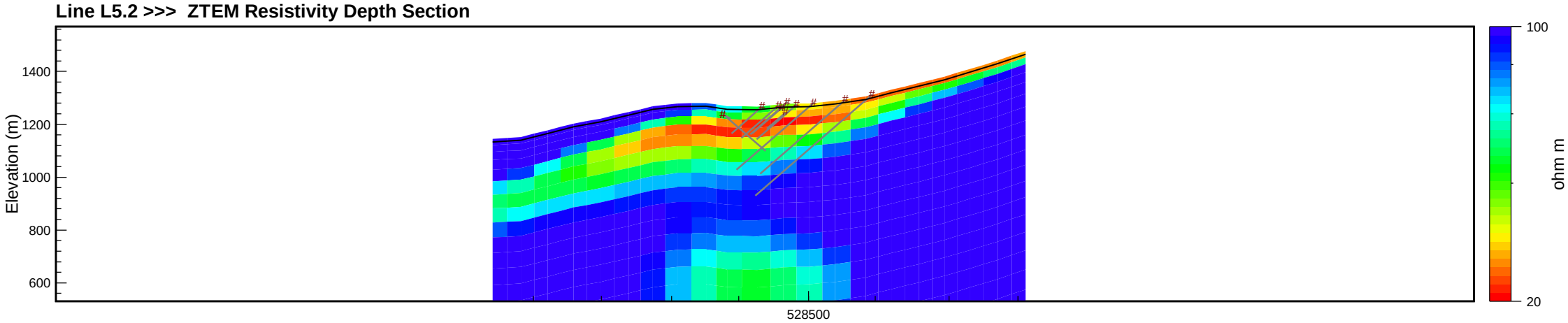
Line L5.2 >>> Bouguer Gravity Depth Section



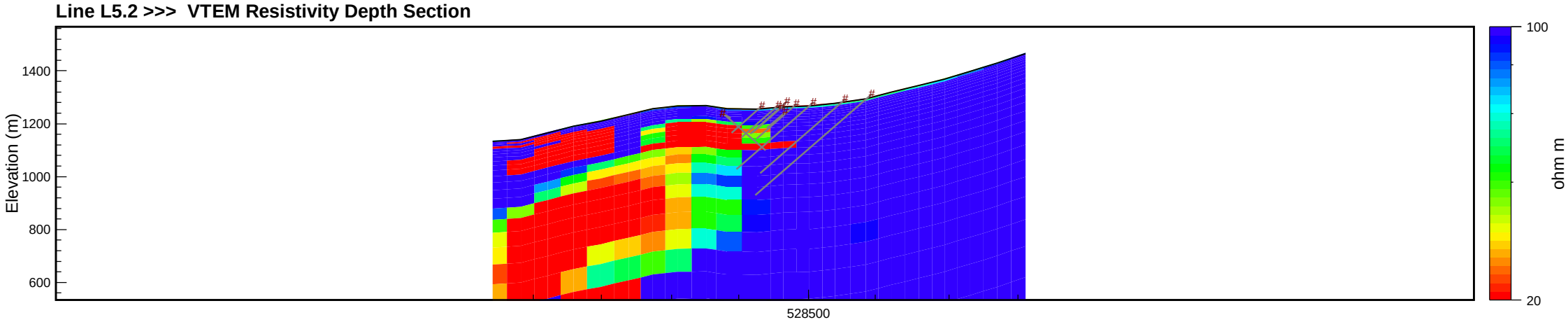
Line L5.2 >>> Magnetic Susceptibility Depth Section



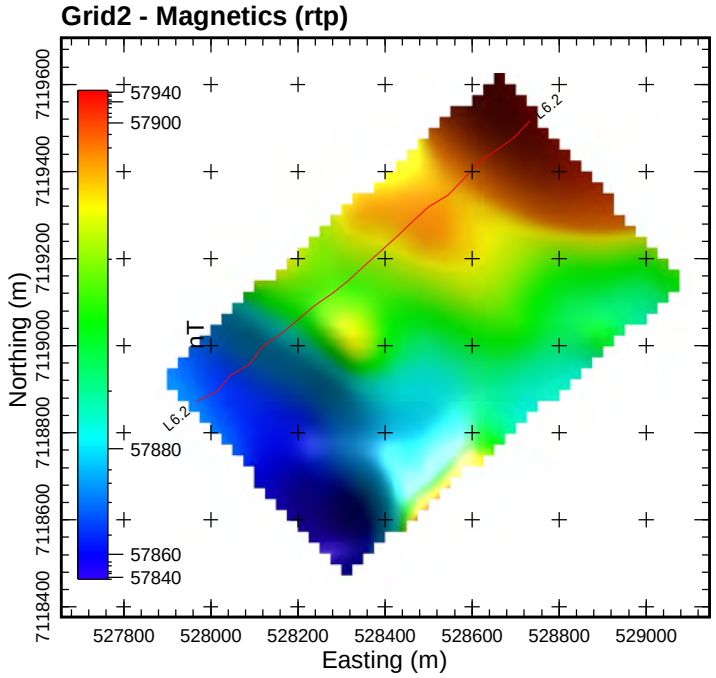
Line L5.2 >>> ZTEM Resistivity Depth Section



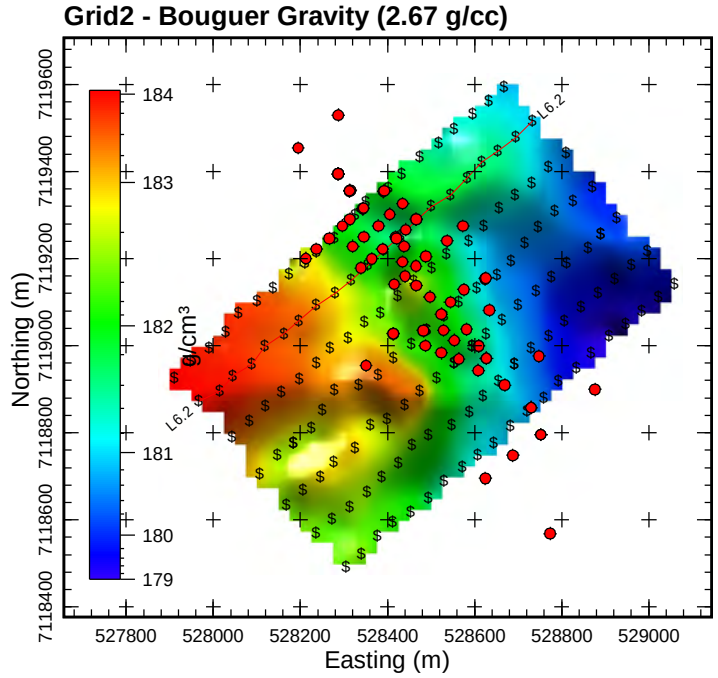
Line L5.2 >>> VTEM Resistivity Depth Section



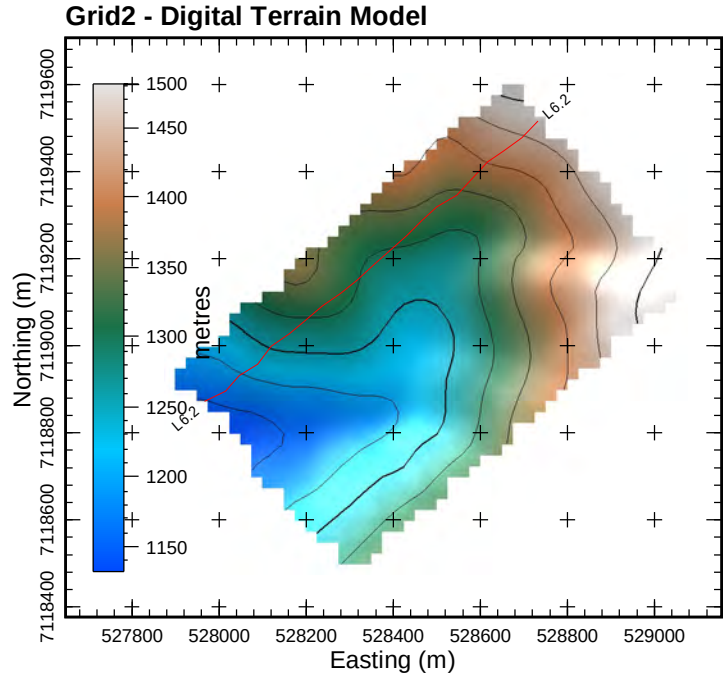
Grid2 - Magnetics (rtp)



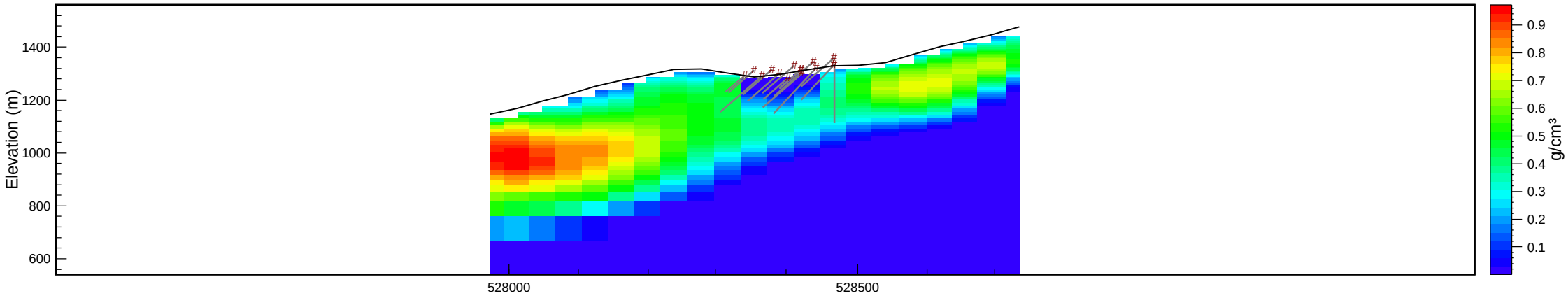
Grid2 - Bouguer Gravity (2.67 g/cc)



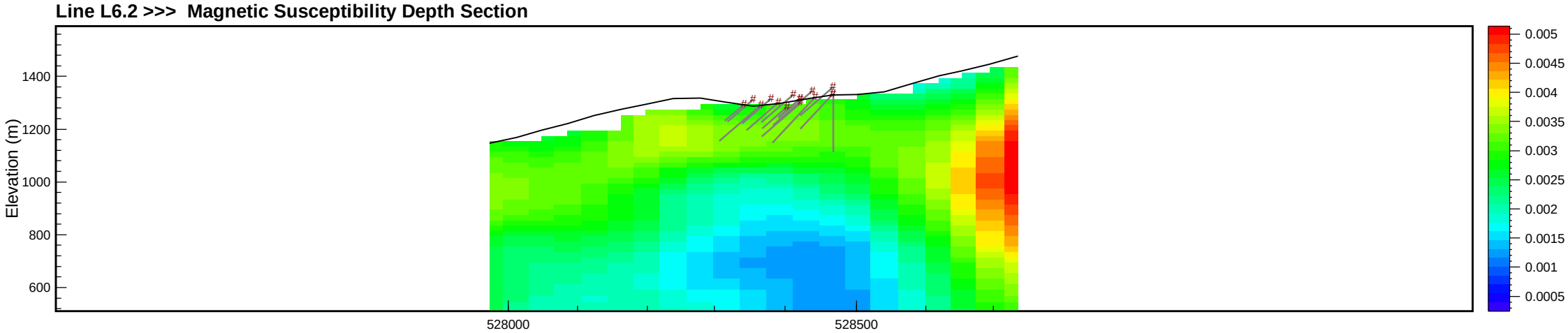
Grid2 - Digital Terrain Model



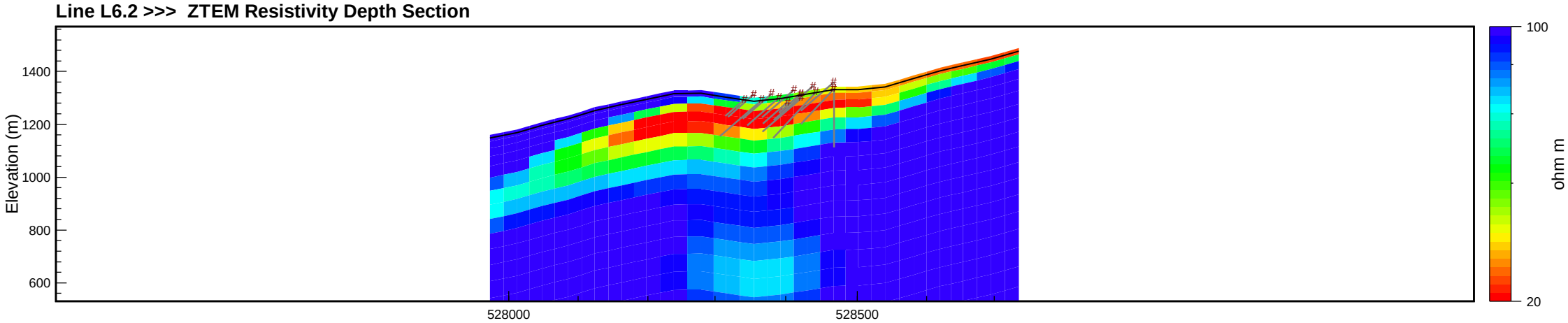
Line L6.2 >>> Bouguer Gravity Depth Section



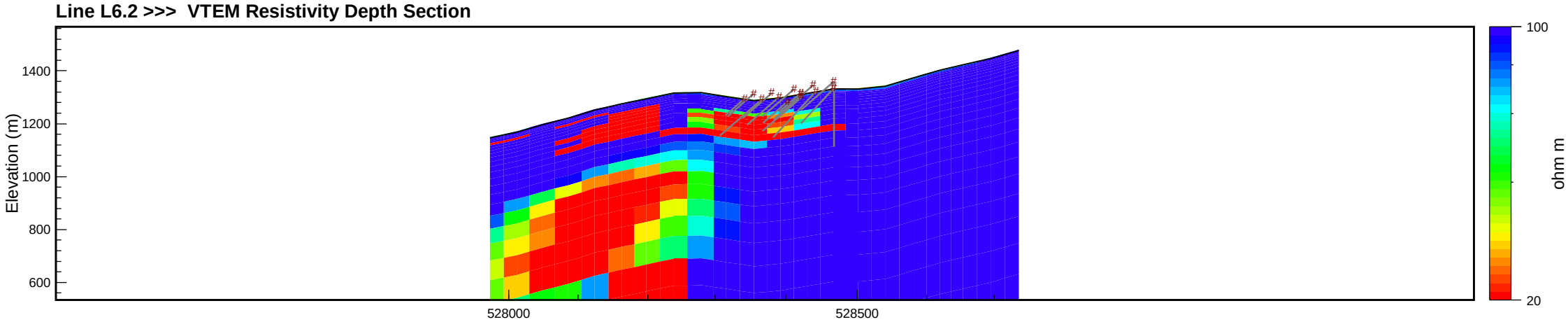
Line L6.2 >>> Magnetic Susceptibility Depth Section



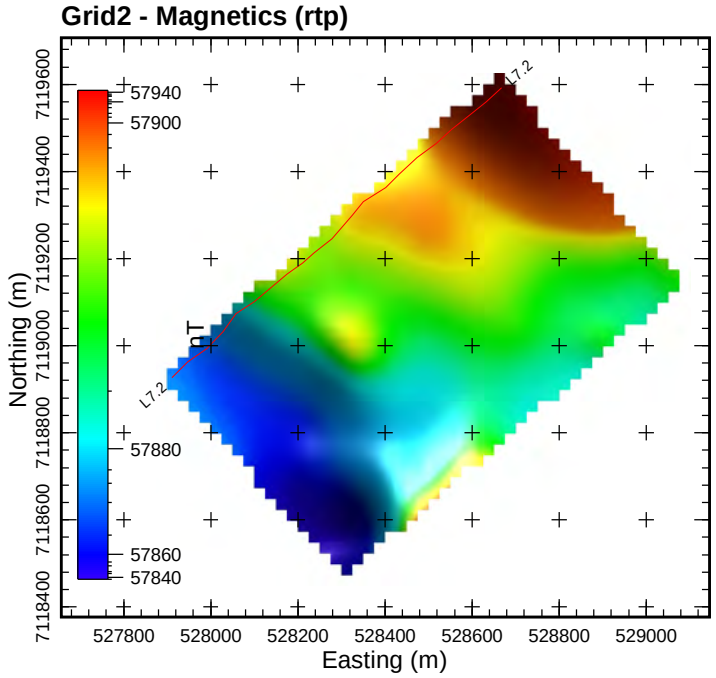
Line L6.2 >>> ZTEM Resistivity Depth Section



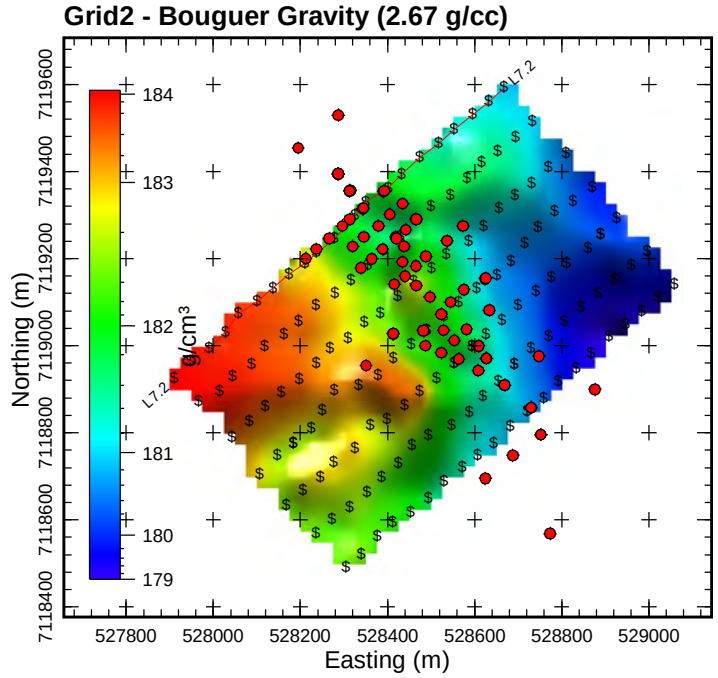
Line L6.2 >>> VTEM Resistivity Depth Section



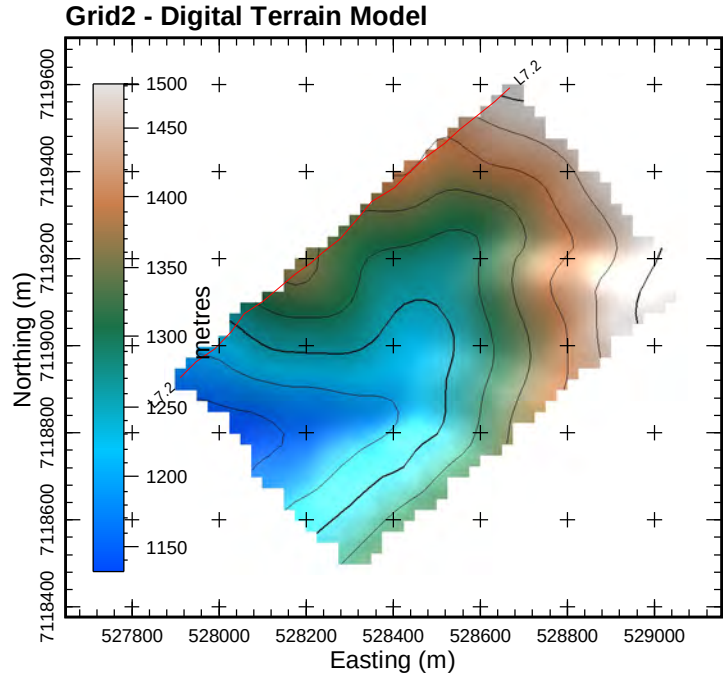
Grid2 - Magnetics (rtp)



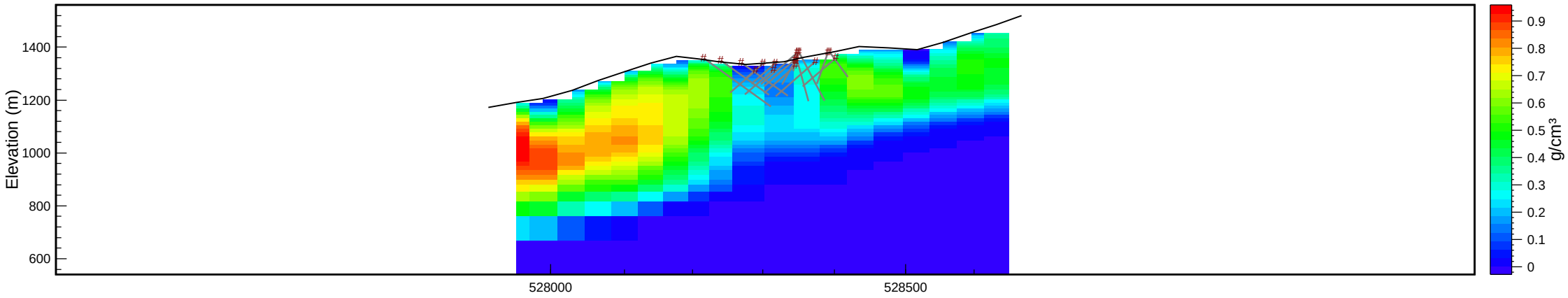
Grid2 - Bouguer Gravity (2.67 g/cc)



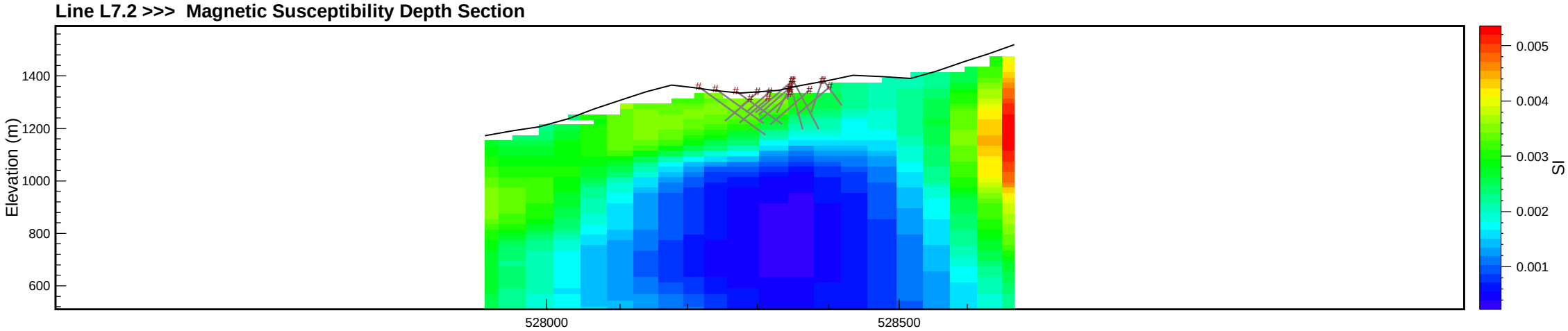
Grid2 - Digital Terrain Model



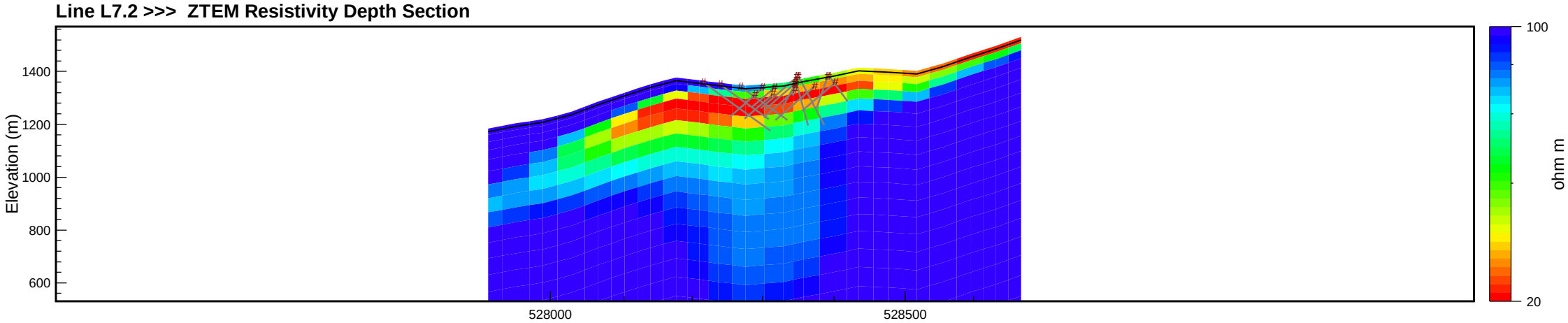
Line L7.2 >>> Bouguer Gravity Depth Section



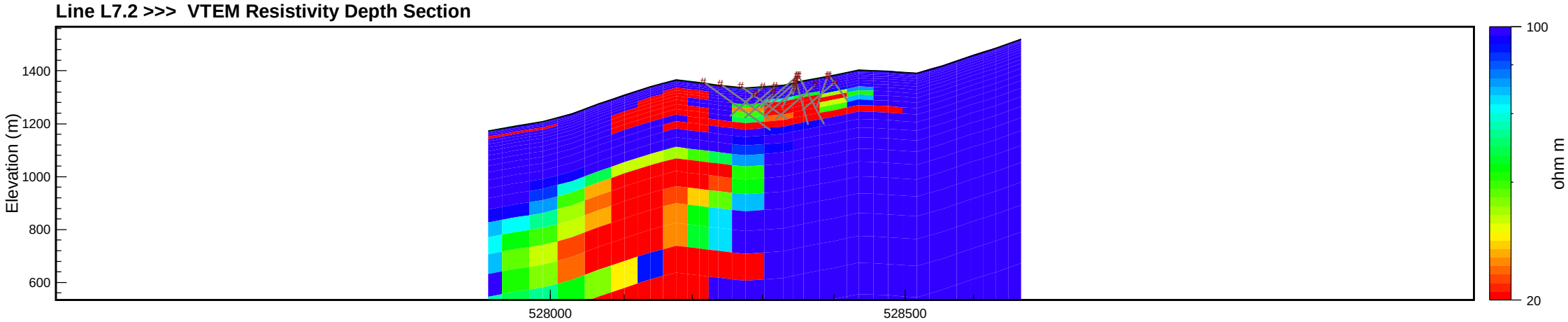
Line L7.2 >>> Magnetic Susceptibility Depth Section



Line L7.2 >>> ZTEM Resistivity Depth Section



Line L7.2 >>> VTEM Resistivity Depth Section



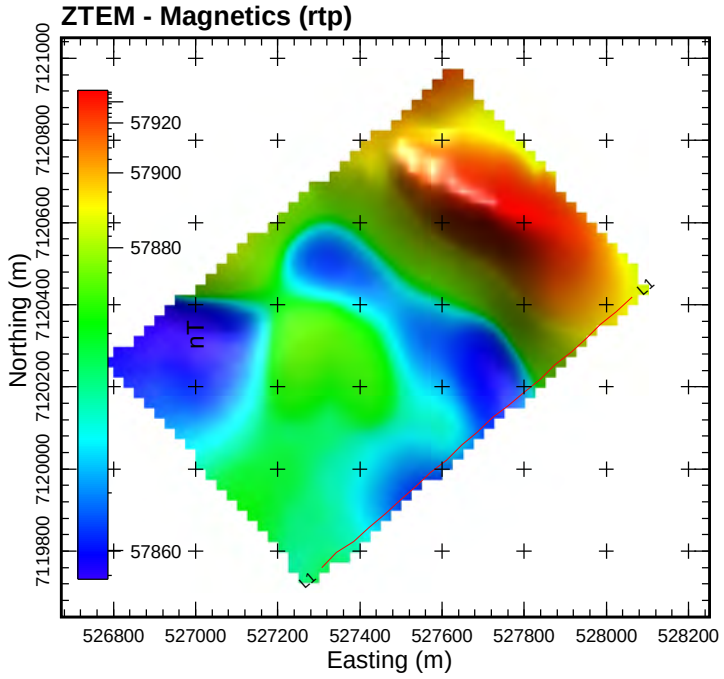
F2: ZTEM GRID MULTIPLOTS

Lines 1, 2, 3, 4, 5, 6, 7 and 8

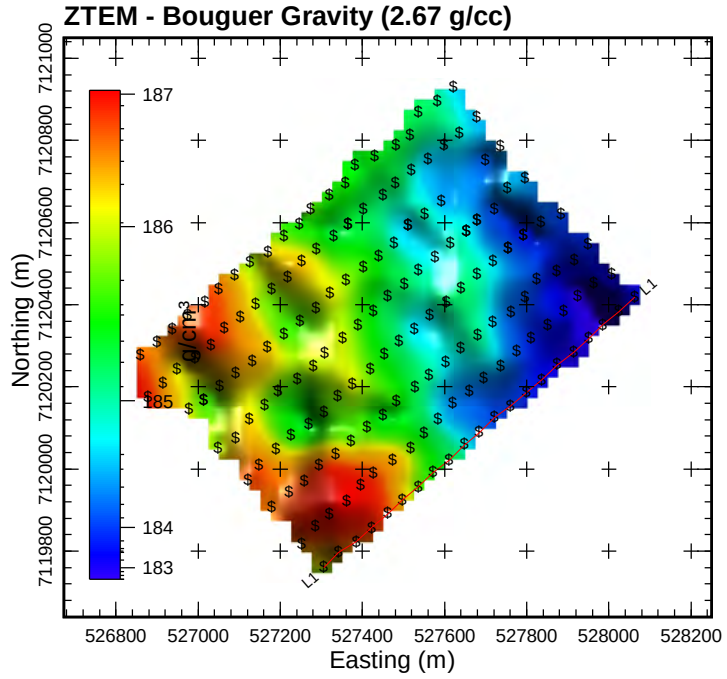
SECTIONS:

- Gravity from voxel model
- Magnetic susceptibility from voxel model of VTEM magnetics
- ZTEM conductivity from voxel model
- VTEM conductivity from voxel model

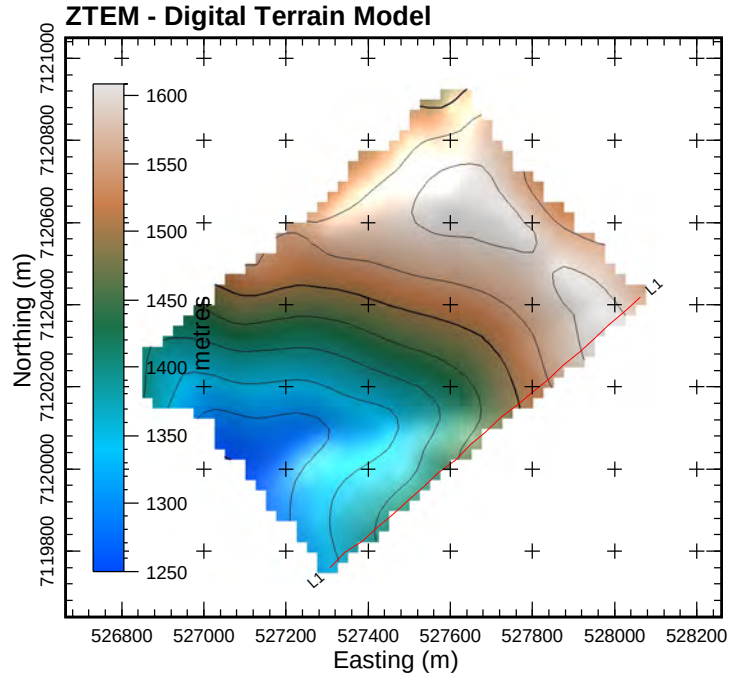
ZTEM - Magnetics (rtp)



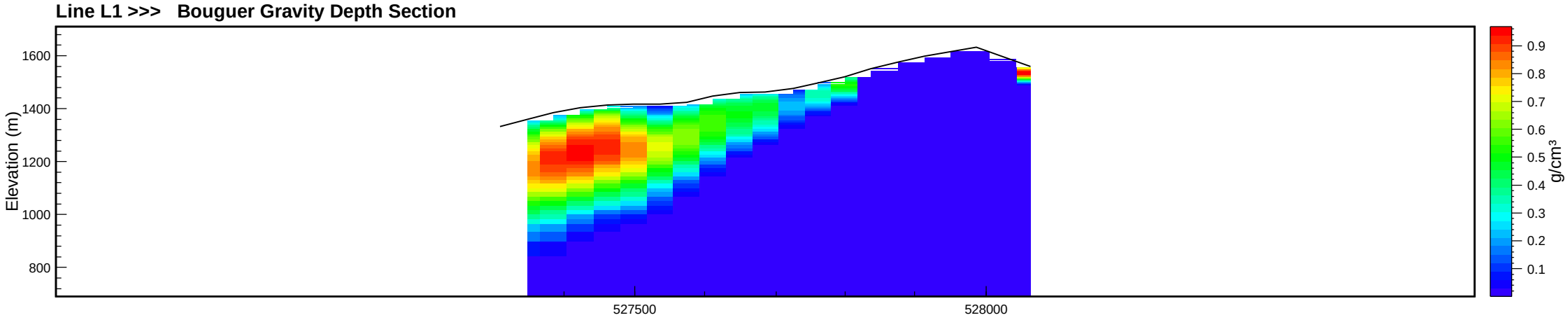
ZTEM - Bouguer Gravity (2.67 g/cc)



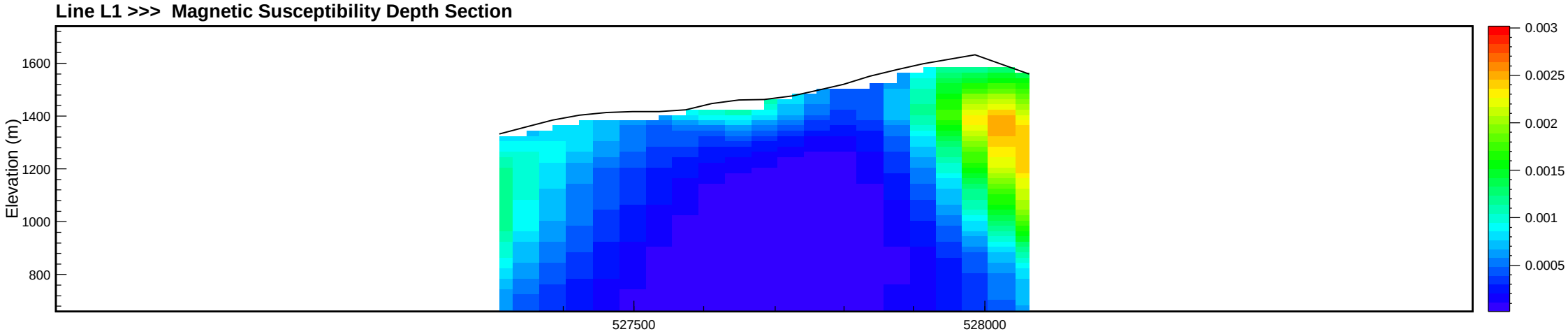
ZTEM - Digital Terrain Model



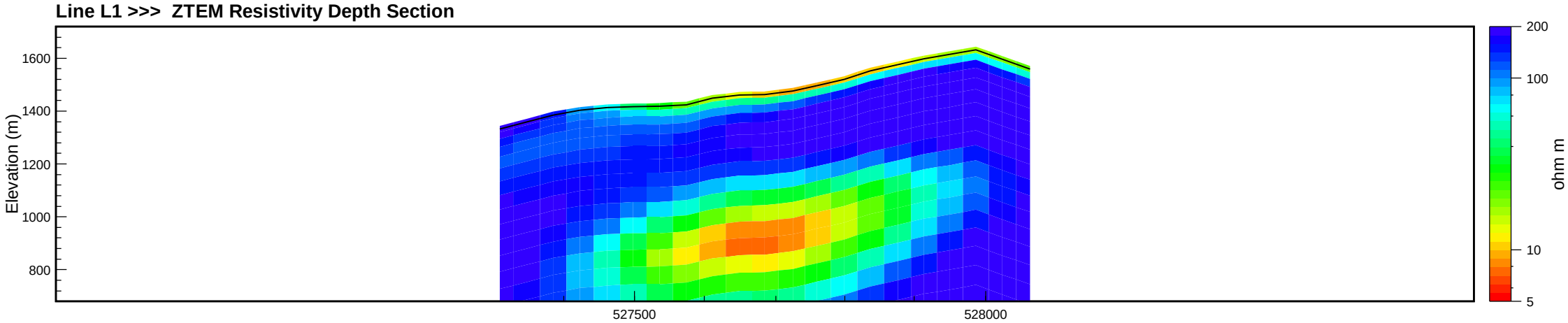
Line L1 >>> Bouguer Gravity Depth Section



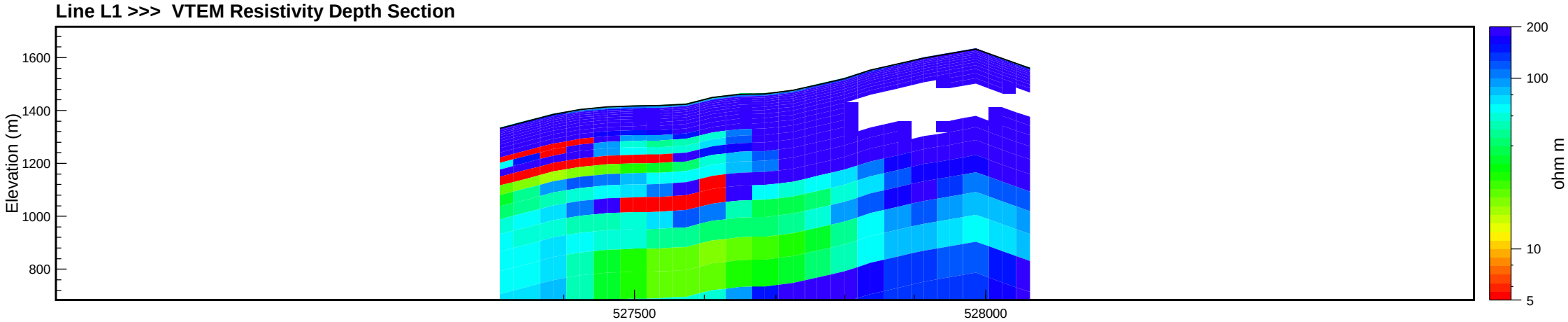
Line L1 >>> Magnetic Susceptibility Depth Section



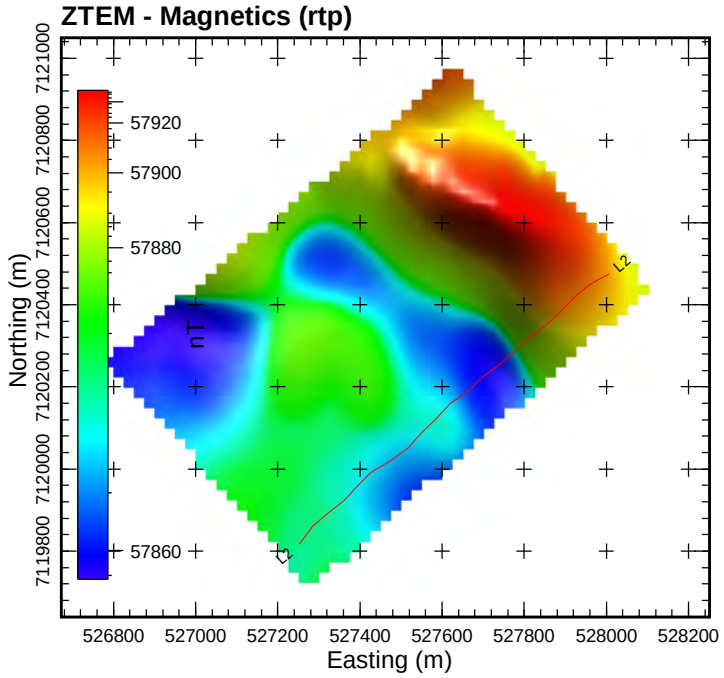
Line L1 >>> ZTEM Resistivity Depth Section



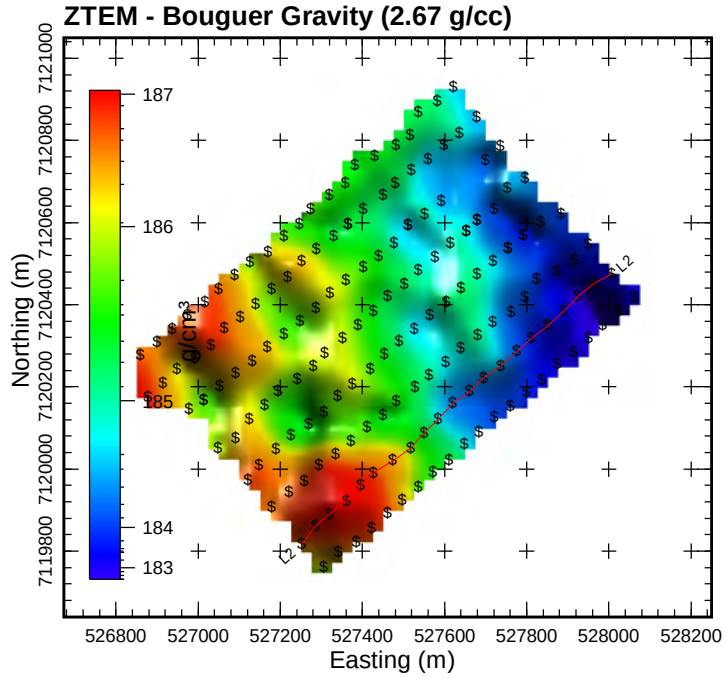
Line L1 >>> VTEM Resistivity Depth Section



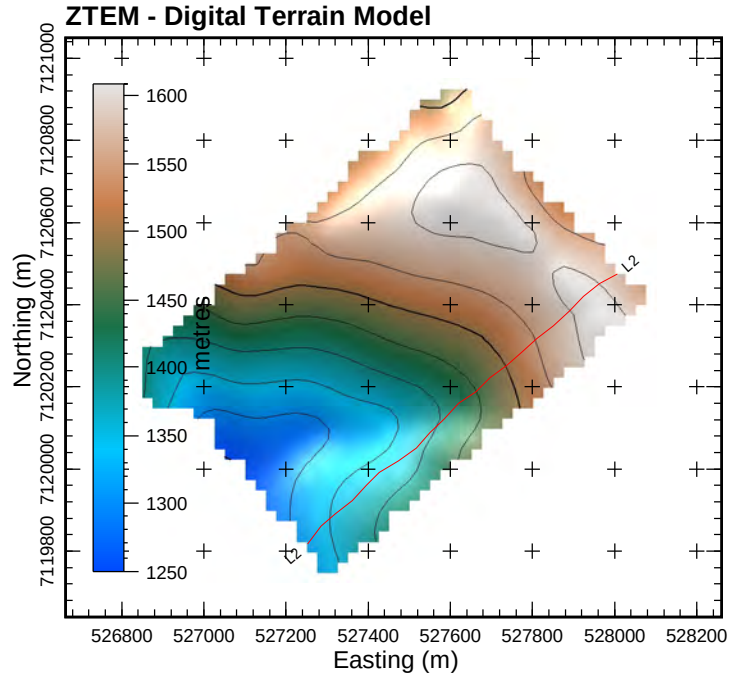
ZTEM - Magnetics (rtp)



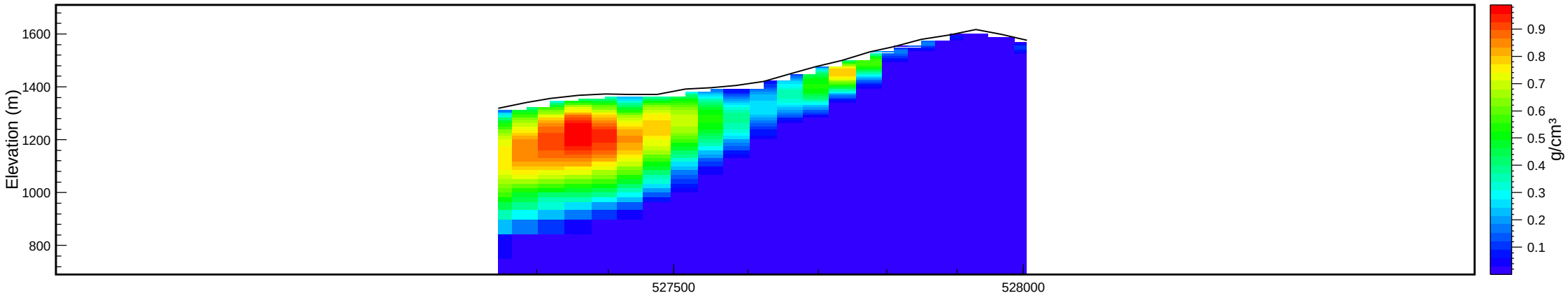
ZTEM - Bouguer Gravity (2.67 g/cc)



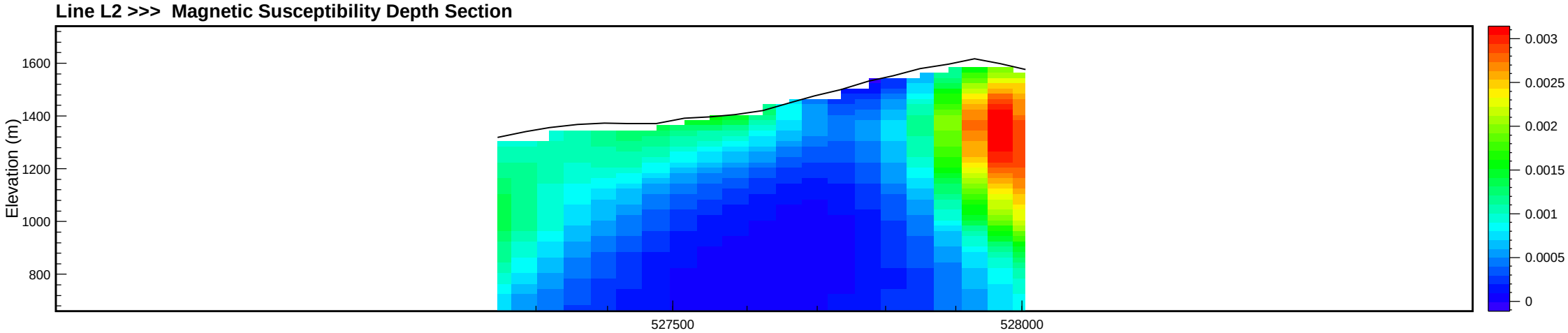
ZTEM - Digital Terrain Model



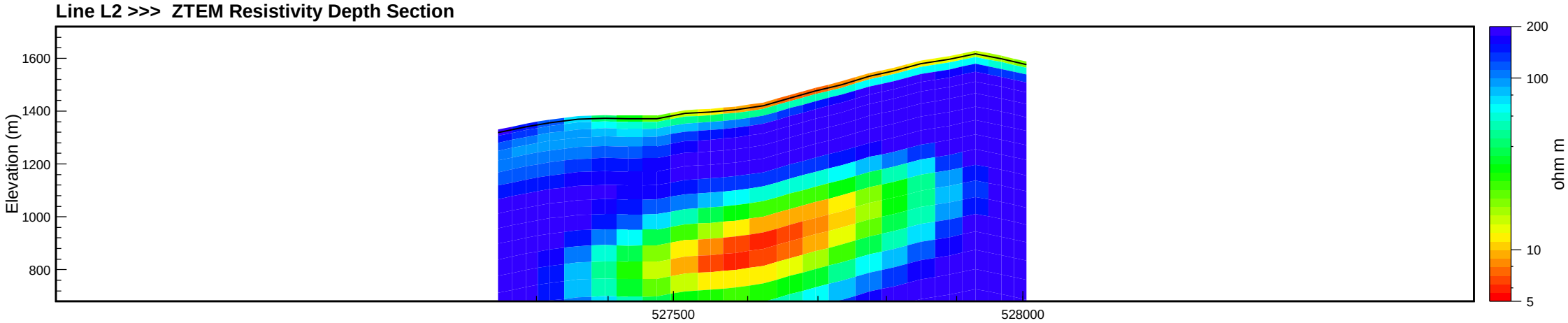
Line L2 >>> Bouguer Gravity Depth Section



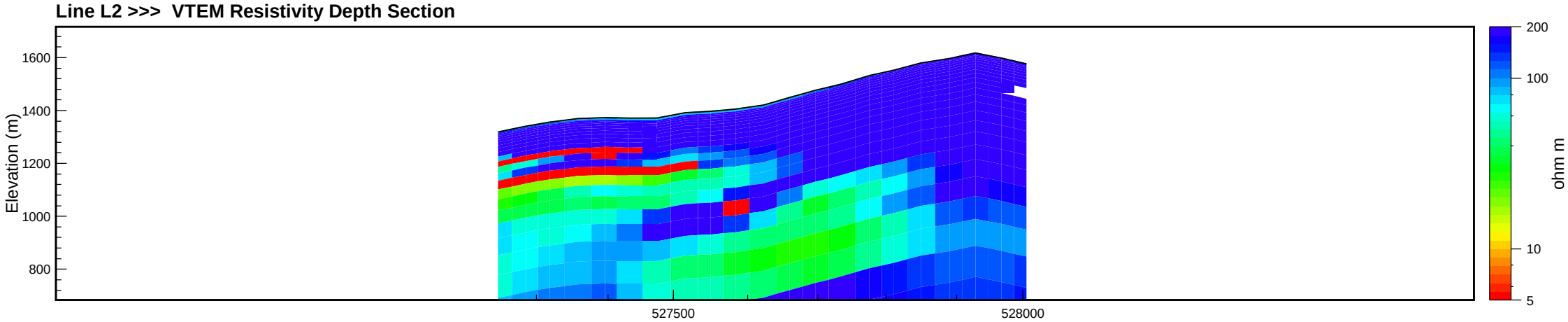
Line L2 >>> Magnetic Susceptibility Depth Section



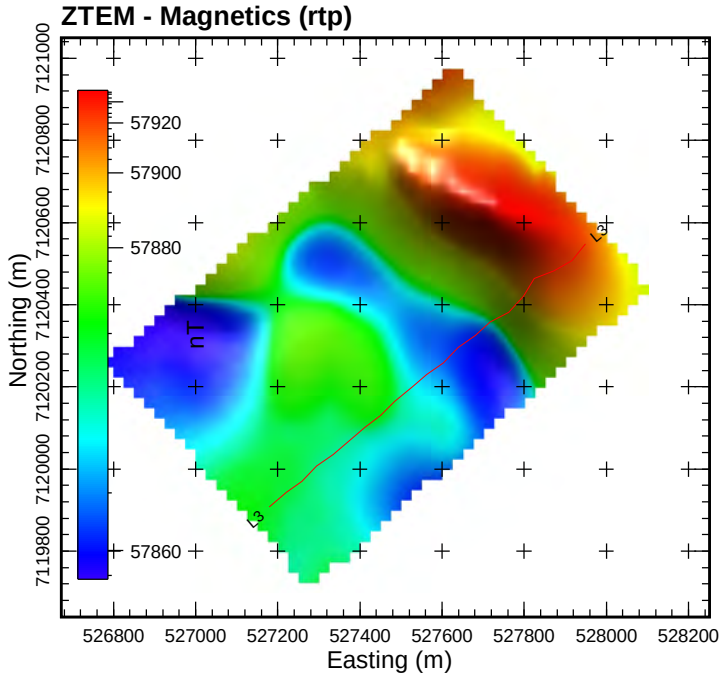
Line L2 >>> ZTEM Resistivity Depth Section



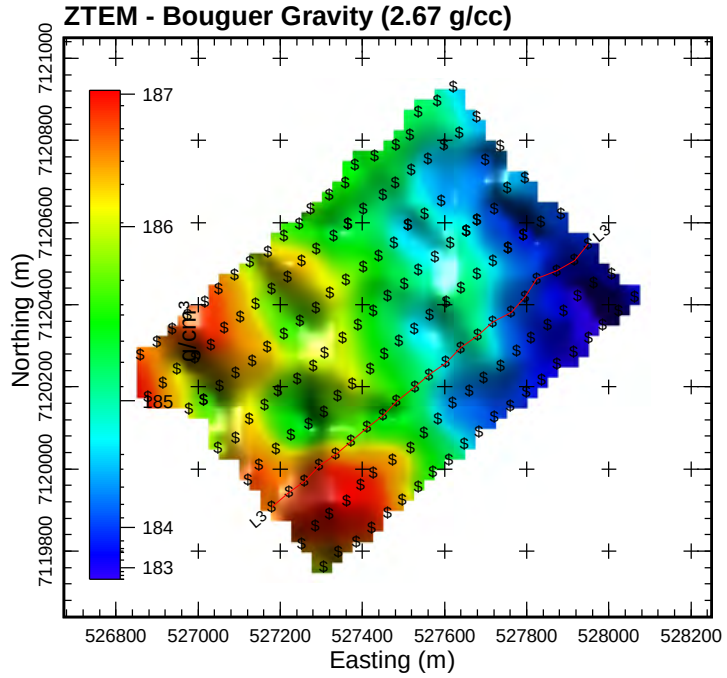
Line L2 >>> VTEM Resistivity Depth Section



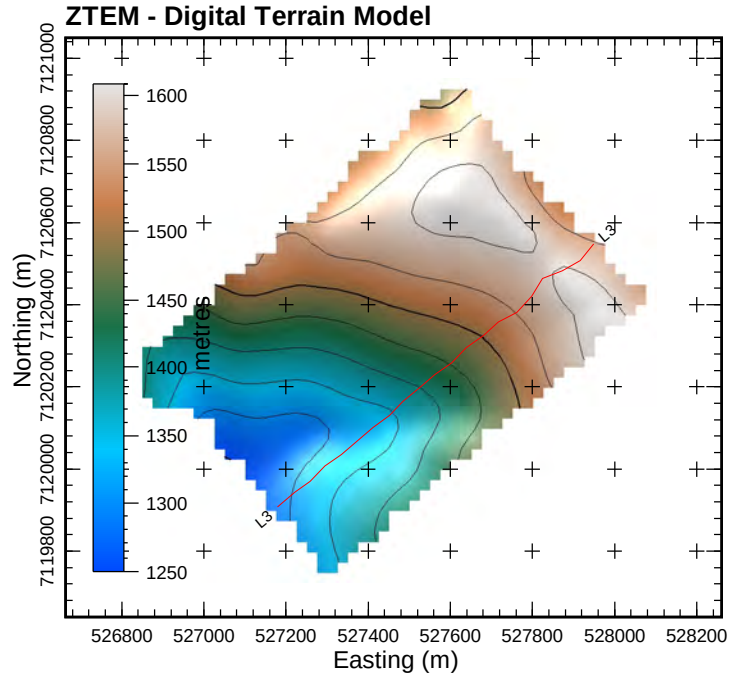
ZTEM - Magnetics (rtp)



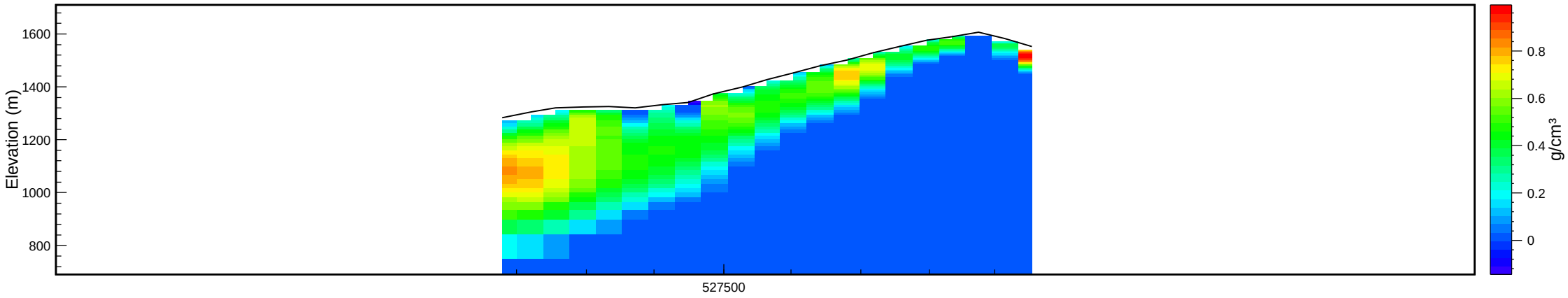
ZTEM - Bouguer Gravity (2.67 g/cc)



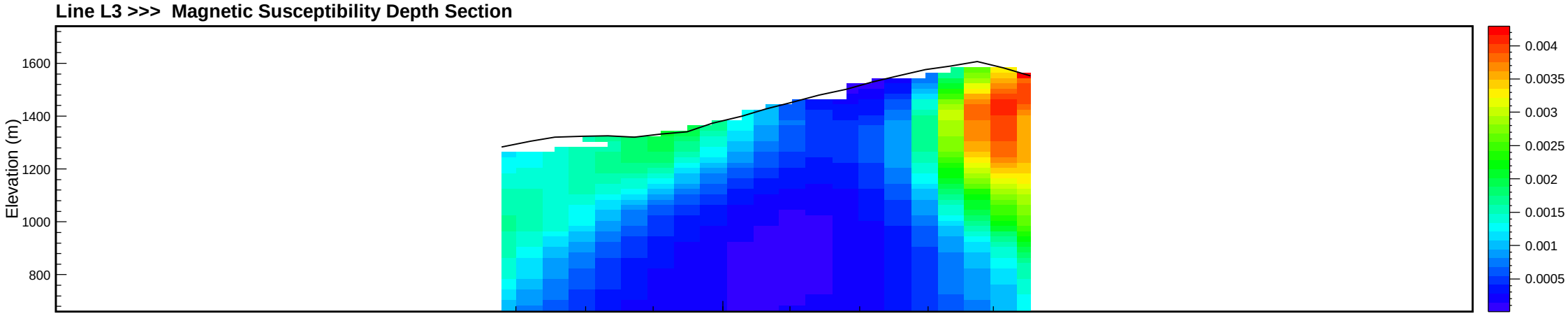
ZTEM - Digital Terrain Model



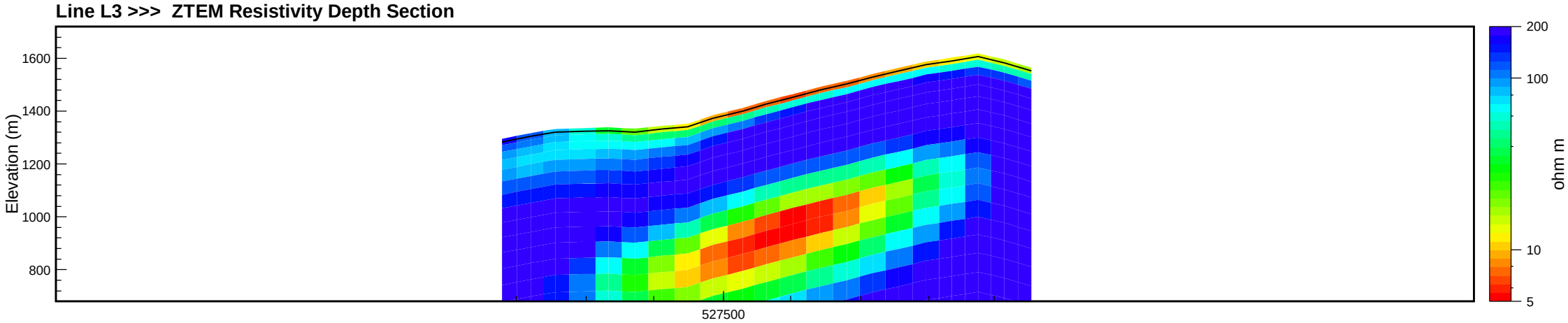
Line L3 >>> Bouguer Gravity Depth Section



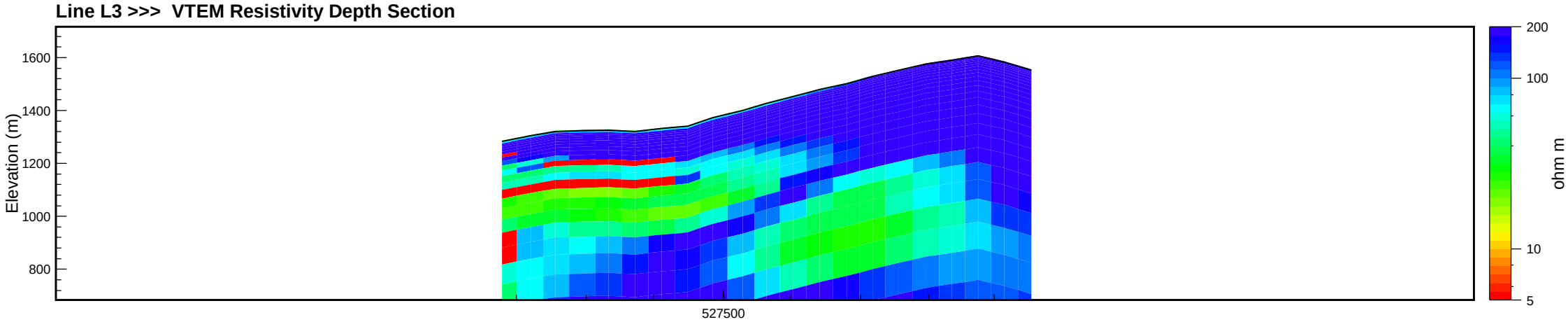
Line L3 >>> Magnetic Susceptibility Depth Section



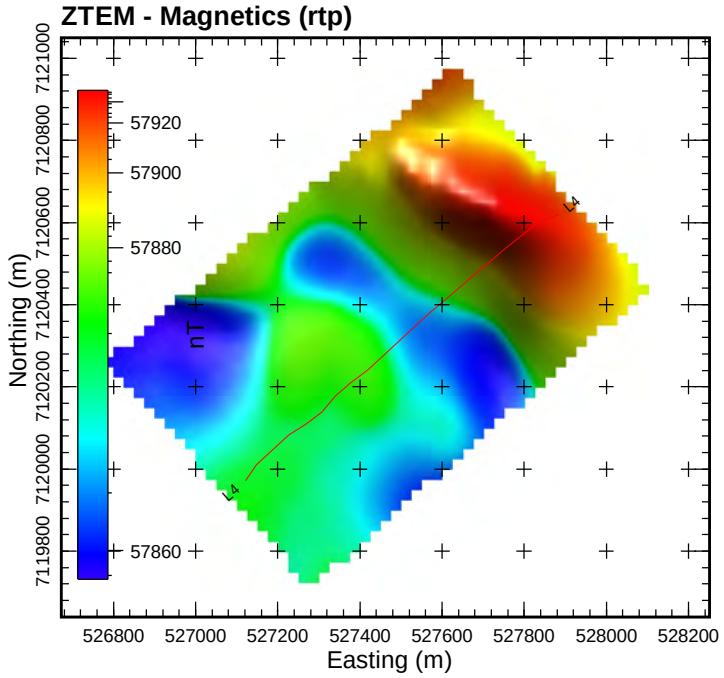
Line L3 >>> ZTEM Resistivity Depth Section



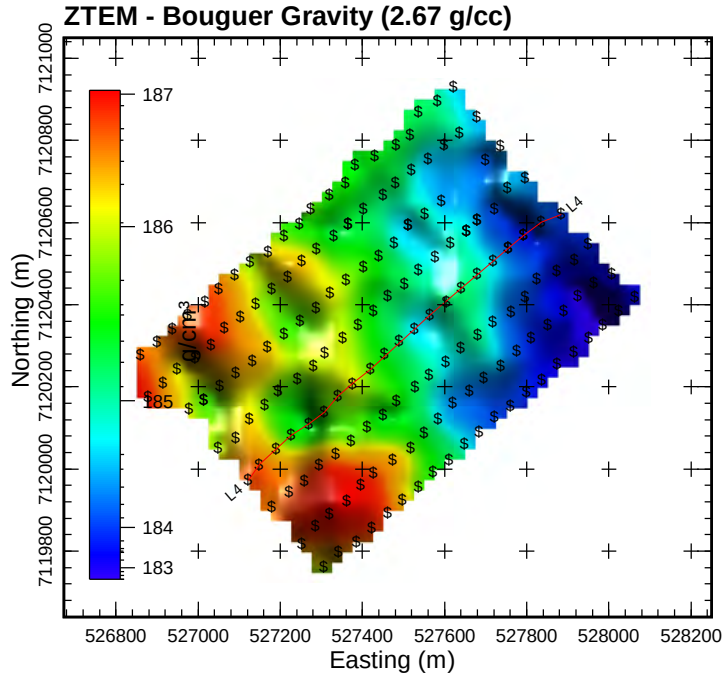
Line L3 >>> VTEM Resistivity Depth Section



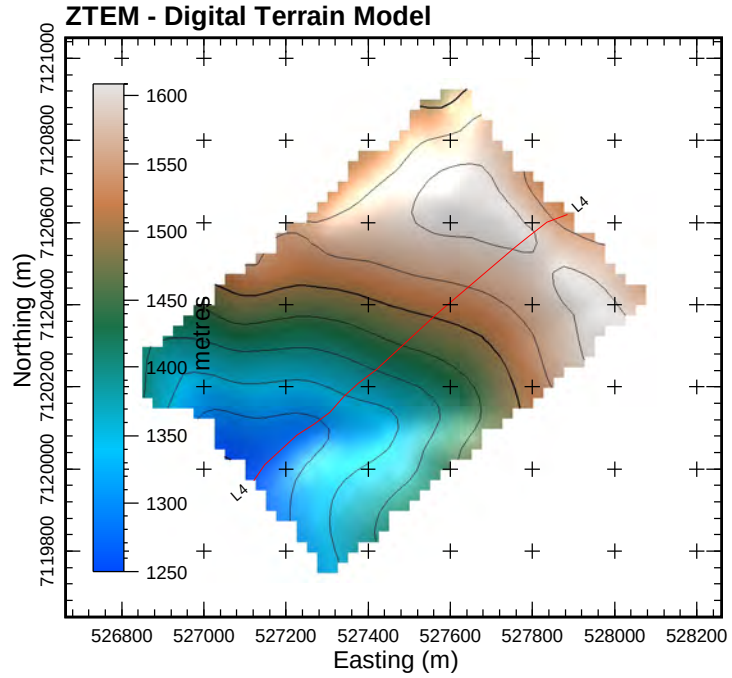
ZTEM - Magnetics (rtp)



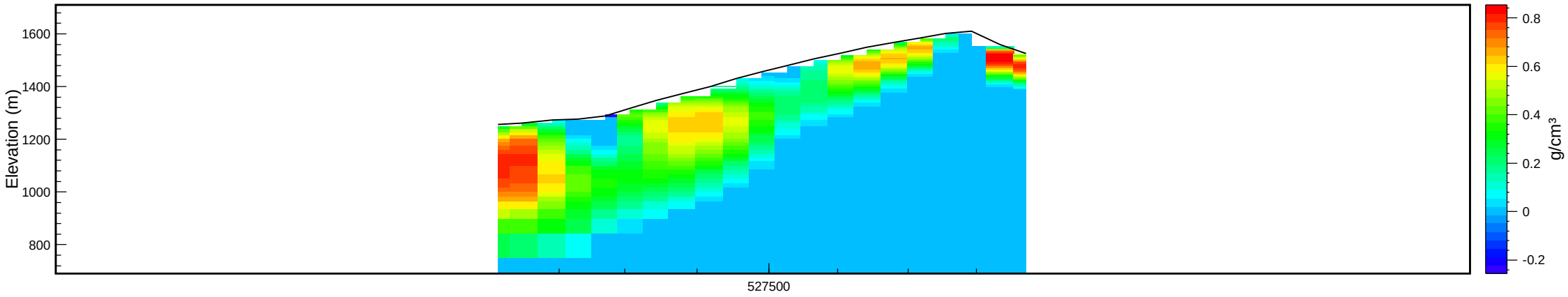
ZTEM - Bouguer Gravity (2.67 g/cc)



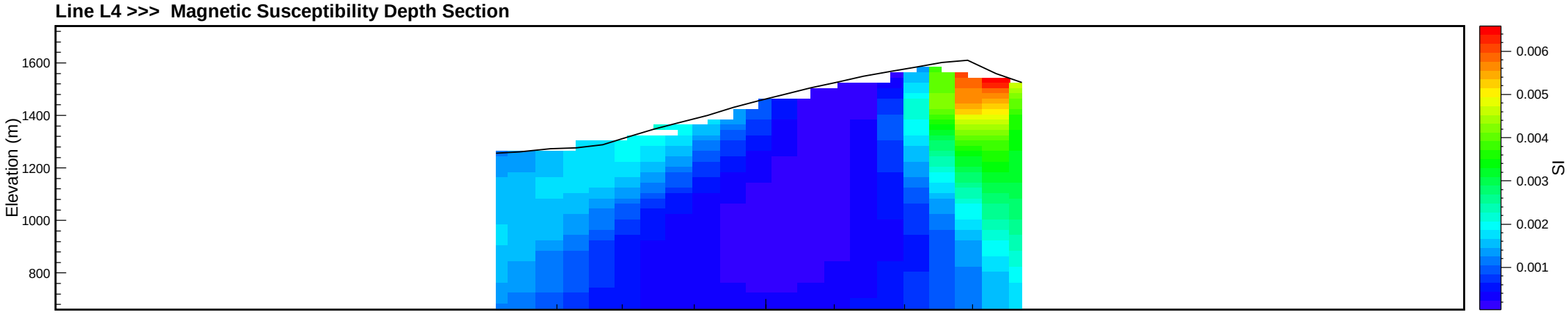
ZTEM - Digital Terrain Model



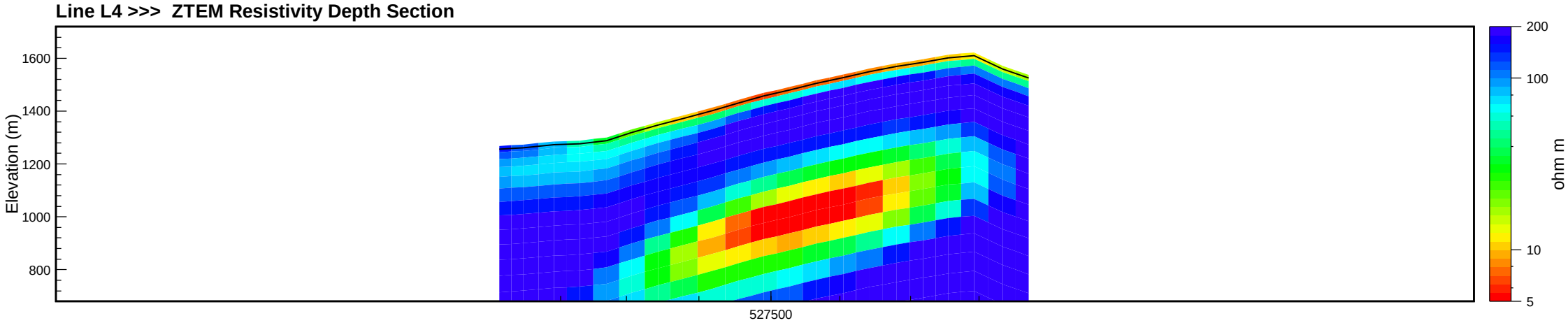
Line L4 >>> Bouguer Gravity Depth Section



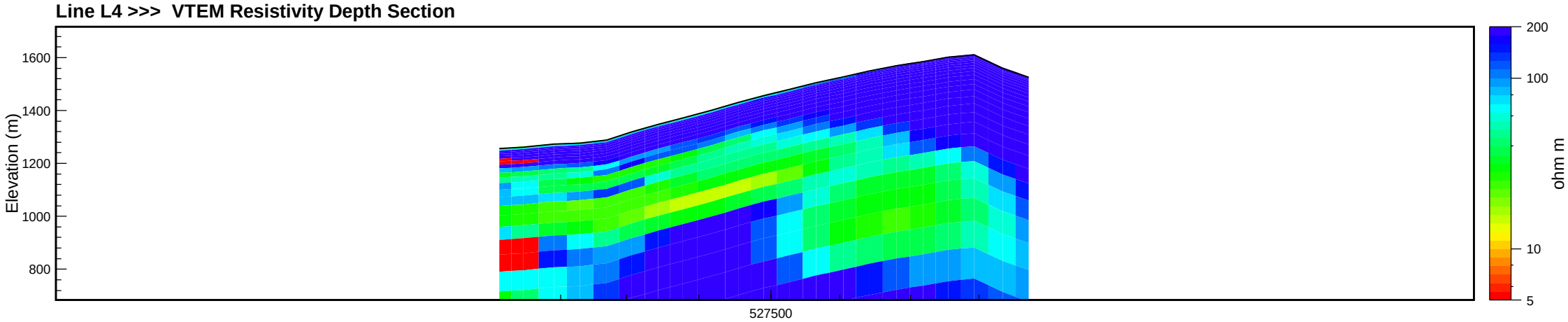
Line L4 >>> Magnetic Susceptibility Depth Section



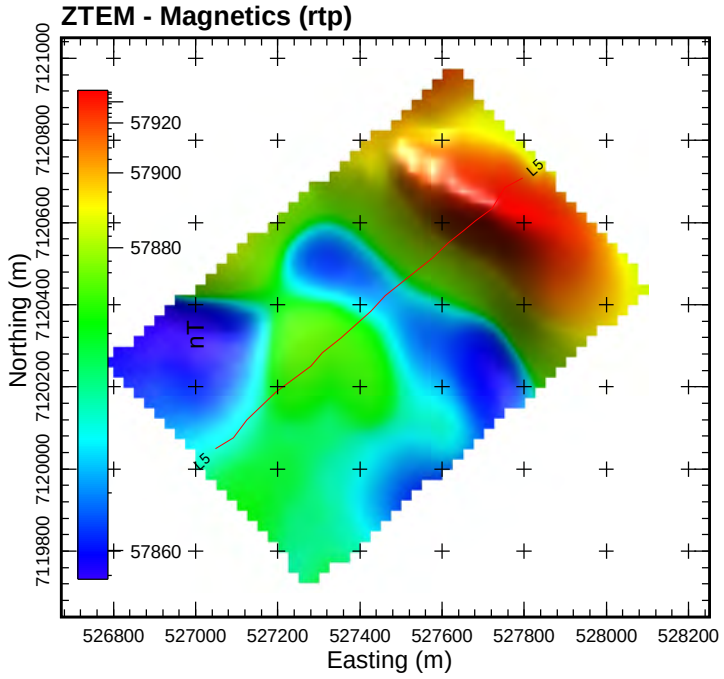
Line L4 >>> ZTEM Resistivity Depth Section



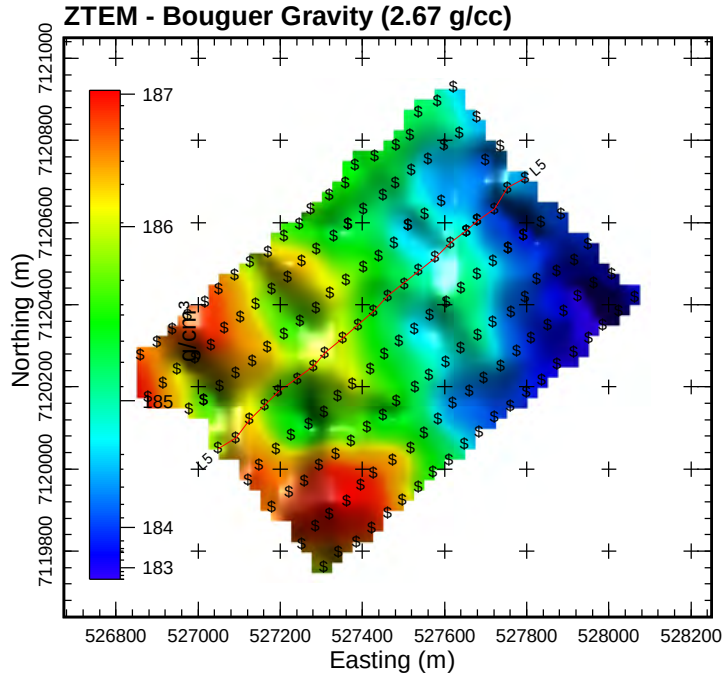
Line L4 >>> VTEM Resistivity Depth Section



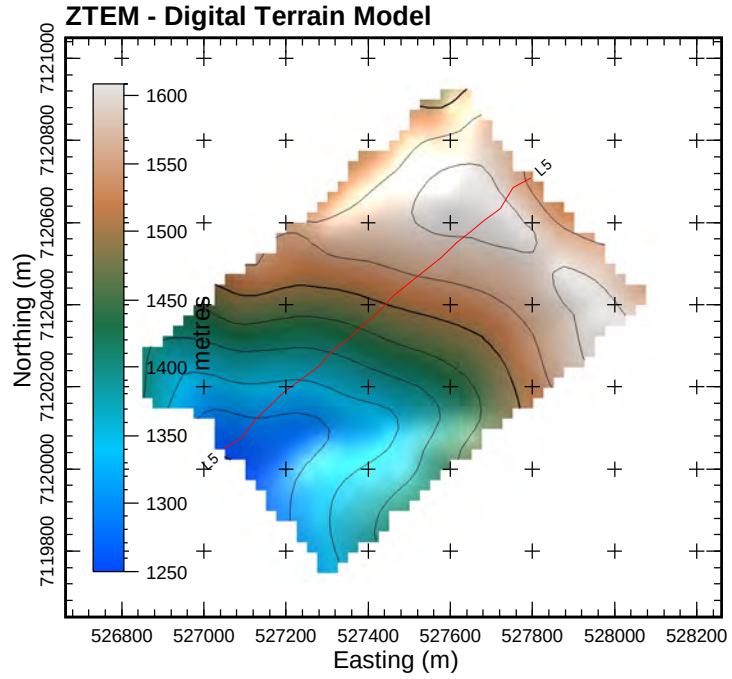
ZTEM - Magnetics (rtp)



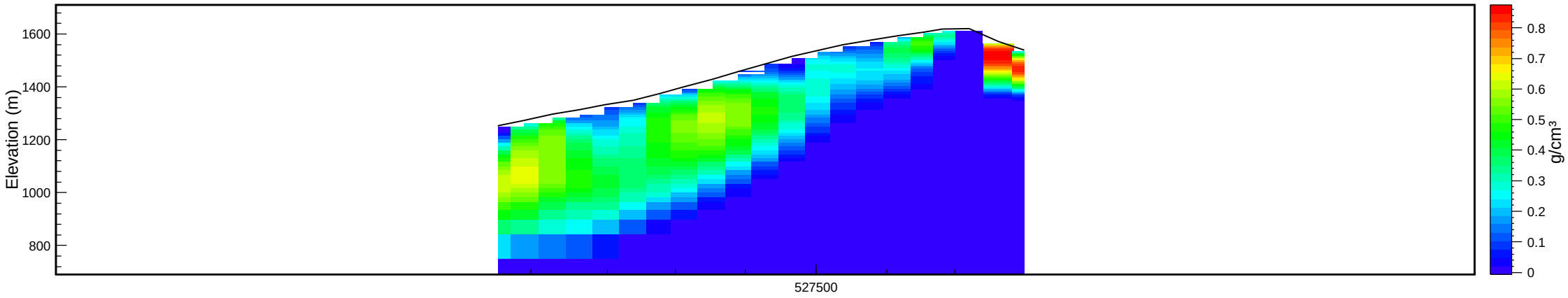
ZTEM - Bouguer Gravity (2.67 g/cc)



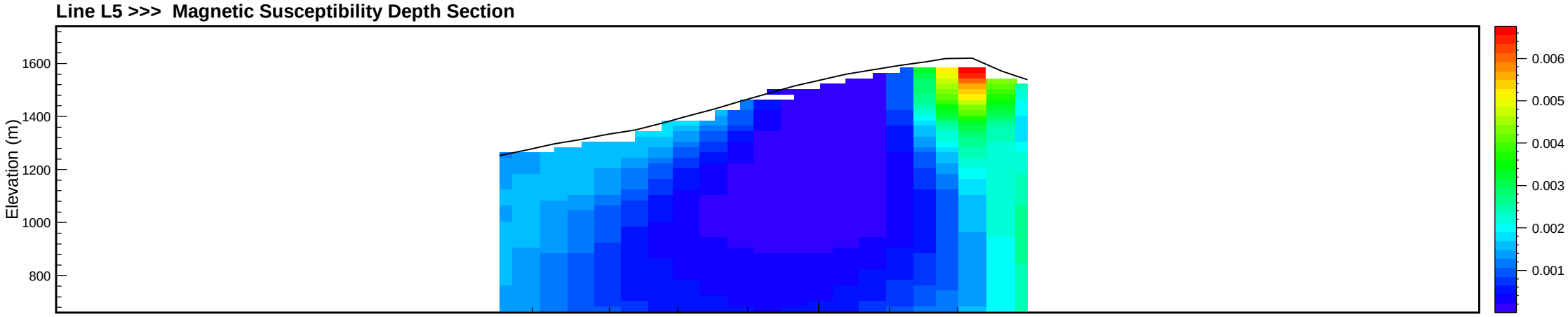
ZTEM - Digital Terrain Model



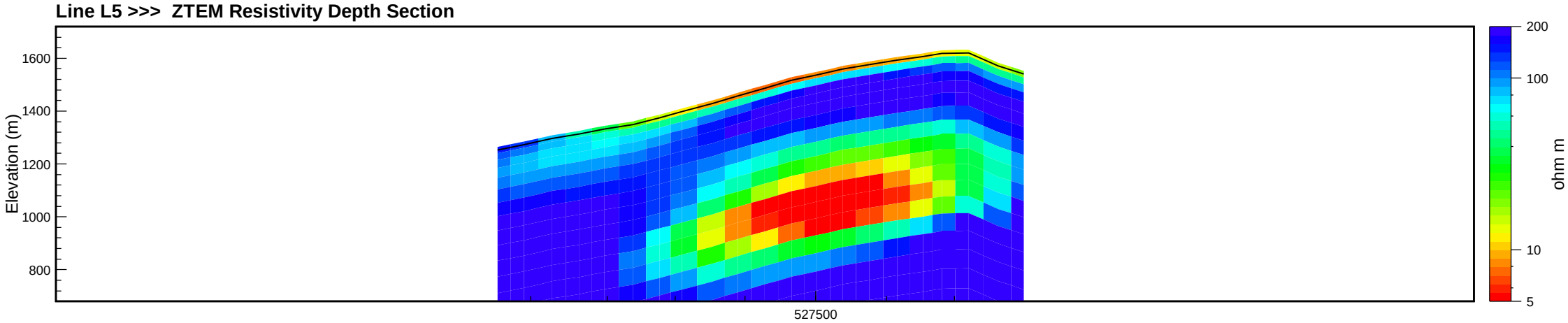
Line L5 >>> Bouguer Gravity Depth Section



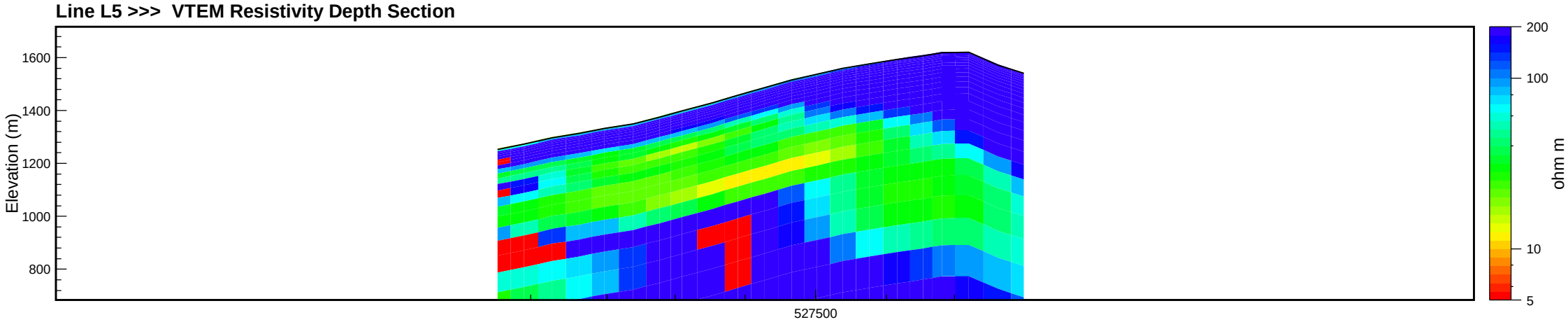
Line L5 >>> Magnetic Susceptibility Depth Section



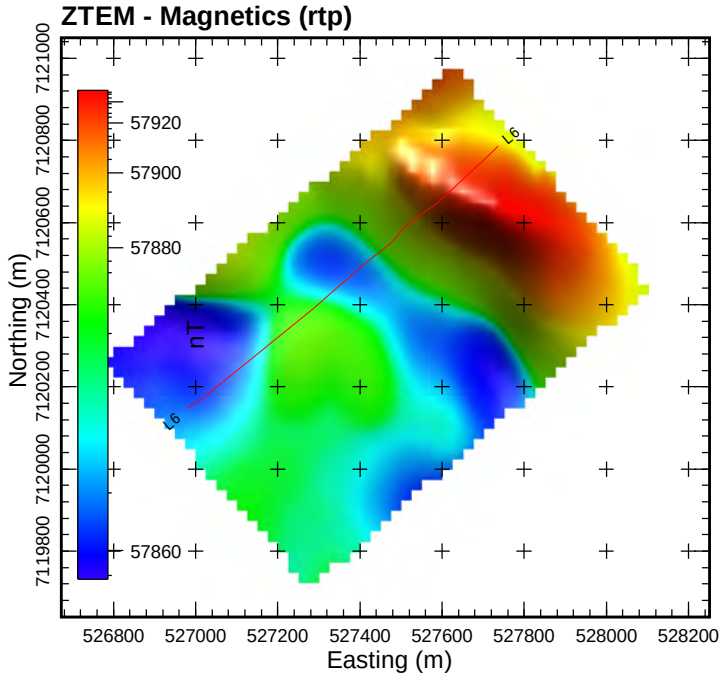
Line L5 >>> ZTEM Resistivity Depth Section



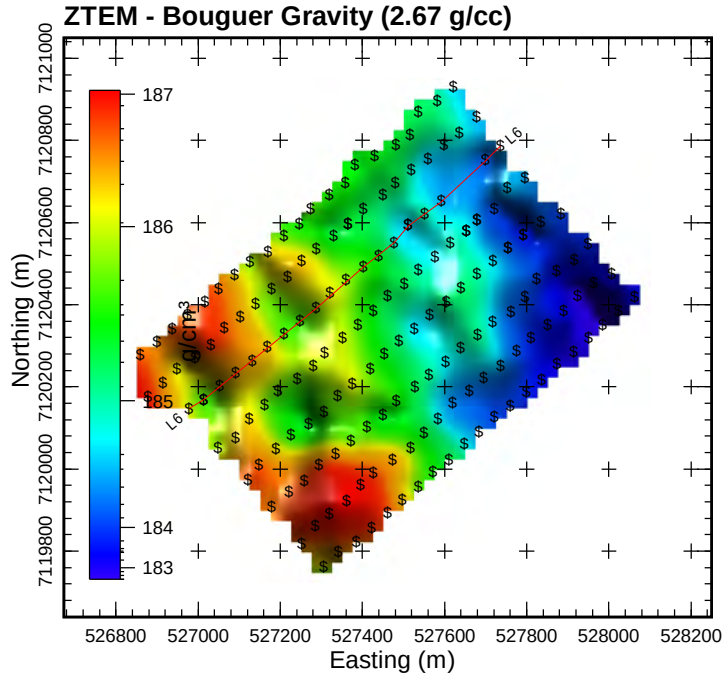
Line L5 >>> VTEM Resistivity Depth Section



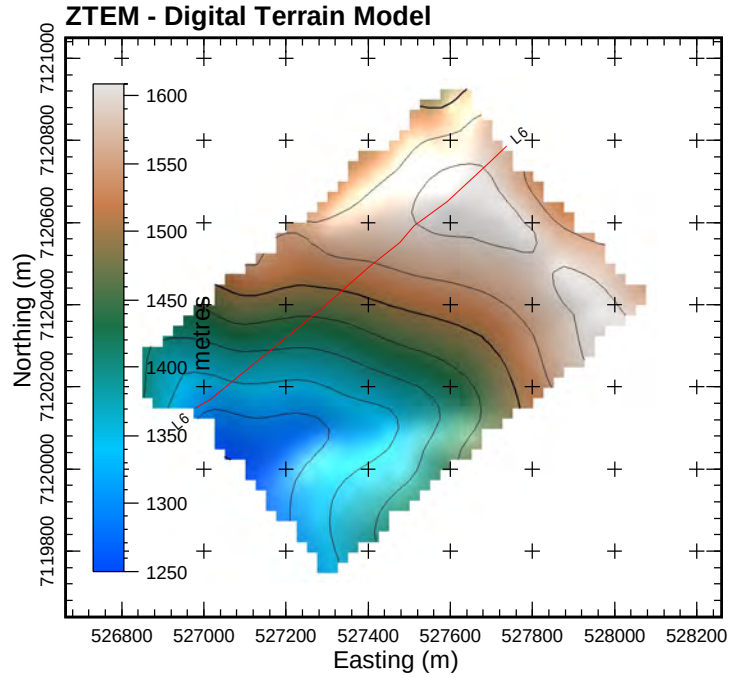
ZTEM - Magnetics (rtp)



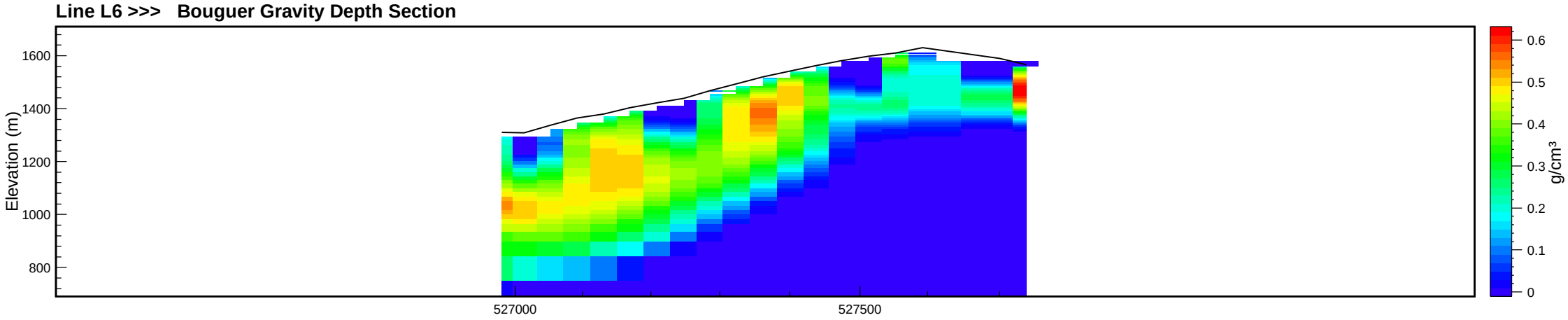
ZTEM - Bouguer Gravity (2.67 g/cc)



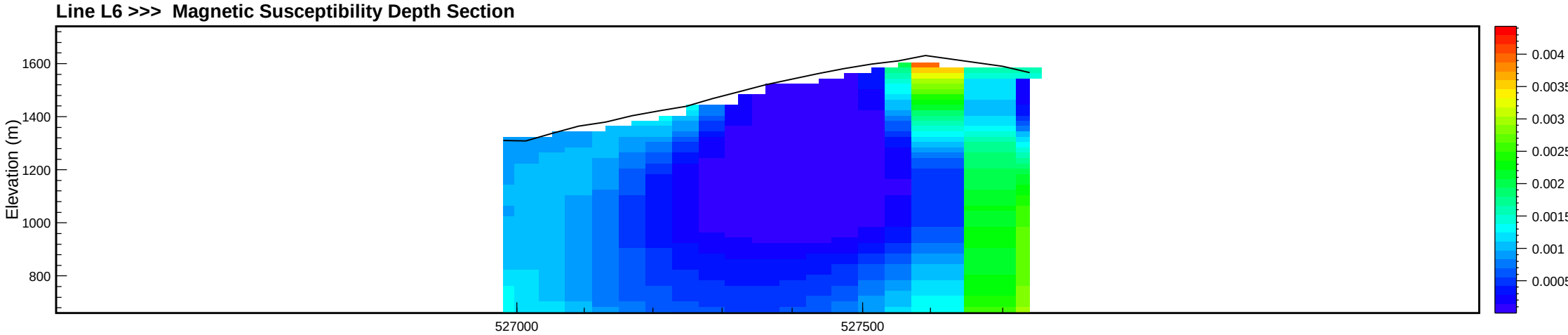
ZTEM - Digital Terrain Model



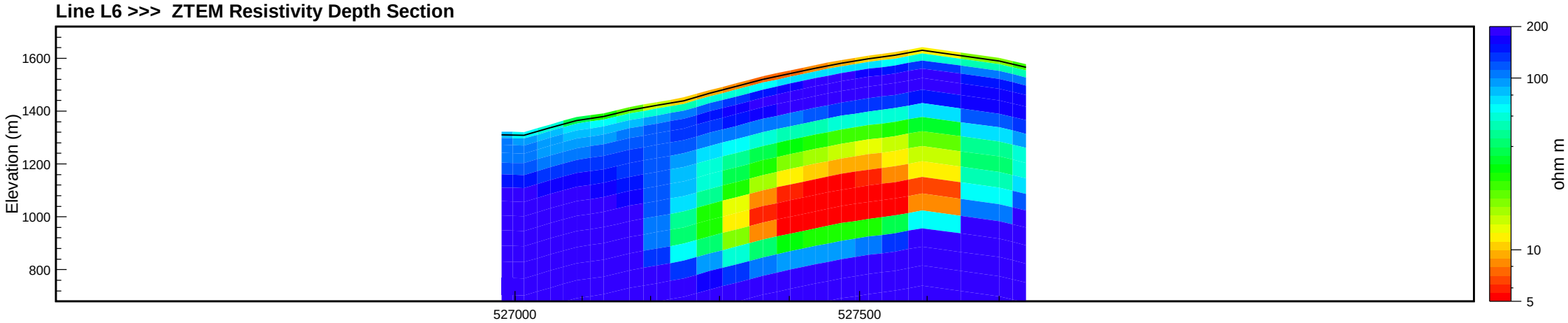
Line L6 >>> Bouguer Gravity Depth Section



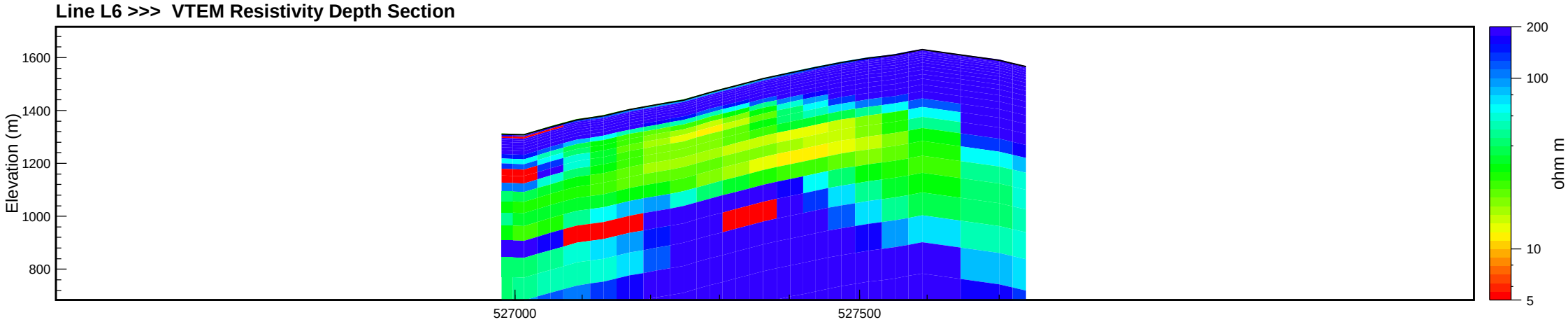
Line L6 >>> Magnetic Susceptibility Depth Section



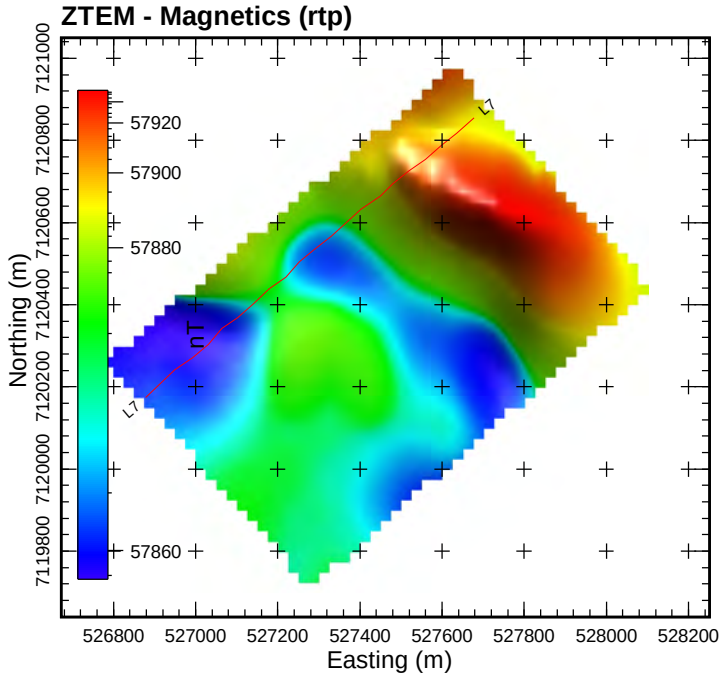
Line L6 >>> ZTEM Resistivity Depth Section



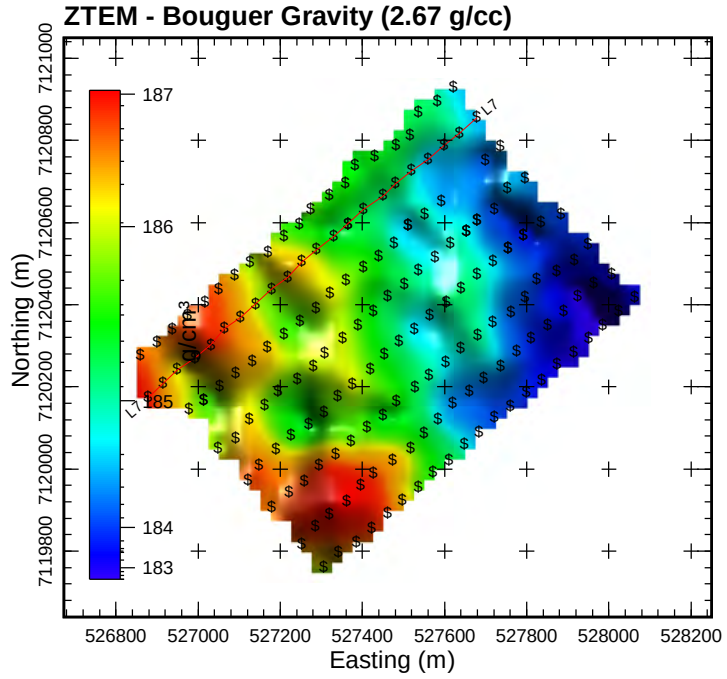
Line L6 >>> VTEM Resistivity Depth Section



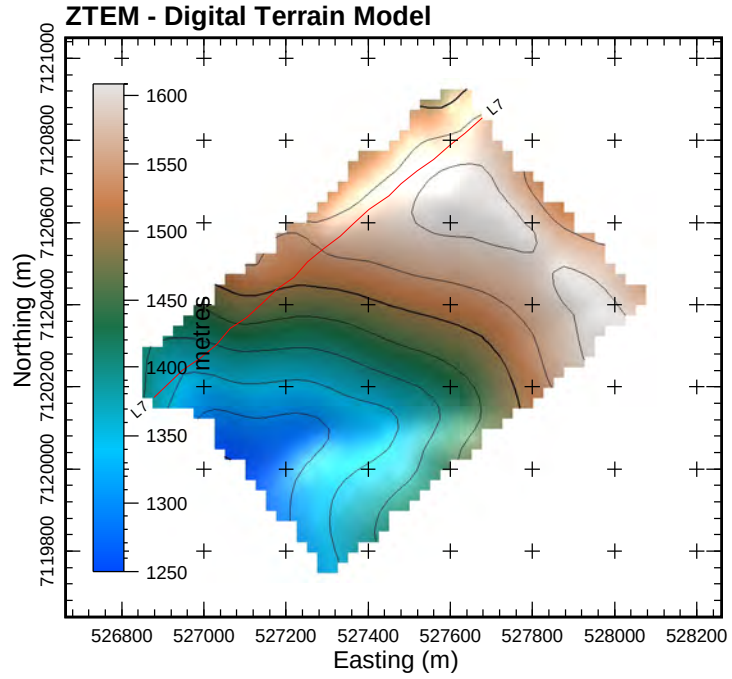
ZTEM - Magnetics (rtp)



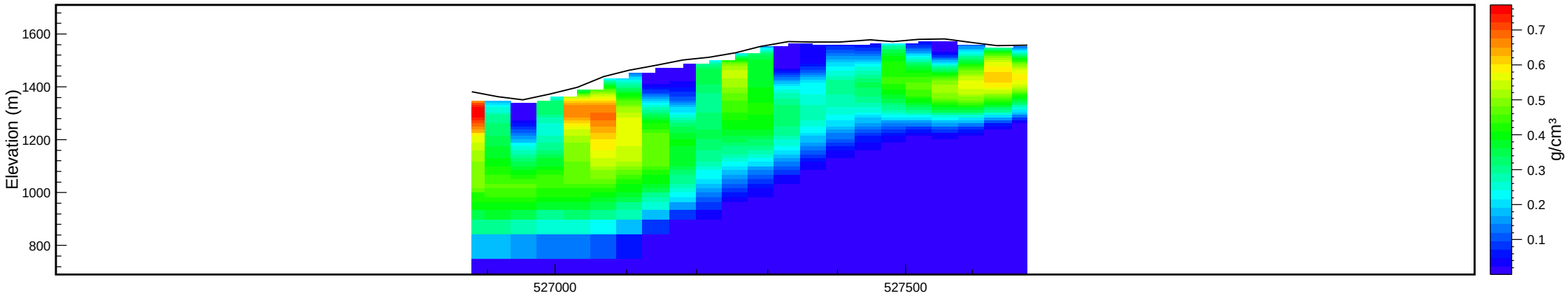
ZTEM - Bouguer Gravity (2.67 g/cc)



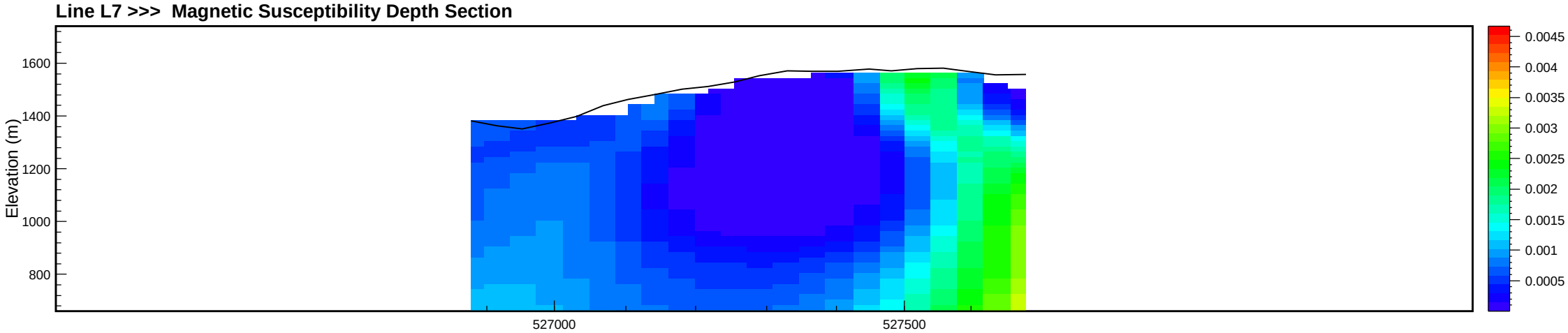
ZTEM - Digital Terrain Model



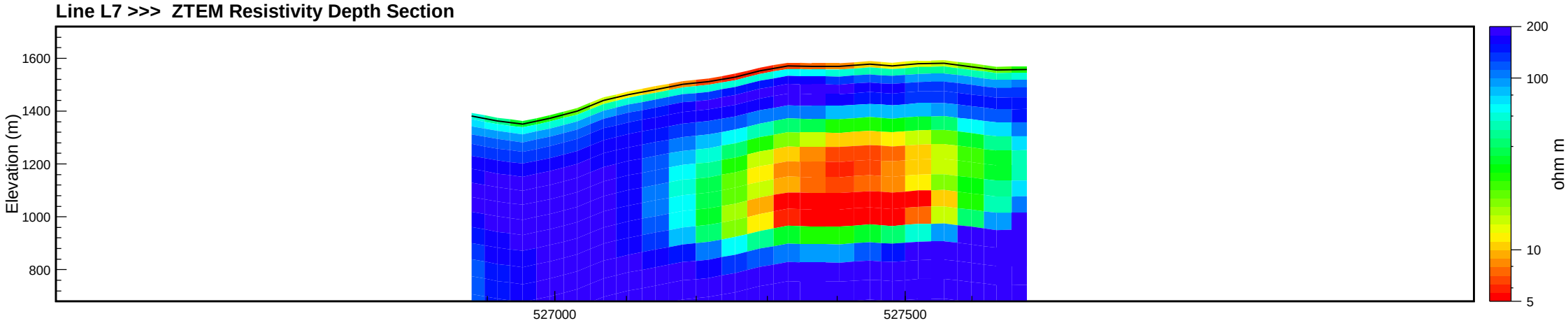
Line L7 >>> Bouguer Gravity Depth Section



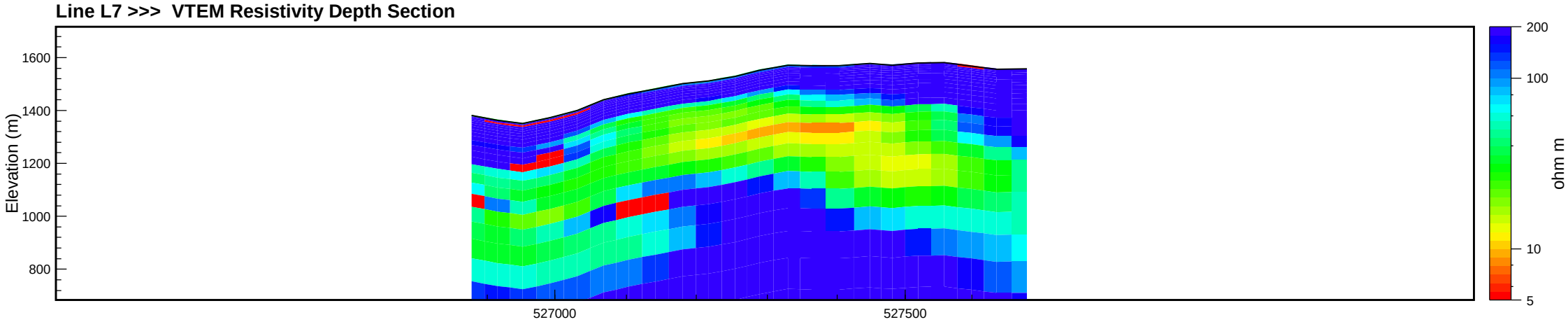
Line L7 >>> Magnetic Susceptibility Depth Section



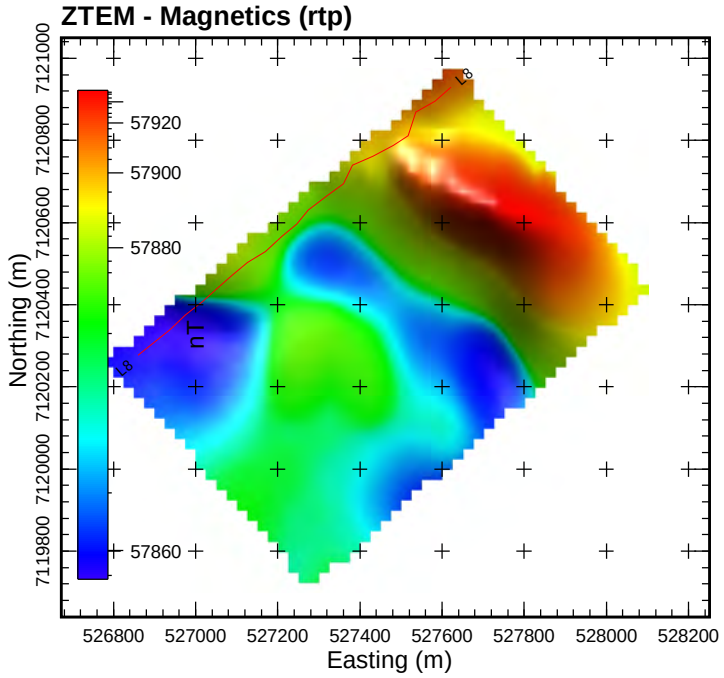
Line L7 >>> ZTEM Resistivity Depth Section



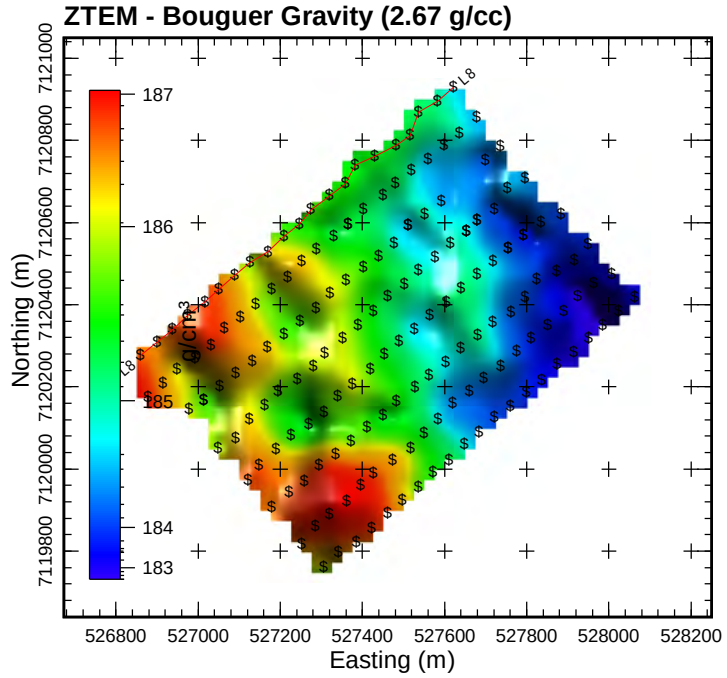
Line L7 >>> VTEM Resistivity Depth Section



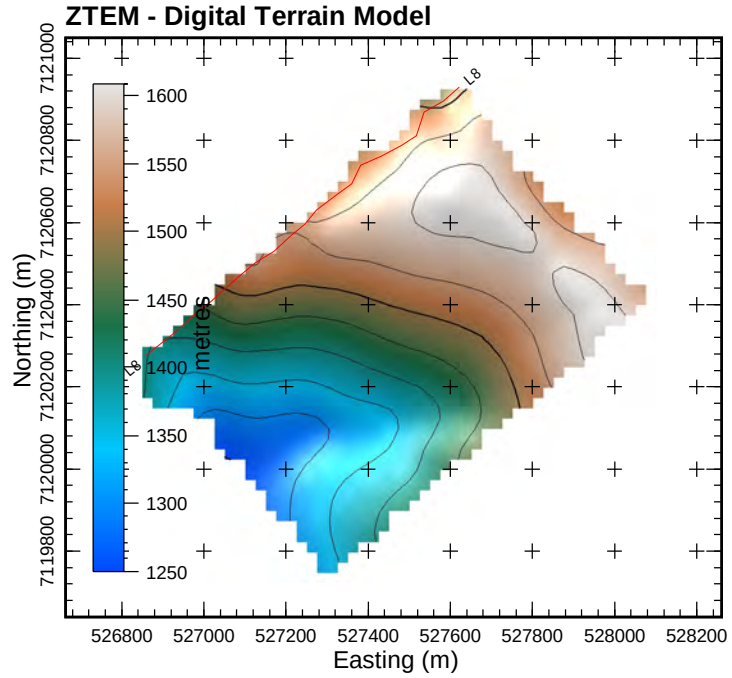
ZTEM - Magnetics (rtp)



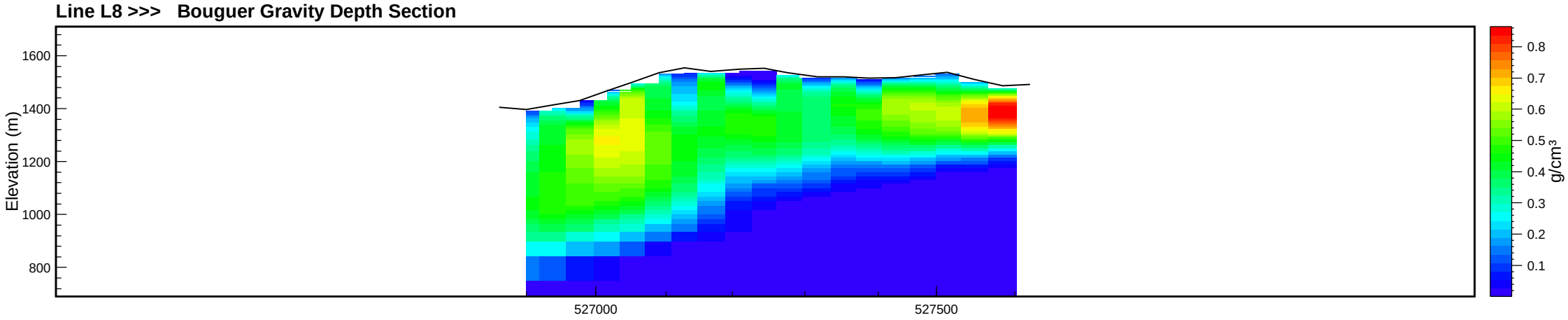
ZTEM - Bouguer Gravity (2.67 g/cc)



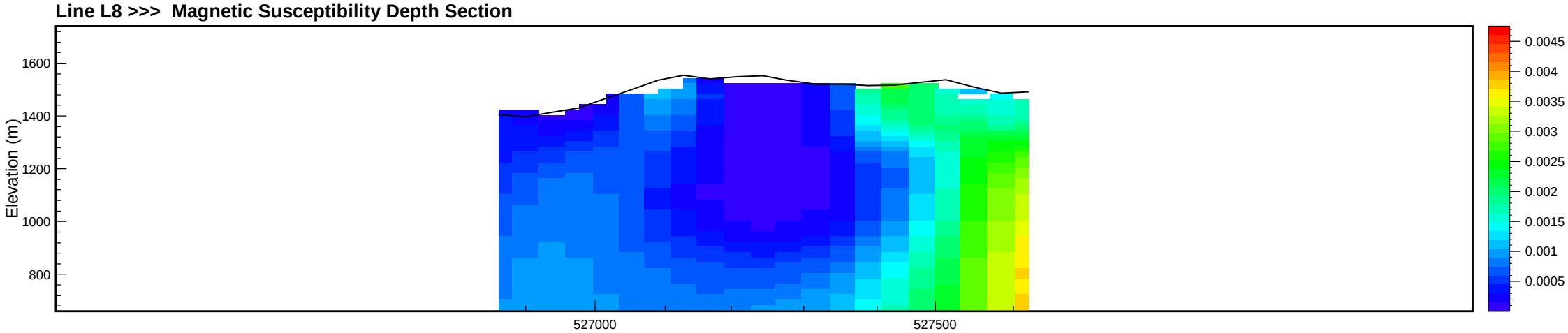
ZTEM - Digital Terrain Model



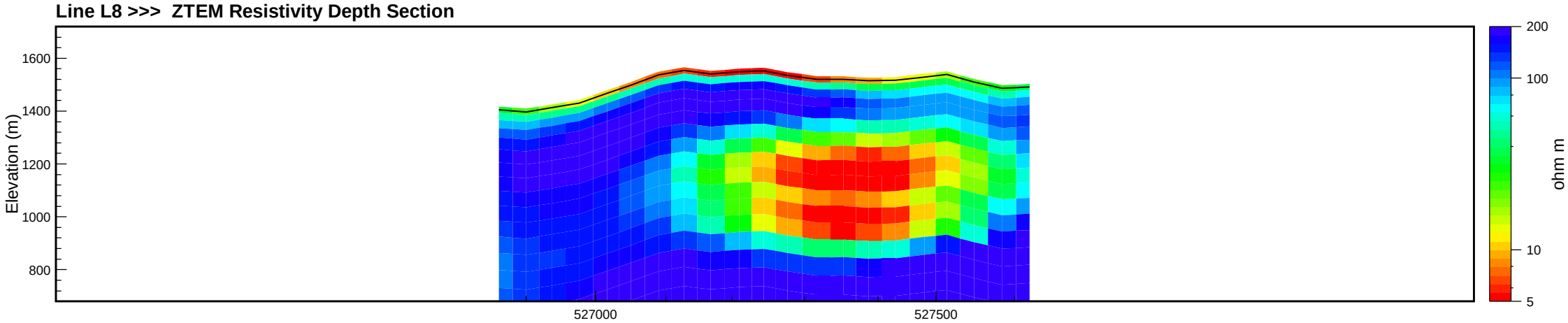
Line L8 >>> Bouguer Gravity Depth Section



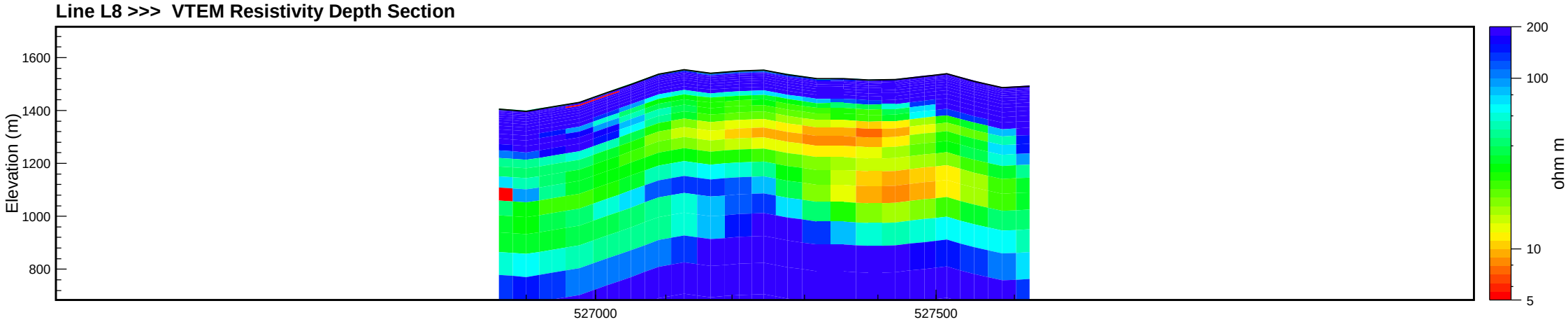
Line L8 >>> Magnetic Susceptibility Depth Section



Line L8 >>> ZTEM Resistivity Depth Section



Line L8 >>> VTEM Resistivity Depth Section



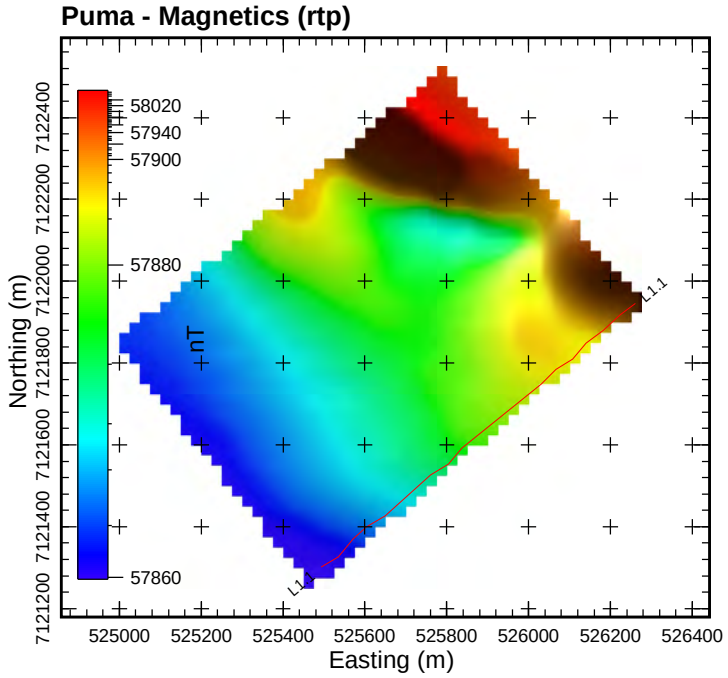
F3: PUMA GRID MULTIPLOTS

Lines 1.2, 2.2, 3.2, 4.2, 5.2, 6.2, 7.2 and 8.2

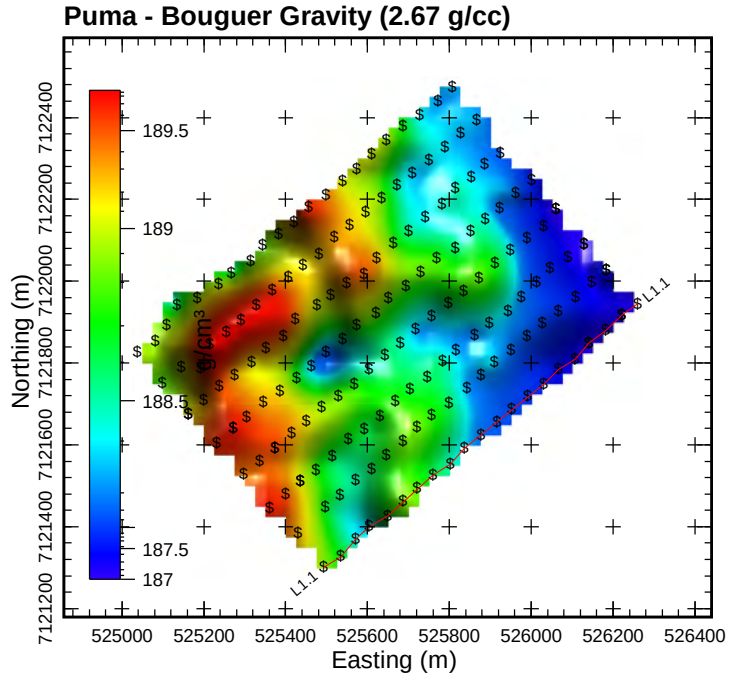
SECTIONS:

- Gravity from voxel model
- Magnetic susceptibility from voxel model of VTEM magnetics
- ZTEM conductivity from voxel model
- VTEM conductivity from voxel model

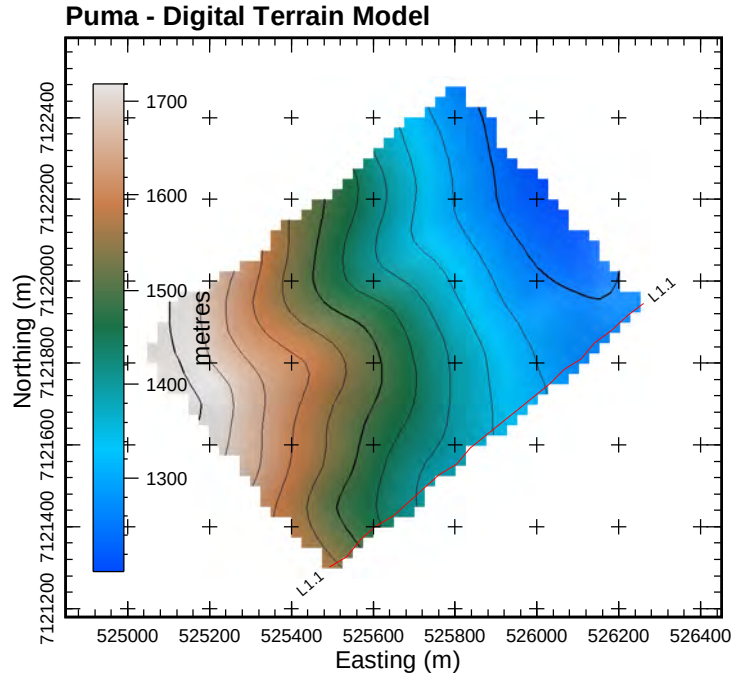
Puma - Magnetics (rtp)



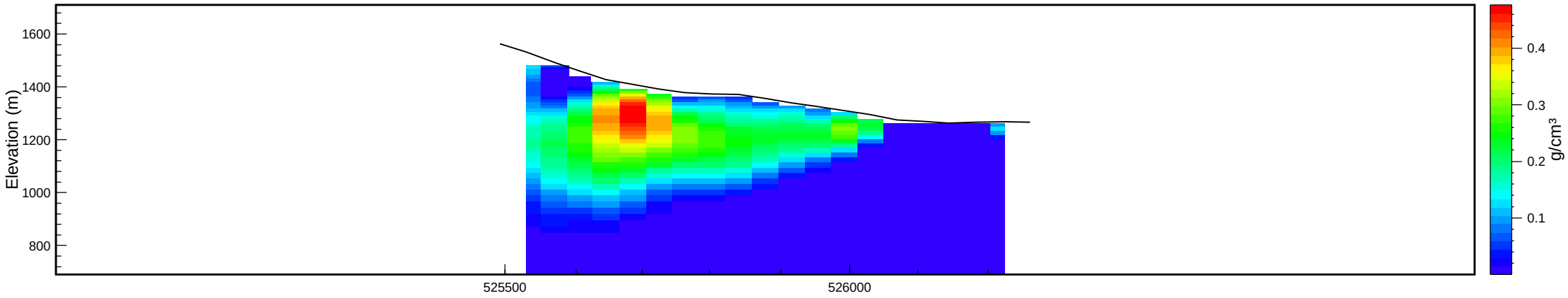
Puma - Bouguer Gravity (2.67 g/cc)



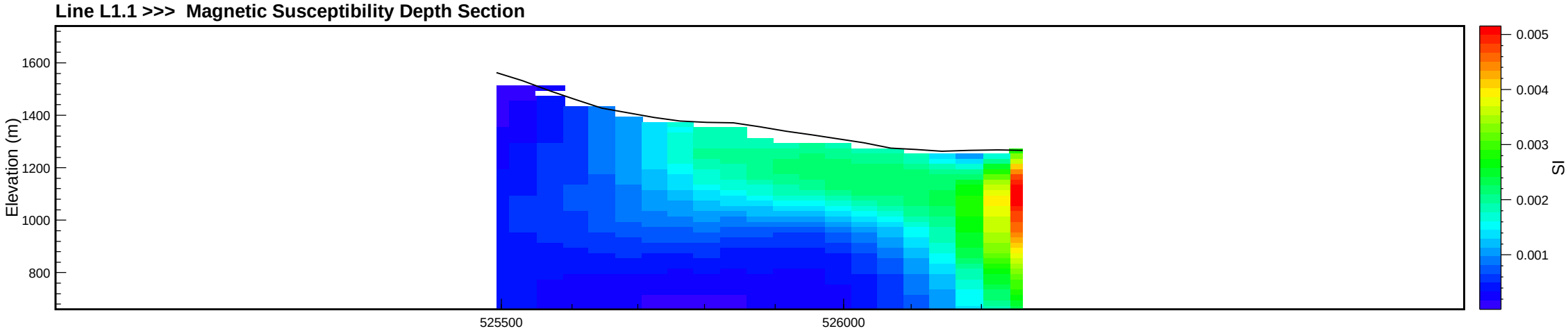
Puma - Digital Terrain Model



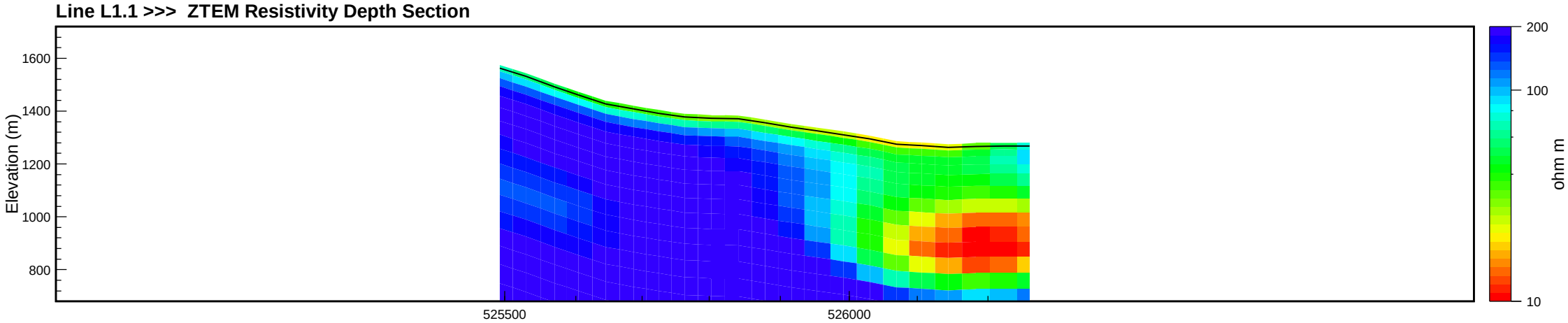
Line L1.1 >>> Bouguer Gravity Depth Section



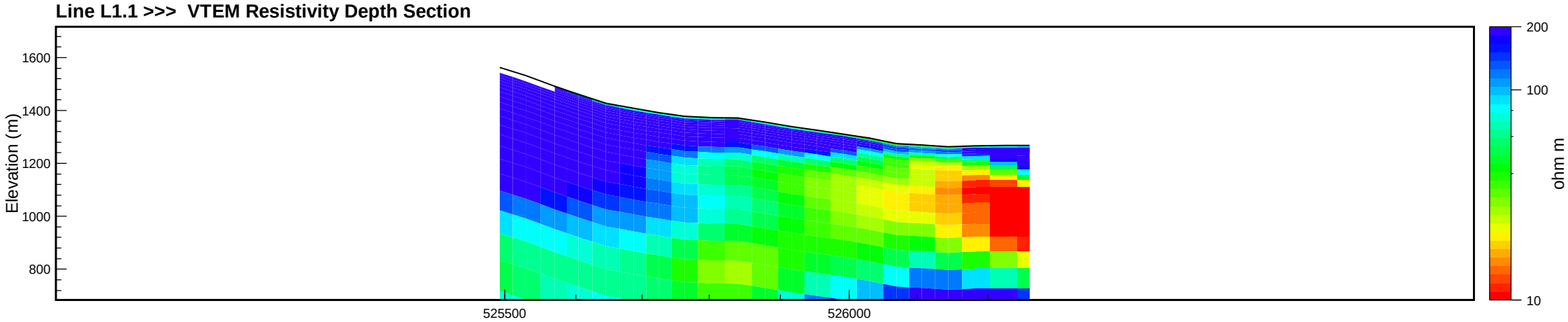
Line L1.1 >>> Magnetic Susceptibility Depth Section



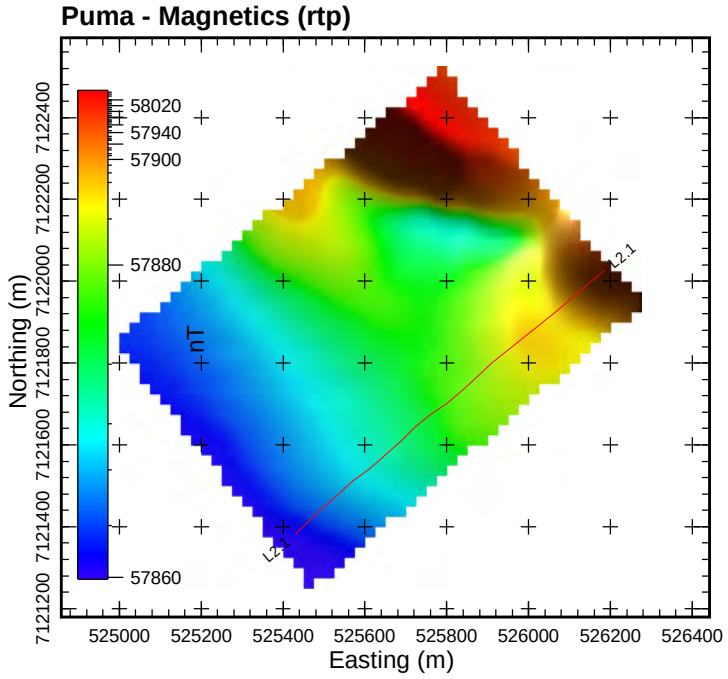
Line L1.1 >>> ZTEM Resistivity Depth Section



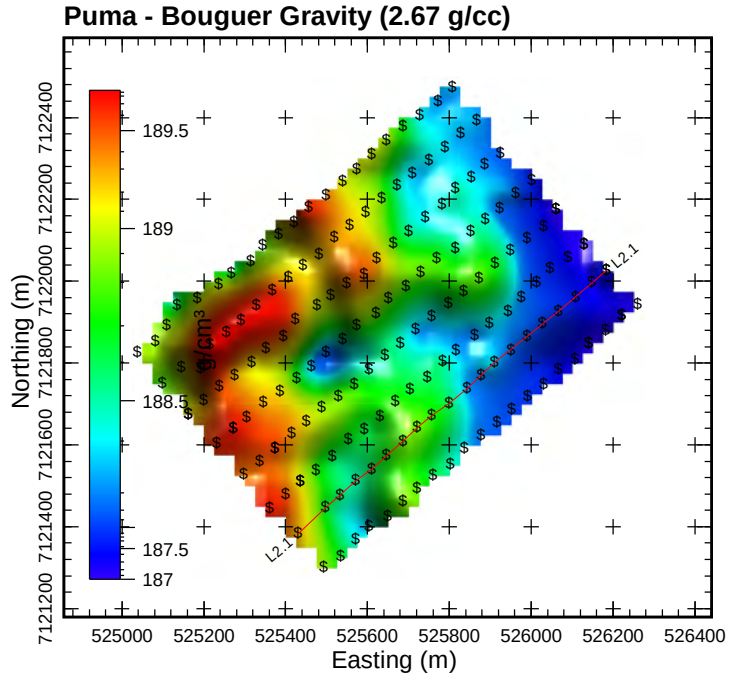
Line L1.1 >>> VTEM Resistivity Depth Section



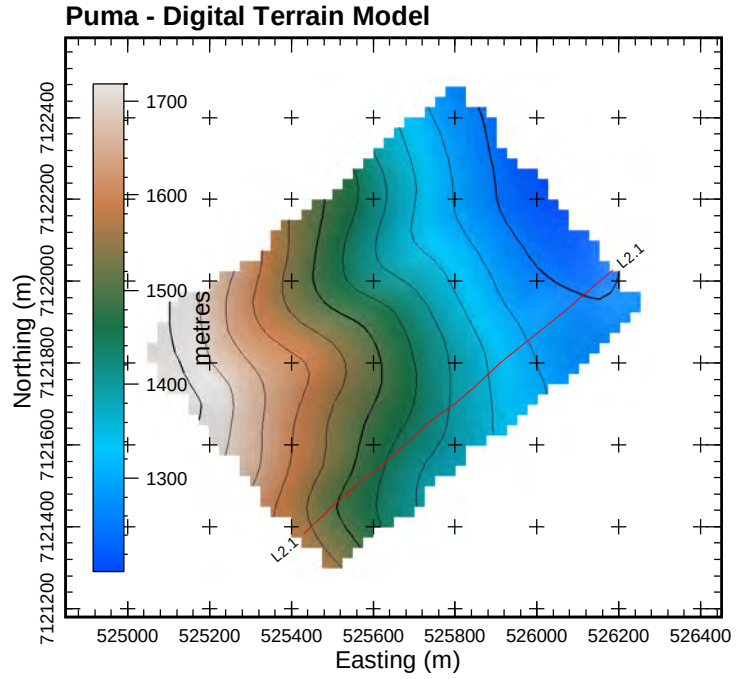
Puma - Magnetics (rtp)



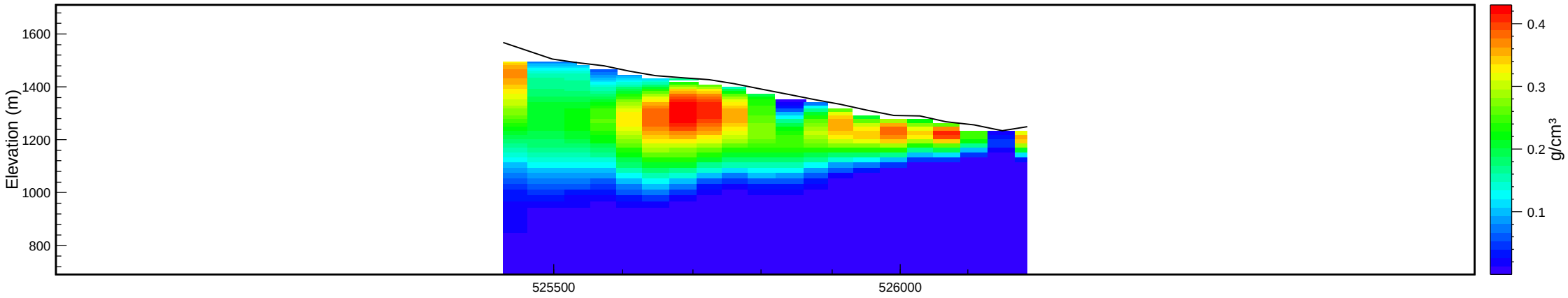
Puma - Bouguer Gravity (2.67 g/cc)



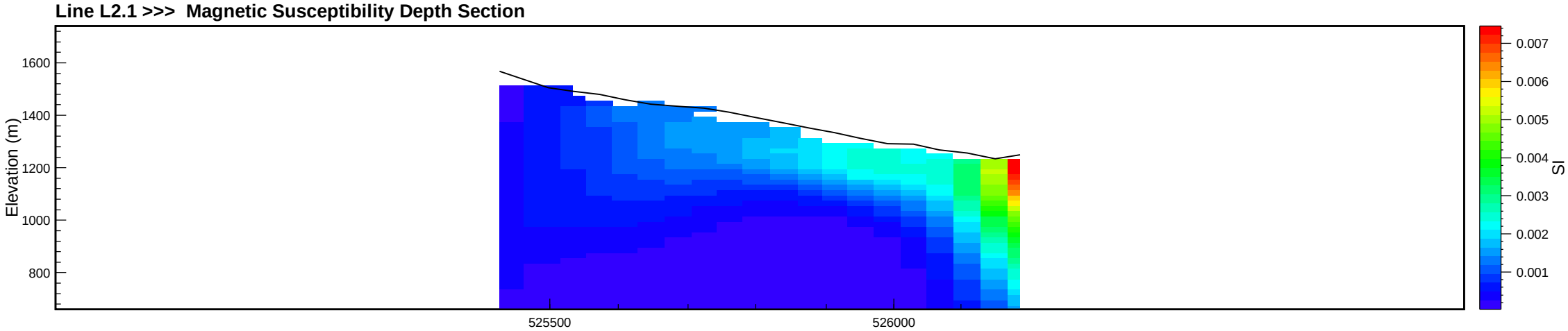
Puma - Digital Terrain Model



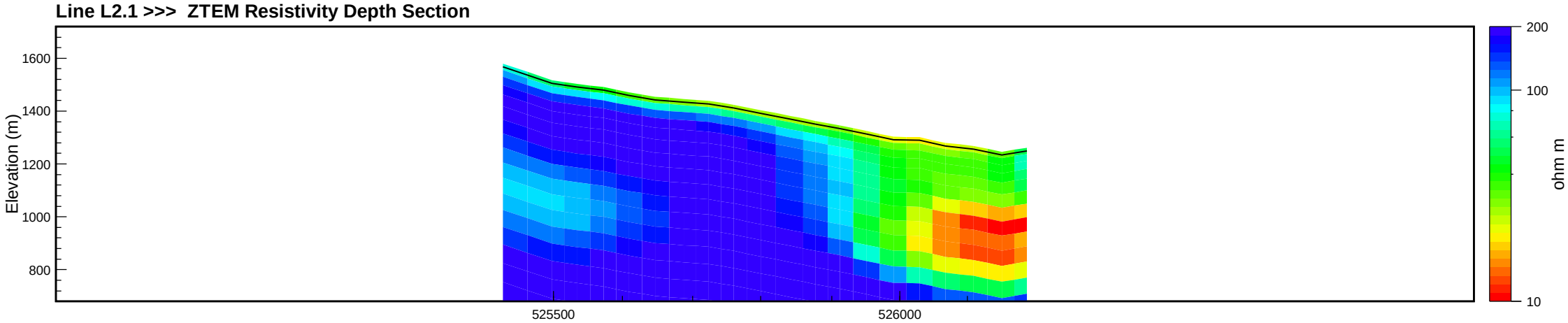
Line L2.1 >>> Bouguer Gravity Depth Section



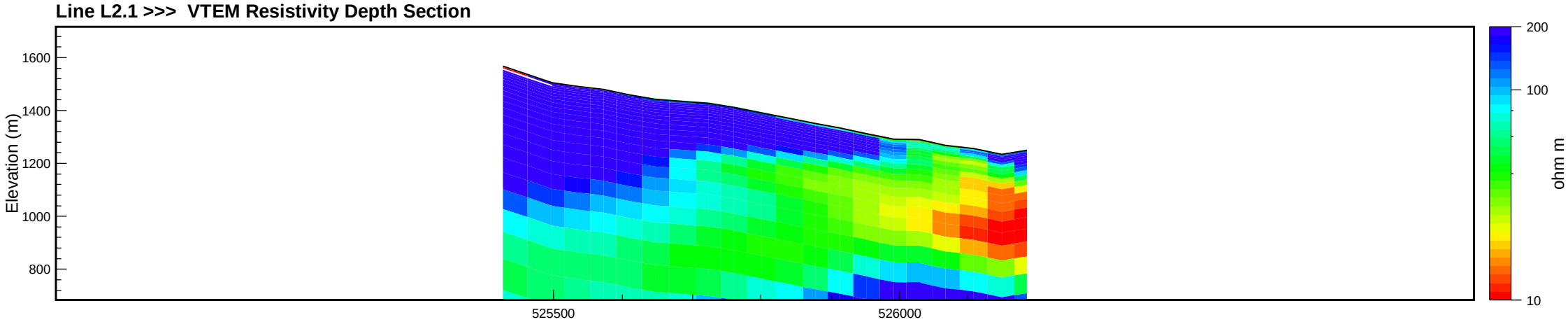
Line L2.1 >>> Magnetic Susceptibility Depth Section



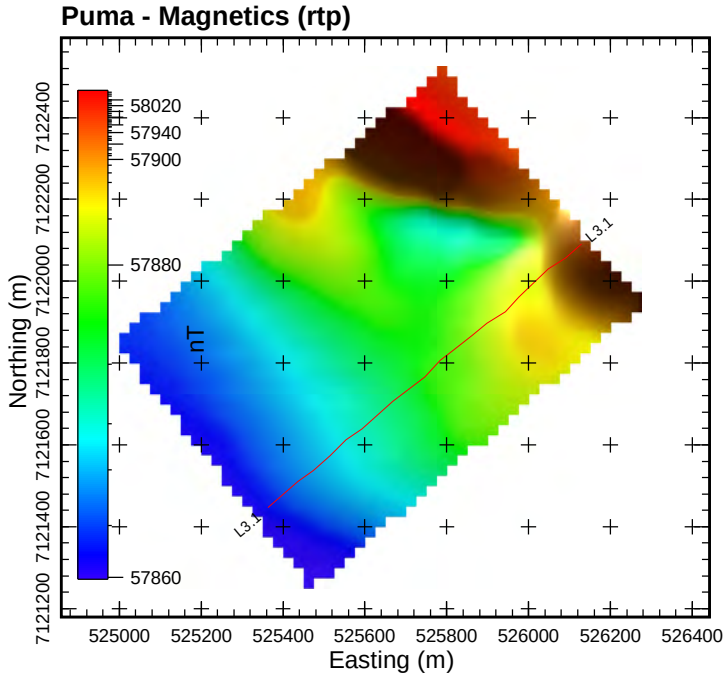
Line L2.1 >>> ZTEM Resistivity Depth Section



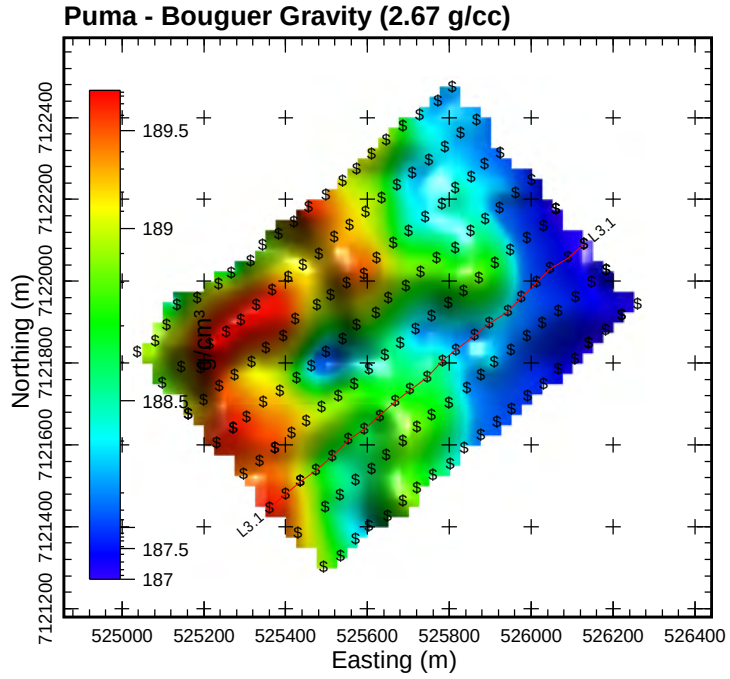
Line L2.1 >>> VTEM Resistivity Depth Section



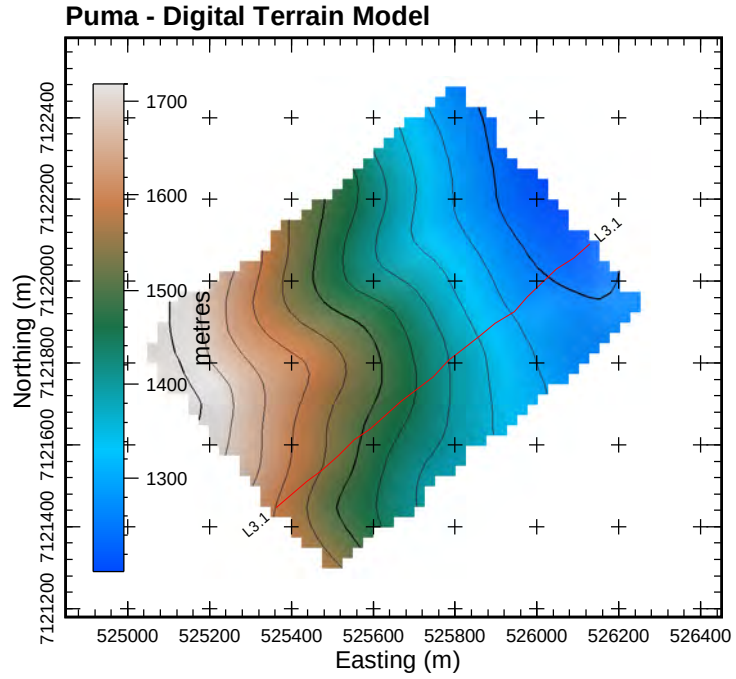
Puma - Magnetics (rtp)



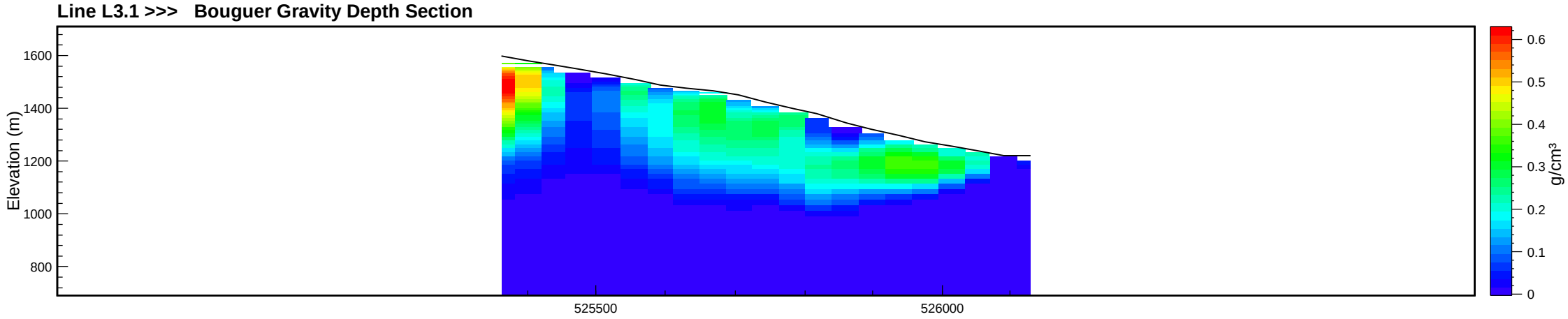
Puma - Bouguer Gravity (2.67 g/cc)



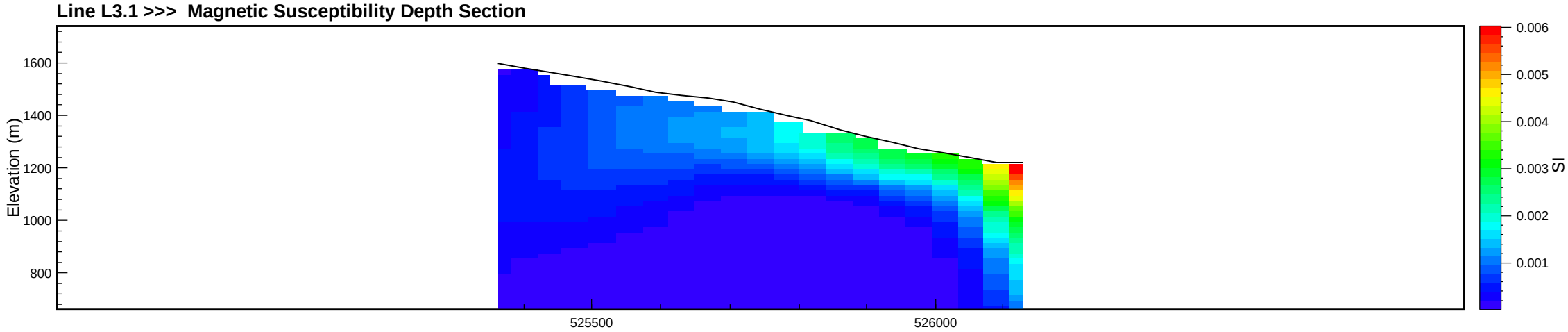
Puma - Digital Terrain Model



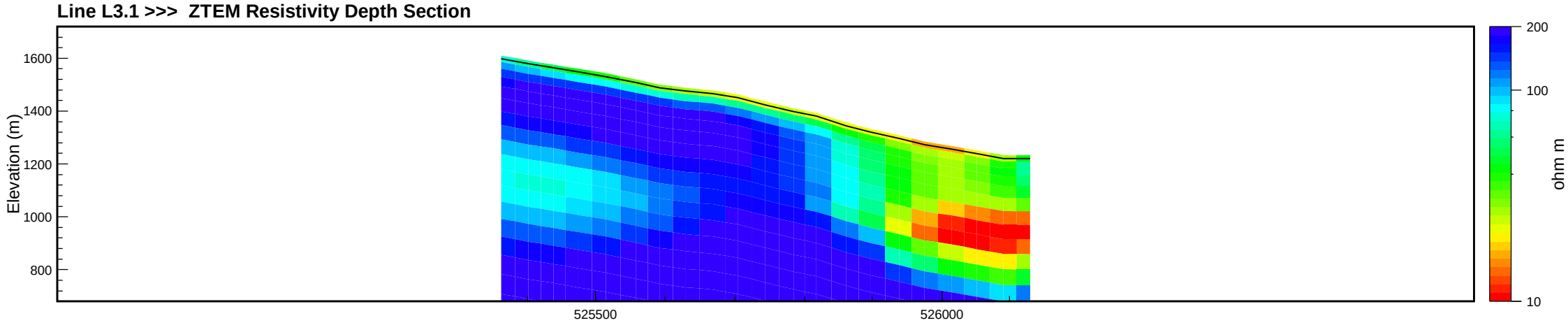
Line L3.1 >>> Bouguer Gravity Depth Section



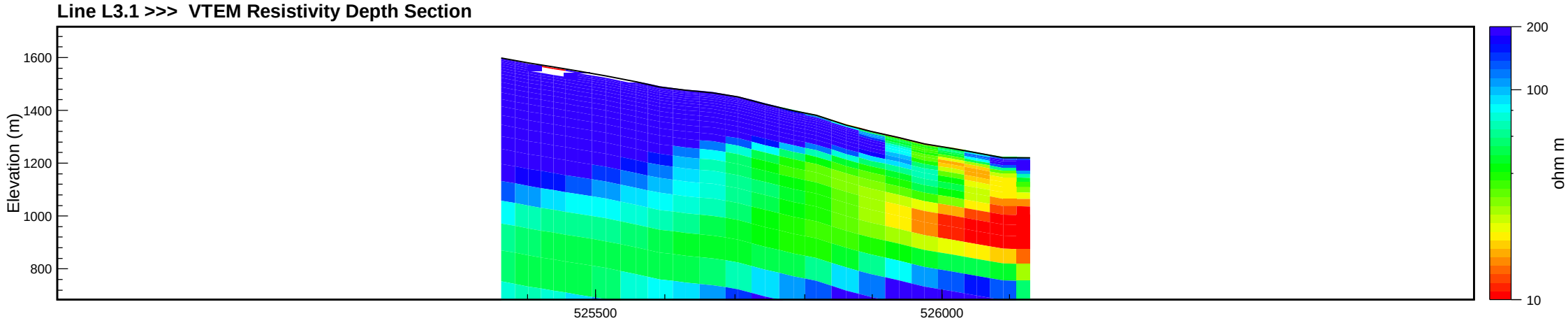
Line L3.1 >>> Magnetic Susceptibility Depth Section



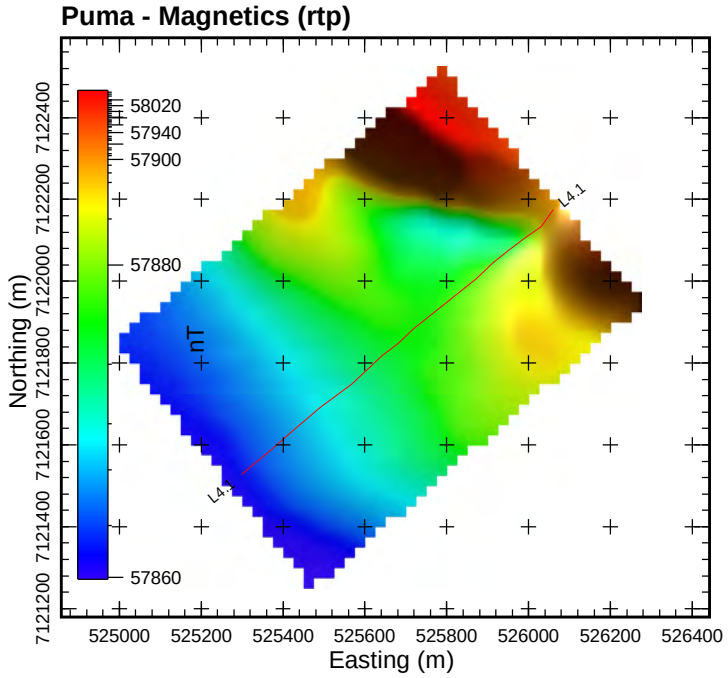
Line L3.1 >>> ZTEM Resistivity Depth Section



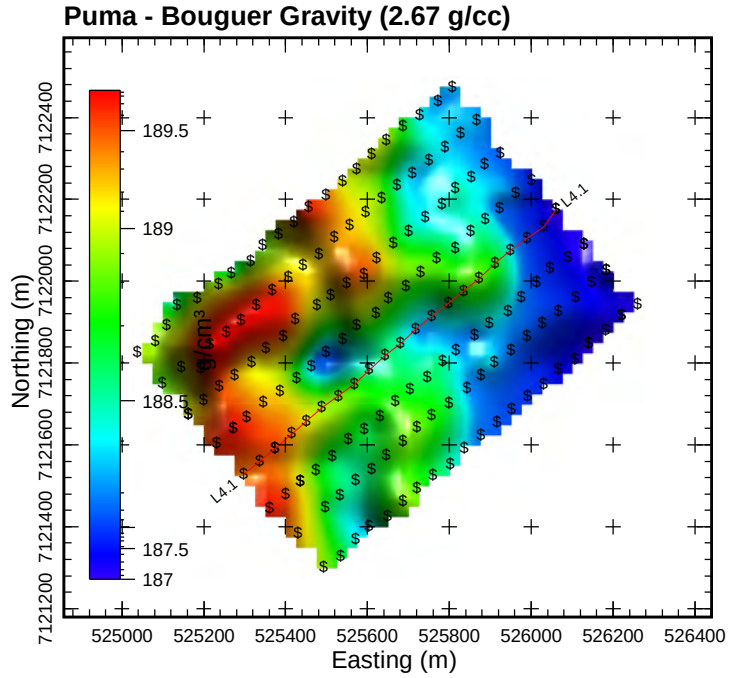
Line L3.1 >>> VTEM Resistivity Depth Section



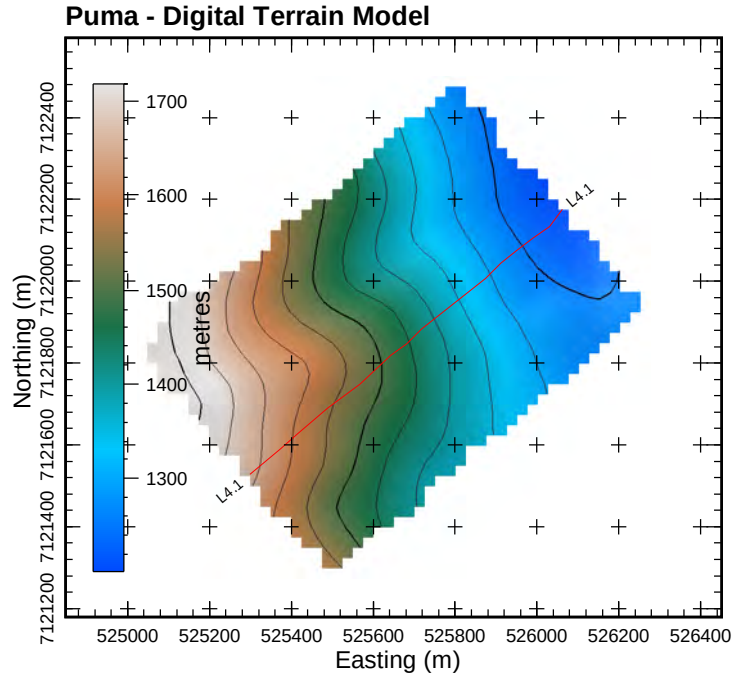
Puma - Magnetics (rtp)



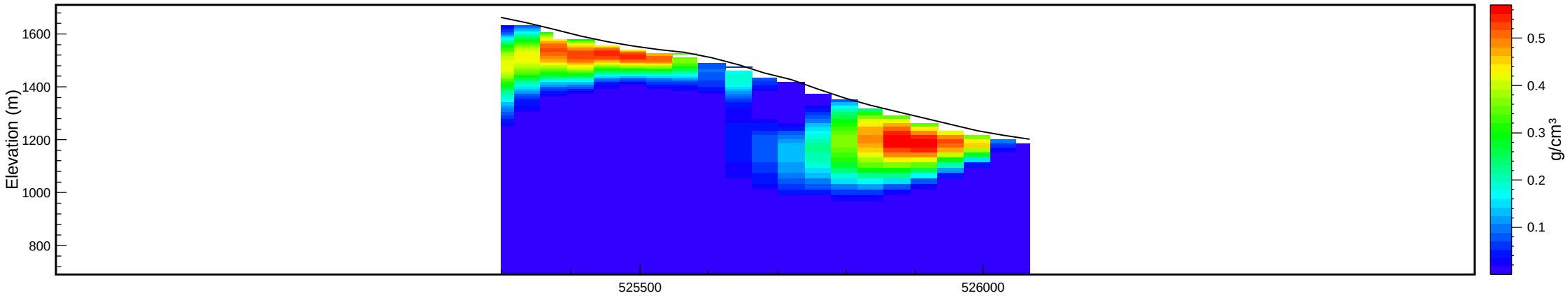
Puma - Bouguer Gravity (2.67 g/cc)



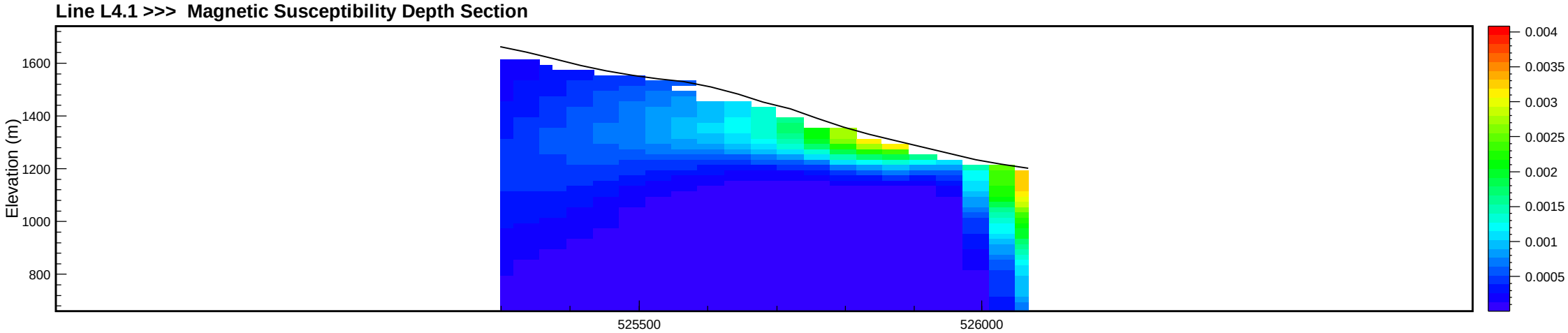
Puma - Digital Terrain Model



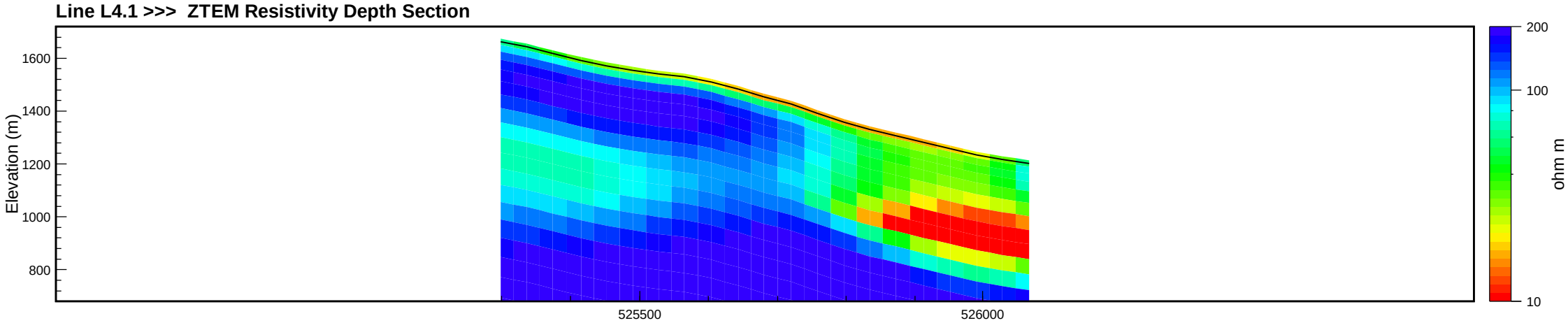
Line L4.1 >>> Bouguer Gravity Depth Section



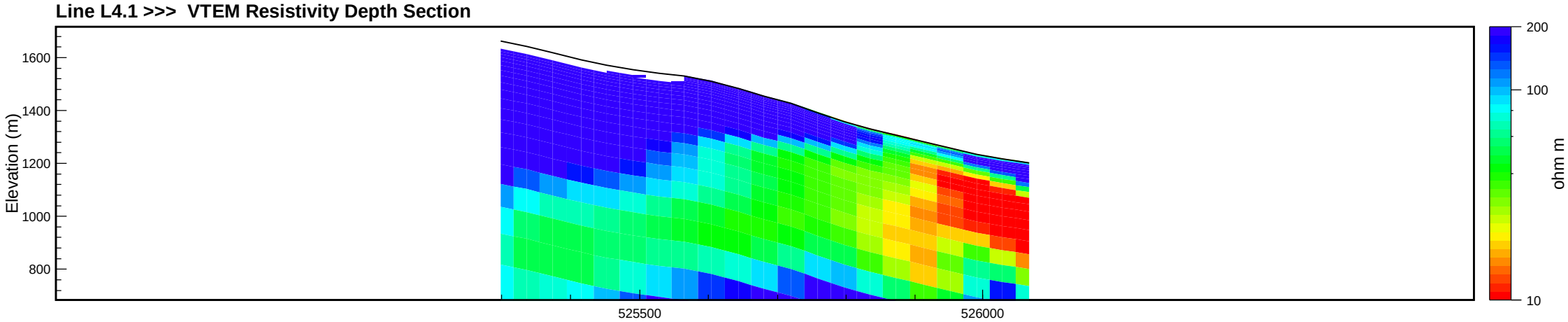
Line L4.1 >>> Magnetic Susceptibility Depth Section



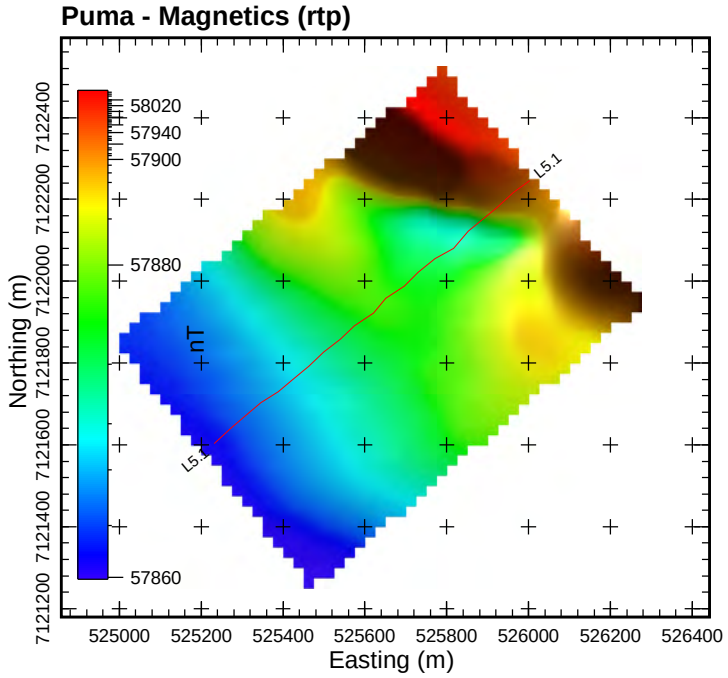
Line L4.1 >>> ZTEM Resistivity Depth Section



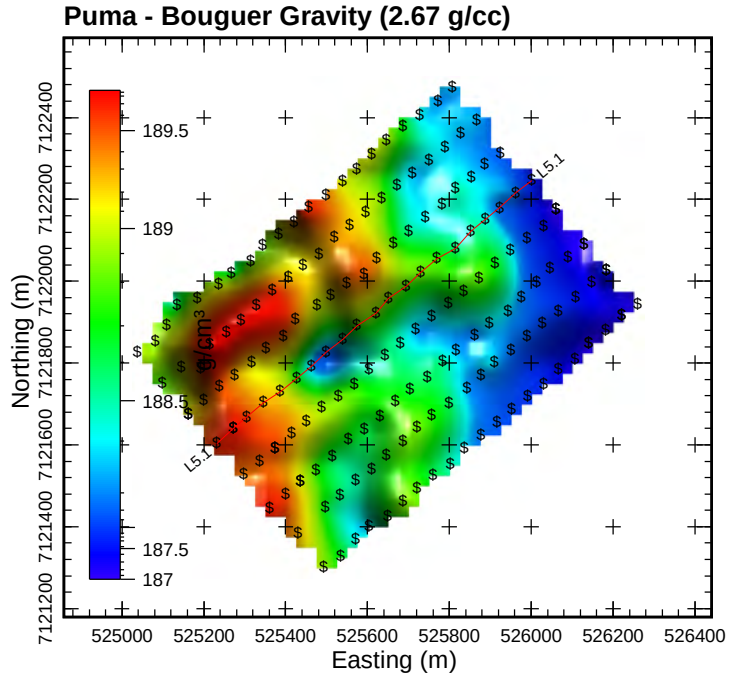
Line L4.1 >>> VTEM Resistivity Depth Section



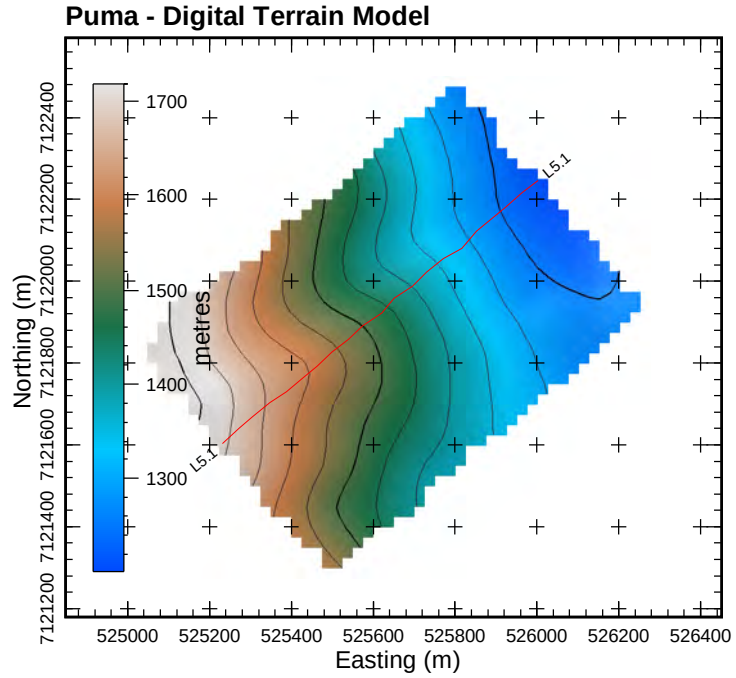
Puma - Magnetics (rtp)



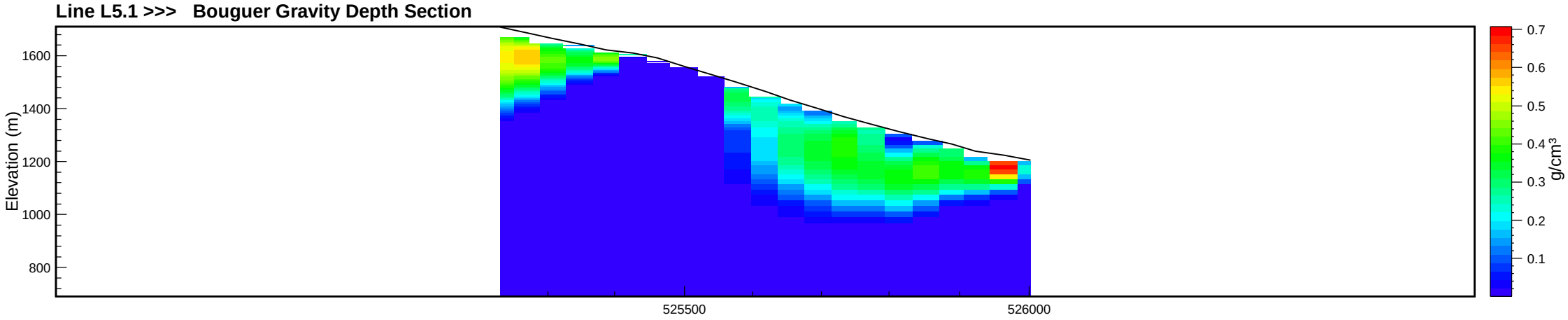
Puma - Bouguer Gravity (2.67 g/cc)



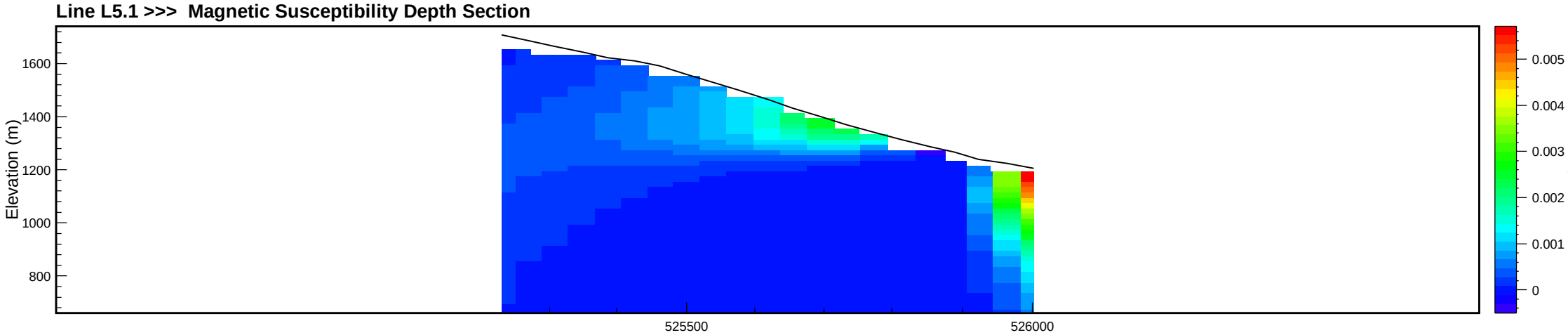
Puma - Digital Terrain Model



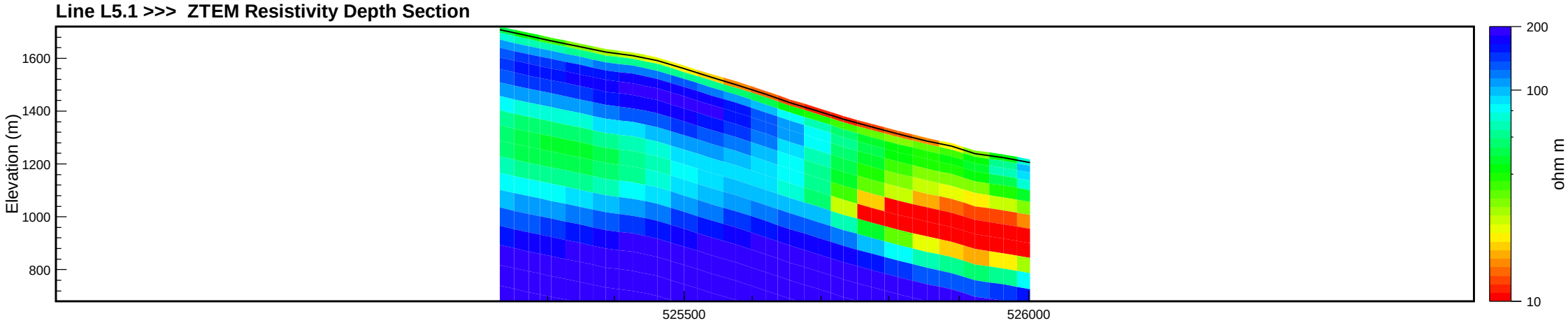
Line L5.1 >>> Bouguer Gravity Depth Section



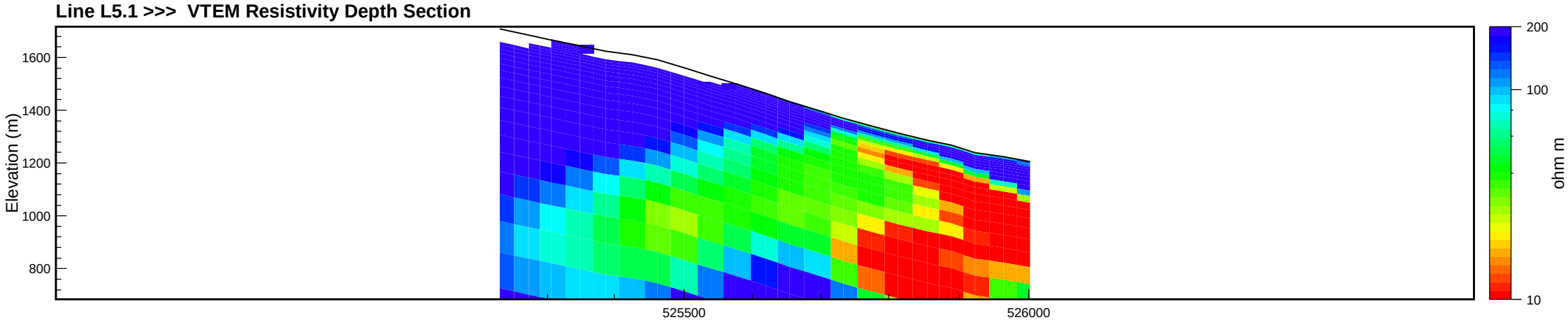
Line L5.1 >>> Magnetic Susceptibility Depth Section



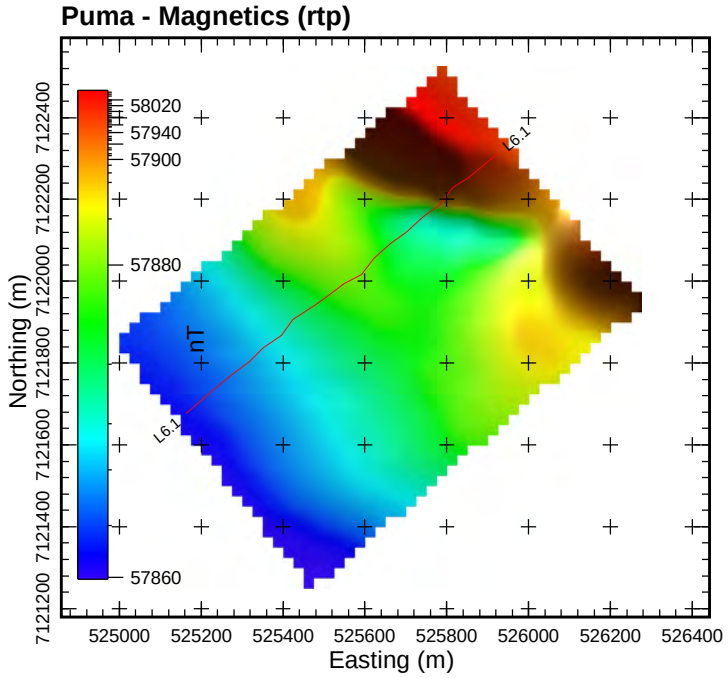
Line L5.1 >>> ZTEM Resistivity Depth Section



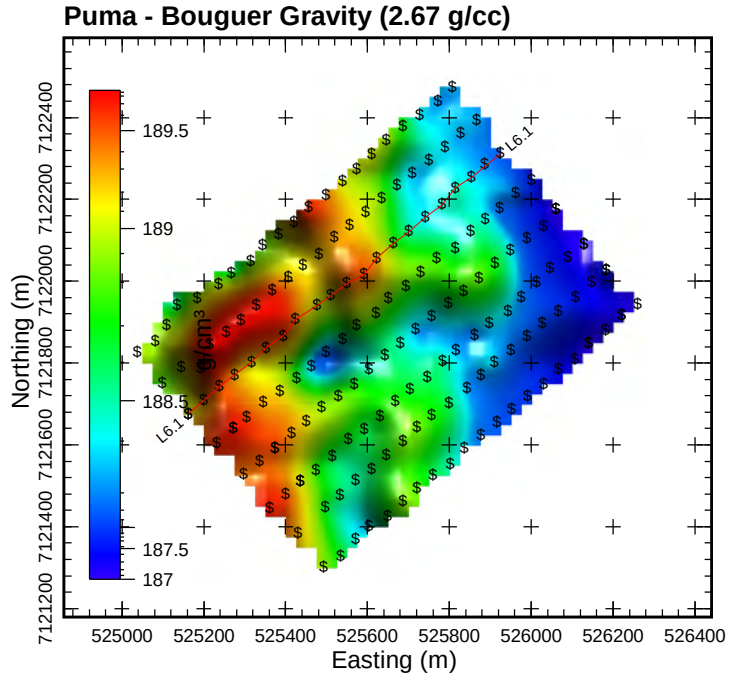
Line L5.1 >>> VTEM Resistivity Depth Section



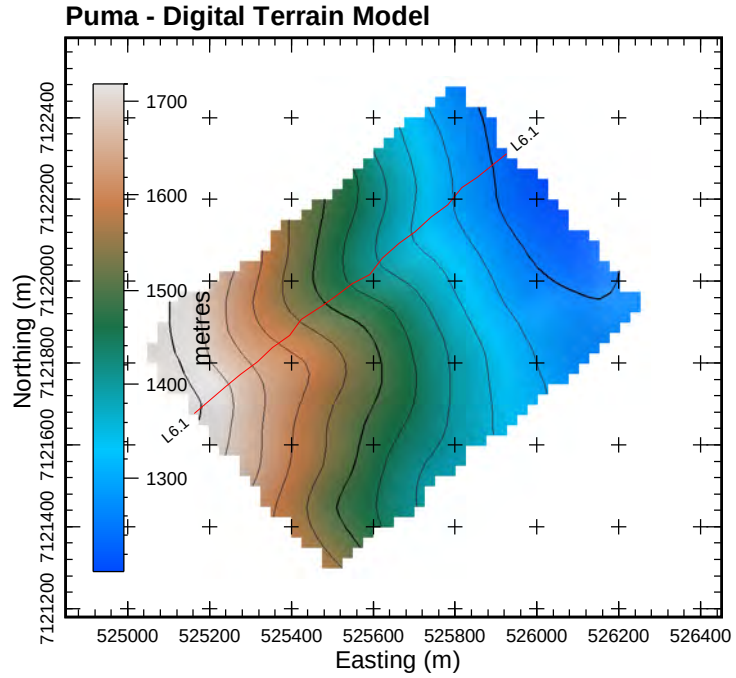
Puma - Magnetics (rtp)



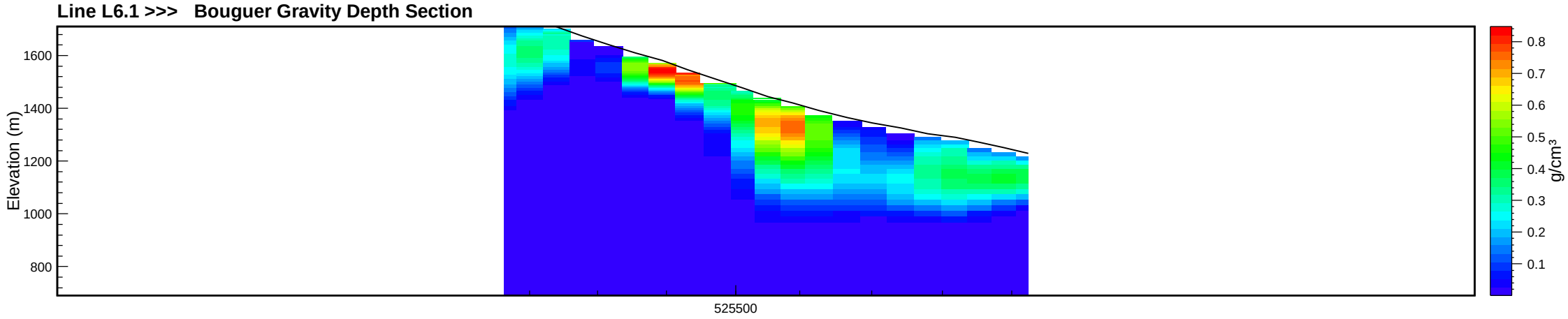
Puma - Bouguer Gravity (2.67 g/cc)



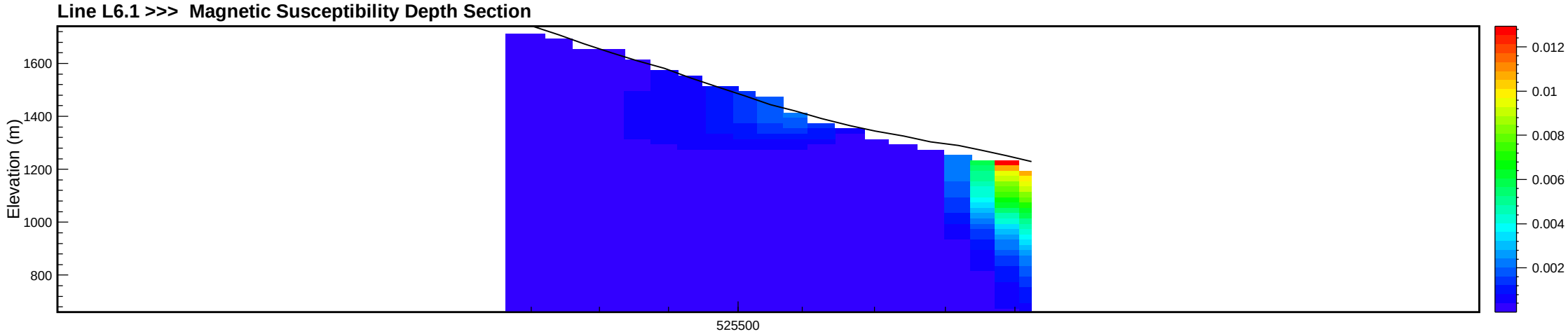
Puma - Digital Terrain Model



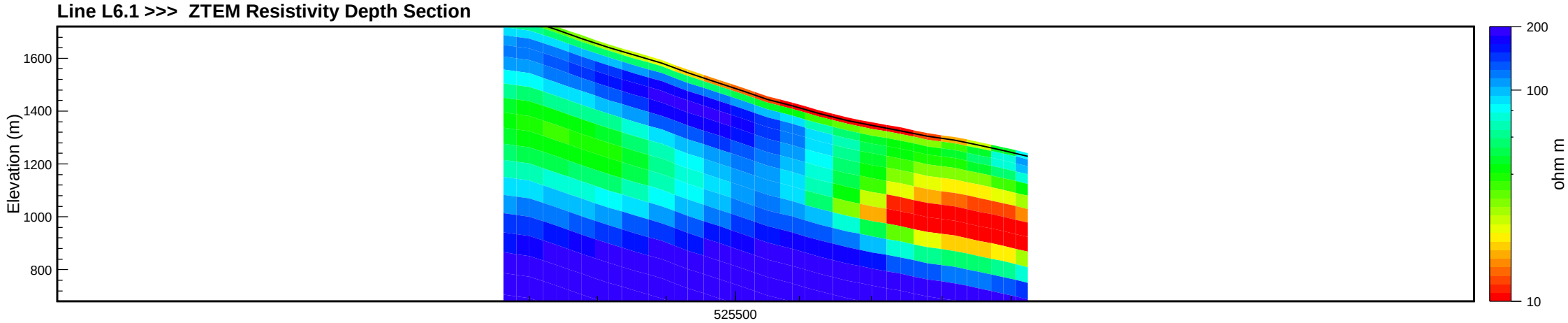
Line L6.1 >>> Bouguer Gravity Depth Section



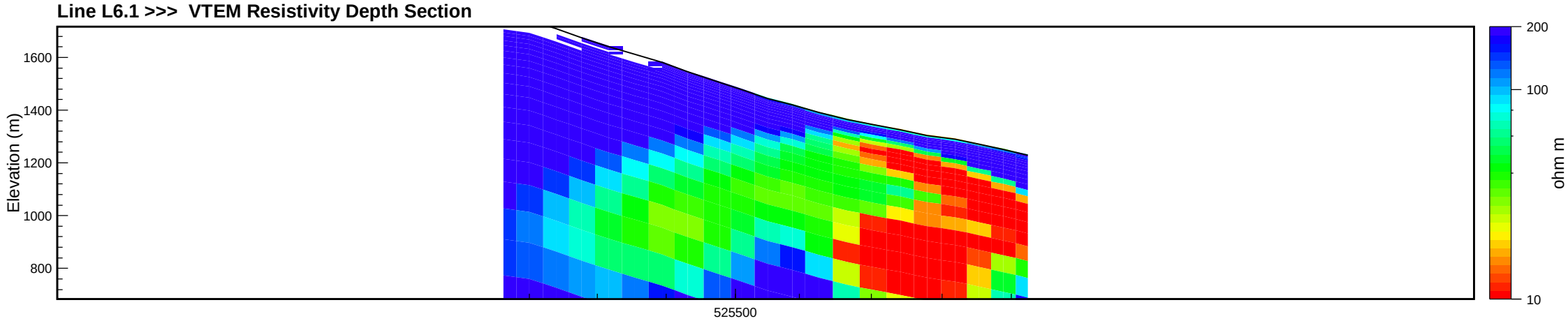
Line L6.1 >>> Magnetic Susceptibility Depth Section



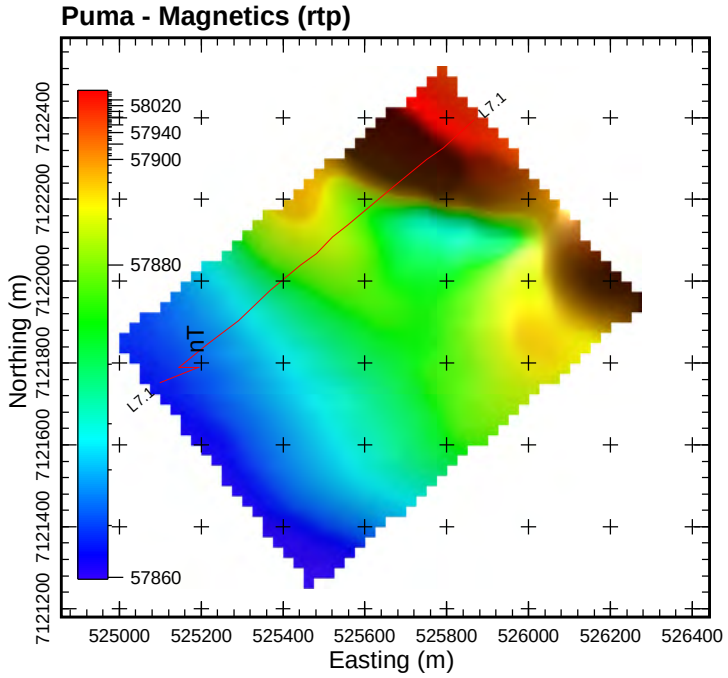
Line L6.1 >>> ZTEM Resistivity Depth Section



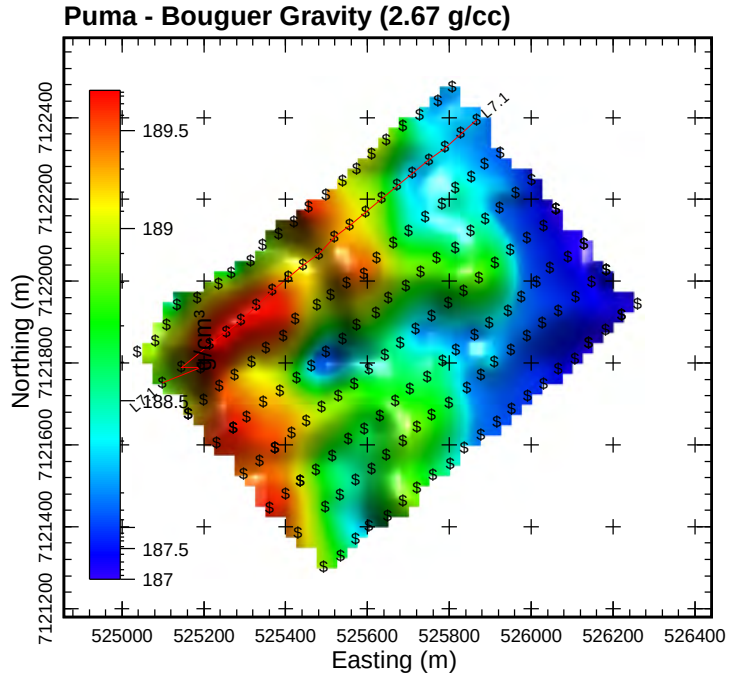
Line L6.1 >>> VTEM Resistivity Depth Section



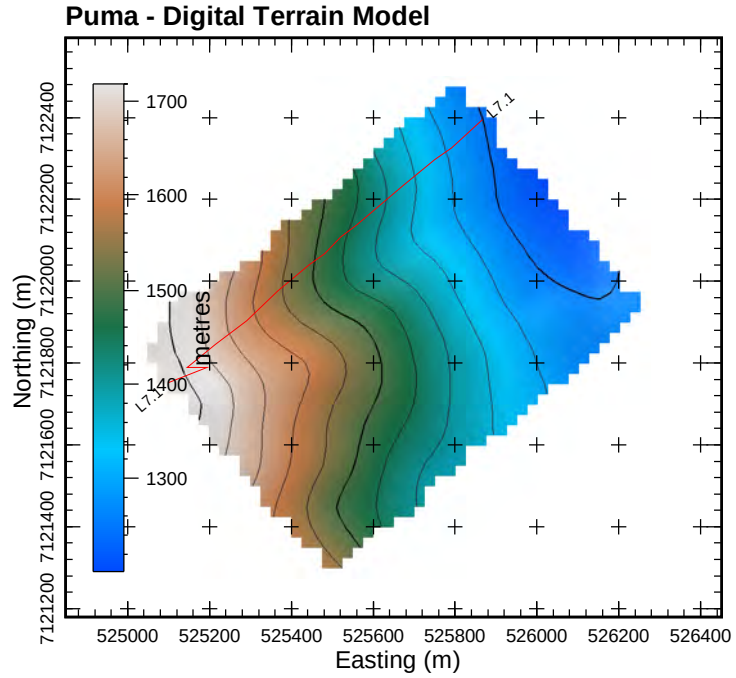
Puma - Magnetics (rtp)



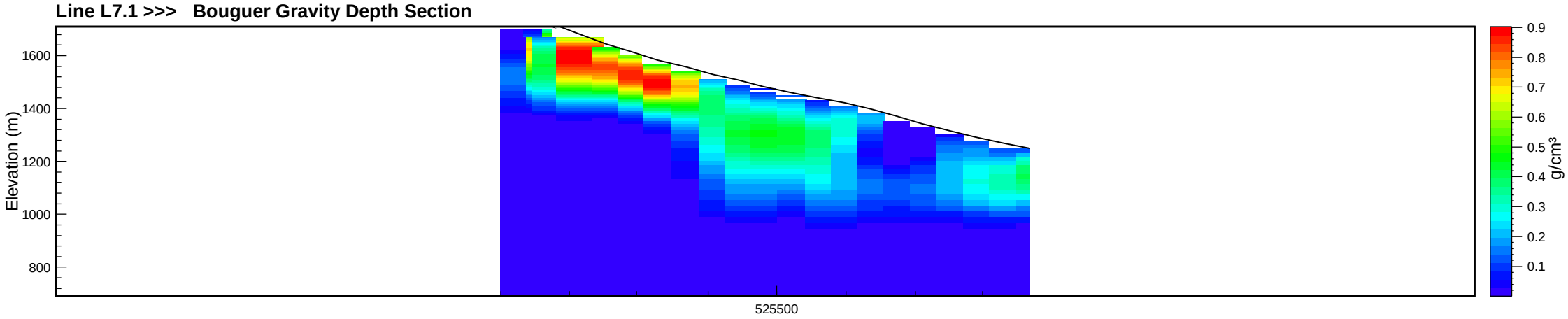
Puma - Bouguer Gravity (2.67 g/cc)



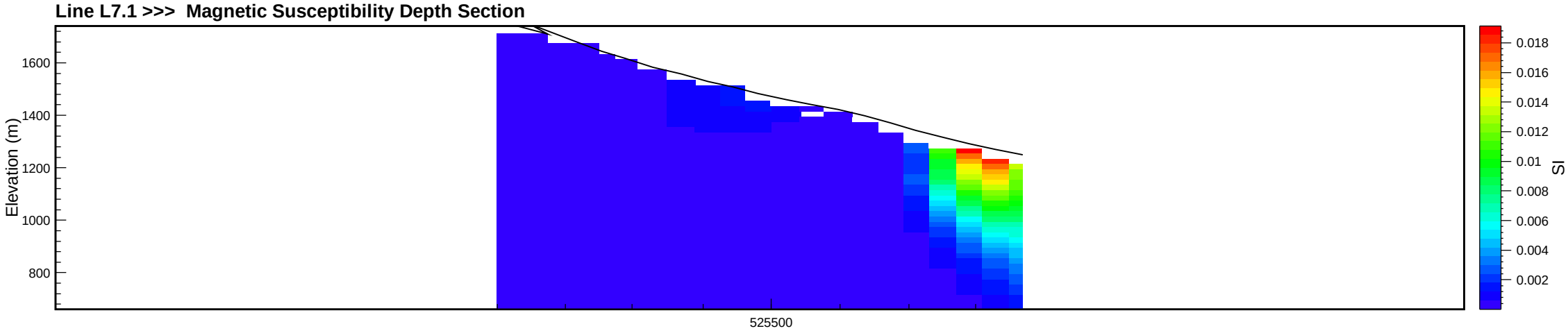
Puma - Digital Terrain Model



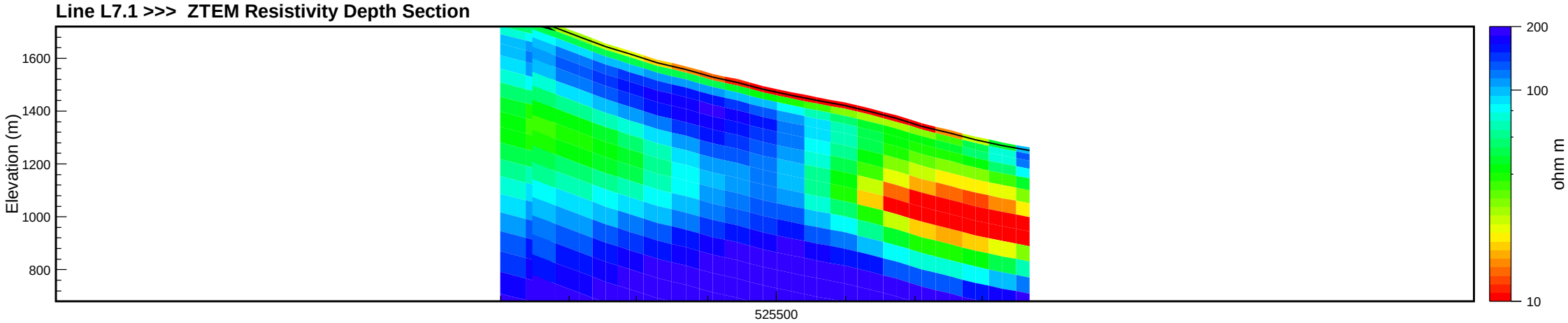
Line L7.1 >>> Bouguer Gravity Depth Section



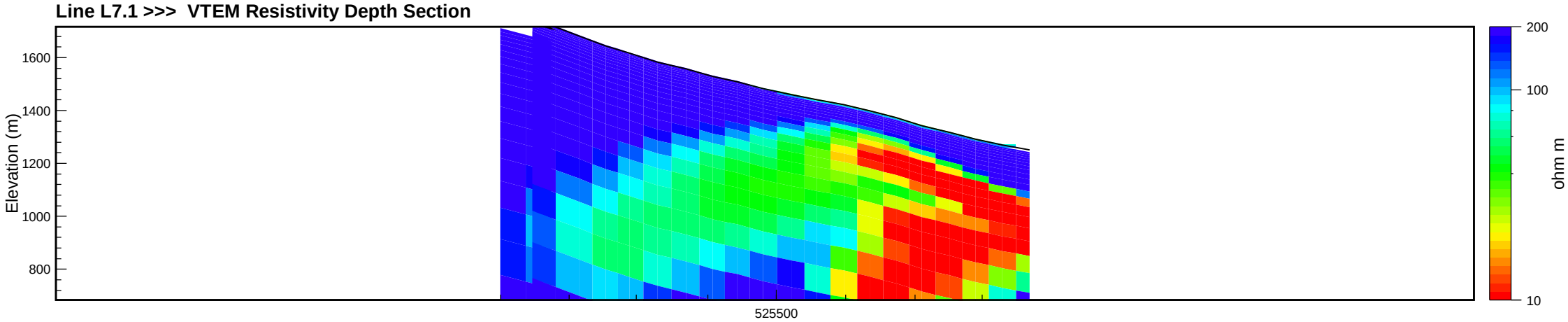
Line L7.1 >>> Magnetic Susceptibility Depth Section



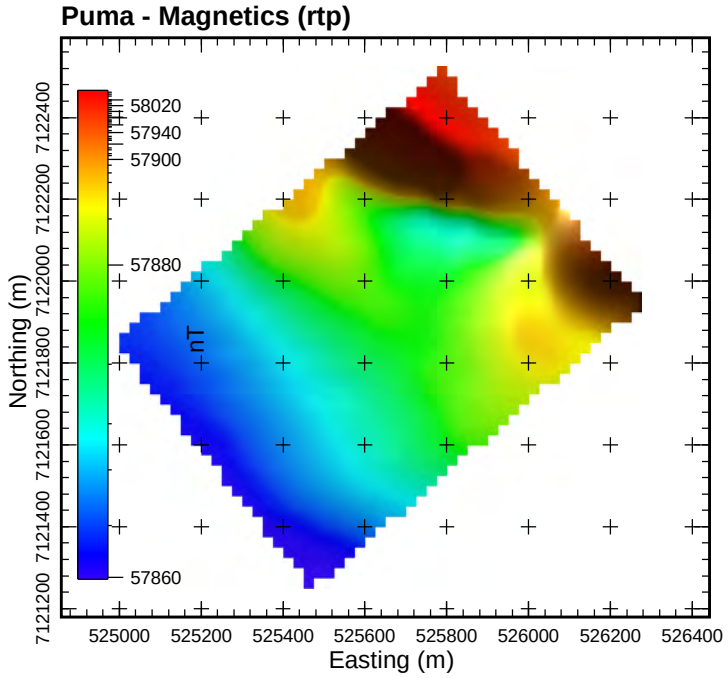
Line L7.1 >>> ZTEM Resistivity Depth Section



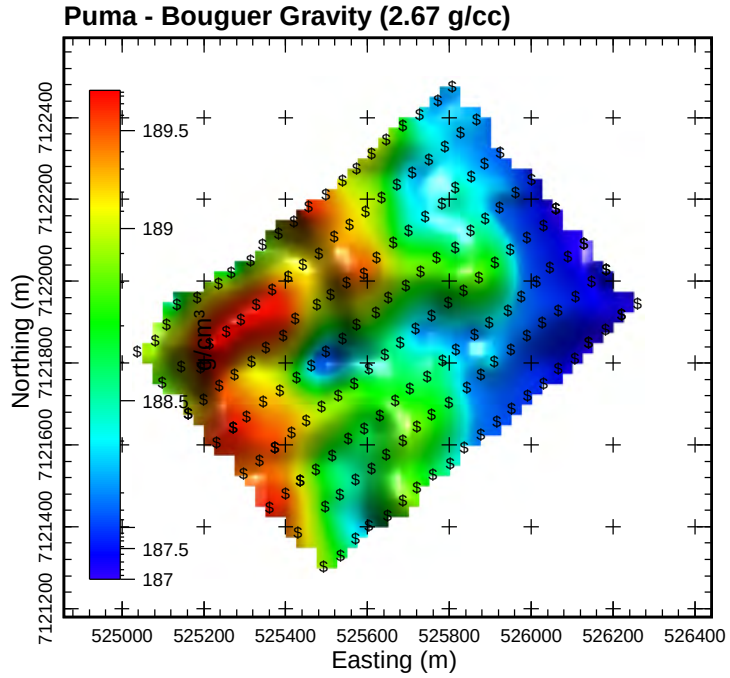
Line L7.1 >>> VTEM Resistivity Depth Section



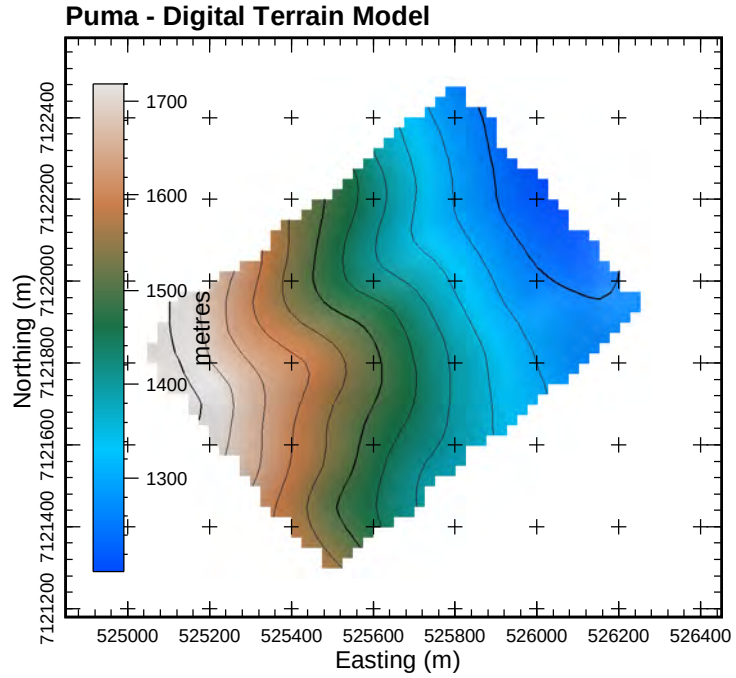
Puma - Magnetics (rtp)



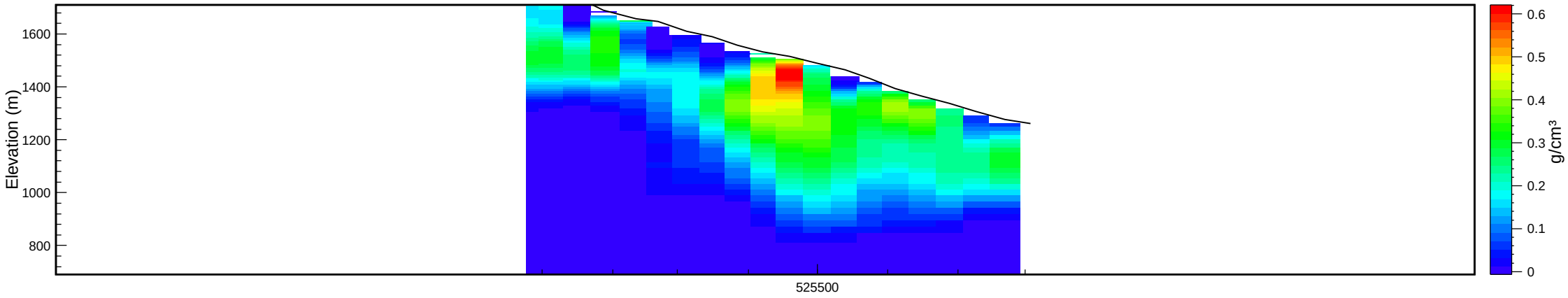
Puma - Bouguer Gravity (2.67 g/cc)



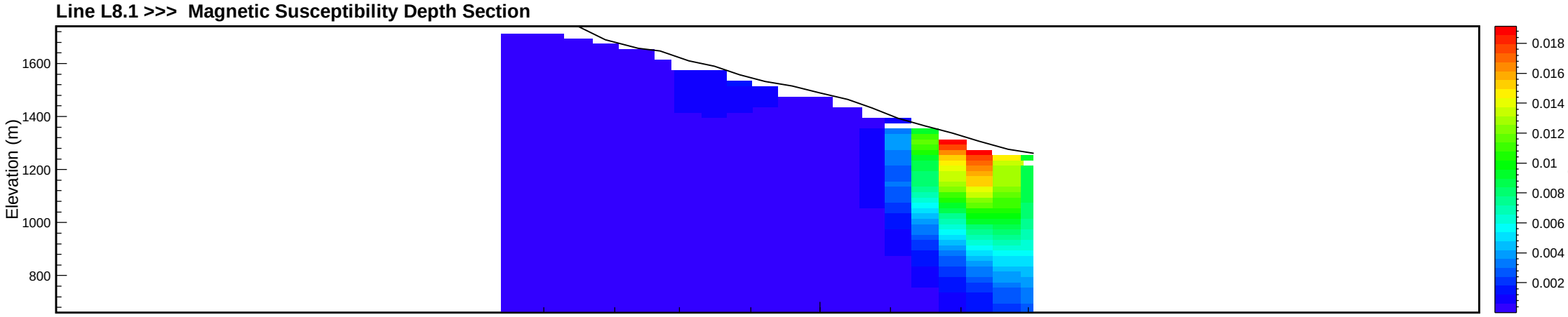
Puma - Digital Terrain Model



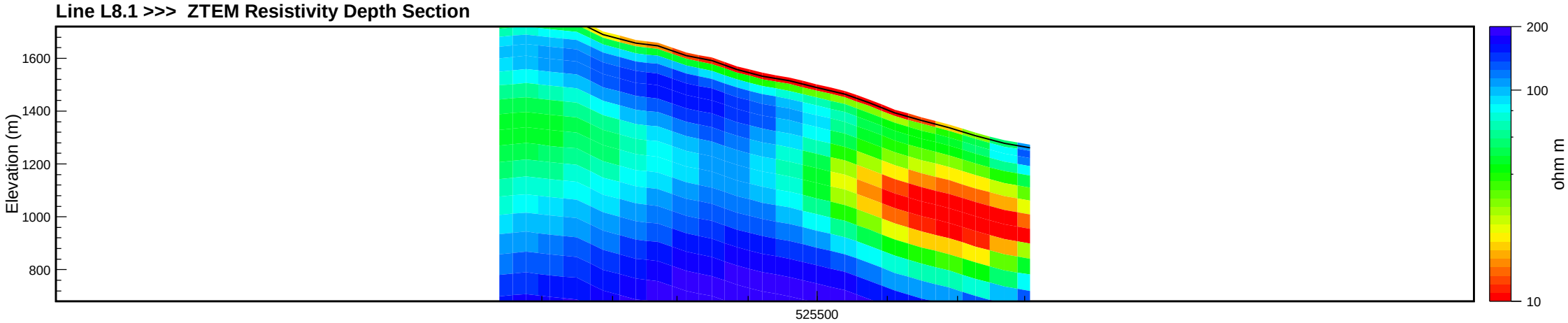
Line L8.1 >>> Bouguer Gravity Depth Section



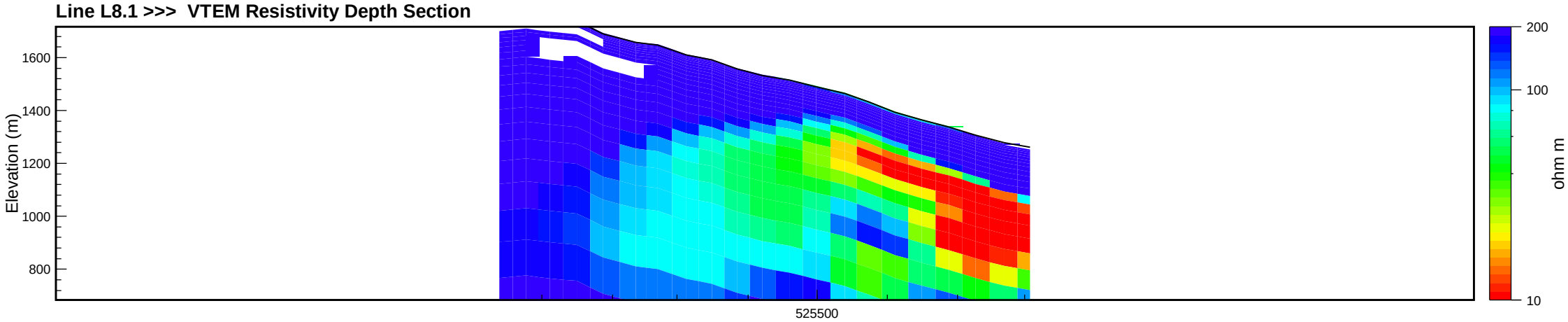
Line L8.1 >>> Magnetic Susceptibility Depth Section



Line L8.1 >>> ZTEM Resistivity Depth Section



Line L8.1 >>> VTEM Resistivity Depth Section



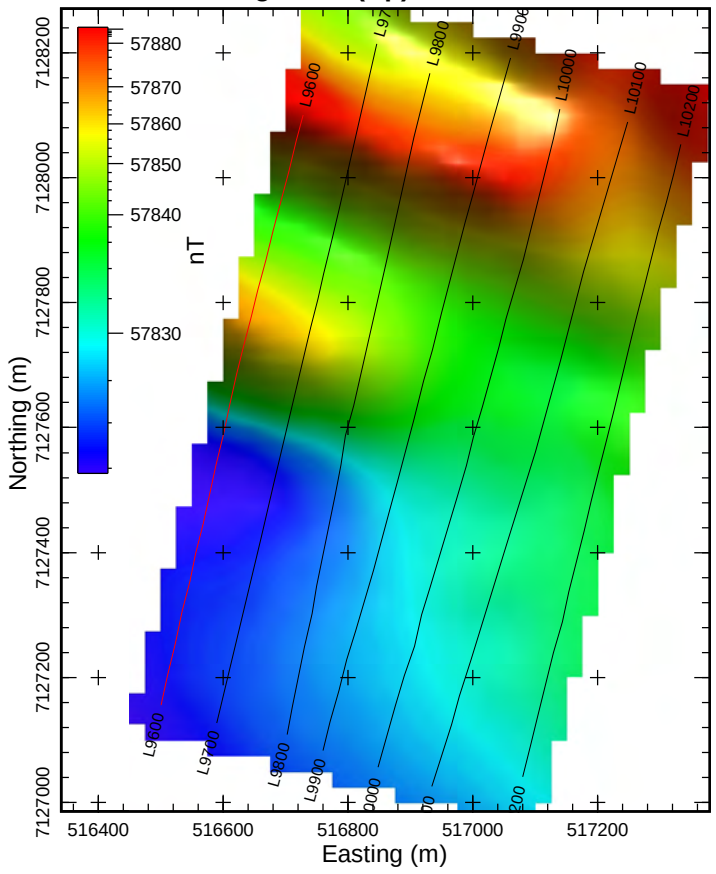
F4: EL GRID MULTIPLOTS

Lines 9600, 9700, 9800, 9900, 10000, 10100 and 10200

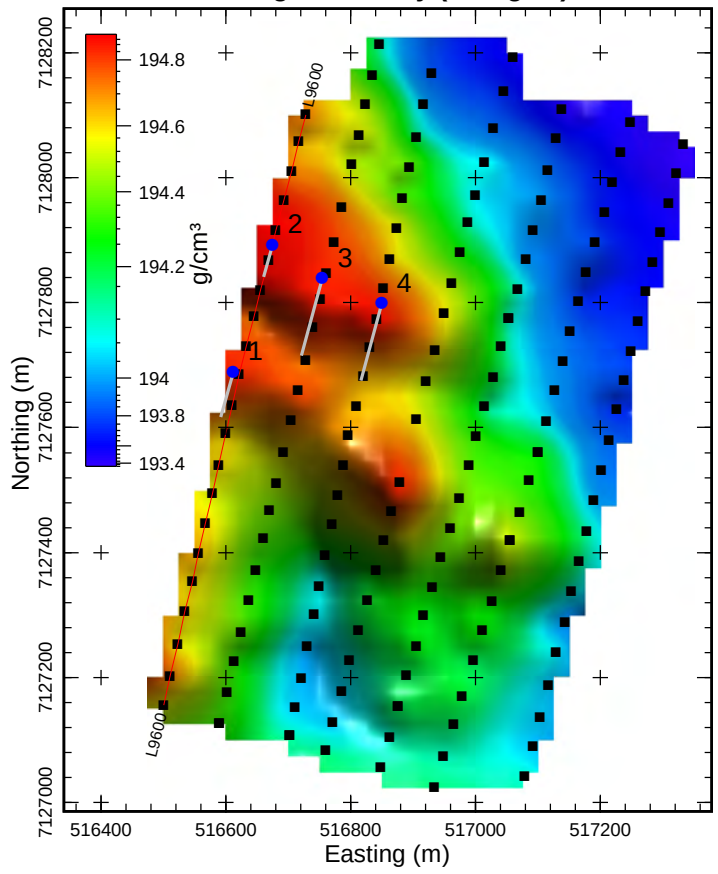
SECTIONS:

- Gravity from voxel model
- Magnetic susceptibility from voxel model of VTEM magnetics
- ZTEM conductivity from voxel model
- VTEM conductivity from voxel model
- Condor modeled resistivity from Aurora IP survey
- Condor modeled Chargeability from Aurora IP survey

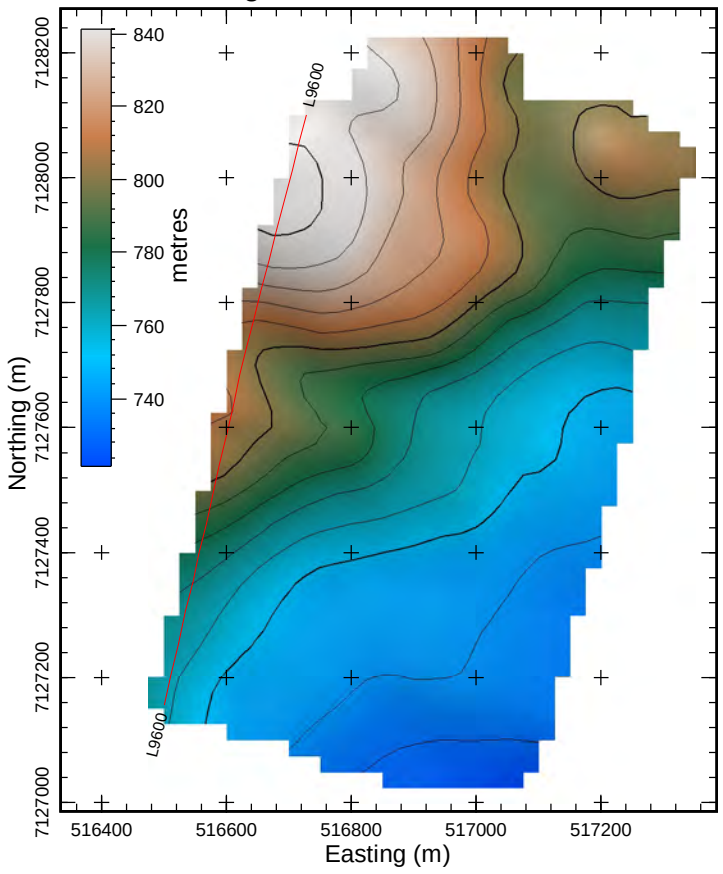
El Gossan - Magnetics (rtp)



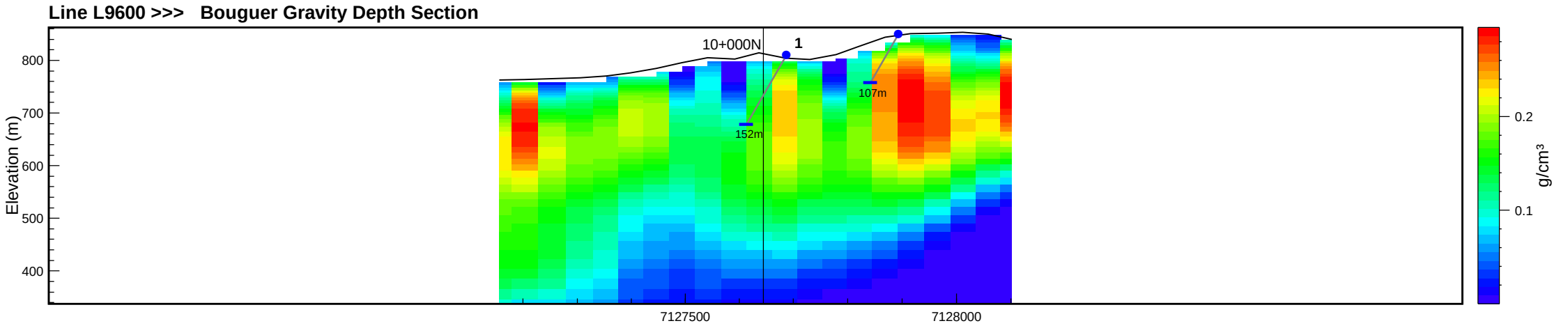
El Gossan - Bouguer Gravity (2.67 g/cc)



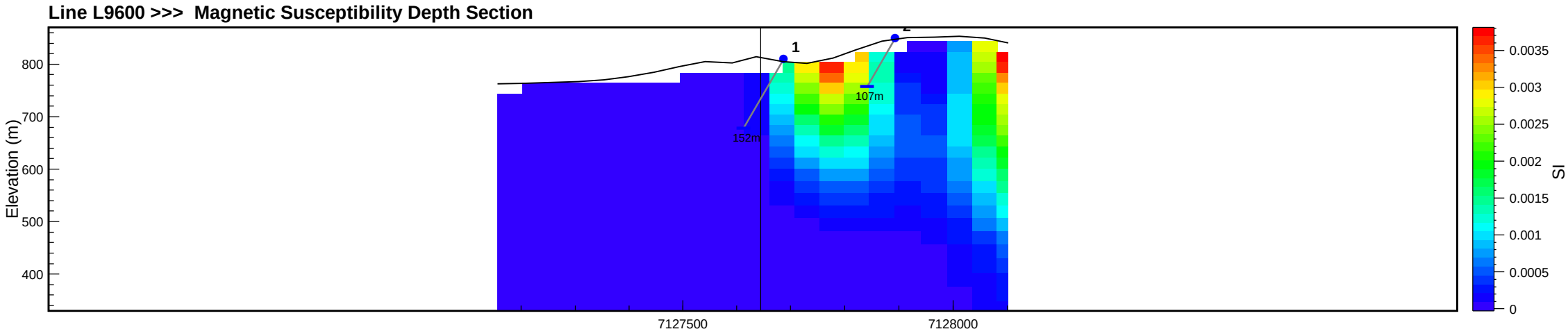
El Gossan - Digital Terrain Model



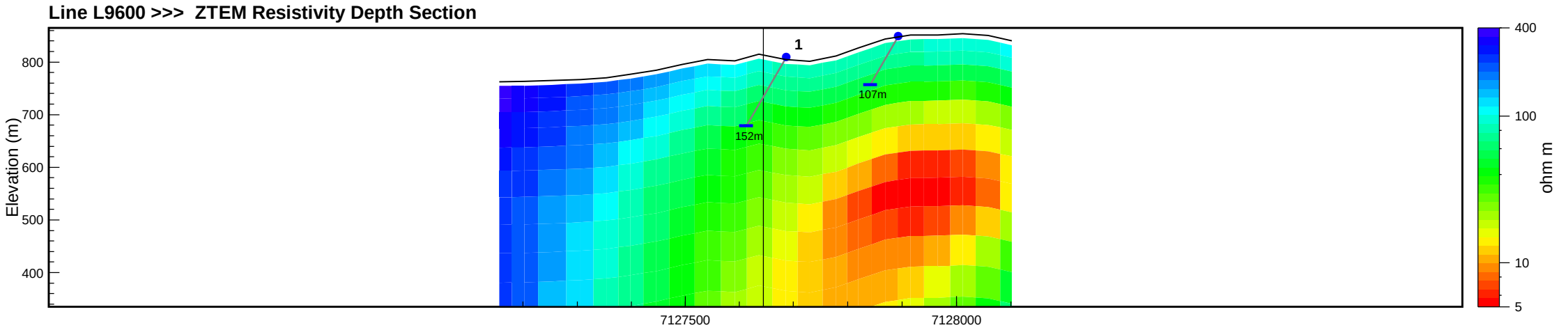
Line L9600 >>> Bouguer Gravity Depth Section



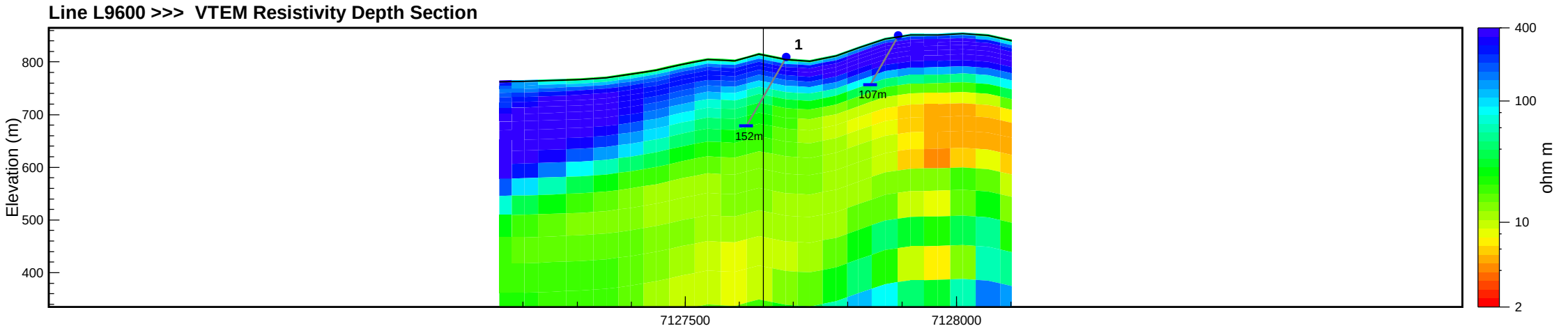
Line L9600 >>> Magnetic Susceptibility Depth Section



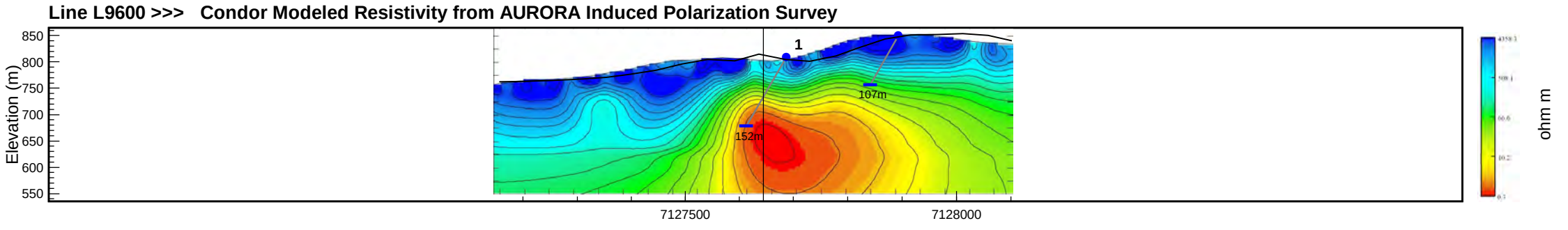
Line L9600 >>> ZTEM Resistivity Depth Section



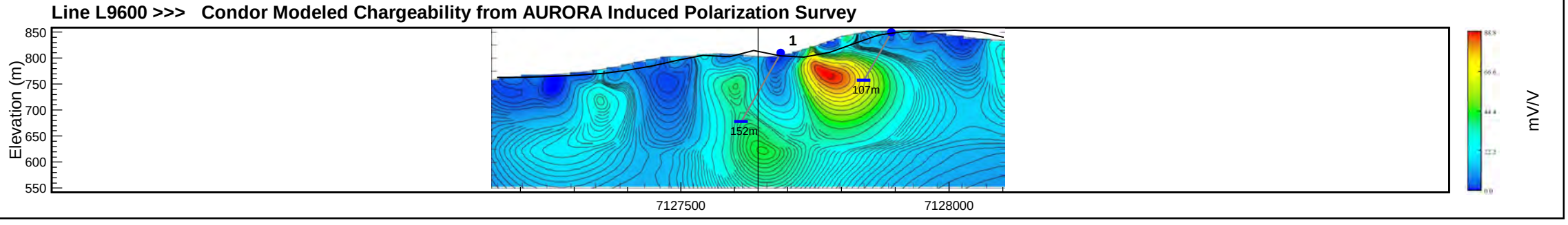
Line L9600 >>> VTEM Resistivity Depth Section



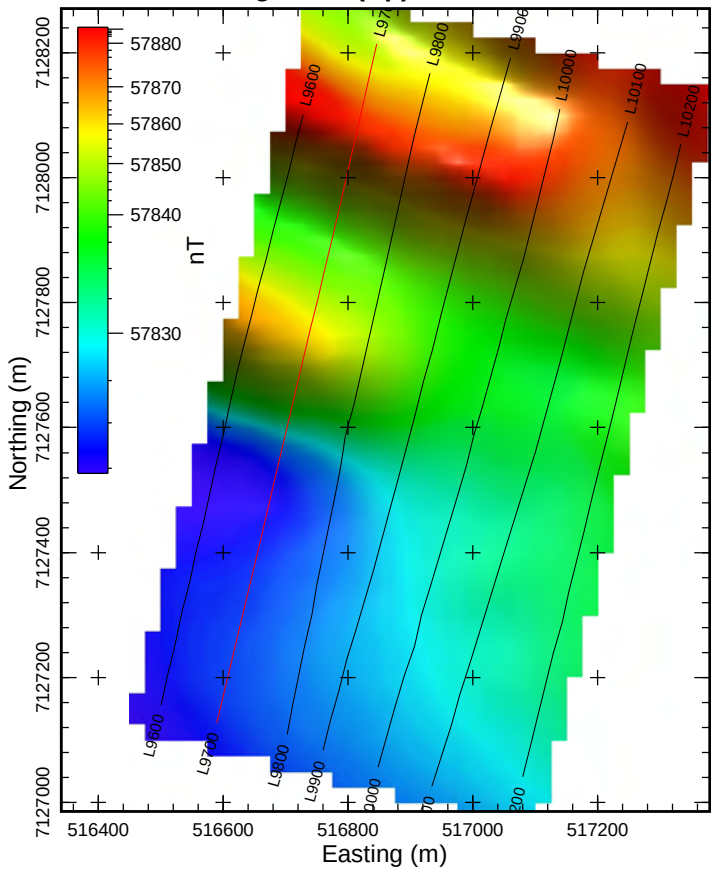
Line L9600 >>> Condor Modeled Resistivity from AURORA Induced Polarization Survey



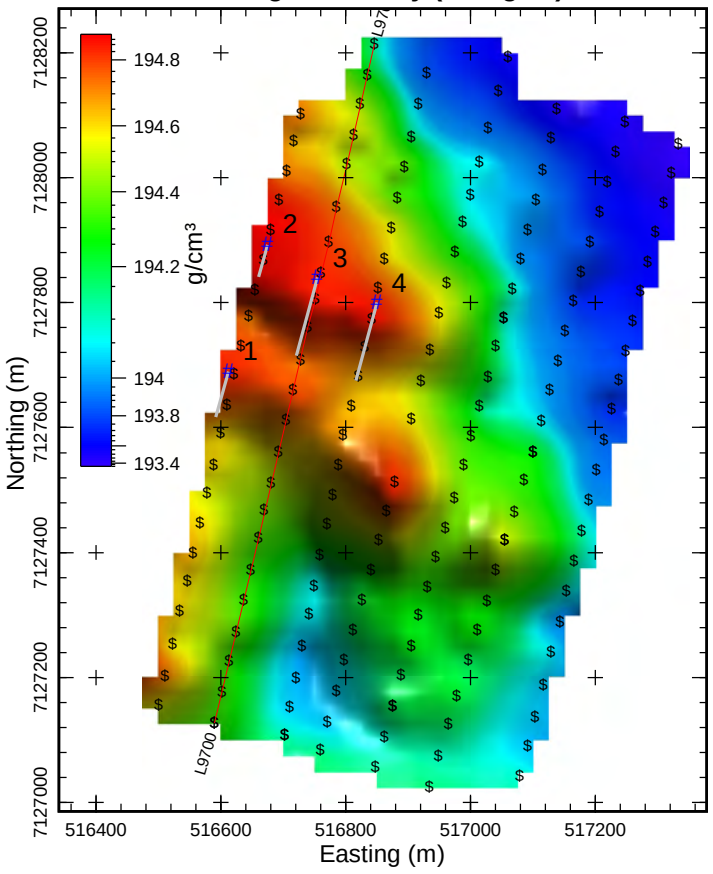
Line L9600 >>> Condor Modeled Chargeability from AURORA Induced Polarization Survey



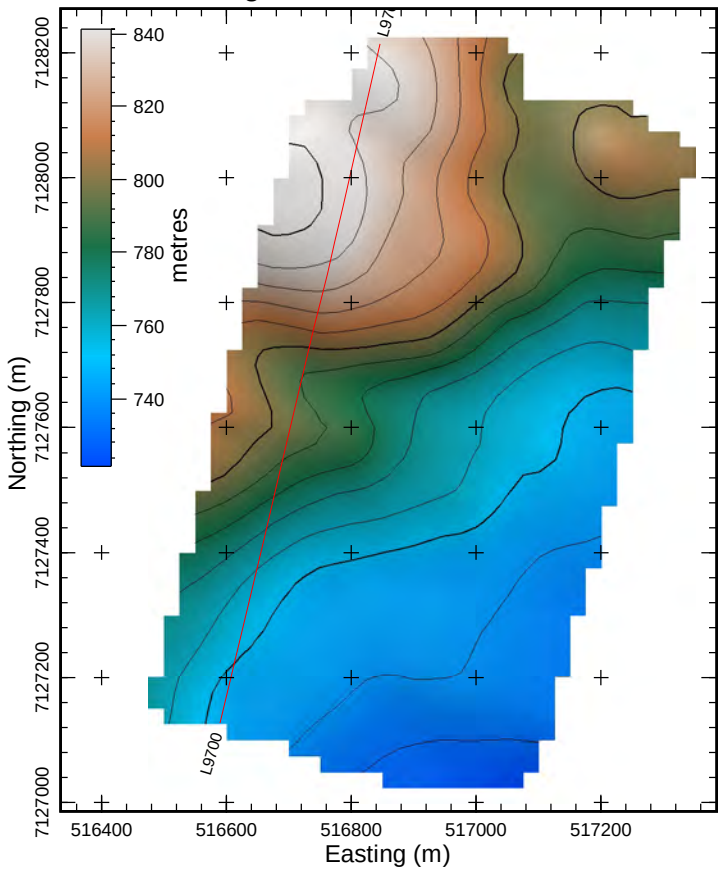
El Gossan - Magnetics (rtp)



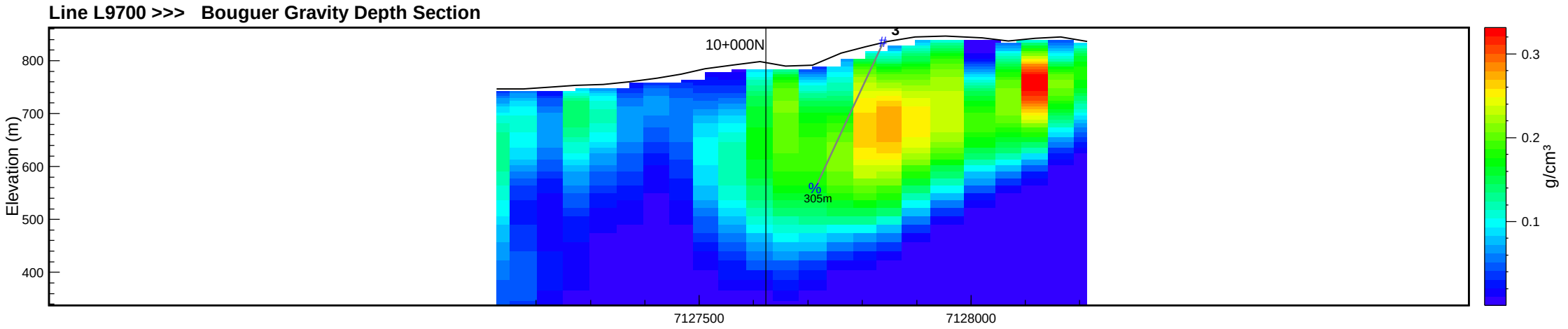
El Gossan - Bouguer Gravity (2.67 g/cc)



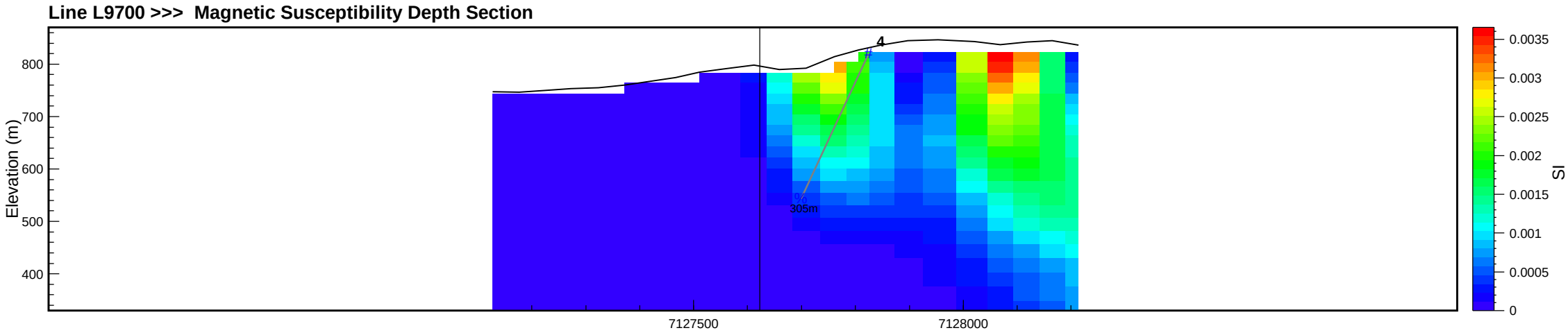
El Gossan - Digital Terrain Model



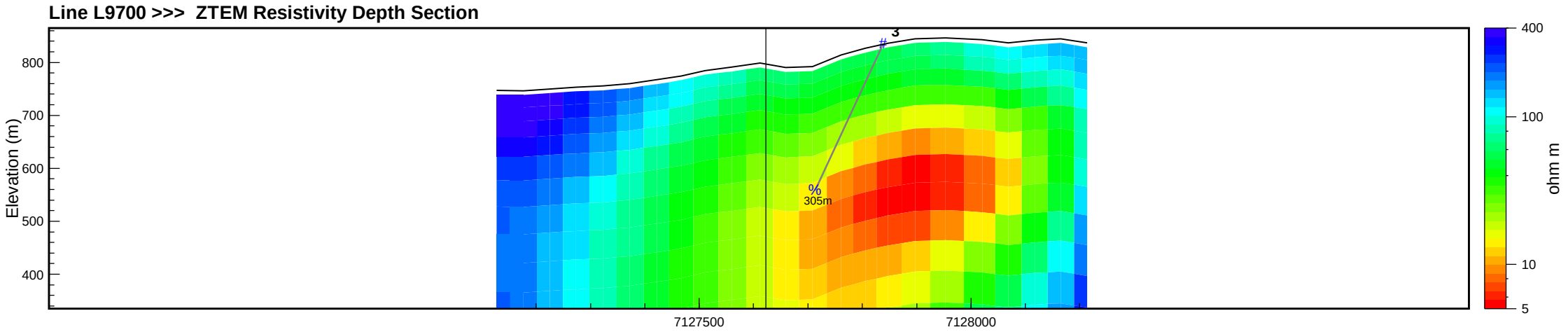
Line L9700 >>> Bouguer Gravity Depth Section



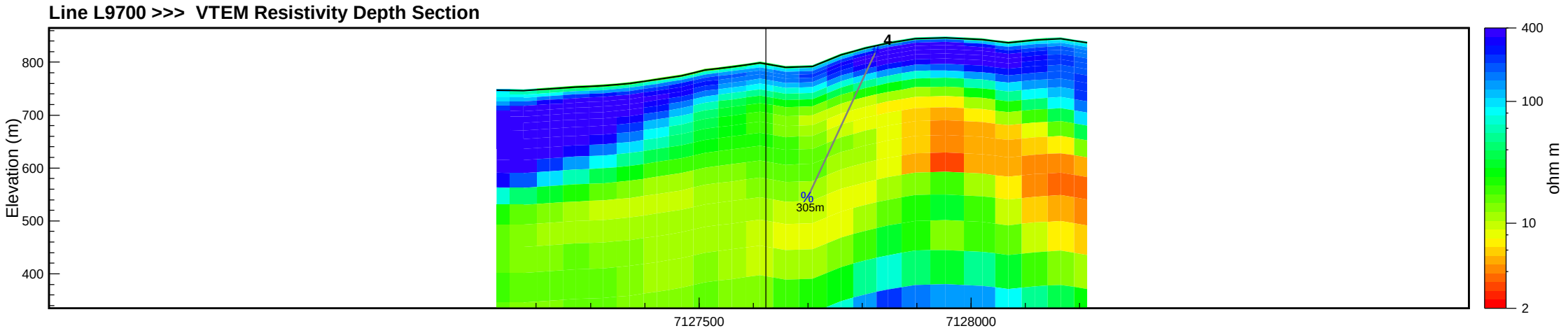
Line L9700 >>> Magnetic Susceptibility Depth Section



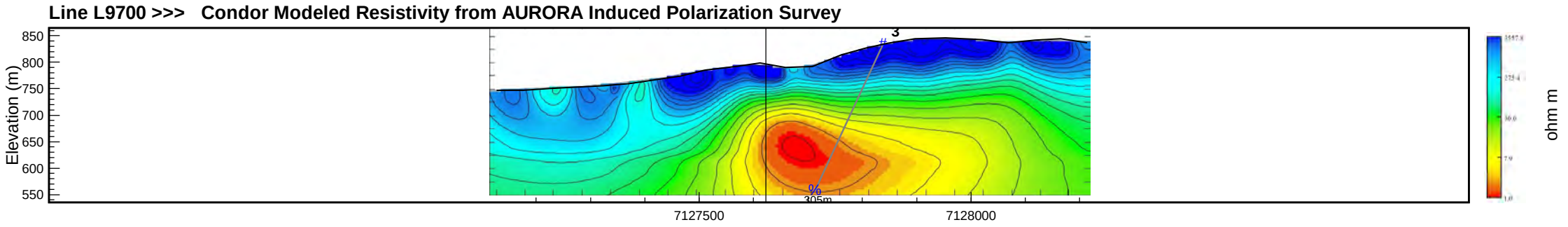
Line L9700 >>> ZTEM Resistivity Depth Section



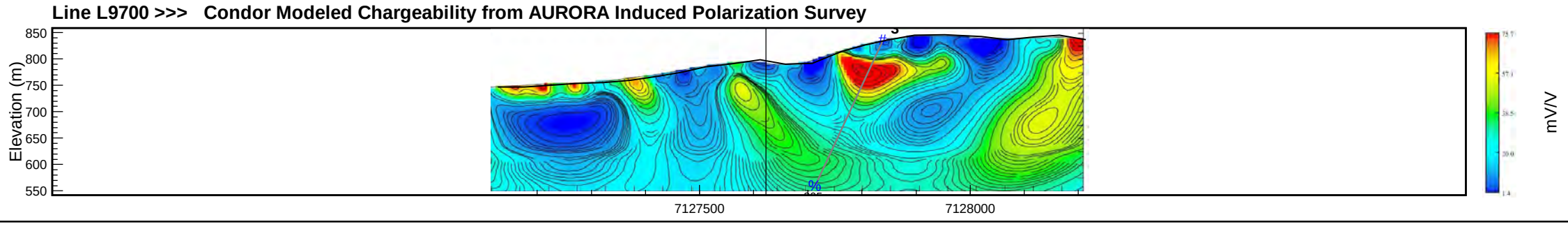
Line L9700 >>> VTEM Resistivity Depth Section



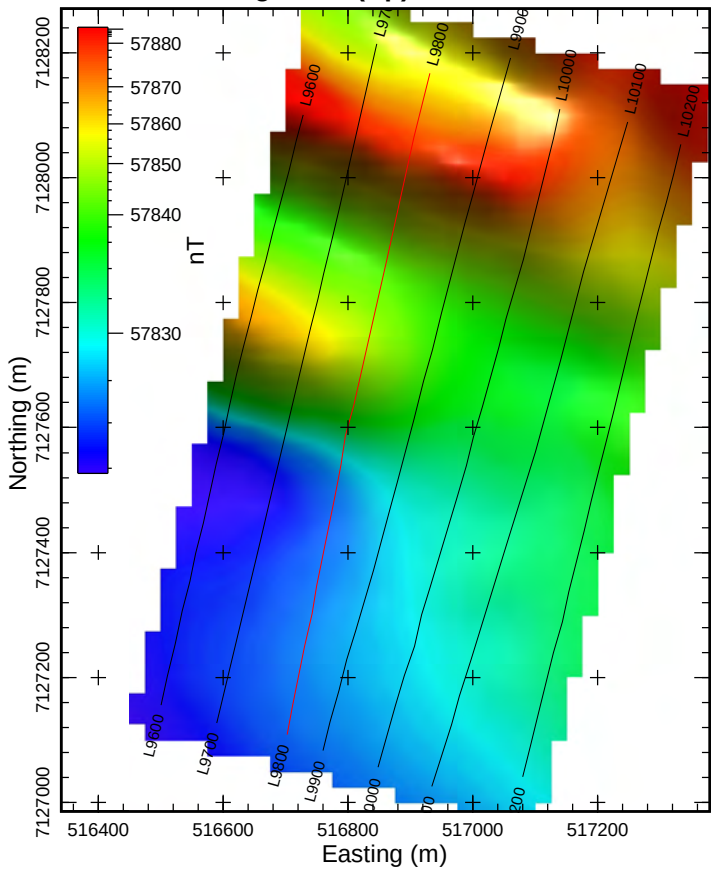
Line L9700 >>> Condor Modeled Resistivity from AURORA Induced Polarization Survey



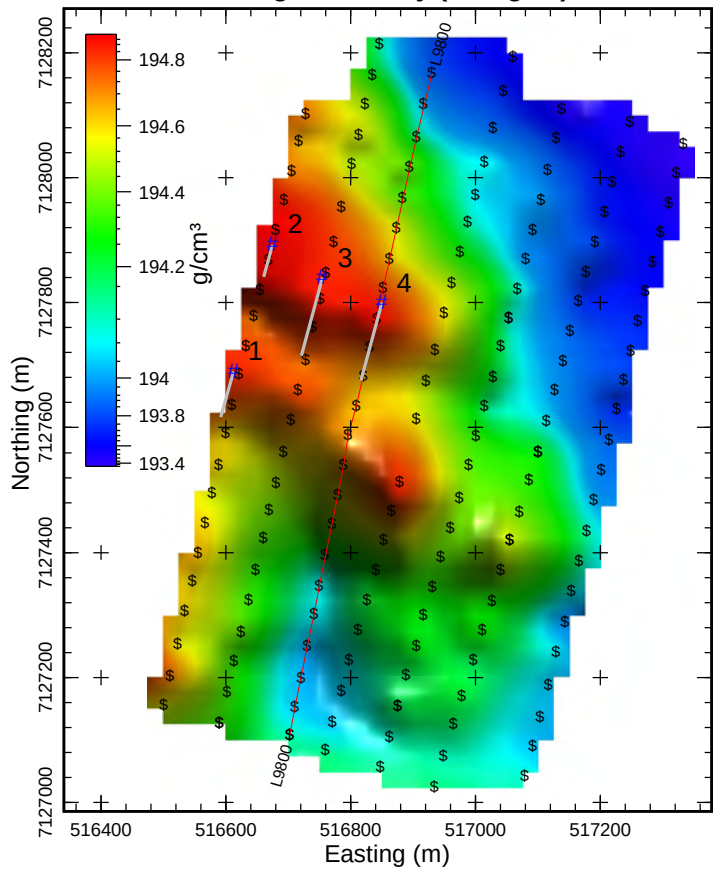
Line L9700 >>> Condor Modeled Chargeability from AURORA Induced Polarization Survey



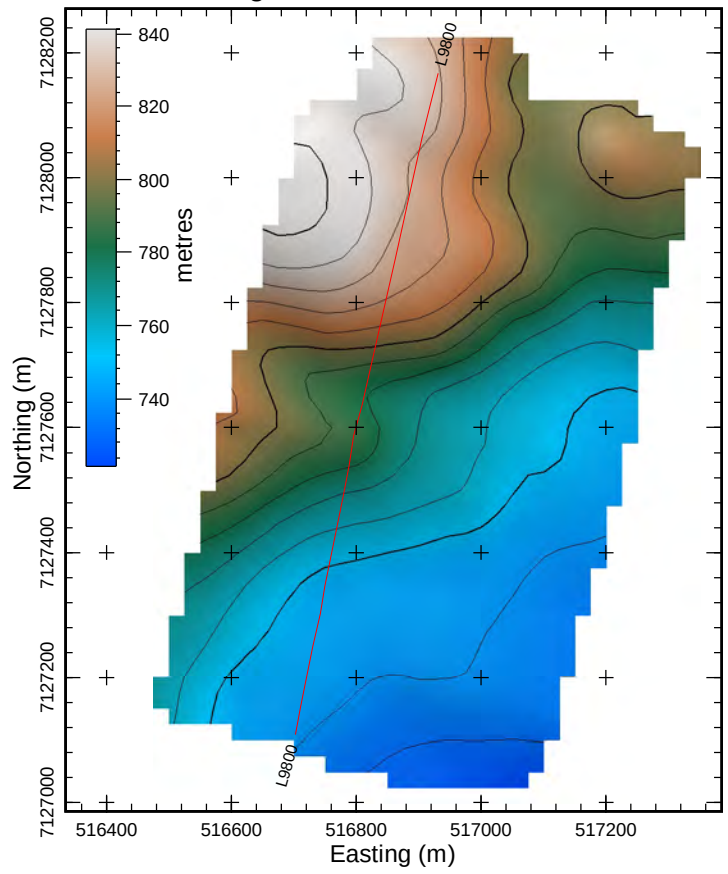
El Gossan - Magnetics (rtp)



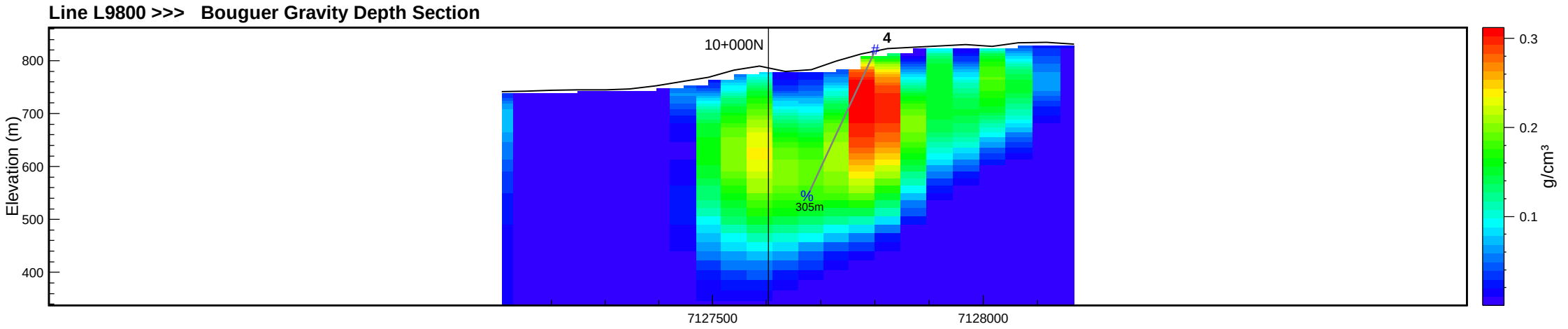
El Gossan - Bouguer Gravity (2.67 g/cc)



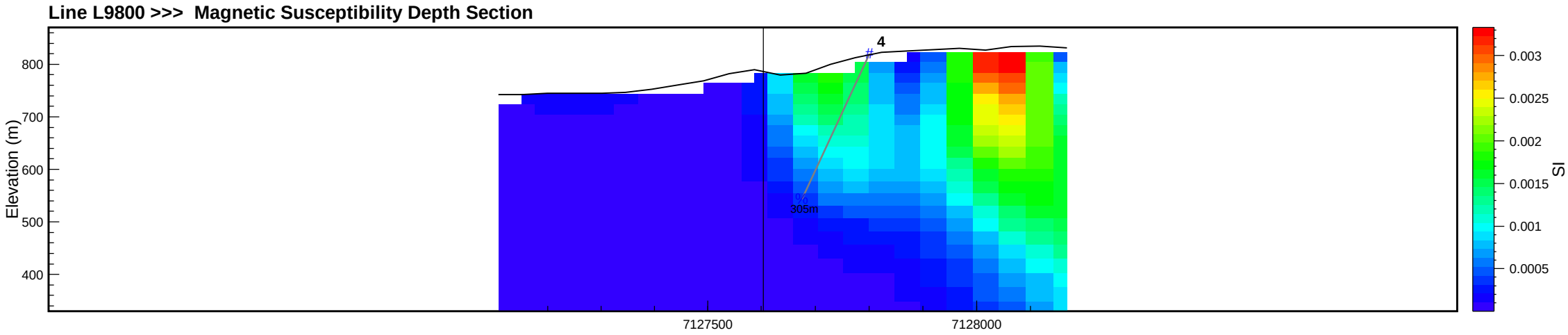
El Gossan - Digital Terrain Model



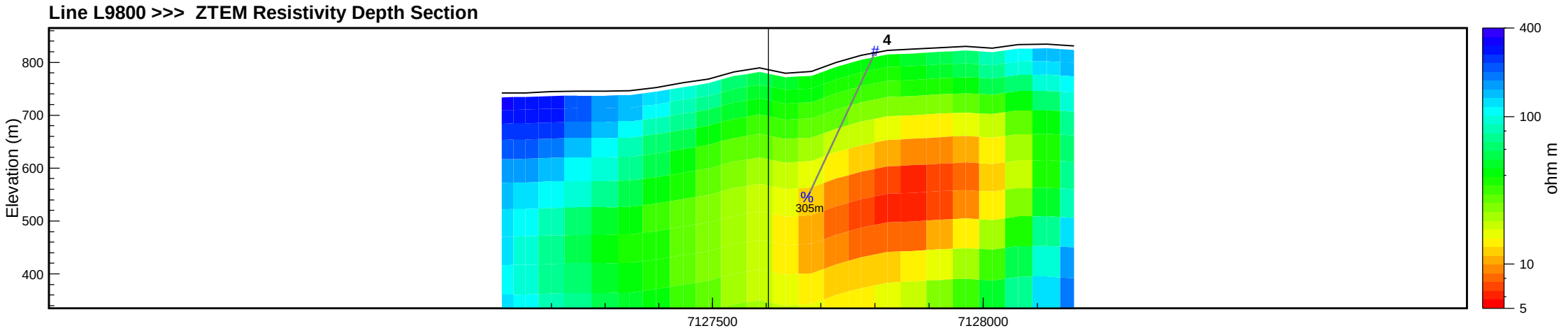
Line L9800 >>> Bouguer Gravity Depth Section



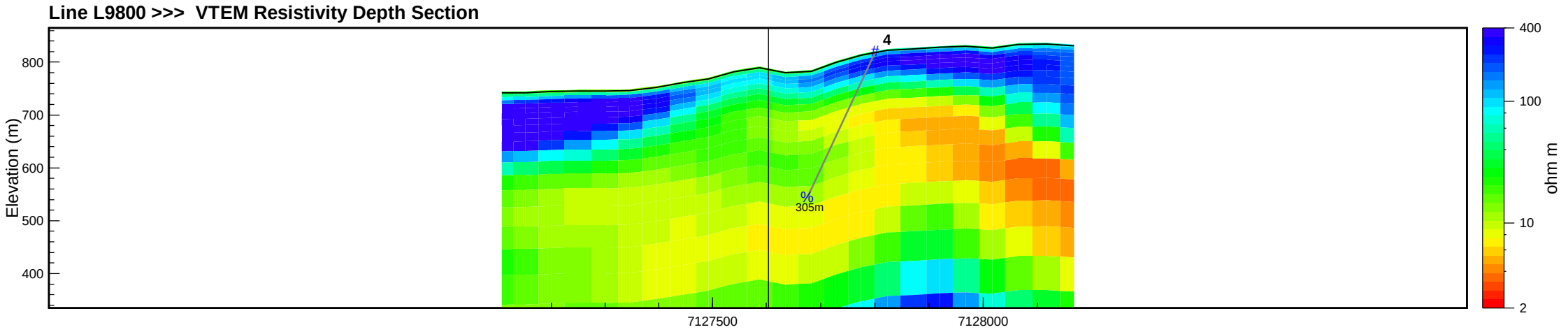
Line L9800 >>> Magnetic Susceptibility Depth Section



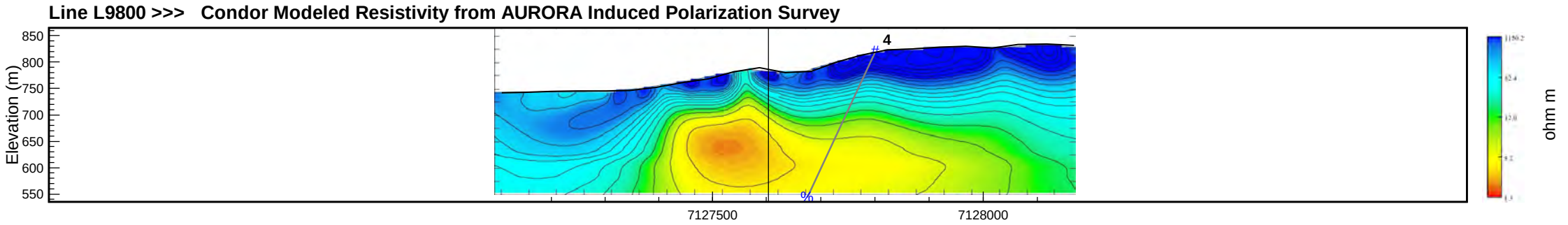
Line L9800 >>> ZTEM Resistivity Depth Section



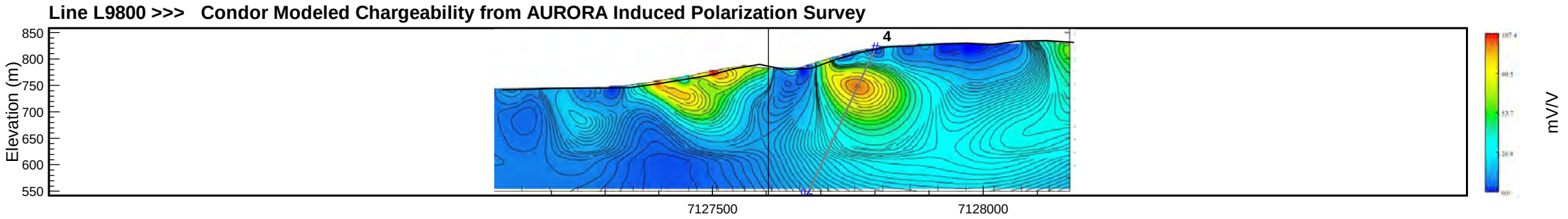
Line L9800 >>> VTEM Resistivity Depth Section



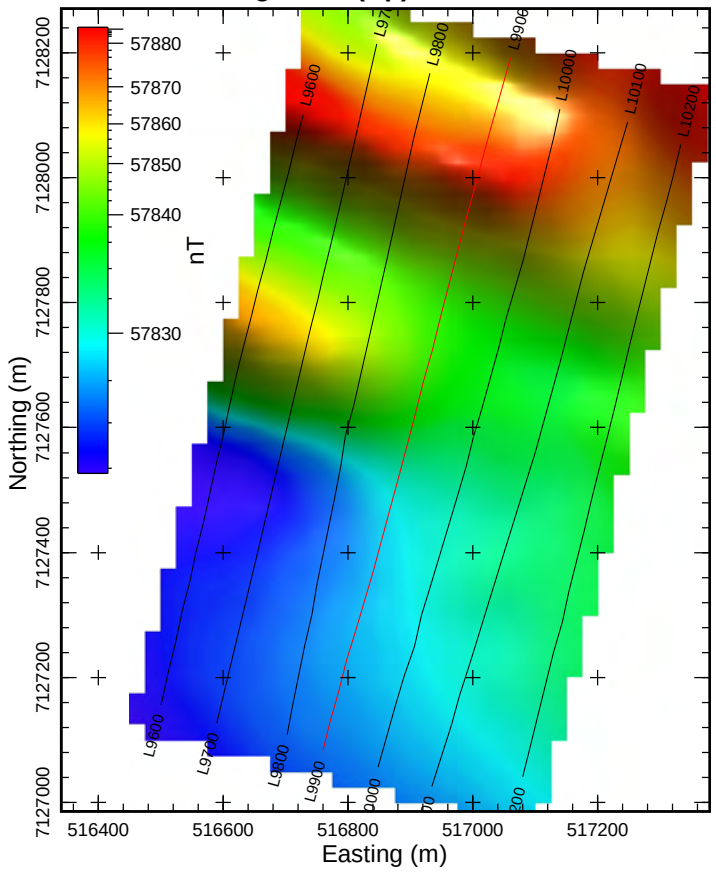
Line L9800 >>> Condor Modeled Resistivity from AURORA Induced Polarization Survey



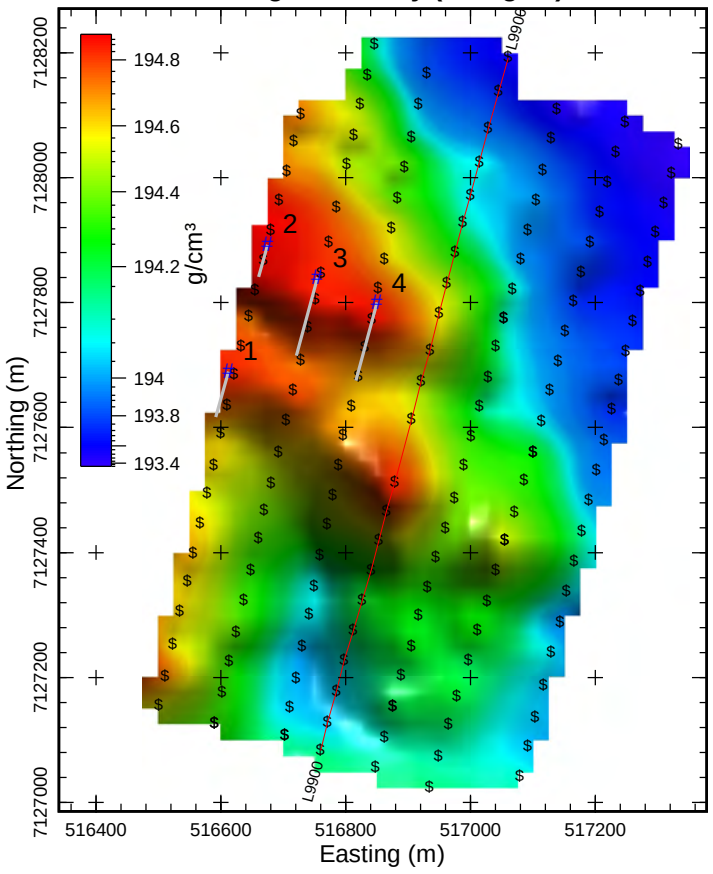
Line L9800 >>> Condor Modeled Chargeability from AURORA Induced Polarization Survey



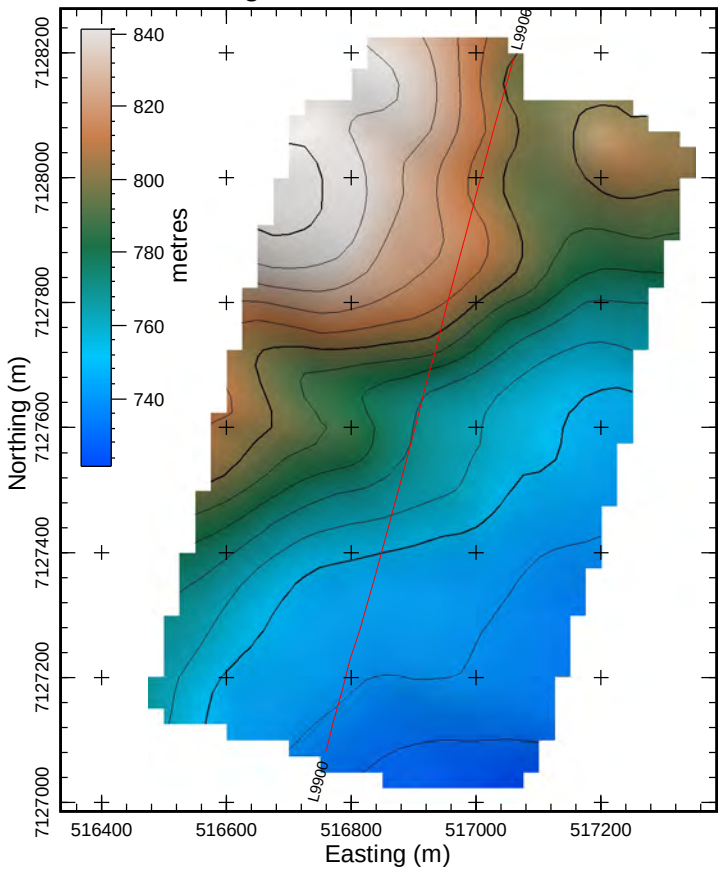
El Gossan - Magnetics (rtp)



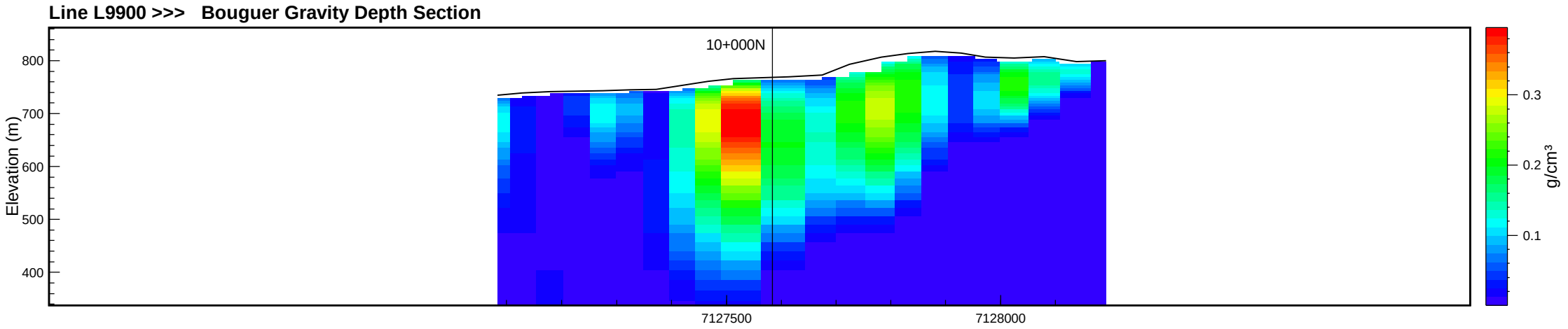
El Gossan - Bouguer Gravity (2.67 g/cc)



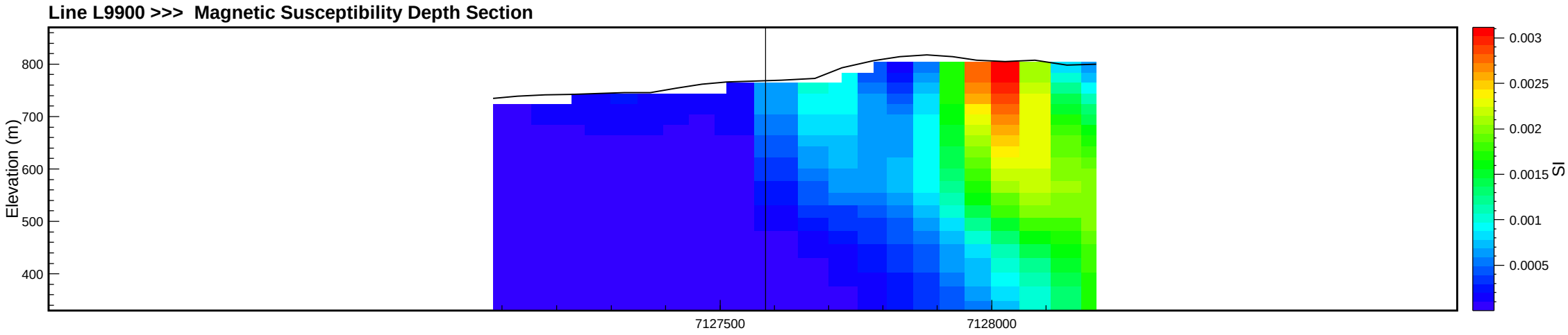
El Gossan - Digital Terrain Model



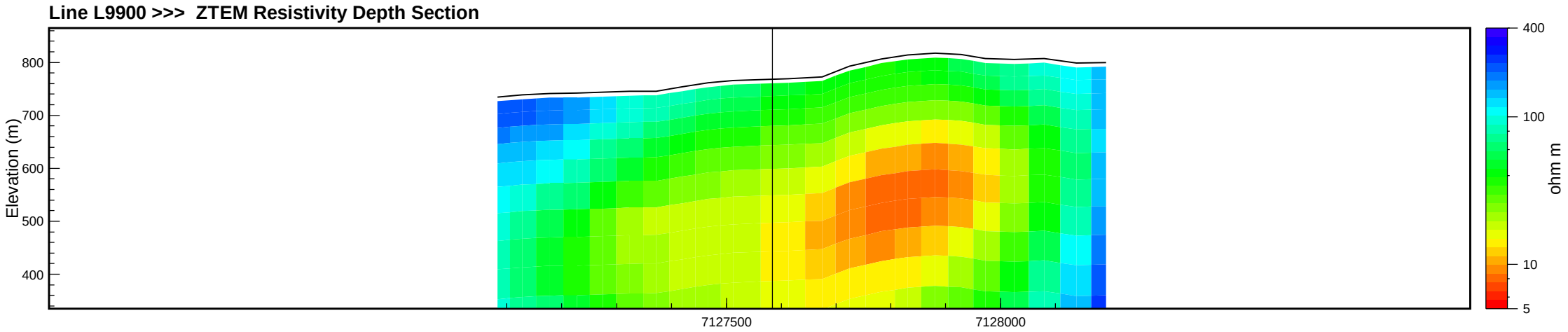
Line L9900 >>> Bouguer Gravity Depth Section



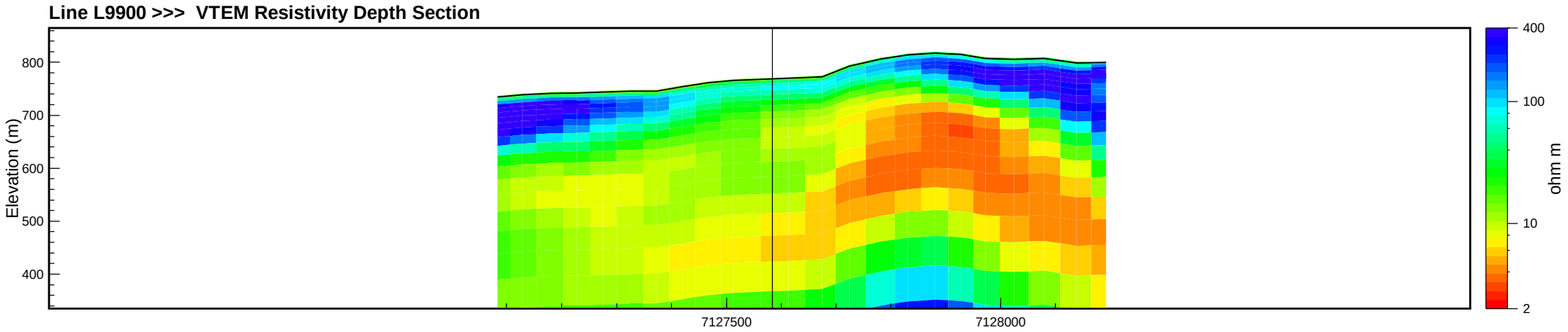
Line L9900 >>> Magnetic Susceptibility Depth Section



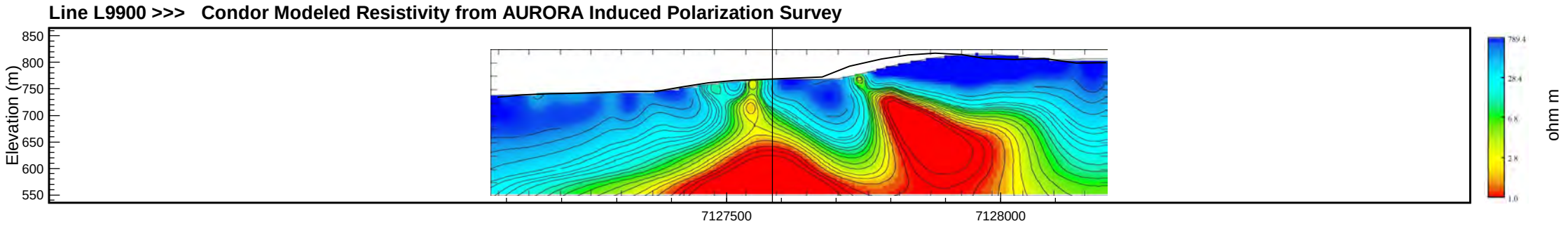
Line L9900 >>> ZTEM Resistivity Depth Section



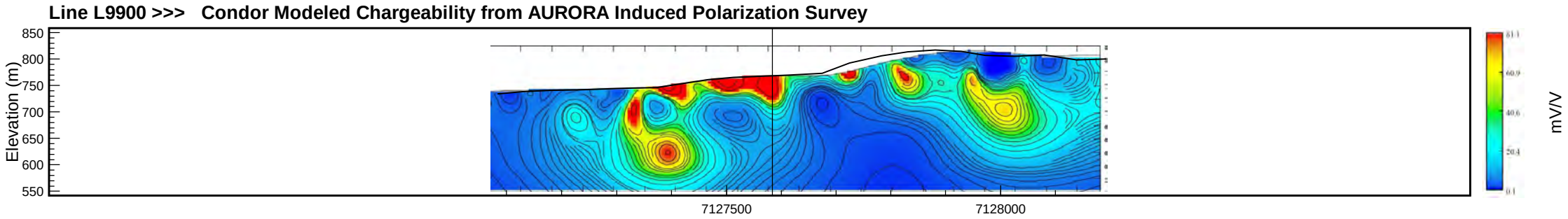
Line L9900 >>> VTEM Resistivity Depth Section



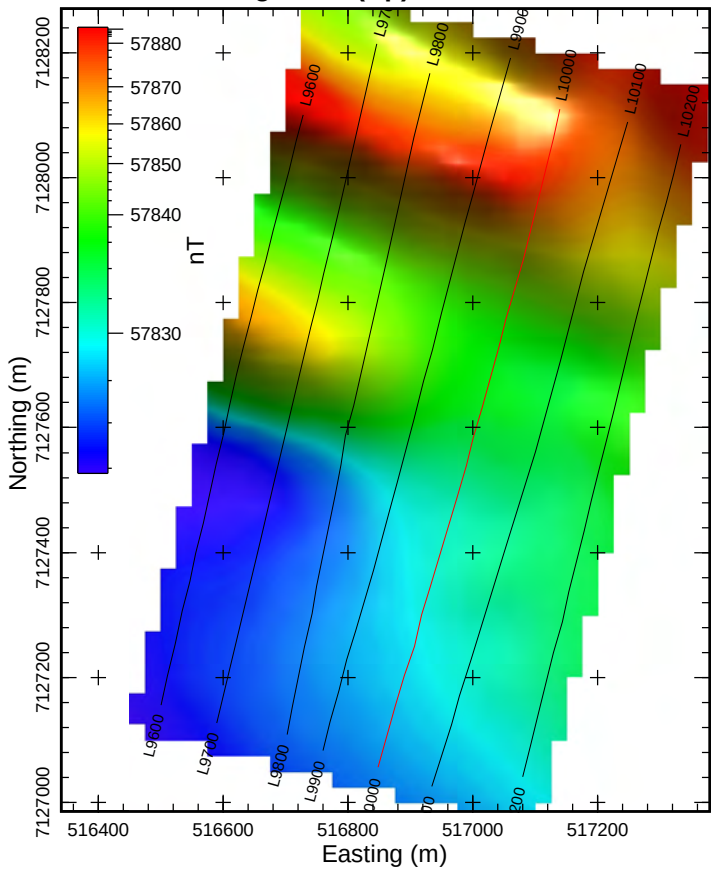
Line L9900 >>> Condor Modeled Resistivity from AURORA Induced Polarization Survey



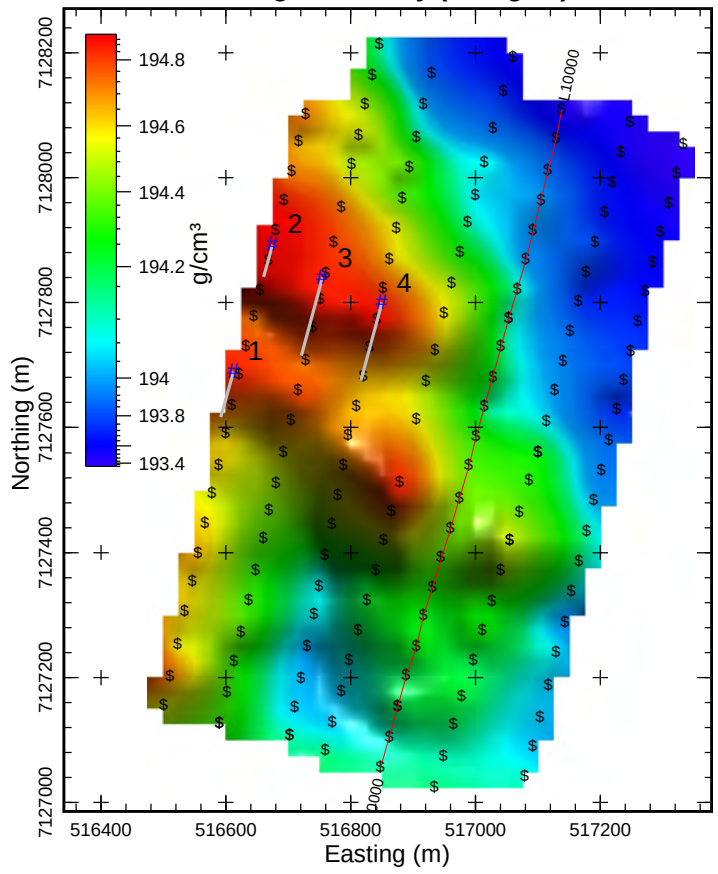
Line L9900 >>> Condor Modeled Chargeability from AURORA Induced Polarization Survey



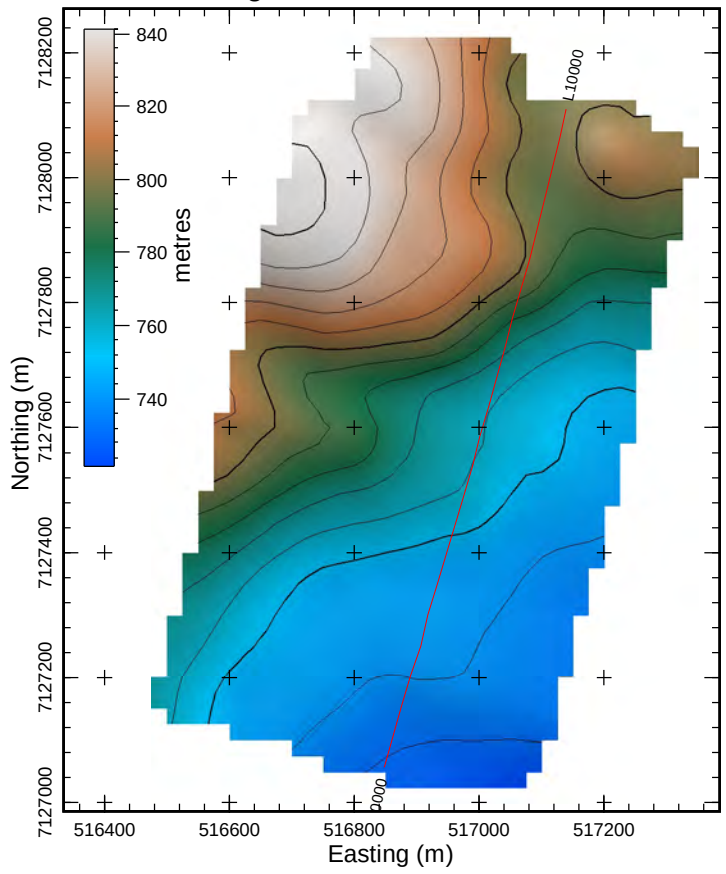
El Gossan - Magnetics (rtp)



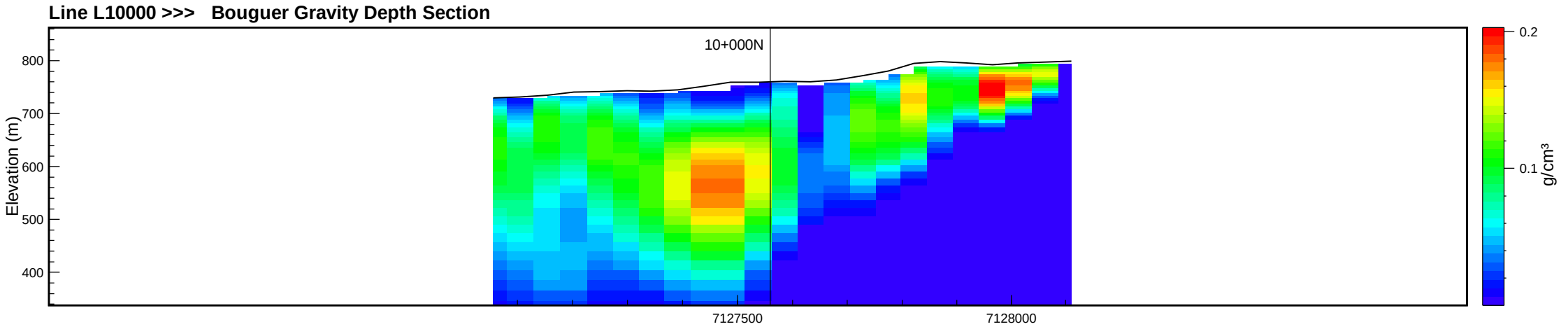
El Gossan - Bouguer Gravity (2.67 g/cc)



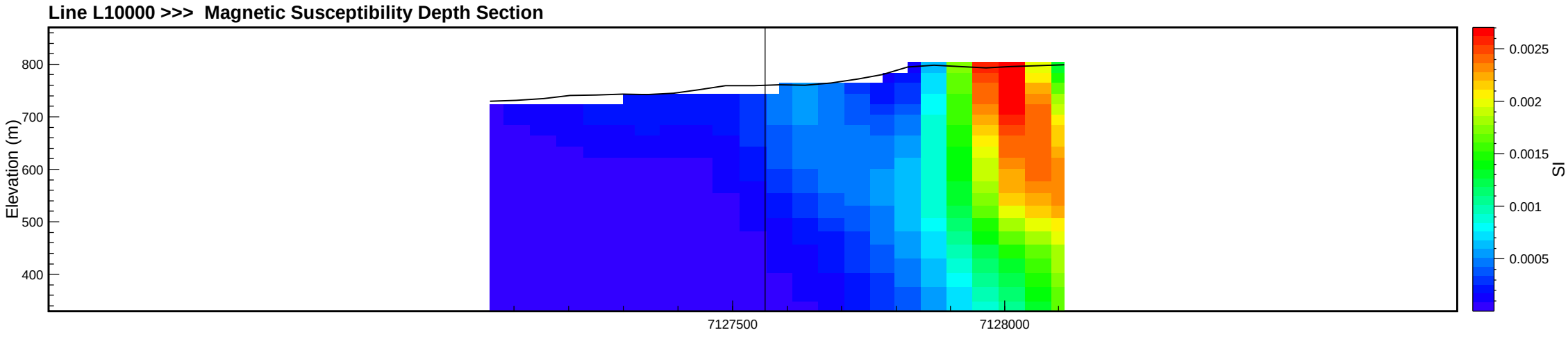
El Gossan - Digital Terrain Model



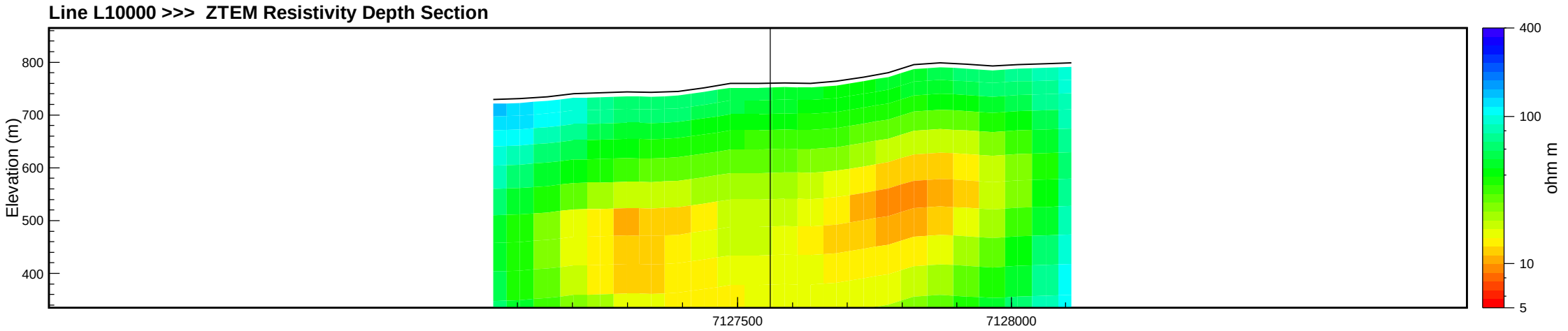
Line L10000 >>> Bouguer Gravity Depth Section



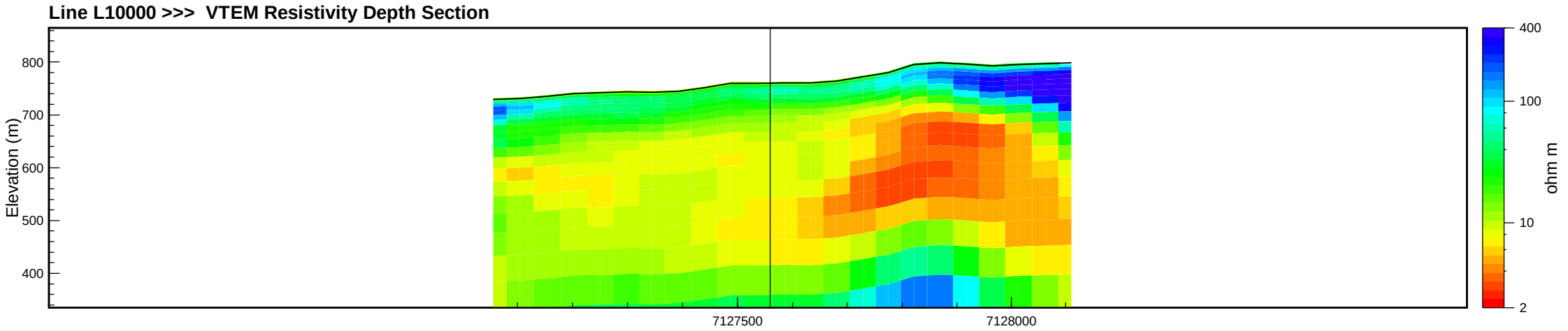
Line L10000 >>> Magnetic Susceptibility Depth Section



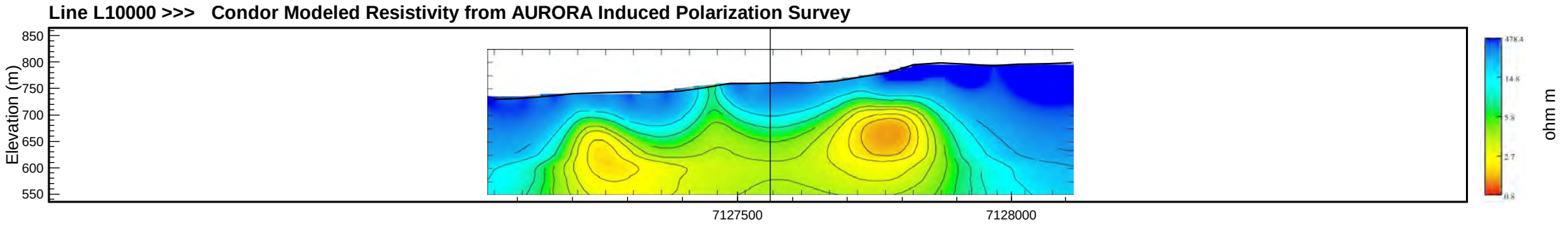
Line L10000 >>> ZTEM Resistivity Depth Section



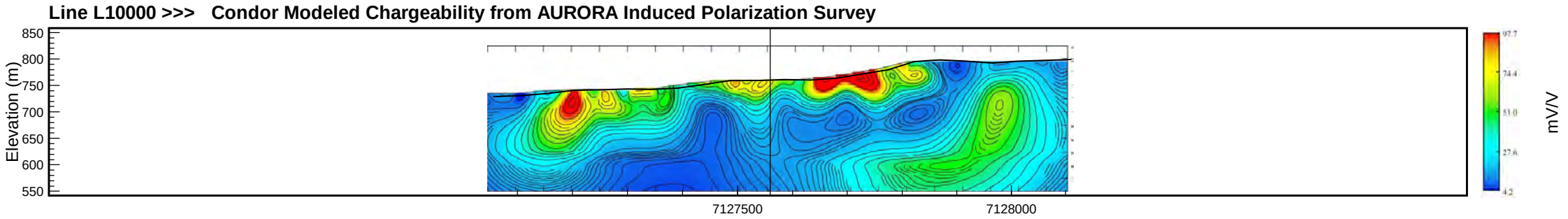
Line L10000 >>> VTEM Resistivity Depth Section



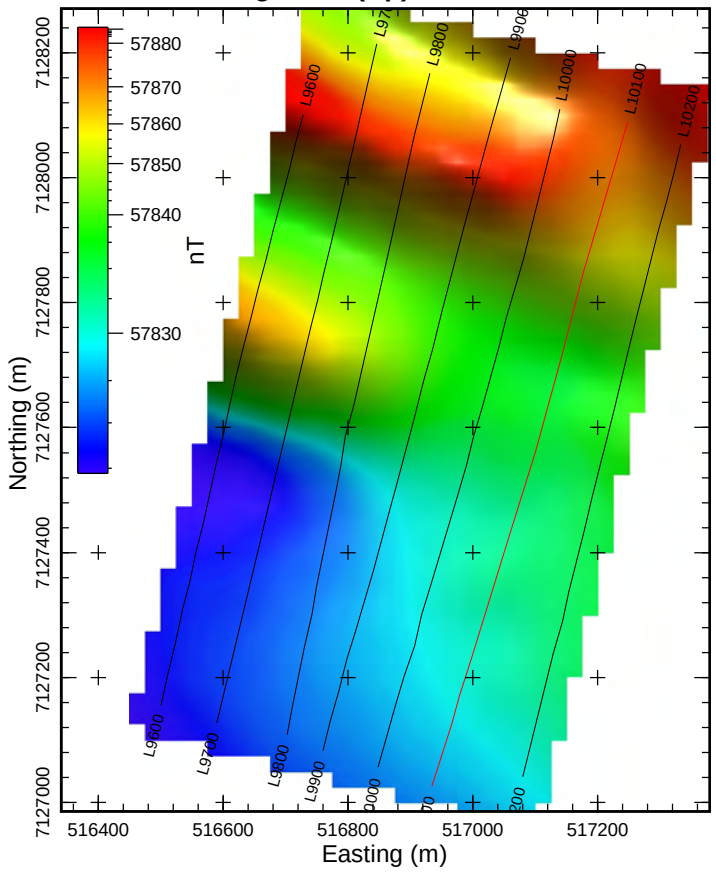
Line L10000 >>> Condor Modeled Resistivity from AURORA Induced Polarization Survey



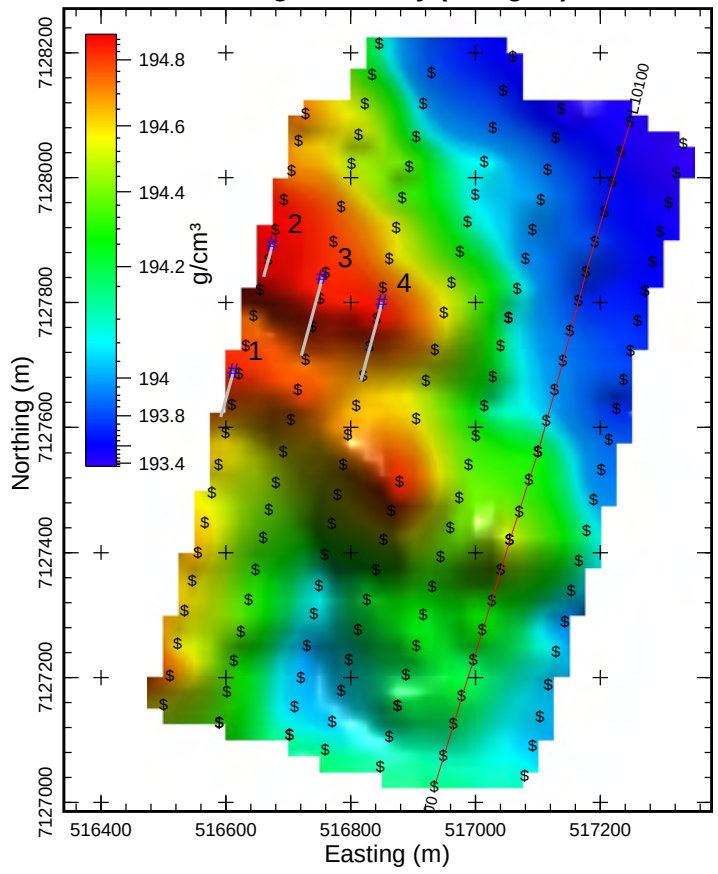
Line L10000 >>> Condor Modeled Chargeability from AURORA Induced Polarization Survey



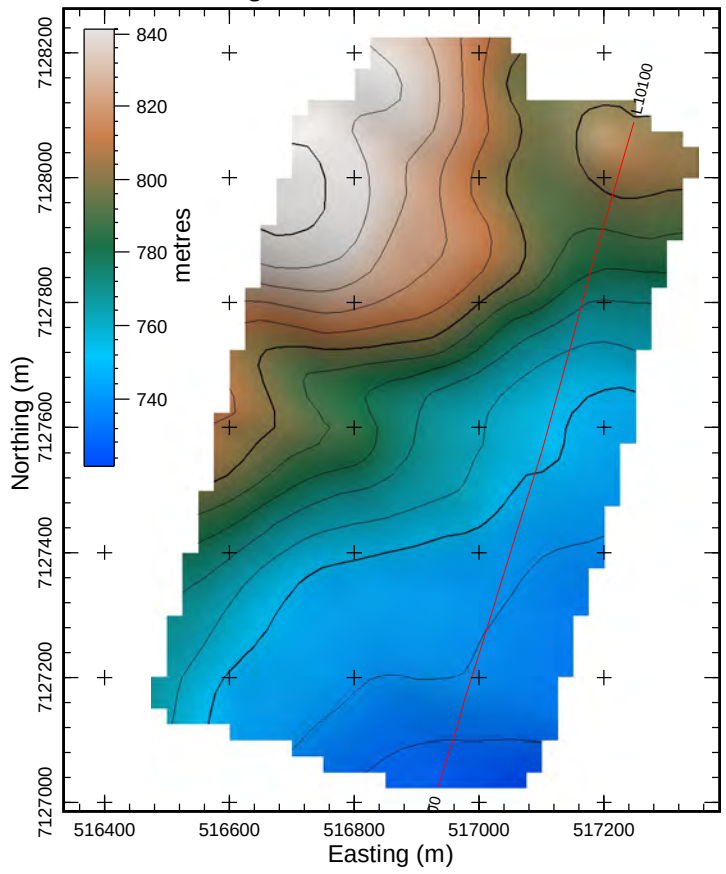
El Gossan - Magnetics (rtp)



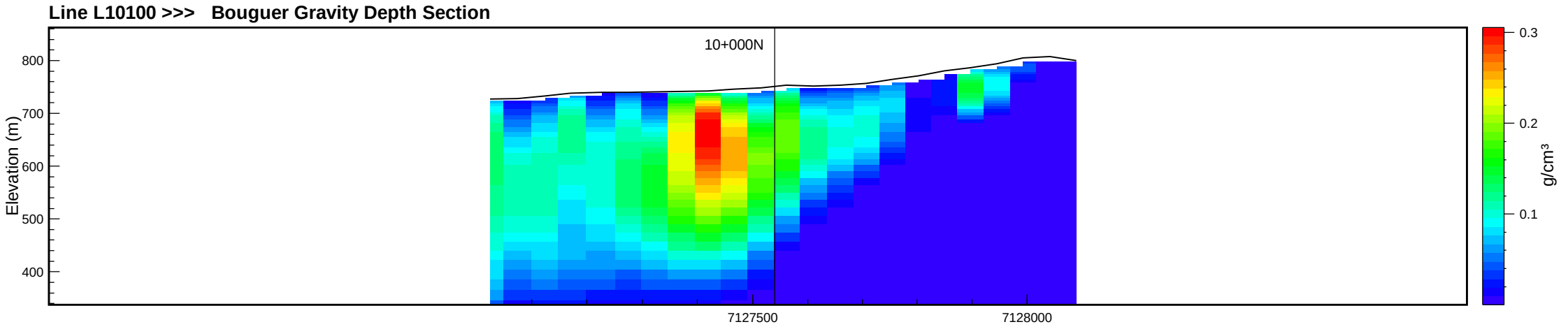
El Gossan - Bouguer Gravity (2.67 g/cc)



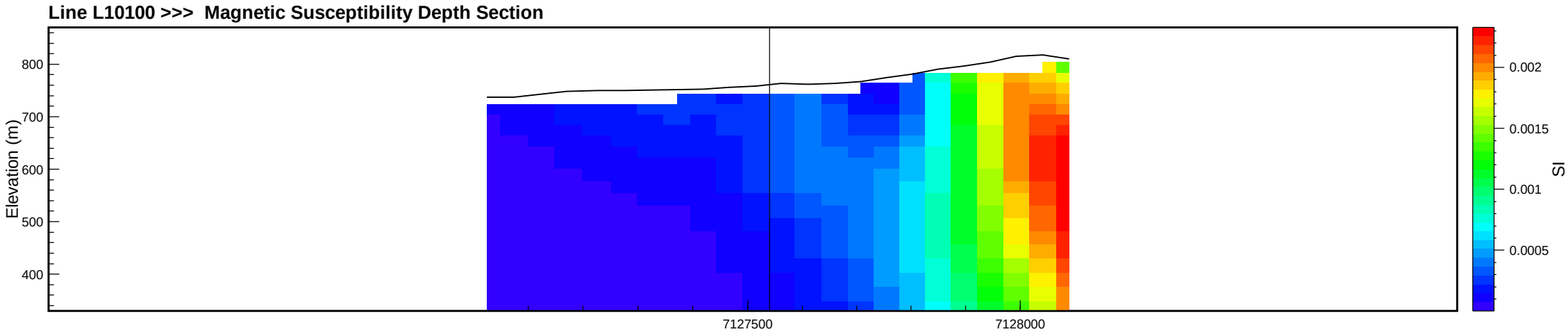
El Gossan - Digital Terrain Model



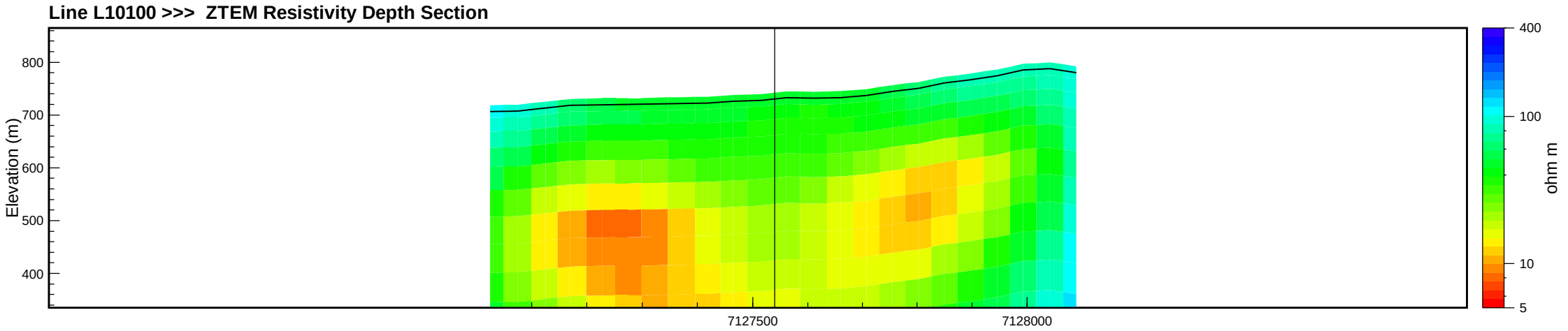
Line L10100 >>> Bouguer Gravity Depth Section



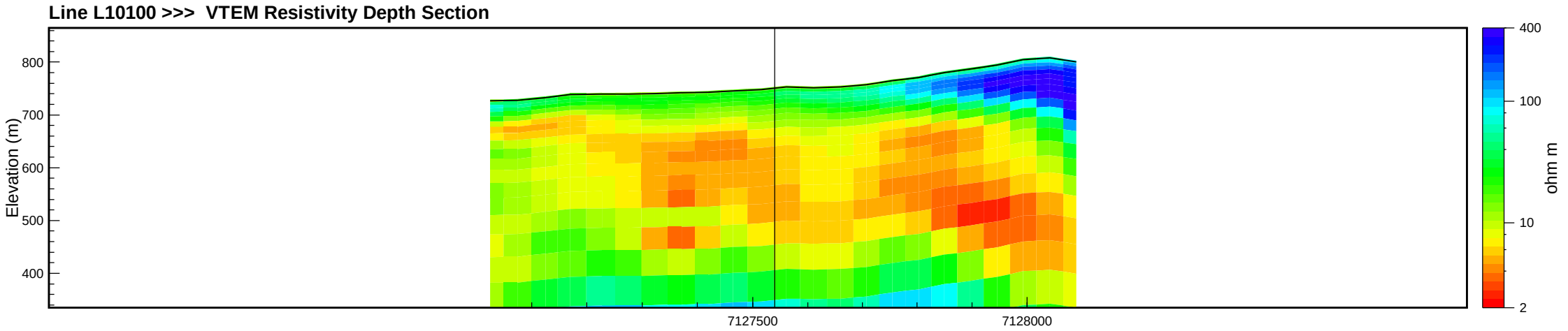
Line L10100 >>> Magnetic Susceptibility Depth Section



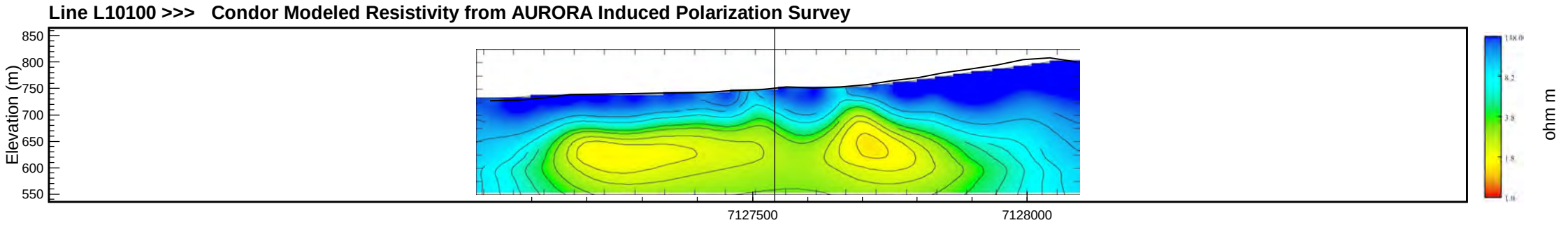
Line L10100 >>> ZTEM Resistivity Depth Section



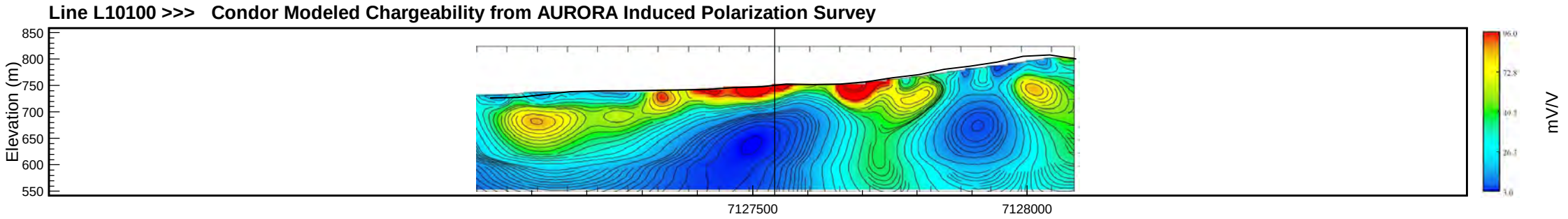
Line L10100 >>> VTEM Resistivity Depth Section



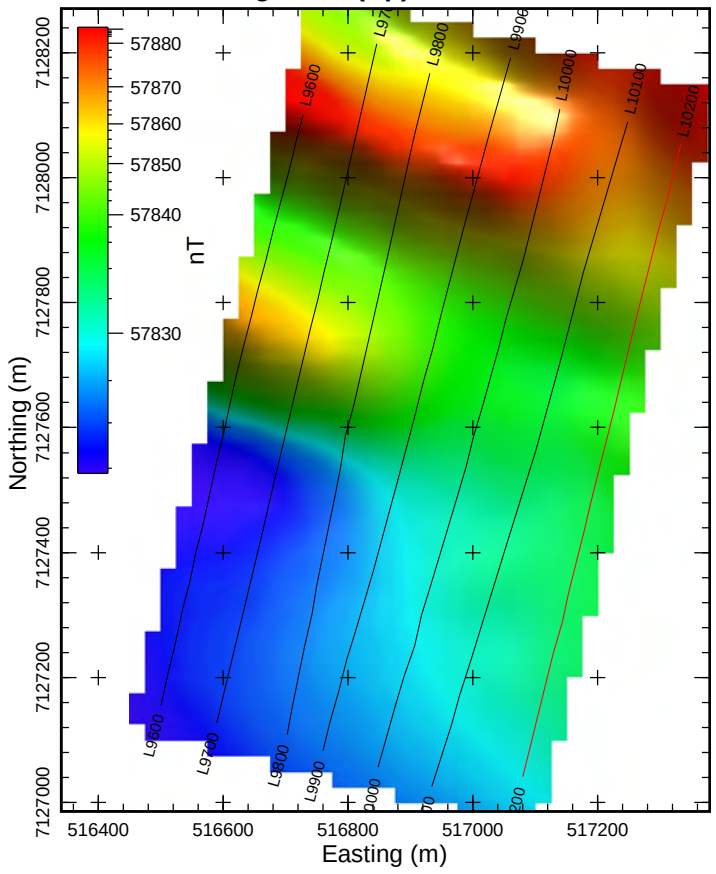
Line L10100 >>> Condor Modeled Resistivity from AURORA Induced Polarization Survey



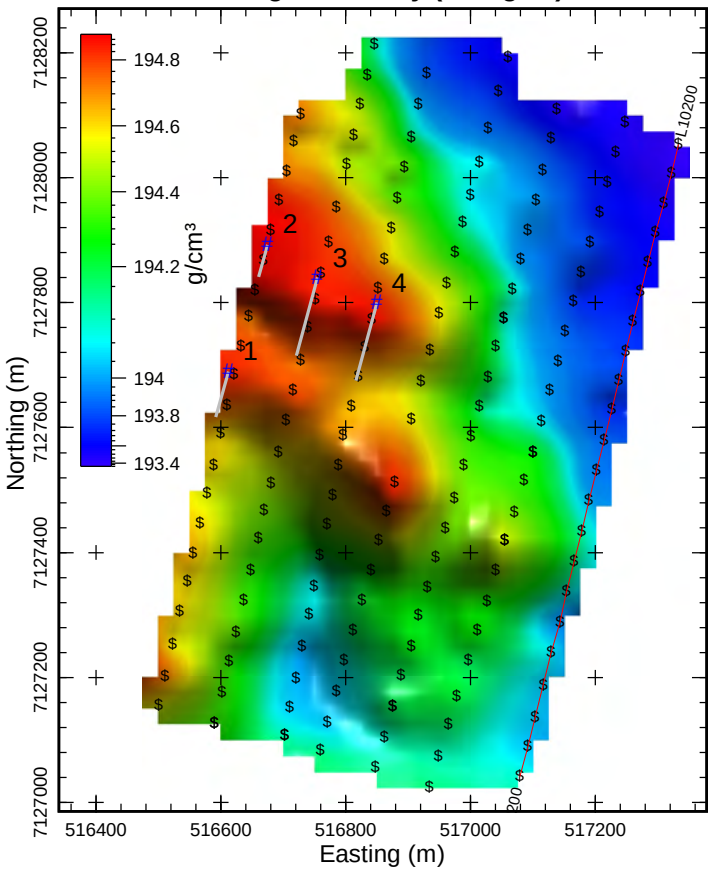
Line L10100 >>> Condor Modeled Chargeability from AURORA Induced Polarization Survey



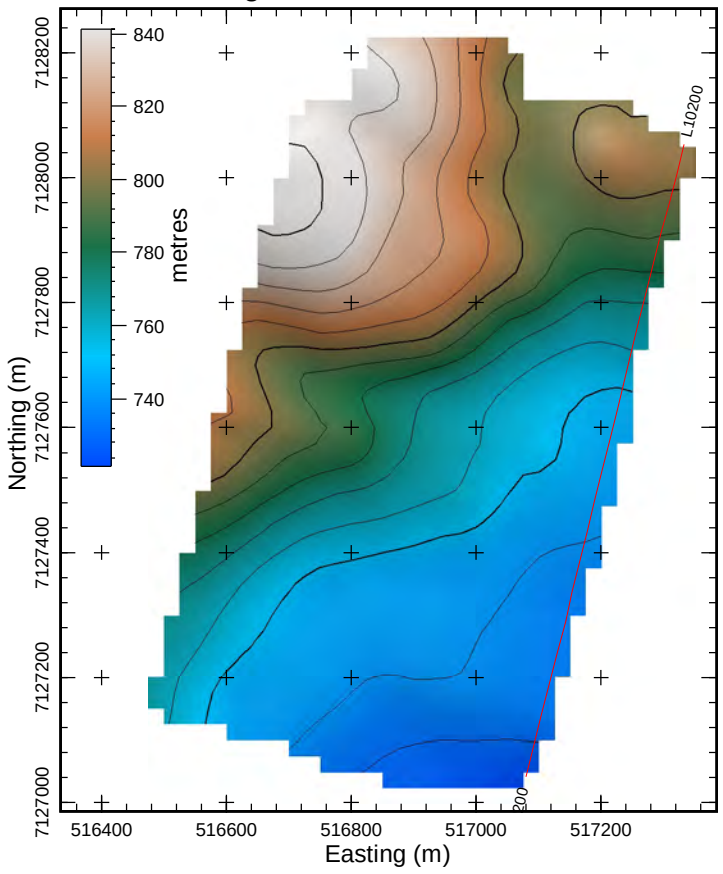
El Gossan - Magnetics (rtp)



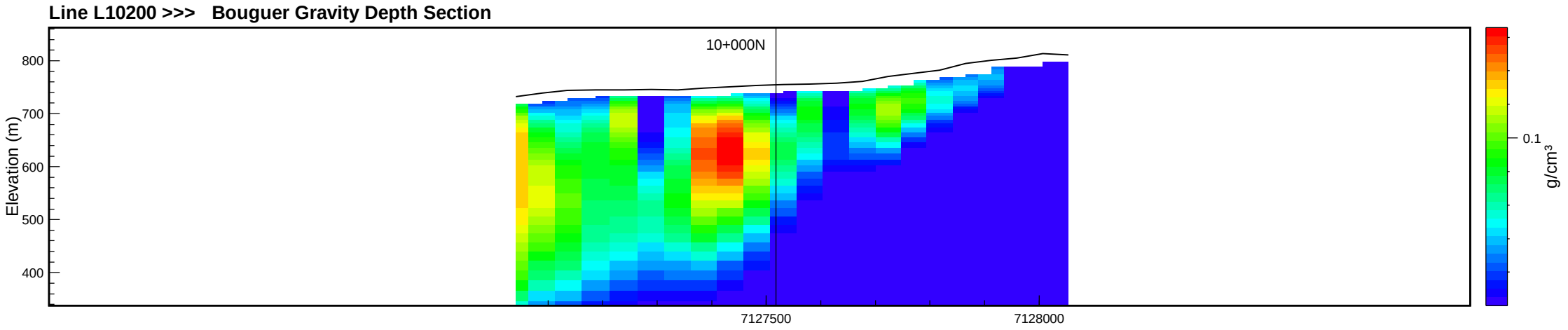
El Gossan - Bouguer Gravity (2.67 g/cc)



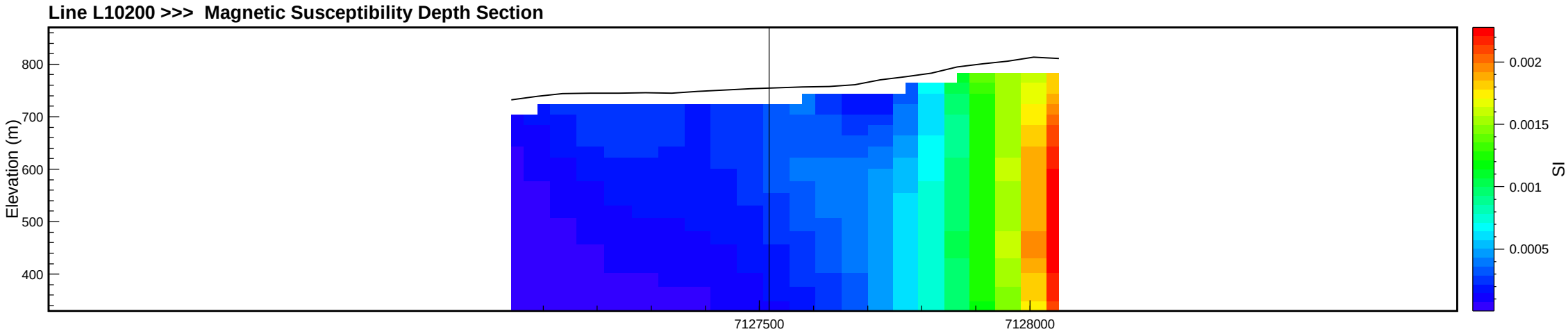
El Gossan - Digital Terrain Model



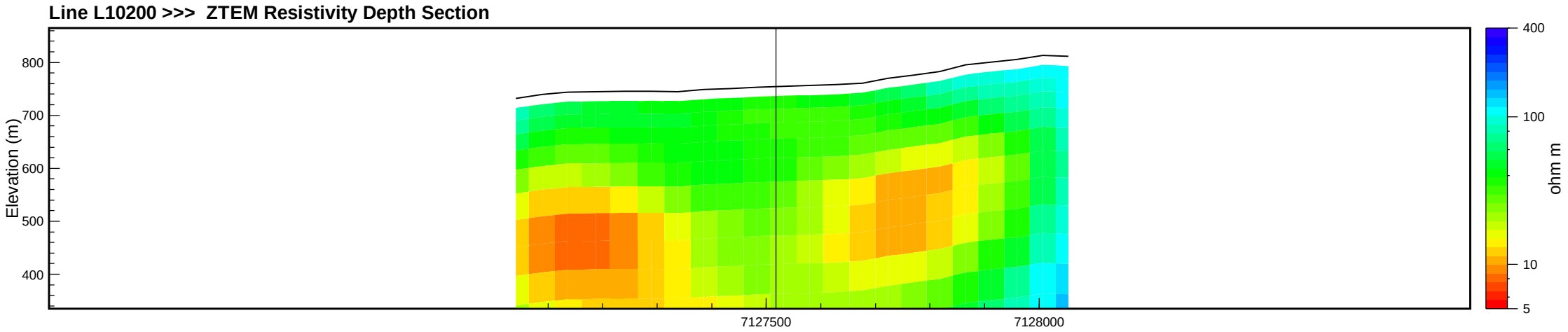
Line L10200 >>> Bouguer Gravity Depth Section



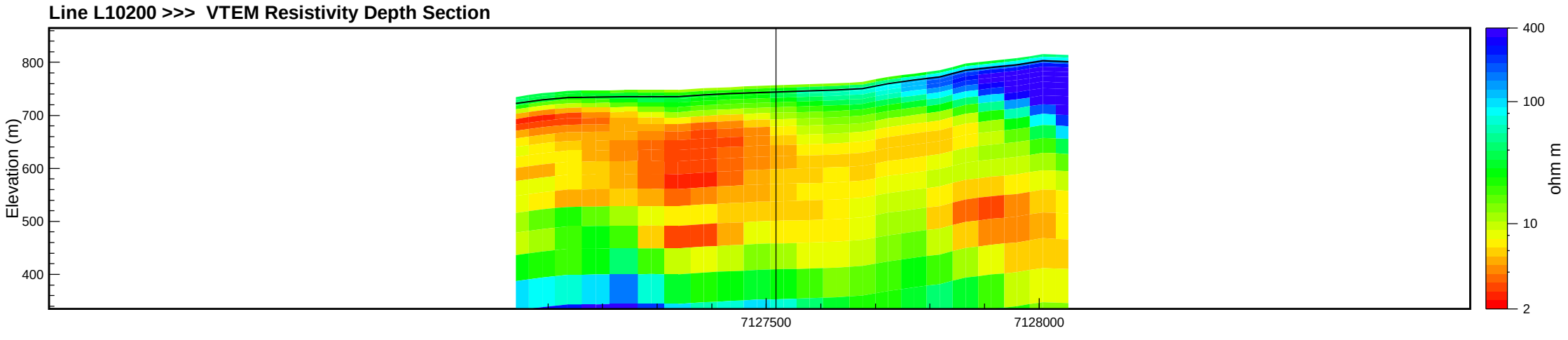
Line L10200 >>> Magnetic Susceptibility Depth Section



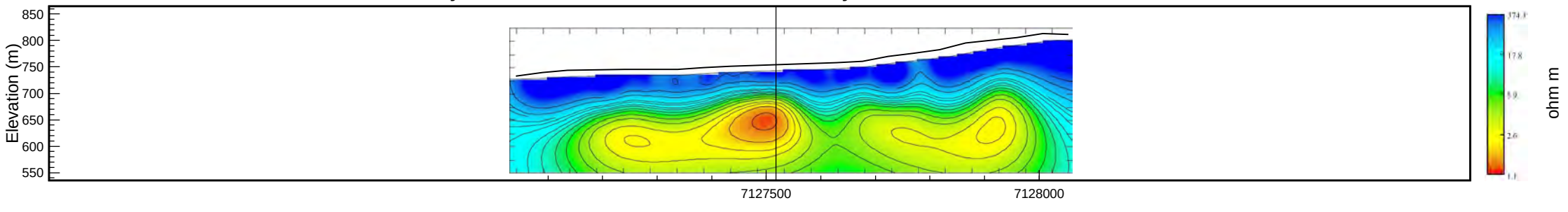
Line L10200 >>> ZTEM Resistivity Depth Section



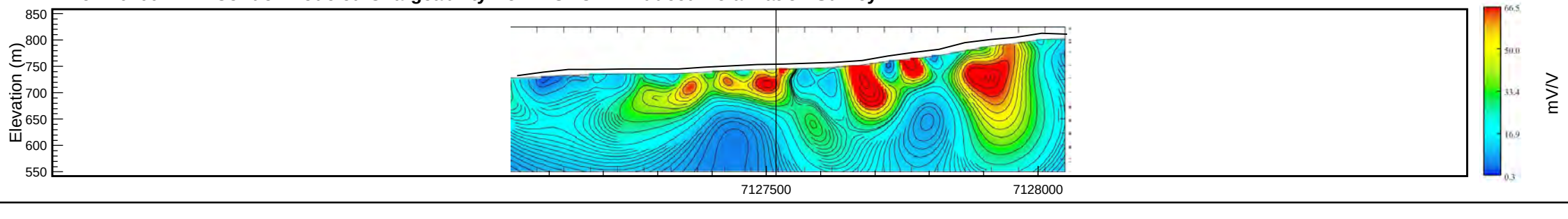
Line L10200 >>> VTEM Resistivity Depth Section



Line L10200 >>> Condor Modeled Resistivity from AURORA Induced Polarization Survey



Line L10200 >>> Condor Modeled Chargeability from AURORA Induced Polarization Survey



APPENDIX IX

GEOPHYSICAL REPORT BY SCINTREX LIMITED

Well name	Rau_10_79			
Wellhead elevation		1401.8		
Wellhead latitude		64.199593		
Wellhead longitude		-134.41617		
Well units	m			
Density type	Conventional BHGM density			
Depth	Wireline		Density	Sigma density
0.000		0.000	2.865	0.018
8.420		10.000	2.388	0.018
16.858		20.000	2.505	0.019
25.248		30.000	2.812	0.008
33.651		40.000	2.518	0.008
42.022		50.000	2.669	0.010
50.419		60.000	2.602	0.010
58.773		70.000	2.608	0.002
67.142		80.000	2.374	0.011
68.799		82.000	2.405	0.000
70.458		84.000	2.404	0.216
72.118		86.000	2.413	0.217
73.778		88.000	2.162	0.000
75.440		90.000	2.425	0.113
77.103		92.000	2.093	0.113
78.767		94.000	2.481	0.000
80.432		96.000	2.335	0.031
82.099		98.000	2.238	0.031
83.769		100.000	2.181	0.124
85.440		102.000		

Well name	Rau_10_79
Client name	
Wellhead elevation	1401.8
Wellhead latitude	64.199593
Wellhead longitude	-134.41617
Well units	m

SCIN wld	Logged grav	Raw grav	Field drift	SD	Tiltx	Tilty	BHGM temp	Elec temp
0.000	6490.836	6503.236	12.320	0.010	4.15	-1.63	344.343	28.2
80.000	6500.701	6513.379	12.605	0.010	0.35	15.35	343.388	22.4
70.000	6499.509	6512.256	12.674	0.011	4.85	18.31	343.374	21.7
60.000	6498.322	6511.127	12.734	0.011	-8.80	10.17	343.408	21.2
50.000	6497.125	6510.013	12.818	0.012	18.90	26.50	343.467	20.5
40.000	6495.947	6508.891	12.875	0.011	4.75	-13.99	343.476	20.3
30.000	6494.685	6507.683	12.930	0.010	8.25	22.68	343.420	19.8
20.000	6493.413	6506.461	12.980	0.013	3.75	-0.52	343.495	19.3
10.000	6492.069	6505.166	13.030	0.010	1.05	-3.89	343.580	19.3
0.000	6490.734	6503.908	13.108	0.010	-6.17	10.60	343.812	19.6
86.000	6501.440	6514.852	13.348	0.012	0.20	11.95	343.171	18.2
92.000	6502.299	6515.767	13.405	0.010	-8.20	20.44	343.227	17.9
98.000	6503.111	6516.658	13.484	0.011	11.20	19.99	343.299	17.4
102.000	6503.672	6517.270	13.535	0.011	9.20	12.01	343.247	17.4
100.000	6503.404	6517.071	13.604	0.011	7.95	19.97	343.383	17.4
98.000	6503.143	6516.865	13.659	0.009	16.20	15.27	343.467	17.4
96.000	6502.860	6516.638	13.715	0.010	6.90	22.99	343.463	17.4
94.000	6502.614	6516.448	13.771	0.010	3.35	7.33	343.482	17.9
92.000	6502.372	6516.744	14.303	0.009	-6.10	16.71	344.118	19.8
90.000	6502.117	6516.553	14.366	0.010	13.45	15.30	344.032	20.3
88.000	6501.840	6516.326	14.416	0.011	12.60	2.08	343.961	20.3
86.000	6501.557	6516.091	14.462	0.010	2.17	7.43	343.854	20.3
84.000	6501.276	6515.859	14.511	0.009	-5.00	7.34	343.804	19.8
82.000	6501.005	6515.626	14.548	0.011	10.25	14.44	343.787	19.8
102.000	6503.703	6518.463	14.684	0.013	13.30	31.73	343.401	18.4
80.000	6500.705	6515.566	14.783	0.009	0.75	14.28	343.550	17.9
60.000	6498.315	6513.286	14.890	0.010	11.65	7.32	343.575	17.9
40.000	6495.890	6510.973	15.000	0.009	-12.50	-5.37	343.586	17.7
20.000	6493.333	6508.506	15.088	0.010	-2.30	19.75	343.544	17.4
0.000	6490.688	6505.981	15.205	0.010	6.20	5.77	343.662	17.9

Ambient temp	Incl	PRB pres	SURF pres	Tide corr	Reading timestamp	Inc x	Inc y	Inner ht volts
7.9	33.35	14.43	0.00	-0.080	734390.789126	-26.90	-18.20	5.295
7.2	33.41	14.59	0.00	-0.074	734390.812905	15.55	28.75	5.350
6.8	32.97	14.59	12.32	-0.073	734390.818657	23.35	21.90	5.344
6.5	32.88	14.59	12.33	-0.072	734390.823698	22.35	22.80	5.349
6.1	32.92	14.59	12.33	-0.070	734390.830689	25.15	19.80	5.337
5.9	32.77	14.58	12.32	-0.069	734390.835394	18.50	26.00	5.345
5.6	32.90	14.58	12.33	-0.068	734390.839971	23.35	21.80	5.344
5.4	32.44	14.57	12.33	-0.068	734390.844167	10.50	30.30	5.342
5.3	32.47	14.55	12.33	-0.067	734390.848356	-5.90	31.80	5.349
5.2	33.34	14.50	12.33	-0.066	734390.854799	-2.33	-33.23	5.336
5.1	33.83	14.64	12.33	-0.064	734390.874867	-25.90	-20.20	5.365
5.0	33.80	14.64	12.33	-0.064	734390.879554	-22.40	-23.90	5.361
4.8	33.60	14.67	12.33	-0.063	734390.886140	-24.80	-21.15	5.360
4.7	33.27	14.66	12.33	-0.063	734390.890376	-25.60	-19.75	5.373
4.6	33.39	14.66	12.33	-0.063	734390.896181	-23.25	-22.55	5.353
4.4	33.43	14.67	12.33	-0.063	734390.900770	-20.10	-25.50	5.353
4.3	33.52	14.66	12.33	-0.063	734390.905422	-22.25	-23.70	5.356
4.1	33.71	14.67	12.33	-0.063	734390.910104	-24.45	-21.70	5.355
3.6	33.69	14.66	12.34	-0.069	734390.954392	-22.20	-23.95	5.312
3.5	33.71	14.65	12.33	-0.070	734390.959676	-18.00	-27.45	5.325
3.4	33.92	14.65	12.34	-0.071	734390.963819	-19.20	-26.80	5.328
3.3	33.89	14.65	12.33	-0.072	734390.967697	-23.70	-22.73	5.333
3.3	33.91	14.65	12.34	-0.073	734390.971725	-22.65	-23.80	5.332
3.2	34.06	14.64	12.34	-0.074	734390.974809	-19.20	-26.95	5.336
3.3	33.56	14.67	12.34	-0.076	734390.986192	-26.30	-19.30	5.352
3.3	33.99	14.65	12.34	-0.079	734390.994427	-21.35	-25.10	5.346
3.1	33.70	14.63	12.34	-0.081	734391.003362	-22.90	-23.30	5.341
3.0	33.51	14.59	12.34	-0.084	734391.012529	-18.50	-26.85	5.342
2.9	33.02	14.58	12.34	-0.086	734391.019838	-24.15	-21.10	5.343
3.3	32.84	14.51	12.34	-0.088	734391.029595	25.70	19.00	5.331

Num rpts	SCIN incl tvd	Station tvd	Station wld	Station number	Station depth shift	Station depth corr
2	0.000	0.000	0.000	1	0.000	0.000
2	67.142	67.142	80.000	9	0.000	0.000
2	58.773	58.773	70.000	8	0.000	0.000
2	50.419	50.419	60.000	7	0.000	0.000
2	42.022	42.022	50.000	6	0.000	0.000
2	33.651	33.651	40.000	5	0.000	0.000
2	25.248	25.248	30.000	4	0.000	0.000
2	16.858	16.858	20.000	3	0.000	0.000
2	8.420	8.420	10.000	2	0.000	0.000
3	0.000	0.000	0.000	1	0.000	0.000
2	72.118	72.118	86.000	12	0.000	0.000
2	77.103	77.103	92.000	15	0.000	0.000
2	82.099	82.099	98.000	18	0.000	0.000
2	85.440	85.440	102.000	20	0.000	0.000
2	83.769	83.769	100.000	19	0.000	0.000
2	82.099	82.099	98.000	18	0.000	0.000
2	80.432	80.432	96.000	17	0.000	0.000
2	78.767	78.767	94.000	16	0.000	0.000
2	77.103	77.103	92.000	15	0.000	0.000
2	75.440	75.440	90.000	14	0.000	0.000
2	73.778	73.778	88.000	13	0.000	0.000
3	72.118	72.118	86.000	12	0.000	0.000
2	70.458	70.458	84.000	11	0.000	0.000
2	68.799	68.799	82.000	10	0.000	0.000
1	85.440	85.440	102.000	20	0.000	0.000
2	67.142	67.142	80.000	9	0.000	0.000
2	50.419	50.419	60.000	7	0.000	0.000
2	33.651	33.651	40.000	5	0.000	0.000
2	16.858	16.858	20.000	3	0.000	0.000
2	0.000	0.000	0.000	1	0.000	0.000

terrain corr	Drift corr	BHGM temp corr	Rotation corr	Total Corrections	Corrected grav	FA corr
11.541	0.000	0.000	0.106	11.567	11.567	-432.191
7.442	-0.285	0.114	0.172	7.369	17.513	-411.497
7.884	-0.354	0.116	0.172	7.745	16.765	-414.076
8.343	-0.415	0.113	0.157	8.127	16.019	-416.651
8.823	-0.499	0.107	0.167	8.527	15.305	-419.239
9.320	-0.555	0.106	0.039	8.841	14.497	-421.819
9.831	-0.610	0.113	0.171	9.437	13.884	-424.409
10.348	-0.661	0.105	0.121	9.846	13.071	-426.995
10.869	-0.711	0.095	0.034	10.220	12.150	-429.596
11.541	-0.788	0.069	0.163	10.918	11.590	-432.191
7.185	-1.029	0.146	0.172	6.409	18.026	-409.963
6.933	-1.085	0.140	0.166	6.090	18.621	-408.427
6.686	-1.164	0.132	0.169	5.759	19.181	-406.887
6.522	-1.215	0.138	0.166	5.548	19.582	-405.857
6.604	-1.285	0.123	0.171	5.550	19.386	-406.372
6.686	-1.340	0.114	0.162	5.558	19.188	-406.887
6.767	-1.396	0.114	0.172	5.595	18.997	-407.401
6.850	-1.452	0.113	0.170	5.618	18.830	-407.914
6.933	-1.984	0.042	0.167	5.090	18.598	-408.427
7.017	-2.047	0.053	0.165	5.118	18.435	-408.939
7.101	-2.097	0.062	0.138	5.134	18.224	-409.451
7.185	-2.143	0.075	0.172	5.216	18.071	-409.963
7.271	-2.192	0.081	0.161	5.248	17.872	-410.475
7.357	-2.229	0.083	0.167	5.305	17.695	-410.986
6.522	-2.365	0.130	0.171	4.380	19.608	-405.857
7.442	-2.464	0.113	0.172	5.185	17.515	-411.497
8.343	-2.571	0.111	0.156	5.958	16.009	-416.651
9.320	-2.681	0.110	0.085	6.751	14.489	-421.819
10.348	-2.769	0.116	0.171	7.781	13.051	-426.995
11.541	-2.886	0.103	0.162	8.832	11.577	-432.191

Bouguer Anomaly
0.000
1.301
1.132
0.964
0.831
0.602
0.571
0.338
0.001
0.023
1.470
1.720
1.934
2.104
2.023
1.941
1.866
1.814
1.697
1.649
1.553
1.515
1.430
1.368
2.130
1.303
0.954
0.594
0.318
0.011

Well name	Rau_10_79			
Wellhead elevation		1401.8		
Wellhead latitude		64.199593		
Wellhead longitude		-134.41617		
Well units	m			
Density type	Inversion BHGM density			
Depth	Wireline		Density	Sigma density
0.000		0.000	2.826	0.016
8.420		10.000	2.406	0.017
16.858		20.000	2.498	0.017
25.248		30.000	2.801	0.010
33.651		40.000	2.526	0.010
42.022		50.000	2.664	0.012
50.419		60.000	2.604	0.012
58.773		70.000	2.601	0.009
67.142		80.000	2.406	0.027
68.799		82.000	2.401	0.025
70.458		84.000	2.384	0.017
72.118		86.000	2.382	0.017
73.778		88.000	2.240	0.026
75.440		90.000	2.289	0.019
77.103		92.000	2.264	0.019
78.767		94.000	2.401	0.025
80.432		96.000	2.342	0.025
82.099		98.000	2.300	0.026
83.769		100.000	2.411	0.021
85.440		102.000		

Well name	Rau_10_82			
Wellhead elevation		1287		
Wellhead latitude		64.19772		
Wellhead longitude		-134.41504		
Well units	m			
Density type	Conventional BHGM density			
Depth	Wireline		Density	Sigma density
0.000		0.000	2.662	0.085
7.904		9.000	2.178	0.255
10.529		12.000	2.050	0.000
13.166		15.000	2.316	0.007
15.803		18.000	2.631	0.151
18.443		21.000	2.378	0.184
21.077		24.000	2.701	0.000
23.720		27.000	2.586	0.000
26.363		30.000	2.618	0.132
29.004		33.000	2.705	0.133
31.632		36.000	2.604	0.000
34.272		39.000	2.646	0.000
36.924		42.000	2.427	0.058
39.573		45.000	2.615	0.058
42.206		48.000	2.720	0.185
44.838		51.000	2.382	0.185
47.471		54.000	2.764	0.068
50.110		57.000	2.669	0.068
52.759		60.000	2.451	0.000
55.411		63.000	2.581	0.078
58.059		66.000	2.508	0.078
60.704		69.000	2.739	0.000
63.354		72.000	2.467	0.000
66.006		75.000	2.944	0.085
68.656		78.000		

Well name	Rau_10_82
Wellhead elevation	1287
Wellhead latitude	64.19772
Wellhead longitude	-134.41504
Well units	m

SCIN wld	Logged grav	Raw grav	Field drift	SD	Tiltx	Tilty	BHGM temp	Elec temp
9.000	6518.111	6523.309	5.113	0.010	1.30	5.55	343.797	26.8
21.000	6519.351	6524.689	5.259	0.011	-2.60	12.29	343.502	24.5
33.000	6520.327	6525.796	5.396	0.010	-7.95	30.96	343.303	22.9
30.000	6520.114	6525.682	5.498	0.009	17.85	23.49	343.426	22.6
27.000	6519.899	6525.531	5.564	0.010	-1.40	24.33	343.424	22.6
24.000	6519.690	6525.395	5.641	0.009	15.85	1.31	343.435	22.1
21.000	6519.468	6525.232	5.701	0.011	12.97	-10.61	343.414	21.8
18.000	6519.214	6525.031	5.756	0.009	15.30	26.70	343.371	21.7
18.000	6519.211	6525.067	5.797	0.009	20.90	9.35	343.416	21.2
15.000	6518.928	6524.842	5.857	0.010	10.70	2.47	343.423	21.2
12.000	6518.641	6524.628	5.933	0.010	-9.85	-7.06	343.422	21.2
9.000	6518.325	6524.366	5.989	0.012	1.60	27.10	343.377	20.7
0.000	6517.377	6523.706	6.285	0.031	2.13	13.74	343.893	23.2
33.000	6520.496	6527.075	6.540	0.019	-2.15	8.57	343.609	23.1
39.000	6520.911	6527.571	6.623	0.023	4.10	18.06	343.480	22.6
45.000	6521.415	6528.151	6.700	0.021	26.55	36.22	343.328	22.1
51.000	6521.903	6528.756	6.819	0.015	-4.20	0.10	343.338	21.7
57.000	6522.407	6529.316	6.874	0.016	18.10	-30.21	343.195	21.5
66.000	6523.191	6530.201	6.975	0.012	11.40	9.22	343.152	20.7
57.000	6522.418	6529.520	7.067	0.010	7.80	6.59	343.359	20.7
66.000	6523.255	6530.468	7.178	0.011	3.60	-19.19	343.265	20.7
78.000	6524.322	6531.661	7.304	0.016	-10.85	31.44	341.138	14.9
75.000	6524.094	6531.503	7.373	0.012	3.15	8.34	341.971	14.6
72.000	6523.839	6531.320	7.443	0.011	-6.35	-2.33	342.511	15.1
69.000	6523.558	6531.107	7.511	0.013	14.60	13.97	342.822	15.6
66.000	6523.307	6530.916	7.568	0.010	-1.85	2.01	342.953	16.0
63.000	6523.056	6530.726	7.629	0.013	-7.25	2.42	343.097	16.5
60.000	6522.806	6530.580	7.730	0.013	-6.05	-9.62	343.236	17.0
57.000	6522.525	6530.358	7.788	0.011	19.05	14.32	343.269	17.4
54.000	6522.328	6530.215	7.841	0.010	-14.10	12.28	343.275	17.9
51.000	6522.069	6530.018	7.901	0.012	-6.80	6.89	343.287	17.9
48.000	6521.822	6529.819	7.948	0.009	-16.35	28.18	343.256	18.4
45.000	6521.595	6529.628	7.982	0.011	-13.40	31.26	343.219	18.4
42.000	6521.329	6529.415	8.034	0.012	-17.00	5.57	343.290	18.4
36.000	6520.855	6529.241	8.324	0.012	21.85	4.06	343.639	20.3
33.000	6520.664	6529.133	8.404	0.010	2.65	0.59	343.627	20.7
78.000	6524.429	6533.290	8.783	0.010	10.75	-0.60	341.696	14.4
33.000	6520.715	6529.747	8.949	0.010	17.55	11.14	342.748	15.4
21.000	6519.804	6528.944	9.054	0.010	6.25	-11.07	343.093	15.6
9.000	6518.608	6527.822	9.126	0.013	1.20	-2.91	343.186	16.0

Ambient temp	Incl	PRB pres	SURF pres	Tide corr	Reading timestamp	Inc x	Inc y	Inner ht volts
8.0	28.48	14.67	12.50	-0.085	734390.22734	21.30	18.00	5.317
7.4	28.40	14.68	12.50	-0.080	734390.24056	24.30	13.80	5.331
6.9	28.37	14.71	12.50	-0.074	734390.25301	22.15	16.80	5.337
6.5	28.26	14.72	12.50	-0.071	734390.26236	24.20	13.70	5.332
6.2	28.27	14.73	12.50	-0.068	734390.26836	22.50	16.20	5.337
5.8	28.19	14.72	12.50	-0.065	734390.27528	22.10	16.60	5.335
5.5	28.43	14.73	12.49	-0.063	734390.28079	22.43	16.53	5.332
5.3	28.57	14.71	12.49	-0.061	734390.28580	23.30	15.60	5.335
5.1	28.29	14.72	12.49	-0.059	734390.28947	22.90	15.70	5.331
5.0	28.37	14.70	12.49	-0.057	734390.29496	20.30	18.95	5.334
4.7	28.61	14.71	12.49	-0.055	734390.30185	17.10	22.20	5.333
4.5	28.67	14.71	12.49	-0.053	734390.30692	19.30	20.35	5.337
5.2	28.66	14.63	12.49	-0.044	734390.33384	18.47	21.10	5.309
5.0	28.39	14.69	12.49	-0.039	734390.35707	23.40	15.15	5.328
4.9	28.18	14.70	12.49	-0.037	734390.36462	22.70	15.80	5.333
4.8	28.80	14.70	12.49	-0.036	734390.37163	26.55	10.35	5.345
4.6	28.68	14.73	12.49	-0.035	734390.38237	23.60	15.35	5.342
4.6	28.20	14.73	12.48	-0.035	734390.38741	25.00	12.20	5.350
4.5	28.11	14.75	12.48	-0.035	734390.39662	24.85	12.30	5.348
4.3	28.25	14.73	12.48	-0.035	734390.40499	19.25	19.85	5.338
4.3	28.21	14.75	12.48	-0.035	734390.41500	21.55	17.30	5.347
4.3	27.93	14.76	12.48	-0.036	734390.42649	22.80	15.25	5.425
4.2	27.92	14.76	12.48	-0.037	734390.43275	18.10	20.50	5.382
4.1	27.84	14.74	12.48	-0.038	734390.43914	18.15	20.35	5.376
4.0	28.11	14.73	12.48	-0.039	734390.44529	18.80	20.10	5.364
3.9	28.19	14.74	12.48	-0.041	734390.45053	20.70	18.25	5.367
3.8	27.94	14.72	12.48	-0.042	734390.45604	20.80	17.80	5.350
3.6	27.80	14.71	12.48	-0.044	734390.46523	19.70	18.80	5.347
3.6	28.17	14.72	12.48	-0.046	734390.47047	19.65	19.35	5.352
3.5	28.62	14.71	12.48	-0.047	734390.47530	18.25	21.25	5.347
3.4	28.70	14.72	12.48	-0.049	734390.48074	18.30	21.30	5.347
3.4	28.63	14.71	12.48	-0.050	734390.48502	22.50	16.75	5.345
3.3	28.70	14.72	12.48	-0.051	734390.48817	25.80	11.70	5.347
3.3	27.14	14.71	12.48	-0.053	734390.49285	25.25	9.30	5.339
3.0	28.59	14.70	12.48	-0.063	734390.51918	19.80	-19.75	5.328
3.0	28.86	14.69	12.48	-0.065	734390.52652	22.30	-17.35	5.331
3.4	28.70	14.69	12.48	-0.078	734390.56097	-17.30	-22.15	5.407
3.3	29.06	14.61	12.48	-0.084	734390.57601	-18.30	-21.75	5.370
3.2	29.01	14.59	12.48	-0.087	734390.58559	-16.70	-23.00	5.358
3.2	29.32	14.58	12.48	-0.089	734390.59212	-16.30	-23.65	5.353

Num rpts	SCIN incl tvd	Station tvd	Station wld	Station number	Station depth shift	Station depth corr
2	7.904	7.904	9.000	2	0.000	0.000
2	18.443	18.443	21.000	6	0.000	0.000
2	29.004	29.004	33.000	10	0.000	0.000
2	26.363	26.363	30.000	9	0.000	0.000
2	23.720	23.720	27.000	8	0.000	0.000
2	21.077	21.077	24.000	7	0.000	0.000
3	18.443	18.443	21.000	6	0.000	0.000
1	15.803	15.803	18.000	5	0.000	0.000
1	15.803	15.803	18.000	5	0.000	0.000
2	13.166	13.166	15.000	4	0.000	0.000
2	10.529	10.529	12.000	3	0.000	0.000
2	7.904	7.904	9.000	2	0.000	0.000
3	0.000	0.000	0.000	1	0.000	0.000
2	29.004	29.004	33.000	10	0.000	0.000
2	34.272	34.272	39.000	12	0.000	0.000
2	39.573	39.573	45.000	14	0.000	0.000
2	44.838	44.838	51.000	16	0.000	0.000
2	50.110	50.110	57.000	18	0.000	0.000
2	58.059	58.059	66.000	21	0.000	0.000
2	50.110	50.110	57.000	18	0.000	0.000
2	58.059	58.059	66.000	21	0.000	0.000
2	68.656	68.656	78.000	25	0.000	0.000
2	66.006	66.006	75.000	24	0.000	0.000
2	63.354	63.354	72.000	23	0.000	0.000
2	60.704	60.704	69.000	22	0.000	0.000
2	58.059	58.059	66.000	21	0.000	0.000
2	55.411	55.411	63.000	20	0.000	0.000
2	52.759	52.759	60.000	19	0.000	0.000
2	50.110	50.110	57.000	18	0.000	0.000
2	47.471	47.471	54.000	17	0.000	0.000
2	44.838	44.838	51.000	16	0.000	0.000
2	42.206	42.206	48.000	15	0.000	0.000
1	39.573	39.573	45.000	14	0.000	0.000
2	36.924	36.924	42.000	13	0.000	0.000
2	31.632	31.632	36.000	11	0.000	0.000
2	29.004	29.004	33.000	10	0.000	0.000
2	68.656	68.656	78.000	25	0.000	0.000
2	29.004	29.004	33.000	10	0.000	0.000
2	18.443	18.443	21.000	6	0.000	0.000
2	7.904	7.904	9.000	2	0.000	0.000

terrain corr	Drift corr	BHGM temp corr	Rotation corr	Total Corrections	Corrected grav	FA corr
9.256	0.000	0.000	0.040	9.211	9.211	-394.371
9.279	-0.162	-0.007	0.033	9.063	10.444	-391.123
9.319	-0.315	-0.011	0.032	8.951	11.439	-387.868
9.311	-0.430	-0.007	0.044	8.847	11.221	-388.682
9.300	-0.504	-0.007	0.036	8.757	10.979	-389.496
9.290	-0.589	-0.007	0.047	8.677	10.764	-390.311
9.279	-0.656	-0.007	0.043	8.596	10.519	-391.123
9.267	-0.718	-0.008	0.043	8.524	10.247	-391.937
9.267	-0.763	-0.006	0.047	8.486	10.244	-391.937
9.257	-0.830	-0.006	0.047	8.412	9.945	-392.750
9.252	-0.915	-0.006	-0.010	8.267	9.586	-393.562
9.256	-0.977	-0.006	0.037	8.257	9.314	-394.371
9.493	-1.307	0.007	0.039	8.187	8.585	-396.808
9.319	-1.593	0.002	0.032	7.722	11.488	-387.868
9.328	-1.685	-0.001	0.040	7.644	11.906	-386.244
9.328	-1.771	-0.005	0.044	7.560	12.403	-384.610
9.316	-1.903	-0.004	0.005	7.379	12.827	-382.987
9.297	-1.965	-0.007	0.039	7.329	13.336	-381.362
9.247	-2.078	-0.008	0.046	7.173	14.065	-378.912
9.297	-2.181	-0.002	0.046	7.125	13.336	-381.362
9.247	-2.304	-0.004	0.034	6.938	14.097	-378.912
9.148	-2.445	-0.055	0.031	6.643	14.996	-375.645
9.176	-2.522	-0.034	0.041	6.624	14.819	-376.463
9.202	-2.600	-0.021	-0.004	6.539	14.550	-377.280
9.226	-2.676	-0.013	0.045	6.544	14.342	-378.097
9.247	-2.740	-0.010	0.023	6.480	14.087	-378.912
9.266	-2.808	-0.006	0.012	6.423	13.840	-379.728
9.283	-2.920	-0.002	-0.019	6.297	13.568	-380.546
9.297	-2.985	-0.001	0.046	6.311	13.361	-381.362
9.308	-3.044	-0.001	0.021	6.236	13.143	-382.176
9.316	-3.111	0.000	0.022	6.178	12.888	-382.987
9.323	-3.163	-0.001	0.027	6.136	12.646	-383.799
9.328	-3.202	-0.002	0.029	6.102	12.422	-384.610
9.329	-3.259	0.000	0.012	6.028	12.135	-385.427
9.324	-3.583	0.010	0.047	5.737	11.669	-387.058
9.319	-3.673	0.010	0.047	5.639	11.463	-387.868
9.148	-4.096	-0.035	0.047	4.986	14.967	-375.645
9.319	-4.280	-0.009	0.047	4.993	11.431	-387.868
9.279	-4.398	0.000	0.039	4.833	10.468	-391.123
9.256	-4.478	0.002	0.037	4.729	9.243	-394.371

Bouguer Anomaly
0.080
0.583
0.847
0.812
0.753
0.720
0.658
0.569
0.566
0.449
0.272
0.183
0.000
0.896
0.950
1.080
1.139
1.284
1.463
1.284
1.495
1.660
1.667
1.581
1.557
1.485
1.421
1.332
1.309
1.273
1.200
1.141
1.099
0.995
0.895
0.871
1.632
0.839
0.607
0.111

Well name	Rau_10_82			
Wellhead elevation		1287		
Wellhead latitude		64.19772		
Wellhead longitude		-134.41504		
Well units	m			
Density type	Inversion BHGM density			
Depth	Wireline		Density	Sigma density
0.000		0.000	2.533	0.010
7.904		9.000	2.520	0.015
10.529		12.000	2.122	0.025
13.166		15.000	2.316	0.024
15.803		18.000	2.510	0.017
18.443		21.000	2.496	0.017
21.077		24.000	2.671	0.024
23.720		27.000	2.601	0.024
26.363		30.000	2.650	0.020
29.004		33.000	2.661	0.020
31.632		36.000	2.612	0.024
34.272		39.000	2.628	0.024
36.924		42.000	2.498	0.025
39.573		45.000	2.560	0.026
42.206		48.000	2.568	0.017
44.838		51.000	2.552	0.017
47.471		54.000	2.711	0.025
50.110		57.000	2.678	0.025
52.759		60.000	2.483	0.024
55.411		63.000	2.556	0.024
58.059		66.000	2.543	0.024
60.704		69.000	2.698	0.024
63.354		72.000	2.510	0.024
66.006		75.000	2.682	0.031
68.656		78.000		

Well name	Rau_10_85			
Wellhead elevation		1257		
Wellhead latitude		64.197111		
Wellhead longitude		-134.414312		
Well units	m			
Density type	Conventional BHGM density			
Depth	Wireline		Density	Sigma density
0.000		0.000	2.340	0.027
7.818		9.000	2.734	0.061
11.299		13.010	2.759	0.035
13.887		16.000	2.894	0.034
16.490		19.000	2.925	0.000
19.089		22.000	2.817	0.169
21.691		25.000	2.811	0.169
24.293		28.000	3.043	0.101
26.897		31.000	2.433	0.101
29.506		34.000	2.548	0.000
32.110		37.000	2.361	0.000
34.714		40.000	2.764	0.000
37.321		43.000	2.086	0.090
39.065		45.005	2.503	0.060
41.671		48.000	2.560	0.048
44.285		51.005	2.552	0.049
46.890		54.000	2.743	0.005
49.515		57.000	2.651	0.005
52.151		60.000	2.778	0.108
54.767		63.000	2.919	0.108
57.370		66.000	3.011	0.002
59.981		69.000	2.646	0.002
62.594		72.000	2.749	0.000
65.200		74.990	2.832	0.000
67.834		78.000	2.719	0.185
70.463		81.000	2.593	0.186
73.083		84.000	2.526	0.000
75.704		87.000	2.582	0.000
78.332		90.000	2.664	0.000
80.959		93.000		

Well name	Rau_10_85
Wellhead elevation	1257
Wellhead latitude	64.197111
Wellhead longitude	-134.414312
Well units	m

SCIN wld	Logged grav	Raw grav	Field drift	SD	Tiltx	Tilty	BHGM temp	Elec temp
0.000	6522.253	6522.565	0.250	0.008	2.60	-3.001	343.935	27.30
9.000	6523.199	6523.559	0.300	0.010	2.80	15.714	343.727	27.05
25.000	6524.106	6524.575	0.412	0.011	10.00	3.979	343.518	25.90
45.020	6525.531	6526.084	0.498	0.009	-3.50	8.653	343.283	24.50
43.000	6525.369	6525.990	0.569	0.009	14.35	-12.675	343.310	24.25
40.000	6525.142	6525.826	0.632	0.010	-8.70	11.918	343.329	24.00
37.000	6524.889	6525.635	0.695	0.010	-2.90	18.776	343.300	23.50
34.000	6524.738	6525.547	0.760	0.011	13.95	-19.532	343.287	23.10
31.000	6524.451	6525.359	0.860	0.011	-3.35	-21.369	343.287	23.10
28.000	6524.386	6525.326	0.892	0.009	5.50	-2.858	343.307	22.85
25.000	6524.202	6525.174	0.925	0.010	-13.85	1.877	343.271	22.60
22.000	6524.020	6525.071	1.005	0.010	-17.40	11.285	343.240	22.10
19.000	6523.884	6524.981	1.051	0.010	-4.05	3.571	343.232	21.70
16.000	6523.765	6524.929	1.118	0.009	17.45	22.756	343.216	21.70
13.010	6523.569	6524.787	1.172	0.009	-6.20	0.306	343.156	21.70
9.000	6523.313	6524.571	1.213	0.009	15.30	4.857	343.179	21.20
0.000	6522.317	6523.641	1.278	0.009	-11.75	28.449	343.184	21.20
45.000	6525.679	6527.171	1.446	0.008	4.10	3.734	343.116	21.20
51.010	6526.138	6527.680	1.495	0.010	6.95	29.307	342.962	20.95
57.000	6526.577	6528.158	1.535	0.008	-1.80	-10.491	342.991	20.70
63.000	6526.951	6528.577	1.578	0.009	3.30	13.388	342.935	20.30
69.000	6527.326	6528.998	1.624	0.008	6.35	-7.307	342.877	19.80
81.000	6528.077	6529.823	1.697	0.009	-4.50	27.960	342.873	19.80
93.000	6529.050	6530.863	1.762	0.031	-35.00	6.653	340.777	12.70
90.000	6528.850	6530.716	1.814	0.009	4.55	10.511	341.346	11.55
87.000	6528.602	6530.501	1.847	0.010	-6.10	12.266	341.724	11.80
84.000	6528.379	6530.325	1.893	0.013	20.20	16.041	342.126	12.30
81.000	6528.168	6530.161	1.939	0.008	5.75	18.511	342.433	12.70
78.000	6527.961	6529.994	1.977	0.009	13.90	-0.082	342.613	13.20
74.990	6527.749	6529.830	2.025	0.009	-2.15	19.307	342.754	14.10
72.000	6527.549	6529.665	2.058	0.010	-4.35	8.449	342.805	14.10
69.000	6527.356	6529.511	2.096	0.011	22.95	12.531	342.818	14.60
66.000	6527.216	6529.414	2.139	0.011	17.00	16.715	342.847	15.10
63.000	6527.069	6529.308	2.178	0.009	-2.10	17.021	342.906	15.60
60.000	6526.869	6529.166	2.234	0.009	-11.30	3.184	342.960	16.00
57.000	6526.666	6529.005	2.275	0.009	-24.15	-5.021	343.041	16.00
54.000	6526.497	6528.876	2.314	0.011	-2.80	-8.103	343.044	16.50
51.000	6526.258	6528.693	2.368	0.009	9.15	12.245	343.004	17.00
48.000	6526.045	6528.533	2.420	0.010	16.35	23.409	343.005	17.20
45.000	6525.847	6528.401	2.483	0.009	16.65	-3.817	343.051	17.65
45.000	6525.819	6528.688	2.788	0.009	11.65	18.000	342.062	12.70
31.000	6524.805	6527.746	2.858	0.009	3.95	-24.043	342.481	13.20
16.000	6524.002	6527.014	2.926	0.009	4.90	6.735	342.610	13.70
9.000	6523.529	6526.583	2.968	0.010	-5.10	26.797	342.733	14.10
0.000	6522.618	6525.786	3.078	0.011	16.65	7.613	343.017	15.60

Ambient temp	Incl	PRB pres	SURF pres	Tide corr	Reading timestamp	Inc x	Inc y	Inner ht volts
9.30	29.64	14.71	12.60	-0.062	734389.78527	3.80	29.35	5.297
9.30	29.47	14.77	12.60	-0.061	734389.78976	3.25	29.25	5.315
8.80	29.81	14.81	12.60	-0.057	734389.79998	-5.90	-29.10	5.324
8.10	29.54	14.85	12.60	-0.055	734389.80780	-2.55	-29.40	5.337
7.70	29.54	14.86	12.60	-0.053	734389.81419	-6.00	-28.80	5.335
7.30	29.73	14.86	12.60	-0.052	734389.81998	-12.10	-26.70	5.337
6.90	29.83	14.87	12.60	-0.051	734389.82572	-3.40	-29.60	5.343
6.50	29.73	14.87	12.60	-0.050	734389.83162	-12.10	-26.70	5.343
6.00	29.57	14.87	12.59	-0.048	734389.84072	-14.60	-25.10	5.341
5.80	29.95	14.86	12.59	-0.048	734389.84363	-9.90	-27.95	5.345
5.70	29.75	14.85	12.59	-0.047	734389.84659	-8.85	-28.15	5.343
5.30	29.92	14.86	12.59	-0.046	734389.85387	-9.30	-28.15	5.345
5.10	29.98	14.86	12.59	-0.046	734389.85808	-7.45	-28.85	5.342
4.90	30.21	14.85	12.59	-0.046	734389.86415	-15.40	-25.30	5.350
4.70	29.87	14.83	12.59	-0.046	734389.86906	-19.15	-22.00	5.349
4.60	30.13	14.83	12.59	-0.045	734389.87281	-14.40	-25.85	5.348
4.50	30.47	14.78	12.59	-0.046	734389.87870	-1.90	-30.40	5.347
4.50	29.58	14.87	12.59	-0.046	734389.89399	-8.50	-28.10	5.350
4.50	29.61	14.86	12.59	-0.047	734389.89843	-19.45	-21.40	5.360
4.40	28.42	14.87	12.59	-0.047	734389.90201	-12.90	-24.85	5.352
4.40	29.86	14.88	12.59	-0.048	734389.90599	-10.85	-27.45	5.363
4.30	29.40	14.87	12.59	-0.048	734389.91018	-5.40	-28.80	5.364
4.20	28.98	14.90	12.59	-0.050	734389.91676	-8.00	-27.65	5.358
4.70	29.02	16.75	12.59	-0.051	734389.92269	-21.70	-18.30	5.434
4.50	28.70	14.95	12.58	-0.052	734389.92742	-13.00	-25.10	5.397
4.40	29.00	14.96	12.58	-0.053	734389.93041	-16.80	-22.90	5.396
4.30	29.23	14.95	12.58	-0.054	734389.93457	-16.30	-23.55	5.384
4.20	29.02	14.93	12.58	-0.055	734389.93876	-13.10	-25.40	5.377
4.10	28.63	14.93	12.58	-0.056	734389.94223	-12.05	-25.55	5.373
4.00	29.27	14.92	12.58	-0.057	734389.94657	-14.15	-25.05	5.368
3.90	29.47	14.90	12.58	-0.058	734389.94960	-16.20	-23.90	5.367
3.80	29.34	14.90	12.58	-0.059	734389.95305	-17.70	-22.60	5.370
3.70	29.64	14.89	12.58	-0.060	734389.95694	-19.50	-21.40	5.370
3.70	30.00	14.88	12.58	-0.061	734389.96054	-10.15	-27.90	5.372
3.60	28.73	14.88	12.58	-0.063	734389.96561	-17.65	-21.90	5.362
3.50	28.32	14.87	12.58	-0.064	734389.96935	-10.10	-26.15	5.358
3.40	29.50	14.86	12.58	-0.065	734389.97289	-6.45	-28.65	5.363
3.30	29.58	14.84	12.58	-0.067	734389.97781	-18.70	-22.05	5.366
3.30	29.54	14.85	12.57	-0.069	734389.98246	-20.35	-20.45	5.365
3.20	29.62	14.83	12.57	-0.071	734389.98819	-20.45	-20.45	5.357
4.00	29.58	14.90	12.57	-0.081	734390.01599	-20.95	-19.90	5.394
3.80	29.49	14.87	12.57	-0.084	734390.02228	-15.00	-24.75	5.382
3.60	29.69	14.86	12.57	-0.086	734390.02852	24.30	16.00	5.373
3.50	29.64	14.83	12.57	-0.087	734390.03231	9.85	27.65	5.370
3.80	29.94	14.79	12.56	-0.091	734390.04229	-3.05	29.75	5.362

Num rpts	SCIN incl tvd	Station tvd	Station wld	Station number	Station depth shift	Station depth corr
2	0.000	0.000	0.000	1	0.000	0.000
2	7.818	7.818	9.000	2	0.000	0.000
2	21.691	21.691	25.000	7	0.000	0.000
2	39.078	39.065	45.005	14	-0.013	-0.001
2	37.321	37.321	43.000	13	0.000	0.000
2	34.714	34.714	40.000	12	0.000	0.000
2	32.110	32.110	37.000	11	0.000	0.000
2	29.506	29.506	34.000	10	0.000	0.000
2	26.897	26.897	31.000	9	0.000	0.000
2	24.293	24.293	28.000	8	0.000	0.000
2	21.691	21.691	25.000	7	0.000	0.000
2	19.089	19.089	22.000	6	0.000	0.000
2	16.490	16.490	19.000	5	0.000	0.000
2	13.887	13.887	16.000	4	0.000	0.000
2	11.299	11.299	13.010	3	0.000	0.000
2	7.818	7.818	9.000	2	0.000	0.000
2	0.000	0.000	0.000	1	0.000	0.000
2	39.061	39.065	45.005	14	0.004	0.000
2	44.289	44.285	51.005	16	-0.004	0.000
2	49.515	49.515	57.000	18	0.000	0.000
2	54.767	54.767	63.000	20	0.000	0.000
2	59.981	59.981	69.000	22	0.000	0.000
2	70.463	70.463	81.000	26	0.000	0.000
1	80.959	80.959	93.000	30	0.000	0.000
2	78.332	78.332	90.000	29	0.000	0.000
2	75.704	75.704	87.000	28	0.000	0.000
2	73.083	73.083	84.000	27	0.000	0.000
2	70.463	70.463	81.000	26	0.000	0.000
2	67.834	67.834	78.000	25	0.000	0.000
2	65.200	65.200	74.990	24	0.000	0.000
2	62.594	62.594	72.000	23	0.000	0.000
2	59.981	59.981	69.000	22	0.000	0.000
2	57.370	57.370	66.000	21	0.000	0.000
2	54.767	54.767	63.000	20	0.000	0.000
2	52.151	52.151	60.000	19	0.000	0.000
2	49.515	49.515	57.000	18	0.000	0.000
2	46.890	46.890	54.000	17	0.000	0.000
2	44.281	44.285	51.005	16	0.004	0.000
2	41.671	41.671	48.000	15	0.000	0.000
2	39.061	39.065	45.005	14	0.004	0.000
2	39.061	39.065	45.005	14	0.004	0.000
2	26.897	26.897	31.000	9	0.000	0.000
2	13.887	13.887	16.000	4	0.000	0.000
2	7.818	7.818	9.000	2	0.000	0.000
2	0.000	0.000	0.000	1	0.000	0.000

terrain corr	Drift corr	BHGM temp corr	Rotation corr	Total Corrections	Corrected grav	FA corr
9.345	0.000	0.000	-0.006	9.277	9.277	-387.561
9.243	-0.056	0.005	0.049	9.180	10.174	-385.151
9.316	-0.184	0.009	0.028	9.113	11.122	-380.875
9.472	-0.282	0.015	0.055	9.204	12.723	-375.519
9.459	-0.362	0.013	-0.002	9.056	12.481	-376.057
9.438	-0.434	0.012	0.056	9.021	12.282	-376.861
9.416	-0.506	0.012	0.053	8.924	11.995	-377.663
9.392	-0.579	0.012	-0.009	8.766	11.748	-378.466
9.367	-0.693	0.011	0.030	8.666	11.460	-379.270
9.340	-0.730	0.010	0.005	8.578	11.339	-380.073
9.316	-0.766	0.011	0.055	8.569	11.178	-380.875
9.293	-0.858	0.011	0.057	8.457	10.963	-381.677
9.271	-0.910	0.011	0.057	8.383	10.799	-382.478
9.252	-0.986	0.010	0.040	8.270	10.634	-383.280
9.235	-1.047	0.011	0.055	8.208	10.430	-384.078
9.243	-1.094	0.010	0.026	8.140	10.146	-385.151
9.345	-1.168	0.010	0.055	8.197	9.273	-387.561
9.472	-1.359	0.010	0.036	8.113	12.719	-375.519
9.508	-1.414	0.013	0.048	8.107	13.222	-373.911
9.535	-1.459	0.012	0.030	8.071	13.664	-372.298
9.554	-1.509	0.013	0.048	8.058	14.070	-370.679
9.566	-1.561	0.014	-0.006	7.965	14.399	-369.073
9.561	-1.644	0.014	0.053	7.935	15.193	-365.842
9.524	-1.718	0.068	0.056	7.879	16.177	-362.606
9.535	-1.777	0.053	0.045	7.804	15.955	-363.416
9.546	-1.814	0.042	0.056	7.777	15.714	-364.226
9.555	-1.866	0.031	0.035	7.701	15.461	-365.034
9.561	-1.919	0.023	0.047	7.657	15.254	-365.842
9.566	-1.962	0.018	0.018	7.584	15.013	-366.652
9.568	-2.016	0.014	0.052	7.561	14.826	-367.464
9.568	-2.054	0.012	0.056	7.524	14.624	-368.267
9.566	-2.097	0.011	0.031	7.452	14.398	-369.073
9.562	-2.146	0.010	0.037	7.404	14.253	-369.877
9.554	-2.191	0.008	0.052	7.363	14.106	-370.679
9.545	-2.254	0.006	0.056	7.290	13.891	-371.486
9.535	-2.301	0.004	0.052	7.226	13.665	-372.298
9.522	-2.345	0.003	0.034	7.149	13.459	-373.107
9.507	-2.407	0.004	0.040	7.078	13.206	-373.911
9.491	-2.465	0.003	0.041	7.001	12.969	-374.716
9.472	-2.536	0.001	0.012	6.878	12.714	-375.519
9.472	-2.884	0.024	0.042	6.573	12.697	-375.519
9.367	-2.962	0.012	-0.021	6.312	11.493	-379.270
9.252	-3.040	0.008	0.041	6.174	10.623	-383.280
9.243	-3.088	0.005	0.053	6.126	10.145	-385.151
9.345	-3.213	-0.004	0.029	6.068	9.289	-387.561

Bouguer Anomaly
0.000
0.356
0.344
0.742
0.621
0.602
0.495
0.429
0.321
0.380
0.399
0.365
0.381
0.396
0.371
0.328
-0.005
0.739
0.880
0.960
1.003
0.970
1.039
1.297
1.256
1.197
1.126
1.100
1.041
1.037
1.015
0.970
1.005
1.038
1.005
0.961
0.937
0.864
0.808
0.733
0.716
0.355
0.385
0.326
0.011

Well name	Rau_10_85			
Wellhead elevation		1257		
Wellhead latitude		64.197111		
Wellhead longitude		-134.414312		
Well units	m			
Density type	Inversion BHGM density			
Depth	Wireline		Density	Sigma density
0.000		0.000	2.386	0.018
7.818		9.000	2.661	0.031
11.299		13.010	2.774	0.027
13.887		16.000	2.870	0.027
16.490		19.000	2.910	0.025
19.089		22.000	2.818	0.018
21.691		25.000	2.817	0.018
24.293		28.000	2.784	0.022
26.897		31.000	2.680	0.022
29.506		34.000	2.548	0.025
32.110		37.000	2.408	0.024
34.714		40.000	2.678	0.024
37.321		43.000	2.355	0.029
39.065		45.005	2.396	0.025
41.671		48.000	2.550	0.027
44.285		51.005	2.563	0.027
46.890		54.000	2.720	0.024
49.515		57.000	2.674	0.025
52.151		60.000	2.833	0.021
54.767		63.000	2.858	0.021
57.370		66.000	2.967	0.025
59.981		69.000	2.685	0.024
62.594		72.000	2.748	0.024
65.200		74.990	2.809	0.025
67.834		78.000	2.662	0.017
70.463		81.000	2.654	0.017
73.083		84.000	2.543	0.025
75.704		87.000	2.586	0.024
78.332		90.000	2.658	0.025
80.959		93.000		

Well name	Rau_10_86			
Wellhead elevation		1277		
Wellhead latitude		64.197592		
Wellhead longitude		-134.415578		
Well units	m			
Density type	Conventional BHGM density			
Depth	Wireline		Density	Sigma density
0.000		0.000	2.191	0.036
5.157		6.000	2.014	0.032
11.196		13.000	2.707	0.007
13.773		16.000	2.253	0.007
16.352		19.000	2.654	0.000
18.934		22.000	2.349	0.040
21.518		25.000	2.411	0.040
24.100		28.000	2.388	0.022
26.686		31.000	2.208	0.023
29.271		34.000	2.459	0.000
31.857		37.000	2.982	0.000
34.447		40.000	2.208	0.000
37.037		43.000	3.045	0.268
38.764		45.000	2.541	0.179
41.353		48.000	2.943	0.085
43.942		51.000	2.620	0.085
46.536		54.000	2.804	0.084
49.133		57.000	2.551	0.084
51.726		60.000	2.763	0.014
54.319		63.000	3.138	0.014
56.909		66.000	2.409	0.101
59.501		69.000	2.671	0.101
62.091		72.000	2.716	0.000
64.685		75.000	2.904	0.000
67.281		78.000	2.514	0.000
69.873		81.000	2.700	0.000
72.464		84.000	2.724	0.014
75.053		87.000		

Well name	Rau_10_86
Wellhead elevation	1277
Wellhead latitude	64.197592
Wellhead longitude	-134.415578
Well units	m

SCIN wld	Logged grav	Raw grav	Field drift	SD	Tiltx	Tilty	BHGM temp	Elec temp
0.000	6514.648	6550.449	35.727	0.008	0.30	4.45	344.659	24.5
6.000	6515.160	6551.021	35.786	0.009	11.80	-26.27	344.439	24.0
25.000	6516.731	6552.676	35.869	0.010	18.45	23.51	344.030	22.9
45.000	6518.465	6554.500	35.958	0.009	5.60	-0.84	343.881	21.7
43.000	6518.312	6554.388	35.999	0.009	-7.50	15.98	343.922	21.2
40.000	6518.083	6554.195	36.035	0.008	-0.85	-22.94	343.929	21.2
37.000	6517.818	6553.976	36.081	0.010	-3.20	28.92	343.899	20.7
34.000	6517.547	6553.756	36.131	0.012	-7.05	29.80	343.893	20.3
31.000	6517.242	6553.502	36.183	0.007	-21.00	10.35	343.887	20.3
28.000	6516.967	6553.281	36.235	0.009	-9.90	5.23	343.947	19.8
25.000	6516.691	6553.078	36.309	0.009	13.55	2.21	343.962	19.8
22.000	6516.417	6552.855	36.359	0.009	-20.95	11.80	343.925	19.6
19.000	6516.190	6552.679	36.410	0.010	0.70	12.39	343.924	19.3
16.000	6515.938	6552.467	36.450	0.010	-32.50	6.02	343.953	19.3
13.000	6515.727	6552.306	36.501	0.009	3.40	4.88	343.940	19.1
6.000	6515.127	6551.754	36.547	0.009	-1.00	-13.46	343.924	18.8
0.000	6514.598	6551.314	36.636	0.009	-0.35	-0.86	344.032	19.1
45.000	6518.264	6555.146	36.803	0.010	-13.00	6.51	343.680	19.3
51.000	6518.707	6555.653	36.867	0.009	-16.30	20.21	343.681	18.8
57.000	6519.180	6556.178	36.919	0.010	9.75	6.39	343.632	18.4
63.000	6519.647	6556.724	36.998	0.010	2.80	21.84	343.622	18.2
69.000	6520.071	6557.220	37.070	0.010	0.40	15.02	343.698	17.9
87.000	6521.566	6558.834	37.189	0.010	12.25	20.86	341.817	9.4
84.000	6521.311	6558.627	37.238	0.010	16.90	13.57	341.649	9.0
81.000	6521.049	6558.408	37.280	0.009	12.25	22.21	341.556	8.5
78.000	6520.811	6558.234	37.345	0.010	-15.65	-9.69	342.052	9.2
75.000	6520.560	6558.069	37.430	0.010	-15.90	3.59	342.832	9.9
72.000	6520.289	6557.888	37.520	0.009	-14.05	12.00	343.254	10.9
69.000	6520.036	6557.686	37.571	0.010	-5.65	12.14	343.377	11.6
66.000	6519.794	6557.510	37.638	0.011	-4.05	-14.71	343.541	12.3
63.000	6519.539	6557.342	37.725	0.010	-2.10	7.76	343.593	13.5
60.000	6519.310	6557.182	37.793	0.008	8.45	2.80	343.658	14.1
57.000	6519.076	6557.007	37.853	0.011	3.75	-15.04	343.747	14.6
54.000	6518.817	6556.801	37.906	0.009	-13.05	14.88	343.746	15.1
51.000	6518.580	6556.615	37.956	0.028	-13.35	9.68	343.768	15.1
48.000	6518.380	6556.481	38.021	0.010	-8.35	6.76	343.763	15.6
45.000	6518.142	6556.319	38.097	0.009	-22.15	5.76	343.810	16.0
87.000	6521.408	6559.780	38.291	0.011	-5.40	7.43	341.906	9.2
45.000	6518.101	6556.646	38.463	0.011	-10.50	-5.90	342.921	10.4
31.000	6516.891	6555.511	38.537	0.012	-1.50	1.47	343.246	10.9
16.000	6515.596	6554.309	38.629	0.010	-8.25	10.43	343.484	11.8
6.000	6514.733	6553.490	38.673	0.012	31.10	-35.20	343.634	12.7
0.000	6514.182	6553.053	38.786	0.011	16.00	16.06	343.792	14.1

Ambient temp	Incl	PRB pres	SURF pres	Tide corr	Reading timestamp	Inc x	Inc y	Inner ht volts
5.9	30.93	14.77	12.67	-0.074	734392.739740	26.55	-14.70	5.304
6.0	30.67	14.82	12.67	-0.075	734392.744664	-9.65	-28.80	5.327
5.9	30.59	14.87	12.68	-0.076	734392.751620	-20.25	-21.90	5.338
5.6	30.18	14.91	12.68	-0.077	734392.759010	-15.65	-25.10	5.350
5.5	30.35	14.92	12.68	-0.077	734392.762413	-13.00	-26.90	5.350
5.3	30.27	14.91	12.68	-0.078	734392.765411	-13.90	-26.30	5.352
5.1	30.36	14.93	12.68	-0.078	734392.769219	-17.45	-24.00	5.346
4.9	30.53	14.94	12.68	-0.078	734392.773455	-21.30	-20.80	5.348
4.7	30.38	14.95	12.68	-0.078	734392.777737	-27.35	-12.20	5.351
4.5	30.52	14.95	12.68	-0.079	734392.782066	-17.25	-24.35	5.351
4.2	30.67	14.95	12.68	-0.079	734392.788229	-17.35	-24.45	5.351
4.1	30.54	14.93	12.68	-0.079	734392.792436	-23.30	-18.60	5.350
3.9	30.65	14.95	12.68	-0.079	734392.796701	-20.80	-21.45	5.352
3.8	30.76	14.93	12.68	-0.079	734392.799988	-14.55	-26.45	5.357
3.7	30.81	14.93	12.68	-0.079	734392.804219	-13.90	-26.90	5.354
3.6	30.81	14.92	12.68	-0.080	734392.808056	-14.23	-26.70	5.355
3.6	31.03	14.87	12.68	-0.080	734392.815480	21.55	-21.20	5.350
4.0	30.19	14.94	12.68	-0.080	734392.829387	-17.90	-23.45	5.360
3.9	30.30	14.94	12.68	-0.079	734392.834786	-16.90	-24.35	5.360
3.9	30.03	14.94	12.68	-0.079	734392.839074	-20.90	-20.55	5.359
3.8	30.27	14.95	12.68	-0.079	734392.845689	-25.20	-15.65	5.362
3.7	30.29	14.97	12.68	-0.079	734392.851684	-14.60	-25.90	5.363
3.8	30.41	24.37	12.68	-0.079	734392.861609	-13.20	-26.85	5.431
3.1	30.29	20.53	12.68	-0.079	734392.865637	-22.40	-19.30	5.435
2.7	30.28	16.78	12.68	-0.079	734392.869126	-20.00	-21.75	5.436
2.6	30.14	15.03	12.68	-0.079	734392.874572	-9.25	-28.40	5.405
2.5	30.07	15.03	12.68	-0.079	734392.881701	-13.70	-26.20	5.399
2.5	30.21	15.02	12.68	-0.079	734392.889178	-12.90	-26.80	5.384
2.4	30.42	15.00	12.68	-0.079	734392.893380	-14.10	-26.35	5.387
2.4	30.16	15.00	12.68	-0.079	734392.898993	-12.90	-26.75	5.378
2.3	30.46	14.99	12.68	-0.079	734392.906215	-20.65	-21.35	5.363
2.3	30.12	14.98	12.68	-0.079	734392.911939	-21.40	-20.15	5.367
2.3	30.27	14.96	12.68	-0.079	734392.916875	-15.20	-25.50	5.366
2.2	30.10	14.96	12.68	-0.079	734392.921296	-16.45	-24.45	5.367
2.2	30.21	14.96	12.68	-0.079	734392.925532	-15.55	-25.20	5.365
2.2	30.40	14.96	12.68	-0.080	734392.930949	-20.10	-21.80	5.360
2.1	30.26	14.94	12.68	-0.080	734392.937216	-23.30	-18.20	5.363
3.3	30.50	24.32	12.68	-0.081	734392.953438	-18.30	-23.50	5.430
2.6	30.27	14.99	12.68	-0.082	734392.967737	-22.80	-18.80	5.393
2.5	30.53	14.96	12.68	-0.083	734392.973900	-3.35	-30.30	5.387
2.4	30.81	14.93	12.68	-0.084	734392.981574	12.80	-27.50	5.381
2.4	29.95	14.91	12.68	-0.084	734392.985243	13.30	26.30	5.376
2.7	30.80	14.90	12.68	-0.085	734392.994659	-29.60	7.75	5.359

Num rpts	SCIN incl tvd	Station tvd	Station wld	Station number	Station depth shift	Station depth corr
2	0.000	0.000	0.000	1	0.000	0.000
2	5.157	5.157	6.000	2	0.000	0.000
2	21.518	21.518	25.000	7	0.000	0.000
2	38.764	38.764	45.000	14	0.000	0.000
2	37.037	37.037	43.000	13	0.000	0.000
2	34.447	34.447	40.000	12	0.000	0.000
2	31.857	31.857	37.000	11	0.000	0.000
2	29.271	29.271	34.000	10	0.000	0.000
2	26.686	26.686	31.000	9	0.000	0.000
2	24.100	24.100	28.000	8	0.000	0.000
2	21.518	21.518	25.000	7	0.000	0.000
2	18.934	18.934	22.000	6	0.000	0.000
2	16.352	16.352	19.000	5	0.000	0.000
2	13.773	13.773	16.000	4	0.000	0.000
2	11.196	11.196	13.000	3	0.000	0.000
3	5.157	5.157	6.000	2	0.000	0.000
2	0.000	0.000	0.000	1	0.000	0.000
2	38.764	38.764	45.000	14	0.000	0.000
2	43.942	43.942	51.000	16	0.000	0.000
2	49.133	49.133	57.000	18	0.000	0.000
2	54.319	54.319	63.000	20	0.000	0.000
2	59.501	59.501	69.000	22	0.000	0.000
2	75.053	75.053	87.000	28	0.000	0.000
2	72.464	72.464	84.000	27	0.000	0.000
2	69.873	69.873	81.000	26	0.000	0.000
2	67.281	67.281	78.000	25	0.000	0.000
2	64.685	64.685	75.000	24	0.000	0.000
2	62.091	62.091	72.000	23	0.000	0.000
2	59.501	59.501	69.000	22	0.000	0.000
2	56.909	56.909	66.000	21	0.000	0.000
2	54.319	54.319	63.000	20	0.000	0.000
2	51.726	51.726	60.000	19	0.000	0.000
2	49.133	49.133	57.000	18	0.000	0.000
2	46.536	46.536	54.000	17	0.000	0.000
2	43.942	43.942	51.000	16	0.000	0.000
2	41.353	41.353	48.000	15	0.000	0.000
2	38.764	38.764	45.000	14	0.000	0.000
2	75.053	75.053	87.000	28	0.000	0.000
2	38.764	38.764	45.000	14	0.000	0.000
2	26.686	26.686	31.000	9	0.000	0.000
2	13.773	13.773	16.000	4	0.000	0.000
1	5.157	5.157	6.000	2	0.000	0.000
2	0.000	0.000	0.000	1	0.000	0.000

terrain corr	Drift corr	BHGM temp corr	Rotation corr	Total Corrections	Corrected grav	FA corr
9.262	0.000	0.000	0.094	9.282	9.282	-393.725
9.419	-0.050	0.000	0.036	9.330	9.902	-392.136
9.654	-0.121	-0.001	0.093	9.549	11.776	-387.093
9.661	-0.197	-0.001	0.073	9.459	13.510	-381.777
9.670	-0.232	-0.001	0.087	9.448	13.387	-382.309
9.677	-0.262	-0.001	-0.015	9.322	13.068	-383.108
9.679	-0.301	-0.001	0.092	9.391	12.918	-383.906
9.679	-0.345	-0.001	0.090	9.346	12.654	-384.703
9.676	-0.388	-0.001	0.070	9.279	12.332	-385.500
9.666	-0.433	-0.001	0.071	9.225	12.057	-386.297
9.654	-0.496	-0.001	0.082	9.160	11.789	-387.093
9.636	-0.539	-0.001	0.072	9.089	11.496	-387.889
9.612	-0.582	-0.001	0.094	9.044	11.274	-388.685
9.582	-0.616	-0.001	0.061	8.948	10.966	-389.480
9.545	-0.659	-0.001	0.094	8.901	10.758	-390.274
9.419	-0.698	-0.001	-0.013	8.627	9.932	-392.136
9.262	-0.774	0.000	0.002	8.409	9.274	-393.725
9.661	-0.916	-0.001	0.071	8.734	13.431	-381.777
9.634	-0.972	-0.001	0.082	8.665	13.870	-380.181
9.593	-1.015	-0.001	0.090	8.587	14.316	-378.581
9.541	-1.083	-0.001	0.094	8.472	14.748	-376.982
9.480	-1.144	-0.001	0.093	8.350	15.121	-375.385
9.254	-1.246	-0.003	0.094	8.020	16.405	-370.592
9.297	-1.287	-0.004	0.091	8.018	16.196	-371.390
9.337	-1.323	-0.004	0.094	8.026	15.985	-372.188
9.376	-1.378	-0.003	0.031	7.947	15.732	-372.987
9.413	-1.451	-0.002	0.062	7.944	15.564	-373.787
9.447	-1.528	-0.001	0.078	7.917	15.355	-374.587
9.480	-1.571	-0.001	0.087	7.917	15.154	-375.385
9.512	-1.628	-0.001	-0.004	7.801	14.862	-376.184
9.541	-1.702	-0.001	0.090	7.850	14.743	-376.982
9.568	-1.760	0.000	0.085	7.814	14.547	-377.782
9.593	-1.811	0.000	0.028	7.731	14.289	-378.581
9.615	-1.856	0.000	0.081	7.761	14.113	-379.381
9.634	-1.899	0.000	0.075	7.731	13.897	-380.181
9.650	-1.955	0.000	0.077	7.692	13.724	-380.979
9.661	-2.019	0.000	0.064	7.625	13.495	-381.777
9.254	-2.184	-0.003	0.083	7.069	16.401	-370.592
9.661	-2.331	-0.001	0.033	7.279	13.476	-381.777
9.676	-2.394	-0.001	0.079	7.278	12.340	-385.500
9.582	-2.472	0.000	0.082	7.108	10.968	-389.480
9.419	-2.510	0.000	0.049	6.874	9.915	-392.136
9.262	-2.606	0.000	0.092	6.664	9.268	-393.725

Bouguer Anomaly
0.000
0.263
1.005
1.546
1.542
1.403
1.431
1.346
1.204
1.107
1.019
0.903
0.861
0.731
0.701
0.293
-0.008
1.467
1.547
1.634
1.707
1.721
1.929
1.900
1.867
1.794
1.806
1.777
1.754
1.642
1.702
1.686
1.607
1.611
1.574
1.581
1.531
1.925
1.512
1.211
0.733
0.277
-0.014

Well name	Rau_10_86			
Wellhead elevation		1277		
Wellhead latitude		64.197592		
Wellhead longitude		-134.415578		
Well units	m			
Density type	Inversion BHGM density			
Depth	Wireline		Density	Sigma density
0.000		0.000	2.193	0.029
5.157		6.000	2.037	0.024
11.196		13.000	2.654	0.027
13.773		16.000	2.307	0.026
16.352		19.000	2.610	0.027
18.934		22.000	2.375	0.031
21.518		25.000	2.401	0.031
24.100		28.000	2.378	0.027
26.686		31.000	2.240	0.027
29.271		34.000	2.474	0.026
31.857		37.000	2.898	0.026
34.447		40.000	2.297	0.027
37.037		43.000	2.713	0.022
38.764		45.000	2.731	0.023
41.353		48.000	2.822	0.029
43.942		51.000	2.732	0.029
46.536		54.000	2.719	0.029
49.133		57.000	2.648	0.029
51.726		60.000	2.777	0.027
54.319		63.000	3.071	0.027
56.909		66.000	2.541	0.027
59.501		69.000	2.592	0.027
62.091		72.000	2.718	0.027
64.685		75.000	2.866	0.026
67.281		78.000	2.551	0.026
69.873		81.000	2.690	0.026
72.464		84.000	2.712	0.027
75.053		87.000		

Well name	Rau_10_90			
Wellhead elevation		1347		
Wellhead latitude		64.19884		
Wellhead longitude		-134.41664		
Well units	m			
Density type	Conventional BHGM density			
Depth	Wireline		Density	Sigma density
0.000		0.000	2.728	0.062
8.699		10.000	2.537	0.040
17.395		20.000	2.454	0.015
27.831		32.003	2.295	0.026
29.576		34.010	2.547	0.000
31.319		36.010	2.249	0.000
33.061		38.010	2.323	0.000
34.796		40.000	2.318	0.000
36.550		42.010	2.380	0.179
38.289		44.000	2.434	0.178
40.040		46.000	2.592	0.000
41.789		48.000	2.311	0.092
43.540		50.000	2.325	0.092
45.289		52.000	2.012	0.000
47.040		54.000	2.396	0.106
48.793		56.000	2.674	0.106
50.547		58.000	2.166	0.000
52.302		60.000	2.002	0.121
54.057		62.000	2.217	0.121
55.813		64.000	2.334	0.000
57.572		66.000	2.685	0.049
59.331		68.000	2.520	0.049
61.088		70.000	2.318	0.000
62.844		72.000	2.680	0.072
66.361		76.000		

Well name	Rau_10_90
Wellhead elevation	1347
Wellhead latitude	64.19884
Wellhead longitude	-134.41664
Well units	m

SCIN wld	Logged grav	Raw grav	Field drift	SD	Tiltx	Tilty	BHGM temp	Elec temp
0.000	6501.412	6519.115	17.622	0.010	-3.05	-1.54	344.524	27.05
10.000	6502.748	6520.522	17.696	0.014	4.55	26.51	344.092	26.80
20.000	6504.013	6521.924	17.838	0.009	7.40	13.95	343.883	25.00
32.000	6505.472	6523.506	17.966	0.011	-3.00	3.12	343.645	23.75
44.000	6506.912	6525.094	18.120	0.010	-13.10	1.81	343.550	21.70
42.010	6506.675	6524.918	18.183	0.010	-5.35	4.34	343.645	21.70
40.000	6506.423	6524.722	18.242	0.008	8.00	25.65	343.648	21.20
38.010	6506.172	6524.541	18.315	0.010	-20.10	15.81	343.663	21.20
36.010	6505.959	6524.384	18.373	0.011	4.10	-2.50	343.664	20.70
34.010	6505.700	6524.195	18.446	0.010	-11.40	2.59	343.673	20.70
32.010	6505.438	6523.992	18.507	0.012	-9.95	3.46	343.666	20.30
20.000	6504.064	6522.707	18.600	0.008	18.60	-4.13	343.687	19.80
10.000	6502.799	6521.520	18.681	0.010	2.90	21.22	343.714	19.80
0.000	6501.403	6520.357	18.923	0.012	-8.55	-4.97	344.275	22.10
44.000	6506.841	6526.054	19.190	0.009	0.60	8.63	343.691	21.20
50.000	6507.558	6526.869	19.289	0.010	4.80	7.28	343.562	20.30
56.000	6508.317	6527.715	19.378	0.009	9.55	21.98	343.493	19.80
62.000	6509.093	6528.557	19.445	0.010	9.75	13.85	343.407	19.30
68.000	6509.805	6529.339	19.517	0.009	-2.10	11.93	343.358	19.05
76.000	6510.693	6530.315	19.606	0.010	1.10	30.08	343.369	18.60
72.000	6510.266	6529.939	19.658	0.011	3.10	14.53	343.417	18.60
70.000	6510.064	6529.779	19.700	0.010	14.25	-7.78	343.444	18.40
68.000	6509.784	6529.544	19.747	0.010	-5.85	9.51	343.483	18.40
66.000	6509.568	6529.388	19.806	0.010	1.00	12.98	343.535	18.40
64.000	6509.318	6529.188	19.856	0.010	1.10	25.38	343.538	18.40
62.000	6509.065	6528.988	19.911	0.010	-12.80	17.36	343.540	18.40
60.000	6508.825	6528.808	19.970	0.008	-1.90	-10.76	343.533	18.40
58.000	6508.570	6528.603	20.020	0.010	0.65	-3.05	343.534	18.40
56.000	6508.312	6528.395	20.070	0.010	9.50	4.14	343.513	18.40
54.000	6508.029	6528.188	20.145	0.010	-0.20	7.12	343.563	18.40
52.000	6507.731	6527.970	20.225	0.009	-19.35	9.97	343.622	18.40
50.000	6507.496	6527.821	20.310	0.009	-23.05	-14.11	343.641	18.80
48.000	6507.279	6527.659	20.364	0.010	-3.80	-6.60	343.605	18.80
46.000	6507.017	6527.448	20.415	0.010	-12.25	14.87	343.580	18.80
44.000	6506.789	6527.262	20.456	0.010	5.75	27.22	343.576	18.60
76.000	6510.614	6531.338	20.703	0.010	-1.70	-6.69	343.704	18.80
44.000	6506.774	6527.611	20.814	0.011	-21.40	26.27	343.630	18.40
32.000	6505.298	6526.232	20.908	0.009	-8.65	3.90	343.603	18.40
20.000	6503.879	6524.907	21.000	0.010	34.70	12.80	343.682	18.40
10.000	6502.622	6523.707	21.055	0.010	1.35	11.02	343.731	18.60
0.000	6501.207	6522.388	21.148	0.011	7.35	13.02	343.956	19.80

Ambient temp	Incl	PRB pres	SURF pres	Tide corr	Reading timestamp	Inc x	Inc y	Inner ht volts
8.80	29.06	14.59	12.44	-0.081	734391.23101	6.80	28.10	5.286
8.90	29.94	14.61	12.44	-0.079	734391.23715	29.30	-5.60	5.304
8.50	29.71	14.66	12.45	-0.074	734391.24898	24.80	15.30	5.323
8.00	29.51	14.69	12.45	-0.069	734391.25965	27.75	9.25	5.328
7.40	29.07	14.70	12.45	-0.062	734391.27249	27.90	7.50	5.340
7.00	29.10	14.71	12.45	-0.060	734391.27777	25.25	13.50	5.336
6.80	29.33	14.72	12.45	-0.058	734391.28270	25.65	13.25	5.335
6.40	29.41	14.72	12.45	-0.055	734391.28874	26.10	12.60	5.338
6.10	29.36	14.72	12.45	-0.052	734391.29358	26.80	11.10	5.338
5.70	29.45	14.71	12.45	-0.049	734391.29968	22.65	17.80	5.338
5.50	29.73	14.71	12.45	-0.047	734391.30475	24.20	16.20	5.334
5.20	29.74	14.69	12.45	-0.043	734391.31253	21.80	19.20	5.336
5.00	29.48	14.68	12.46	-0.040	734391.31925	16.95	23.35	5.331
5.60	29.30	14.63	12.46	-0.032	734391.33939	0.30	29.30	5.307
5.50	29.11	14.70	12.46	-0.024	734391.36166	27.85	7.80	5.331
5.30	28.86	14.73	12.46	-0.022	734391.36995	27.30	8.65	5.344
5.10	28.65	14.73	12.47	-0.020	734391.37734	25.70	11.80	5.346
4.90	28.71	14.74	12.47	-0.019	734391.38295	26.20	10.90	5.348
4.80	28.58	14.76	12.47	-0.017	734391.38892	26.80	9.20	5.348
4.60	28.38	14.76	12.47	-0.016	734391.39635	27.35	7.00	5.346
4.50	28.54	14.77	12.47	-0.015	734391.40064	25.60	11.75	5.350
4.40	28.58	14.76	12.47	-0.015	734391.40416	25.20	12.60	5.342
4.30	28.58	14.76	12.47	-0.014	734391.40807	25.60	11.85	5.347
4.10	28.26	14.77	12.47	-0.014	734391.41299	22.30	16.45	5.344
4.00	28.52	14.76	12.47	-0.014	734391.41715	24.55	13.60	5.345
3.90	28.68	14.76	12.47	-0.013	734391.42172	25.95	11.35	5.342
3.70	28.65	14.77	12.47	-0.013	734391.42670	25.70	11.80	5.345
3.60	28.68	14.75	12.47	-0.013	734391.43083	25.70	11.85	5.345
3.50	28.75	14.75	12.47	-0.013	734391.43501	26.00	11.40	5.345
3.40	28.85	14.75	12.47	-0.014	734391.44128	24.80	13.80	5.338
3.30	29.05	14.74	12.48	-0.014	734391.44788	25.65	12.70	5.336
3.10	28.91	14.75	12.48	-0.015	734391.45501	27.10	9.30	5.337
3.10	29.00	14.73	12.48	-0.016	734391.45951	24.90	13.90	5.343
3.00	28.95	14.73	12.48	-0.016	734391.46372	23.30	16.20	5.342
2.90	29.05	14.73	12.48	-0.017	734391.46716	23.70	15.80	5.347
2.90	28.68	14.77	12.48	-0.021	734391.48777	27.60	7.20	5.333
2.80	28.89	14.74	12.48	-0.024	734391.49697	23.30	16.10	5.340
2.80	29.43	14.72	12.48	-0.026	734391.50485	24.35	15.50	5.343
2.70	29.69	14.70	12.48	-0.029	734391.51249	20.80	20.20	5.344
2.80	29.47	14.68	12.48	-0.030	734391.51709	12.25	26.35	5.341
3.20	29.17	14.64	12.48	-0.033	734391.5248	-8.00	27.85	5.325

Num rpts	SCIN incl tvd	Station tvd	Station wld	Station number	Station depth shift	Station depth corr
2	0.000	0.000	0.000	1	0.000	0.000
2	8.699	8.699	10.000	2	0.000	0.000
2	17.395	17.395	20.000	3	0.000	0.000
2	27.829	27.831	32.003	4	0.003	0.000
2	38.289	38.289	44.000	10	0.000	0.000
2	36.550	36.550	42.010	9	0.000	0.000
2	34.796	34.796	40.000	8	0.000	0.000
2	33.061	33.061	38.010	7	0.000	0.000
2	31.319	31.319	36.010	6	0.000	0.000
2	29.576	29.576	34.010	5	0.000	0.000
2	27.837	27.831	32.003	4	-0.006	0.000
2	17.395	17.395	20.000	3	0.000	0.000
2	8.699	8.699	10.000	2	0.000	0.000
2	0.000	0.000	0.000	1	0.000	0.000
2	38.289	38.289	44.000	10	0.000	0.000
2	43.540	43.540	50.000	13	0.000	0.000
2	48.793	48.793	56.000	16	0.000	0.000
2	54.057	54.057	62.000	19	0.000	0.000
2	59.331	59.331	68.000	22	0.000	0.000
2	66.361	66.361	76.000	25	0.000	0.000
2	62.844	62.844	72.000	24	0.000	0.000
2	61.088	61.088	70.000	23	0.000	0.000
2	59.331	59.331	68.000	22	0.000	0.000
2	57.572	57.572	66.000	21	0.000	0.000
2	55.813	55.813	64.000	20	0.000	0.000
2	54.057	54.057	62.000	19	0.000	0.000
2	52.302	52.302	60.000	18	0.000	0.000
2	50.547	50.547	58.000	17	0.000	0.000
2	48.793	48.793	56.000	16	0.000	0.000
2	47.040	47.040	54.000	15	0.000	0.000
2	45.289	45.289	52.000	14	0.000	0.000
2	43.540	43.540	50.000	13	0.000	0.000
2	41.789	41.789	48.000	12	0.000	0.000
2	40.040	40.040	46.000	11	0.000	0.000
2	38.289	38.289	44.000	10	0.000	0.000
2	66.361	66.361	76.000	25	0.000	0.000
2	38.289	38.289	44.000	10	0.000	0.000
2	27.829	27.831	32.003	4	0.003	0.000
2	17.395	17.395	20.000	3	0.000	0.000
2	8.699	8.699	10.000	2	0.000	0.000
2	0.000	0.000	0.000	1	0.000	0.000

terrain corr	Drift corr	BHGM temp corr	Rotation corr	Total Corrections	Corrected grav	FA corr
10.525	0.000	0.000	0.058	10.503	10.503	-415.301
9.876	-0.070	-0.066	0.093	9.754	11.162	-412.620
9.481	-0.205	-0.097	0.089	9.196	12.004	-409.940
9.136	-0.327	-0.132	0.092	8.700	13.091	-406.723
8.839	-0.473	-0.145	0.078	8.236	14.215	-403.499
8.889	-0.533	-0.130	0.090	8.256	14.058	-404.035
8.935	-0.589	-0.129	0.092	8.251	13.859	-404.576
8.984	-0.658	-0.125	0.090	8.236	13.662	-405.111
9.037	-0.714	-0.124	0.038	8.185	13.454	-405.648
9.083	-0.783	-0.122	0.080	8.209	13.289	-406.185
9.135	-0.841	-0.123	0.083	8.208	13.084	-406.723
9.481	-0.930	-0.118	0.051	8.442	12.034	-409.940
9.876	-1.006	-0.113	0.094	8.810	11.215	-412.620
10.525	-1.236	-0.023	0.056	9.290	10.532	-415.301
8.839	-1.490	-0.111	0.094	7.308	14.248	-403.499
8.692	-1.584	-0.129	0.088	7.044	14.798	-401.881
8.544	-1.669	-0.139	0.090	6.807	15.407	-400.262
8.395	-1.733	-0.152	0.087	6.579	16.021	-398.639
8.244	-1.801	-0.158	0.095	6.364	16.587	-397.014
8.035	-1.886	-0.156	0.094	6.072	17.272	-394.847
8.143	-1.935	-0.148	0.093	6.139	16.963	-395.931
8.192	-1.975	-0.143	0.039	6.099	16.763	-396.472
8.244	-2.019	-0.136	0.094	6.169	16.598	-397.014
8.296	-2.075	-0.127	0.094	6.174	16.447	-397.556
8.345	-2.123	-0.126	0.094	6.176	16.249	-398.098
8.395	-2.175	-0.125	0.093	6.175	16.048	-398.639
8.447	-2.232	-0.126	0.018	6.095	15.788	-399.180
8.495	-2.279	-0.125	0.000	6.078	15.566	-399.721
8.544	-2.326	-0.128	0.074	6.151	15.430	-400.262
8.593	-2.398	-0.119	0.095	6.157	15.231	-400.802
8.642	-2.473	-0.109	0.086	6.132	14.986	-401.342
8.692	-2.554	-0.105	0.055	6.073	14.778	-401.881
8.742	-2.606	-0.110	0.034	6.045	14.588	-402.421
8.787	-2.654	-0.113	0.092	6.097	14.429	-402.960
8.839	-2.693	-0.113	0.093	6.108	14.255	-403.499
8.035	-2.928	-0.090	0.022	5.017	17.241	-394.847
8.839	-3.033	-0.101	0.093	5.774	14.270	-403.499
9.136	-3.123	-0.104	0.085	5.968	13.085	-406.723
9.481	-3.210	-0.090	0.072	6.225	12.017	-409.940
9.876	-3.262	-0.082	0.094	6.595	11.187	-412.620
10.525	-3.350	-0.046	0.089	7.185	10.457	-415.301

Bouguer Anomaly
0.000
0.057
0.298
0.662
1.063
1.027
0.948
0.872
0.784
0.740
0.656
0.327
0.111
0.030
1.096
1.283
1.528
1.778
1.980
2.178
2.112
2.034
1.990
1.961
1.884
1.805
1.667
1.566
1.552
1.473
1.350
1.263
1.194
1.156
1.103
2.146
1.118
0.657
0.311
0.083
-0.045

Well name	Rau_10_90			
Wellhead elevation		1347		
Wellhead latitude		64.19884		
Wellhead longitude		-134.41664		
Well units	m			
Density type	Inversion BHGM density			
Depth	Wireline		Density	Sigma density
0.000		0.000	2.614	0.038
8.699		10.000	2.545	0.030
17.395		20.000	2.458	0.016
27.831		32.003	2.335	0.033
29.576		34.010	2.483	0.032
31.319		36.010	2.291	0.032
33.061		38.010	2.320	0.032
34.796		40.000	2.330	0.032
36.550		42.010	2.406	0.025
38.289		44.000	2.416	0.025
40.040		46.000	2.532	0.033
41.789		48.000	2.326	0.030
43.540		50.000	2.311	0.030
45.289		52.000	2.112	0.033
47.040		54.000	2.448	0.028
48.793		56.000	2.503	0.028
50.547		58.000	2.206	0.033
52.302		60.000	2.118	0.027
54.057		62.000	2.154	0.027
55.813		64.000	2.346	0.032
57.572		66.000	2.603	0.033
59.331		68.000	2.524	0.033
61.088		70.000	2.365	0.033
62.844		72.000	2.532	0.040
66.361		76.000		

Well name	Rau_10_96			
Wellhead elevation		1248		
Wellhead latitude		64.196253		
Wellhead longitude		-134.41295		
Well units	m			
Density type	Conventional BHGM density			
Depth	Wireline		Density	Sigma density
0.000		0.000	2.806	0.018
7.960		9.007	2.416	0.041
11.476		13.000	2.526	0.000
13.237		15.005	2.612	0.000
15.006		17.010	3.324	0.000
16.759		19.000	3.220	0.105
18.523		21.003	3.141	0.106
20.280		23.000	2.242	0.000
22.044		25.000	2.885	0.000
23.818		27.000	2.700	0.000
25.600		29.000	1.619	0.000
27.379		31.000	2.546	0.071
29.156		33.005	1.860	0.072
30.915		35.000	2.652	0.000
32.659		37.000	2.403	0.000
34.405		39.000	3.361	0.000
36.168		41.000	3.145	0.000
37.938		43.000	2.921	0.019
39.706		45.000	3.007	0.019
41.478		47.000	2.439	0.000
43.252		49.000	3.019	0.000
45.031		51.000	2.465	0.000
46.807		53.000	2.253	0.000
48.573		55.000	2.934	0.122
50.337		57.000	2.556	0.122
52.108		59.000	2.480	0.000
53.879		61.000	2.376	0.064
57.424		65.005		

Well name	Rau_10_96
Wellhead elevation	1248
Wellhead latitude	64.196253
Wellhead longitude	-134.41295
Well units	m

SCIN wld	Logged grav	Raw grav	Field drift	SD	Tiltx	Tilty	BHGM temp	Elec temp
0.0000	6521.7205	6550.7882	28.9697	0.0090	-10.55	1.12	344.187	18.4
21.0100	6523.8455	6553.2247	29.2882	0.0089	9.25	27.90	343.757	19.8
33.0100	6524.7125	6554.2566	29.4581	0.0106	3.40	-0.47	343.678	19.6
31.0000	6524.5265	6554.1531	29.5431	0.0100	4.45	-29.60	343.815	19.3
29.0000	6524.3015	6553.9998	29.6173	0.0108	-9.05	-31.60	343.889	19.6
27.0000	6524.1265	6553.9100	29.7055	0.0175	11.50	3.85	343.870	19.8
25.0000	6523.9995	6553.8569	29.7819	0.0120	9.60	-5.06	343.867	19.3
23.0000	6523.8575	6553.7645	29.8335	0.0105	-10.25	5.81	343.796	19.3
21.0000	6523.7910	6553.7846	29.9236	0.0110	-7.25	1.63	343.834	19.3
19.0000	6523.7145	6553.7865	30.0050	0.0085	-2.50	-4.80	343.877	19.3
17.0100	6523.6460	6553.8079	30.0989	0.0102	-0.75	-8.35	343.916	19.8
13.0000	6523.2905	6553.6236	30.2776	0.0095	-8.95	-0.92	343.947	20.1
9.0100	6522.8515	6553.2532	30.3492	0.0095	-2.95	-5.25	343.913	19.8
33.0000	6524.5445	6555.3093	30.7283	0.0095	8.85	1.12	344.117	20.7
57.0000	6526.0655	6557.0064	30.9119	0.0130	21.05	10.71	343.624	19.8
65.0000	6526.7670	6557.8168	31.0253	0.0105	-24.40	-2.53	341.580	13.7
61.0000	6526.3645	6557.4894	31.1034	0.0115	2.20	14.16	342.259	12.3
59.0000	6526.1765	6557.3430	31.1465	0.0122	4.95	2.55	342.636	12.3
57.0000	6526.0440	6557.2671	31.2051	0.0090	10.15	13.87	343.017	12.7
55.0000	6525.9245	6557.1911	31.2506	0.0086	19.20	28.88	343.105	13.2
53.0000	6525.7445	6557.0961	31.3381	0.0110	-14.10	0.47	343.438	14.1
51.0000	6525.5710	6556.9729	31.3899	0.0100	-13.80	5.65	343.543	14.6
49.0000	6525.4145	6556.8972	31.4732	0.0122	16.35	-2.68	343.614	15.6
47.0000	6525.2770	6556.8046	31.5196	0.0091	-0.70	13.47	343.612	16.0
45.0000	6525.1695	6556.7477	31.5712	0.0085	13.05	12.89	343.635	16.0
43.0000	6525.0625	6556.6925	31.6245	0.0091	13.65	17.83	343.667	16.5
41.0000	6525.0010	6556.7483	31.7443	0.0110	-7.30	11.55	343.755	17.0
39.0000	6524.9265	6556.7560	31.8285	0.0106	18.50	8.12	343.892	17.7
37.0000	6524.7830	6556.6531	31.8701	0.0106	-21.10	23.79	343.828	17.9
35.0000	6524.6300	6556.5630	31.9340	0.0130	-11.30	-32.27	343.891	17.9
33.0000	6524.3660	6556.4192	32.0552	0.0108	-20.80	-29.01	344.041	18.4
65.0100	6526.5140	6558.9354	32.4254	0.0111	-5.93	15.63	341.751	12.1
45.0000	6524.9585	6557.5904	32.6349	0.0100	7.85	0.55	342.760	12.7
33.0100	6524.2340	6556.9831	32.7511	0.0110	-8.90	3.08	343.288	13.7
15.0100	6522.9910	6555.9492	32.9572	0.0100	24.25	-1.67	343.627	15.4
9.0100	6522.4205	6555.4688	33.0453	0.0095	10.90	15.65	343.698	16.0

Ambient temp	Incl	PRB pres	SURF pres	Tide corr	Reading timestamp	Inc x	Inc y	Inner ht volts
4.2	27.89	14.85	12.69	-0.098	734392.17664	-16.65	-21.70	5.328
4.3	28.33	14.88	12.69	-0.091	734392.20318	-21.40	-17.65	5.348
4.2	27.76	14.89	12.69	-0.086	734392.21734	-27.00	-5.95	5.356
4.1	27.39	14.89	12.69	-0.084	734392.22443	-24.30	-11.85	5.347
3.9	26.97	14.90	12.69	-0.081	734392.23061	-14.45	-22.25	5.348
3.7	27.12	14.91	12.69	-0.078	734392.23796	-11.30	-24.30	5.342
3.6	27.91	14.91	12.69	-0.076	734392.24433	-11.20	-25.20	5.342
3.5	28.33	14.91	12.69	-0.074	734392.24862	-19.05	-20.15	5.342
3.4	28.32	14.92	12.70	-0.070	734392.25613	-23.25	-15.25	5.347
3.3	28.27	14.91	12.70	-0.067	734392.26292	-21.95	-16.90	5.342
3.1	28.31	14.91	12.70	-0.063	734392.27074	-23.65	-14.65	5.337
2.9	28.72	14.90	12.70	-0.056	734392.28563	-20.55	-19.15	5.340
2.9	28.54	14.88	12.70	-0.053	734392.29160	-22.85	-16.15	5.341
3.1	27.79	14.91	12.70	-0.037	734392.32319	-27.00	-6.10	5.337
3.3	27.92	14.95	12.70	-0.029	734392.33850	-26.85	-7.10	5.357
3.8	27.50	15.53	12.70	-0.025	734392.34794	-26.45	-7.00	5.431
4.1	27.94	14.94	12.70	-0.022	734392.35445	-24.75	-12.15	5.397
4.0	27.51	14.97	12.70	-0.020	734392.35804	-16.00	-21.75	5.391
3.9	27.89	14.98	12.70	-0.018	734392.36293	-14.75	-23.10	5.377
3.8	28.27	14.98	12.70	-0.016	734392.36671	-20.50	-18.60	5.381
3.7	27.68	14.99	12.71	-0.014	734392.37401	-19.55	-18.80	5.365
3.6	27.12	14.99	12.71	-0.012	734392.37832	-19.90	-17.65	5.366
3.4	27.22	14.99	12.71	-0.010	734392.38527	-21.90	-15.35	5.356
3.4	27.85	14.97	12.71	-0.008	734392.38913	-20.90	-17.55	5.360
3.3	28.09	14.98	12.71	-0.007	734392.39343	-20.85	-17.95	5.359
3.2	27.82	14.97	12.71	-0.006	734392.39788	-20.10	-18.40	5.354
3.1	27.68	14.96	12.71	-0.003	734392.40786	-22.65	-15.05	5.349
3.1	28.67	14.96	12.71	-0.001	734392.41488	-24.95	-13.20	5.351
3.1	29.76	14.98	12.71	0.000	734392.41834	-29.50	3.60	5.349
3.0	28.87	14.96	12.71	0.001	734392.42367	-26.90	9.70	5.340
2.9	27.40	14.95	12.71	0.002	734392.43377	-18.20	19.75	5.335
4.0	26.86	15.74	12.71	0.004	734392.46461	26.20	5.50	5.409
3.5	27.38	14.99	12.71	0.003	734392.48208	21.75	15.80	5.381
3.3	27.36	14.98	12.71	0.002	734392.49176	26.50	6.30	5.367
3.0	27.80	14.94	12.71	-0.001	734392.50894	21.95	16.20	5.351
3.0	27.87	14.93	12.71	-0.003	734392.51628	21.60	16.75	5.349

Num rpts	SCIN incl tvd	Station tvd	Station wld	Station number	Station depth shift	Station depth corr
2	0.000	0.000	0.000	1	0.000	0.000
2	18.529	18.523	21.003	7	-0.006	0.000
2	29.160	29.156	33.005	13	-0.004	0.000
2	27.379	27.379	31.000	12	0.000	0.000
2	25.600	25.600	29.000	11	0.000	0.000
2	23.818	23.818	27.000	10	0.000	0.000
2	22.044	22.044	25.000	9	0.000	0.000
2	20.280	20.280	23.000	8	0.000	0.000
2	18.520	18.523	21.003	7	0.003	0.000
2	16.759	16.759	19.000	6	0.000	0.000
2	15.006	15.006	17.010	5	0.000	0.000
2	11.476	11.476	13.000	3	0.000	0.000
2	7.963	7.960	9.007	2	-0.003	0.000
2	29.151	29.156	33.005	13	0.004	0.000
2	50.337	50.337	57.000	25	0.000	0.000
2	57.420	57.424	65.005	28	0.004	0.000
2	53.879	53.879	61.000	27	0.000	0.000
2	52.108	52.108	59.000	26	0.000	0.000
2	50.337	50.337	57.000	25	0.000	0.000
2	48.573	48.573	55.000	24	0.000	0.000
2	46.807	46.807	53.000	23	0.000	0.000
2	45.031	45.031	51.000	22	0.000	0.000
2	43.252	43.252	49.000	21	0.000	0.000
2	41.478	41.478	47.000	20	0.000	0.000
2	39.706	39.706	45.000	19	0.000	0.000
2	37.938	37.938	43.000	18	0.000	0.000
2	36.168	36.168	41.000	17	0.000	0.000
2	34.405	34.405	39.000	16	0.000	0.000
2	32.659	32.659	37.000	15	0.000	0.000
1	30.915	30.915	35.000	14	0.000	0.000
2	29.151	29.156	33.005	13	0.004	0.000
3	57.428	57.424	65.005	28	-0.004	0.000
2	39.706	39.706	45.000	19	0.000	0.000
2	29.160	29.156	33.005	13	-0.004	0.000
2	13.241	13.237	15.005	4	-0.004	0.000
2	7.963	7.960	9.007	2	-0.003	0.000

terrain corr	Drift corr	BHGM temp corr	Rotation corr	Total Corrections	Corrected grav	FA corr
9.833	0.000	0.000	-0.055	9.680	9.680	-384.787
9.013	-0.267	0.009	-0.034	8.630	11.066	-379.077
9.120	-0.409	0.010	0.002	8.635	12.104	-375.800
9.098	-0.481	0.006	0.034	8.574	11.939	-376.348
9.083	-0.543	0.004	-0.043	8.420	11.632	-376.896
9.066	-0.617	0.004	-0.011	8.365	11.486	-377.445
9.041	-0.681	0.004	0.011	8.300	11.369	-377.992
9.026	-0.724	0.005	-0.054	8.180	11.157	-378.536
9.013	-0.799	0.004	-0.055	8.093	11.090	-379.077
8.990	-0.868	0.003	-0.046	8.012	11.011	-379.621
8.986	-0.946	0.001	-0.039	7.939	10.959	-380.161
9.003	-1.096	0.000	-0.055	7.796	10.632	-381.249
9.041	-1.156	0.000	-0.046	7.786	10.251	-382.333
9.119	-1.474	-0.006	-0.006	7.598	12.119	-375.800
9.265	-1.628	0.005	-0.015	7.598	13.816	-369.271
9.295	-1.723	0.051	-0.055	7.545	14.574	-367.086
9.284	-1.788	0.035	-0.037	7.472	14.173	-368.179
9.274	-1.824	0.026	-0.015	7.441	13.996	-368.725
9.265	-1.873	0.017	-0.027	7.364	13.843	-369.271
9.257	-1.911	0.015	-0.028	7.317	13.720	-369.815
9.247	-1.985	0.007	-0.055	7.201	13.509	-370.359
9.234	-2.028	0.004	-0.054	7.144	13.329	-370.906
9.225	-2.098	0.002	0.002	7.122	13.231	-371.455
9.215	-2.137	0.002	-0.041	7.031	13.047	-372.002
9.199	-2.180	0.001	-0.023	6.991	12.950	-372.548
9.188	-2.225	0.000	-0.026	6.932	12.836	-373.093
9.177	-2.325	-0.002	-0.049	6.797	12.757	-373.638
9.159	-2.396	-0.006	-0.013	6.743	12.711	-374.182
9.146	-2.431	-0.004	-0.051	6.660	12.525	-374.720
9.133	-2.484	-0.006	-0.044	6.600	12.375	-375.257
9.119	-2.586	-0.010	-0.048	6.478	12.109	-375.800
9.296	-2.896	0.041	-0.046	6.398	14.545	-367.086
9.199	-3.071	0.017	-0.004	6.143	12.946	-372.548
9.120	-3.169	0.004	-0.054	5.902	12.097	-375.800
8.988	-3.342	-0.004	0.000	5.640	10.801	-380.707
9.041	-3.415	-0.006	-0.027	5.588	10.269	-382.333

Bouguer Anomaly
0.000
0.104
0.406
0.364
0.180
0.158
0.163
0.073
0.128
0.171
0.241
0.157
0.020
0.421
0.652
0.920
0.765
0.709
0.679
0.678
0.590
0.533
0.558
0.497
0.522
0.531
0.574
0.650
0.584
0.556
0.411
0.891
0.518
0.399
0.205
0.038

Well name	Rau_10_96			
Wellhead elevation		1248		
Wellhead latitude		64.196253		
Wellhead longitude		-134.41295		
Well units	m			
Density type	Inversion BHGM density			
Depth	Wireline		Density	Sigma density
0.000		0.000	2.791	0.018
7.960		9.007	2.449	0.040
11.476		13.000	2.536	0.040
13.237		15.005	2.650	0.039
15.006		17.010	3.270	0.040
16.759		19.000	3.182	0.047
18.523		21.003	3.126	0.047
20.280		23.000	2.338	0.040
22.044		25.000	2.834	0.039
23.818		27.000	2.647	0.039
25.600		29.000	1.735	0.039
27.379		31.000	2.395	0.047
29.156		33.005	2.008	0.047
30.915		35.000	2.598	0.040
32.659		37.000	2.475	0.040
34.405		39.000	3.288	0.039
36.168		41.000	3.141	0.039
37.938		43.000	2.938	0.039
39.706		45.000	2.970	0.039
41.478		47.000	2.507	0.039
43.252		49.000	2.952	0.039
45.031		51.000	2.486	0.039
46.807		53.000	2.303	0.040
48.573		55.000	2.776	0.045
50.337		57.000	2.665	0.045
52.108		59.000	2.496	0.040
53.879		61.000	2.442	0.053
57.424		65.005		

Well name	Rau_10_96			
Wellhead elevation		1248		
Wellhead latitude		64.196253		
Wellhead longitude		-134.41295		
Well units	m			
Density type	Conventional BHGM density			
Depth	Wireline		Density	Sigma density
0.000		0.000	2.319	0.018
7.960		9.007	2.836	0.041
11.476		13.000	2.906	0.000
13.237		15.005	3.030	0.000
15.006		17.010	3.725	0.000
16.759		19.000	3.699	0.106
18.523		21.003	3.514	0.107
20.280		23.000	2.609	0.000
22.044		25.000	3.309	0.000
23.818		27.000	3.069	0.000
25.600		29.000	1.963	0.000
27.379		31.000	2.925	0.071
29.156		33.005	2.182	0.072
30.915		35.000	2.959	0.000
32.659		37.000	2.716	0.000
34.405		39.000	3.695	0.000
36.168		41.000	3.428	0.000
37.938		43.000	3.203	0.019
39.706		45.000	3.316	0.019
41.478		47.000	2.707	0.000
43.252		49.000	3.277	0.000
45.031		51.000	2.733	0.000
46.807		53.000	2.497	0.000
48.573		55.000	3.174	0.123
50.337		57.000	2.801	0.122
52.108		59.000	2.727	0.000
53.879		61.000	2.595	0.065
57.424		65.005		

Well name	Rau_10_96
Wellhead elevation	1248
Wellhead latitude	64.196253
Wellhead longitude	-134.41295
Well units	m

SCIN wld	Logged grav	Raw grav	Field drift	SD	Tiltx	Tilty	BHGM temp	Elec temp
0.000	6521.721	6550.788	28.970	0.009	-10.55	1.12	344.187	18.4
21.010	6523.846	6553.225	29.288	0.009	9.25	27.90	343.757	19.8
33.010	6524.713	6554.257	29.458	0.011	3.40	-0.47	343.678	19.6
31.000	6524.527	6554.153	29.543	0.010	4.45	-29.60	343.815	19.3
29.000	6524.302	6554.000	29.617	0.011	-9.05	-31.60	343.889	19.6
27.000	6524.127	6553.910	29.705	0.018	11.50	3.85	343.870	19.8
25.000	6524.000	6553.857	29.782	0.012	9.60	-5.06	343.867	19.3
23.000	6523.858	6553.764	29.833	0.011	-10.25	5.81	343.796	19.3
21.000	6523.791	6553.785	29.924	0.011	-7.25	1.63	343.834	19.3
19.000	6523.715	6553.787	30.005	0.009	-2.50	-4.80	343.877	19.3
17.010	6523.646	6553.808	30.099	0.010	-0.75	-8.35	343.916	19.8
13.000	6523.291	6553.624	30.278	0.010	-8.95	-0.92	343.947	20.1
9.010	6522.852	6553.253	30.349	0.010	-2.95	-5.25	343.913	19.8
33.000	6524.545	6555.309	30.728	0.010	8.85	1.12	344.117	20.7
57.000	6526.066	6557.006	30.912	0.013	21.05	10.71	343.624	19.8
65.000	6526.767	6557.817	31.025	0.011	-24.40	-2.53	341.580	13.7
61.000	6526.365	6557.489	31.103	0.012	2.20	14.16	342.259	12.3
59.000	6526.177	6557.343	31.146	0.012	4.95	2.55	342.636	12.3
57.000	6526.044	6557.267	31.205	0.009	10.15	13.87	343.017	12.7
55.000	6525.925	6557.191	31.251	0.009	19.20	28.88	343.105	13.2
53.000	6525.745	6557.096	31.338	0.011	-14.10	0.47	343.438	14.1
51.000	6525.571	6556.973	31.390	0.010	-13.80	5.65	343.543	14.6
49.000	6525.415	6556.897	31.473	0.012	16.35	-2.68	343.614	15.6
47.000	6525.277	6556.805	31.520	0.009	-0.70	13.47	343.612	16.0
45.000	6525.170	6556.748	31.571	0.009	13.05	12.89	343.635	16.0
43.000	6525.063	6556.693	31.625	0.009	13.65	17.83	343.667	16.5
41.000	6525.001	6556.748	31.744	0.011	-7.30	11.55	343.755	17.0
39.000	6524.927	6556.756	31.829	0.011	18.50	8.12	343.892	17.7
37.000	6524.783	6556.653	31.870	0.011	-21.10	23.79	343.828	17.9
35.000	6524.630	6556.563	31.934	0.013	-11.30	-32.27	343.891	17.9
33.000	6524.366	6556.419	32.055	0.011	-20.80	-29.01	344.041	18.4
65.010	6526.514	6558.935	32.425	0.011	-5.93	15.63	341.751	12.1
45.000	6524.959	6557.590	32.635	0.010	7.85	0.55	342.760	12.7
33.010	6524.234	6556.983	32.751	0.011	-8.90	3.08	343.288	13.7
15.010	6522.991	6555.949	32.957	0.010	24.25	-1.67	343.627	15.4
9.010	6522.421	6555.469	33.045	0.010	10.90	15.65	343.698	16.0

Ambient temp	Incl	PRB pres	SURF pres	Tide corr	Reading timestamp	Inc x	Inc y	Inner ht volts
4.2	27.89	14.85	12.69	-0.098	734392.17664	-16.65	-21.70	5.328
4.3	28.33	14.88	12.69	-0.091	734392.20318	-21.40	-17.65	5.348
4.2	27.76	14.89	12.69	-0.086	734392.21734	-27.00	-5.95	5.356
4.1	27.39	14.89	12.69	-0.084	734392.22443	-24.30	-11.85	5.347
3.9	26.97	14.90	12.69	-0.081	734392.23061	-14.45	-22.25	5.348
3.7	27.12	14.91	12.69	-0.078	734392.23796	-11.30	-24.30	5.342
3.6	27.91	14.91	12.69	-0.076	734392.24433	-11.20	-25.20	5.342
3.5	28.33	14.91	12.69	-0.074	734392.24862	-19.05	-20.15	5.342
3.4	28.32	14.92	12.70	-0.070	734392.25613	-23.25	-15.25	5.347
3.3	28.27	14.91	12.70	-0.067	734392.26292	-21.95	-16.90	5.342
3.1	28.31	14.91	12.70	-0.063	734392.27074	-23.65	-14.65	5.337
2.9	28.72	14.90	12.70	-0.056	734392.28563	-20.55	-19.15	5.340
2.9	28.54	14.88	12.70	-0.053	734392.29160	-22.85	-16.15	5.341
3.1	27.79	14.91	12.70	-0.037	734392.32319	-27.00	-6.10	5.337
3.3	27.92	14.95	12.70	-0.029	734392.33850	-26.85	-7.10	5.357
3.8	27.50	15.53	12.70	-0.025	734392.34794	-26.45	-7.00	5.431
4.1	27.94	14.94	12.70	-0.022	734392.35445	-24.75	-12.15	5.397
4.0	27.51	14.97	12.70	-0.020	734392.35804	-16.00	-21.75	5.391
3.9	27.89	14.98	12.70	-0.018	734392.36293	-14.75	-23.10	5.377
3.8	28.27	14.98	12.70	-0.016	734392.36671	-20.50	-18.60	5.381
3.7	27.68	14.99	12.71	-0.014	734392.37401	-19.55	-18.80	5.365
3.6	27.12	14.99	12.71	-0.012	734392.37832	-19.90	-17.65	5.366
3.4	27.22	14.99	12.71	-0.010	734392.38527	-21.90	-15.35	5.356
3.4	27.85	14.97	12.71	-0.008	734392.38913	-20.90	-17.55	5.360
3.3	28.09	14.98	12.71	-0.007	734392.39343	-20.85	-17.95	5.359
3.2	27.82	14.97	12.71	-0.006	734392.39788	-20.10	-18.40	5.354
3.1	27.68	14.96	12.71	-0.003	734392.40786	-22.65	-15.05	5.349
3.1	28.67	14.96	12.71	-0.001	734392.41488	-24.95	-13.20	5.351
3.1	29.76	14.98	12.71	0.000	734392.41834	-29.50	3.60	5.349
3.0	28.87	14.96	12.71	0.001	734392.42367	-26.90	9.70	5.340
2.9	27.40	14.95	12.71	0.002	734392.43377	-18.20	19.75	5.335
4.0	26.86	15.74	12.71	0.004	734392.46461	26.20	5.50	5.409
3.5	27.38	14.99	12.71	0.003	734392.48208	21.75	15.80	5.381
3.3	27.36	14.98	12.71	0.002	734392.49176	26.50	6.30	5.367
3.0	27.80	14.94	12.71	-0.001	734392.50894	21.95	16.20	5.351
3.0	27.87	14.93	12.71	-0.003	734392.51628	21.60	16.75	5.349

Num rpts	SCIN incl tvd	Station tvd	Station wld	Station number	Station depth shift	Station depth corr
2	0.000	0.000	0.000	1	0.000	0.000
2	18.529	18.523	21.003	7	-0.006	0.000
2	29.160	29.156	33.005	13	-0.004	0.000
2	27.379	27.379	31.000	12	0.000	0.000
2	25.600	25.600	29.000	11	0.000	0.000
2	23.818	23.818	27.000	10	0.000	0.000
2	22.044	22.044	25.000	9	0.000	0.000
2	20.280	20.280	23.000	8	0.000	0.000
2	18.520	18.523	21.003	7	0.003	0.000
2	16.759	16.759	19.000	6	0.000	0.000
2	15.006	15.006	17.010	5	0.000	0.000
2	11.476	11.476	13.000	3	0.000	0.000
2	7.963	7.960	9.007	2	-0.003	0.000
2	29.151	29.156	33.005	13	0.004	0.000
2	50.337	50.337	57.000	25	0.000	0.000
2	57.420	57.424	65.005	28	0.004	0.000
2	53.879	53.879	61.000	27	0.000	0.000
2	52.108	52.108	59.000	26	0.000	0.000
2	50.337	50.337	57.000	25	0.000	0.000
2	48.573	48.573	55.000	24	0.000	0.000
2	46.807	46.807	53.000	23	0.000	0.000
2	45.031	45.031	51.000	22	0.000	0.000
2	43.252	43.252	49.000	21	0.000	0.000
2	41.478	41.478	47.000	20	0.000	0.000
2	39.706	39.706	45.000	19	0.000	0.000
2	37.938	37.938	43.000	18	0.000	0.000
2	36.168	36.168	41.000	17	0.000	0.000
2	34.405	34.405	39.000	16	0.000	0.000
2	32.659	32.659	37.000	15	0.000	0.000
1	30.915	30.915	35.000	14	0.000	0.000
2	29.151	29.156	33.005	13	0.004	0.000
3	57.428	57.424	65.005	28	-0.004	0.000
2	39.706	39.706	45.000	19	0.000	0.000
2	29.160	29.156	33.005	13	-0.004	0.000
2	13.241	13.237	15.005	4	-0.004	0.000
2	7.963	7.960	9.007	2	-0.003	0.000

terrain corr	Drift corr	BHGM temp corr	Rotation corr	Total Corrections	Corrected grav	FA corr
10.203	0.000	0.000	-0.055	10.051	10.051	-384.787
9.337	-0.267	0.009	-0.033	8.954	11.390	-379.077
9.108	-0.409	0.010	0.002	8.624	12.092	-375.800
9.143	-0.481	0.006	0.034	8.619	11.984	-376.348
9.179	-0.543	0.004	-0.043	8.517	11.729	-376.896
9.217	-0.617	0.004	-0.011	8.516	11.638	-377.445
9.256	-0.681	0.004	0.011	8.515	11.584	-377.992
9.295	-0.724	0.005	-0.053	8.450	11.426	-378.536
9.337	-0.799	0.004	-0.054	8.418	11.414	-379.077
9.385	-0.868	0.003	-0.046	8.407	11.406	-379.621
9.440	-0.946	0.001	-0.039	8.393	11.413	-380.161
9.574	-1.096	0.000	-0.054	8.368	11.204	-381.249
9.737	-1.156	0.000	-0.046	8.482	10.947	-382.333
9.108	-1.474	-0.006	-0.005	7.587	12.108	-375.800
8.746	-1.628	0.005	-0.015	7.079	13.298	-369.271
8.638	-1.723	0.052	-0.054	6.889	13.918	-367.086
8.692	-1.788	0.036	-0.037	6.881	13.582	-368.179
8.719	-1.824	0.027	-0.015	6.886	13.441	-368.725
8.746	-1.873	0.017	-0.026	6.846	13.325	-369.271
8.773	-1.911	0.015	-0.027	6.834	13.237	-369.815
8.800	-1.985	0.007	-0.055	6.754	13.062	-370.359
8.827	-2.028	0.004	-0.054	6.737	12.922	-370.906
8.856	-2.098	0.002	0.003	6.754	12.863	-371.455
8.886	-2.137	0.002	-0.041	6.702	12.719	-372.002
8.916	-2.180	0.001	-0.022	6.708	12.667	-372.548
8.946	-2.225	0.000	-0.026	6.691	12.595	-373.093
8.977	-2.325	-0.002	-0.049	6.598	12.559	-373.638
9.009	-2.396	-0.006	-0.013	6.594	12.561	-374.182
9.042	-2.431	-0.004	-0.051	6.556	12.421	-374.720
9.074	-2.484	-0.006	-0.044	6.541	12.316	-375.257
9.108	-2.586	-0.010	-0.048	6.467	12.098	-375.800
8.638	-2.896	0.042	-0.046	5.741	13.889	-367.086
8.916	-3.072	0.017	-0.004	5.861	12.663	-372.548
9.108	-3.169	0.004	-0.054	5.891	12.086	-375.800
9.504	-3.342	-0.004	0.000	6.156	11.317	-380.707
9.737	-3.416	-0.006	-0.027	6.285	10.965	-382.333

Bouguer Anomaly
0.000
0.058
0.024
0.039
-0.093
-0.061
0.008
-0.028
0.082
0.195
0.324
0.359
0.346
0.040
-0.237
-0.107
-0.197
-0.216
-0.209
-0.175
-0.227
-0.245
-0.181
-0.202
-0.131
-0.081
0.005
0.130
0.110
0.126
0.030
-0.136
-0.135
0.018
0.351
0.364

Well name	Rau_10_96			
Wellhead elevation		1248		
Wellhead latitude		64.196253		
Wellhead longitude		-134.41295		
Well units	m			
Density type	Inversion BHGM density			
Depth	Wireline		Density	Sigma density
0.000		0.000	2.328	0.018
7.960		9.007	2.820	0.040
11.476		13.000	2.915	0.040
13.237		15.005	3.064	0.039
15.006		17.010	3.677	0.040
16.759		19.000	3.627	0.048
18.523		21.003	3.531	0.048
20.280		23.000	2.707	0.040
22.044		25.000	3.254	0.039
23.818		27.000	3.019	0.039
25.600		29.000	2.078	0.039
27.379		31.000	2.767	0.047
29.156		33.005	2.334	0.048
30.915		35.000	2.908	0.040
32.659		37.000	2.785	0.040
34.405		39.000	3.621	0.040
36.168		41.000	3.428	0.039
37.938		43.000	3.221	0.039
39.706		45.000	3.276	0.039
41.478		47.000	2.774	0.039
43.252		49.000	3.213	0.039
45.031		51.000	2.751	0.039
46.807		53.000	2.546	0.040
48.573		55.000	3.020	0.046
50.337		57.000	2.908	0.046
52.108		59.000	2.744	0.041
53.879		61.000	2.677	0.054
57.424		65.005		

Well name	Rau_10_116			
Wellhead elevation		1360		
Wellhead latitude		64.198946		
Wellhead longitude		-134.415364		
Well units	m			
Density type	Conventional BHGM density			
Depth	Wireline		Density	Sigma density
0.000		0.000	2.787	0.021
17.000		20.000	2.825	0.000
25.480		30.000	2.601	0.000
33.949		40.000	2.425	0.053
42.403		50.000	2.503	0.144
46.632		55.000	2.521	0.212
48.325		57.000	2.530	0.000
50.865		60.000	1.684	0.000
53.405		63.000	2.783	0.000
55.528		65.500	2.492	0.000
58.499		69.000	2.523	0.000
61.048		72.000	2.391	0.000
63.599		75.000	2.582	0.000
67.003		79.000	2.430	0.150
69.557		82.000	2.291	0.231
72.112		85.000	2.339	0.159
74.666		88.000	2.733	0.000
77.226		91.000	2.470	0.000
80.862		95.250	2.293	0.000
84.921		100.000	2.388	0.000
86.203		101.500	2.068	0.000
89.625		105.500	1.924	0.000
92.616		109.000	2.709	0.000
95.177		112.000	2.786	0.000
97.737		115.000	2.993	0.000
100.291		118.000	2.425	0.133
102.838		121.000		

Well name	Rau_10_116
Wellhead elevation	1360
Wellhead latitude	64.198946
Wellhead longitude	-134.415364
Well units	m

SCIN wld	Logged grav	Raw grav	Field drift	SD	Tiltx	Tilty	BHGM temp	Elec temp
0.000	6504.541	6550.252	45.656	0.025	26.20	1.26	345.245	29.2
0.000	6504.543	6550.282	45.684	0.010	25.55	-20.11	345.250	29.2
50.000	6511.094	6557.118	45.961	0.012	-4.85	-2.05	344.330	23.1
55.000	6511.704	6557.809	46.041	0.011	3.45	18.73	344.263	22.1
65.000	6512.973	6559.171	46.132	0.011	5.15	13.14	344.288	21.7
75.000	6514.157	6560.454	46.229	0.011	-24.45	6.81	344.305	21.2
72.000	6513.760	6560.125	46.296	0.009	11.45	9.75	344.226	21.0
69.000	6513.387	6559.821	46.363	0.010	-2.65	-7.15	344.273	20.7
63.000	6512.660	6559.193	46.460	0.008	9.85	-20.15	344.301	20.7
60.000	6512.260	6558.838	46.506	0.010	-27.10	1.44	344.317	20.7
57.000	6511.920	6558.552	46.558	0.009	-0.90	20.28	344.241	20.5
55.000	6511.659	6558.343	46.610	0.009	4.65	24.85	344.241	20.3
50.000	6511.042	6557.802	46.684	0.010	8.85	16.71	344.305	20.3
40.000	6509.822	6556.645	46.746	0.010	-0.75	15.01	344.257	20.3
30.000	6508.644	6555.530	46.808	0.011	3.35	15.95	344.295	20.3
20.000	6507.443	6554.456	46.933	0.012	5.10	-13.19	344.331	19.8
85.000	6515.289	6562.787	47.411	0.011	-6.45	-4.40	344.069	19.8
115.000	6518.998	6566.692	47.605	0.009	-35.10	19.32	341.891	9.4
121.000	6519.532	6567.341	47.720	0.010	-31.10	2.16	342.233	10.2
118.000	6519.205	6567.054	47.759	0.011	7.30	15.28	341.972	10.4
112.000	6518.719	6566.816	48.004	0.011	-24.25	4.32	341.956	10.4
109.000	6518.378	6566.506	48.036	0.009	-6.50	-17.60	341.878	9.4
106.000	6517.957	6566.120	48.070	0.010	-11.70	17.01	341.821	9.4
101.500	6517.336	6565.547	48.118	0.010	-9.20	27.17	341.846	9.4
95.500	6516.572	6564.839	48.174	0.009	-4.45	14.35	342.074	10.0
91.000	6516.038	6564.349	48.217	0.009	-19.05	2.26	342.613	10.9
88.000	6515.738	6564.100	48.268	0.010	-12.60	2.87	343.122	11.3
85.000	6515.390	6563.784	48.300	0.009	-4.60	19.69	343.273	11.8
82.000	6515.000	6563.427	48.333	0.010	-6.30	19.81	343.436	12.3
79.000	6514.581	6563.051	48.377	0.010	28.40	23.62	343.575	12.7
121.000	6519.590	6568.226	48.543	0.010	-14.35	34.54	341.956	9.4
100.000	6517.112	6565.800	48.595	0.010	27.10	14.44	341.864	9.0
82.000	6514.974	6563.709	48.643	0.014	0.15	24.32	342.403	9.9

Ambient temp	Incl	PRB pres	SURF pres	Tide corr	Reading timestamp	Inc x	Inc y	Inner ht volts
13.3	31.38	14.73	12.62	-0.055	734394.83535	-29.40	-10.00	5.282
13.3	31.46	14.73	12.62	-0.056	734394.83849	-29.50	-9.95	5.277
10.1	32.32	14.86	12.62	-0.063	734394.86930	-31.50	-6.50	5.338
9.8	32.22	14.91	12.62	-0.064	734394.87814	-31.85	-4.35	5.343
9.0	31.88	14.92	12.62	-0.066	734394.88826	-31.35	5.20	5.345
8.3	31.76	14.97	12.62	-0.068	734394.89908	-30.10	-9.20	5.348
8.0	31.73	14.94	12.62	-0.070	734394.90649	-30.90	-6.50	5.349
7.5	31.93	14.95	12.62	-0.071	734394.91399	-31.35	-5.45	5.346
7.0	31.91	14.95	12.62	-0.073	734394.92475	-31.60	-3.95	5.346
6.9	32.11	14.95	12.62	-0.073	734394.92982	-29.80	-10.85	5.345
6.4	32.24	14.94	12.62	-0.074	734394.93556	-30.35	-9.85	5.346
6.3	32.06	14.94	12.62	-0.075	734394.94134	-31.45	-5.60	5.347
6.1	32.26	14.90	12.62	-0.076	734394.94959	-31.20	-7.40	5.341
6.0	32.24	14.90	12.61	-0.077	734394.95645	-28.30	-14.15	5.347
5.8	32.05	14.89	12.61	-0.078	734394.96344	-31.45	-5.55	5.344
5.3	32.05	14.91	12.61	-0.080	734394.97727	-28.10	-14.15	5.347
4.6	31.64	14.93	12.61	-0.087	734395.03044	-28.20	-13.15	5.354
4.4	31.42	40.48	12.61	-0.089	734395.05196	-30.40	-7.20	5.446
4.1	32.03	46.35	12.61	-0.090	734395.06467	-31.55	-4.95	5.436
4.1	31.76	43.52	12.60	-0.091	734395.06905	-31.05	-6.00	5.441
4.4	31.42	35.31	12.60	-0.093	734395.09624	-20.35	-22.85	5.438
4.2	31.40	31.74	12.60	-0.093	734395.09983	-19.35	-23.70	5.446
3.7	31.21	27.58	12.60	-0.093	734395.10365	-27.80	-13.05	5.446
3.9	31.27	21.76	12.60	-0.093	734395.10890	-28.53	-10.18	5.441
4.7	31.30	15.58	12.60	-0.093	734395.11519	-28.15	-12.45	5.425
4.8	31.25	15.01	12.60	-0.094	734395.11996	-23.35	-19.55	5.412
4.5	31.60	15.00	12.60	-0.094	734395.12563	-19.05	-24.20	5.402
4.4	31.67	14.98	12.60	-0.094	734395.12917	-26.80	-15.60	5.396
4.3	31.75	14.97	12.60	-0.094	734395.13278	-26.15	-16.70	5.392
4.1	31.56	14.96	12.60	-0.094	734395.13771	-30.70	-6.60	5.379
4.3	32.19	44.18	12.60	-0.093	734395.15618	-31.60	-5.50	5.447
4.3	31.30	19.26	12.60	-0.093	734395.16192	-30.85	-4.75	5.440
4.8	31.61	15.03	12.60	-0.093	734395.16726	-25.60	-17.25	5.420

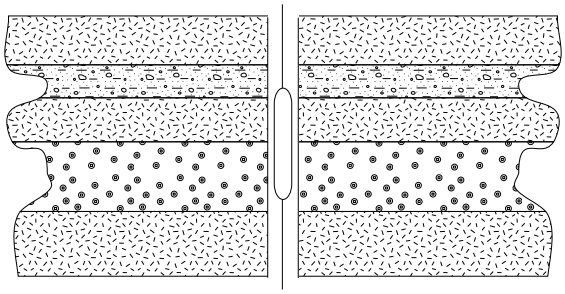
Num rpts	SCIN incl tvd	Station tvd	Station wld	Station number	Station depth shift	Station depth corr
1	0.000	0.000	0.000	1	0.000	0.000
2	0.000	0.000	0.000	1	0.000	0.000
2	42.403	42.403	50.000	5	0.000	0.000
2	46.632	46.632	55.000	6	0.000	0.000
2	55.103	55.528	65.500	10	0.424	0.036
2	63.599	63.599	75.000	13	0.000	0.000
2	61.048	61.048	72.000	12	0.000	0.000
2	58.499	58.499	69.000	11	0.000	0.000
2	53.405	53.405	63.000	9	0.000	0.000
2	50.865	50.865	60.000	8	0.000	0.000
2	48.325	48.325	57.000	7	0.000	0.000
2	46.632	46.632	55.000	6	0.000	0.000
2	42.403	42.403	50.000	5	0.000	0.000
2	33.949	33.949	40.000	4	0.000	0.000
2	25.480	25.480	30.000	3	0.000	0.000
2	17.000	17.000	20.000	2	0.000	0.000
2	72.112	72.112	85.000	16	0.000	0.000
2	97.737	97.737	115.000	25	0.000	0.000
2	102.838	102.838	121.000	27	0.000	0.000
2	100.291	100.291	118.000	26	0.000	0.000
2	95.177	95.177	112.000	24	0.000	0.000
2	92.616	92.616	109.000	23	0.000	0.000
2	90.053	89.625	105.500	22	-0.428	-0.036
4	86.203	86.203	101.500	21	0.000	0.000
4	81.076	80.862	95.250	19	-0.214	-0.018
2	77.226	77.226	91.000	18	0.000	0.000
2	74.666	74.666	88.000	17	0.000	0.000
2	72.112	72.112	85.000	16	0.000	0.000
2	69.557	69.557	82.000	15	0.000	0.000
2	67.003	67.003	79.000	14	0.000	0.000
2	102.838	102.838	121.000	27	0.000	0.000
2	84.921	84.921	100.000	20	0.000	0.000
2	69.557	69.557	82.000	15	0.000	0.000

terrain corr	Drift corr	BHGM temp corr	Rotation corr	Total Corrections	Corrected grav	FA corr
10.934	0.000	0.000	-0.058	10.821	10.821	-419.308
10.934	-0.029	0.001	-0.014	10.836	10.866	-419.308
8.018	-0.313	-0.016	-0.100	7.526	14.392	-406.238
7.834	-0.395	-0.016	-0.114	7.245	14.802	-404.935
7.491	-0.488	-0.013	-0.109	6.851	15.770	-402.193
7.169	-0.588	-0.010	-0.120	6.384	16.586	-399.705
7.264	-0.656	-0.010	-0.091	6.437	16.311	-400.492
7.360	-0.725	-0.007	-0.062	6.495	16.065	-401.277
7.558	-0.825	-0.004	0.013	6.670	15.611	-402.847
7.661	-0.871	-0.002	-0.115	6.600	15.187	-403.630
7.764	-0.924	-0.003	-0.120	6.643	14.943	-404.413
7.834	-0.978	-0.002	-0.114	6.665	14.757	-404.935
8.018	-1.054	0.002	-0.105	6.785	14.335	-406.238
8.396	-1.117	0.002	-0.120	7.084	13.477	-408.844
8.804	-1.181	0.005	-0.114	7.436	12.714	-411.454
9.267	-1.309	0.009	0.019	7.906	12.110	-414.068
6.864	-1.799	0.015	-0.092	4.900	17.435	-397.081
6.032	-1.998	-0.037	-0.123	3.784	20.224	-389.183
5.873	-2.115	-0.025	-0.115	3.527	20.616	-387.611
5.952	-2.156	-0.031	-0.107	3.568	20.371	-388.396
6.112	-2.406	-0.025	-0.118	3.470	20.034	-389.972
6.192	-2.439	-0.027	-0.062	3.572	19.826	-390.761
6.275	-2.475	-0.027	-0.126	3.518	19.387	-391.683
6.396	-2.523	-0.025	-0.124	3.630	18.926	-392.738
6.563	-2.581	-0.018	-0.124	3.729	18.317	-394.384
6.689	-2.625	-0.002	-0.116	3.852	17.949	-395.505
6.776	-2.677	0.012	-0.119	3.899	17.747	-396.294
6.864	-2.710	0.017	-0.123	3.954	17.486	-397.081
6.952	-2.743	0.022	-0.124	4.014	17.188	-397.869
7.044	-2.789	0.027	-0.090	4.098	16.898	-398.656
5.873	-2.959	-0.011	-0.125	2.685	20.659	-387.611
6.438	-3.012	-0.012	-0.081	3.239	18.787	-393.133
6.952	-3.061	0.003	-0.119	3.683	17.140	-397.869

Bouguer Anomaly
0.000
0.045
0.637
0.754
1.107
1.364
1.266
1.196
1.095
0.846
0.778
0.709
0.580
0.307
0.130
0.112
1.625
2.640
2.679
2.610
2.627
2.597
2.364
2.140
1.900
1.784
1.759
1.675
1.554
1.440
2.722
2.090
1.506

Well name	Rau_10_116			
Wellhead elevation		1360		
Wellhead latitude		64.198946		
Wellhead longitude		-134.415364		
Well units	m			
Density type	Inversion BHGM density			
Depth	Wireline		Density	Sigma density
0.000		0.000	2.767	0.021
17.000		20.000	2.822	0.010
25.480		30.000	2.601	0.010
33.949		40.000	2.445	0.020
42.403		50.000	2.481	0.033
46.632		55.000	2.484	0.028
48.325		57.000	2.477	0.028
50.865		60.000	1.810	0.027
53.405		63.000	2.676	0.031
55.528		65.500	2.507	0.024
58.499		69.000	2.514	0.027
61.048		72.000	2.410	0.027
63.599		75.000	2.565	0.022
67.003		79.000	2.378	0.027
69.557		82.000	2.360	0.021
72.112		85.000	2.361	0.027
74.666		88.000	2.690	0.028
77.226		91.000	2.475	0.021
80.862		95.250	2.295	0.018
84.921		100.000	2.382	0.040
86.203		101.500	2.067	0.020
89.625		105.500	1.975	0.024
92.616		109.000	2.670	0.027
95.177		112.000	2.789	0.027
97.737		115.000	2.943	0.028
100.291		118.000	2.474	0.037
102.838		121.000		

Archer, Cathro and Associates
Borehole Gravity Meter Survey
Rau Trend, Yukon, Canada



Report SCIN-BHGM-2011-002

Jeffrey D. MacQueen

LRS, Inc.

March 29, 2011

SCINTREX

A DIVISION OF LRS

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1 Survey overview

In 2010, Archer, Cathro and Associates contracted Scintrex Limited to conduct a multi-hole Borehole Gravity Meter (BHGM) survey in the Rau Trend Prospect, Yukon, Canada. The survey was designed to detect gravity and bulk density anomalies arising from gold-hosting oxide and sulphide mineralization. Scintrex acquired BHGM data in eight boreholes in September, 2010. The BHGM data was processed by MicrogLaCoste (MGL), Scintrex' sister company.

2 The Gravilog system

Scintrex has developed the Gravilog borehole gravity system (Nind et al., 2007) for mining and geotechnical applications. The gravity sensor is based on the fused quartz technology proven to be rugged and accurate in Scintrex land exploration gravity meters (most recently the CG-5). This basic sensor technology has been miniaturized and equipped with self-leveling capabilities. The associated electronics modules have been packaged to fit into a narrow-diameter borehole sonde. Gravilog has been designed to log inside NQ (57 mm I.D.) drill rods to 2,000 m depth, using standard 4 conductor wireline cable, with a sensitivity of better than 5 μGals, and operable in boreholes inclined from vertical to 60° off of vertical. Gravilog has undergone extensive laboratory testing, followed by several successful mining-industry-sponsored downhole tests.

2.1 Field operation procedure

At each station, the cable is clamped using the winch brake to secure the probe. The gravity sensor is leveled, and repeated 60 second gravity measurements (usually 3-5) are taken until the readings stabilize. The winch brake is then disengaged and the probe is moved to the next station location using the winch counter for a depth reference. This procedure requires about 5 minutes at each station, plus the time required for moving between stations.

3 Survey operations

The four-person Scintrex crew was initially mobilized for the survey on August 8th, 2010. After arrival at the first borehole, the Gravilog probe failed pre-survey checks. On-site diagnosis indicated a problem with the senor module itself, possibly due to shock/vibration during the rough

road transport to the drillsite. At this time, Scintrex had only one Gravilog probe available, so the survey had to be put on hold until the problem was fixed. The gravity module was returned to Scintrex for repair, and the crew was demobilized on August 15th.

After repair at Scintrex and completion of a second, backup Gravilog probe, the Scintrex crew (again four persons) re-mobilized on September 7th, 2010. The crew was divided into two two-man teams, which operated 24/7. The Gravilog probe was flown by fixed-wing aircraft and helicopter to the survey site to avoid transportation over rough roads, and then shifted from drillsite to drillsite via helicopter long-line. The Gravilog sensor was kept on heat being transported to avoid excessive drift due to thermal cycling. The survey crew was demobilized on September 15th, 2010.

Each borehole was tested with a dummy sonde before logging: two boreholes were found to be blocked and were not logged. Hole 10-96 was first surveyed with an incorrect maximum depth supplied. This caused the sonde to bottom out, tangling the winch cable. The hole was re-logged, and the relogging run is referred to as 10-96R.

Overall, the extremely rugged terrain in the survey area (see Figure 1 for an example) produced difficult and hazardous working conditions for the survey crew. This survey was conducted in, quite likely, the most rugged terrain ever to host a BHGM survey.

4 Data processing

The BHGM survey data processing was done by MicrogLaCoste (MGL). MGL and Scintrex are divisions of LaCoste-Romberg-Scintrex (LRS). MGL has been involved with BHGM data acquisition and processing for several years, using both LaCoste & Romberg metal-spring and Scintrex Quartz spring systems. MGL has developed an extensive suite of software for processing and interpretation of BHGM data, which was used in the processing of this survey. A good general introduction to BHGM survey data processing can be found in Beyer (1983).

The processing workflow consisted of three main steps:

1. Deterministic corrections, which can be calculated independent of the observed gravity data. These include depth corrections and Earth tide corrections.

2. Least-squares correction, which are determined using the observed gravity data.

3. Manual editing, which allows the processor to visually edit out gravity readings which are obvious outliers.

Figure 1: Survey area terrain

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These steps were applied in multiple iterative passes through the data until there were no obvious outliers or systematic repeat stations errors remaining in the dataset.

4.1 Least-squares corrections

In addition to the deterministic corrections, which have known functional forms and are independent of the observed gravity values, there are other corrections which can be applied to the BHGM data which are empirical in nature. The major corrections of this type are time-based meter drift corrections and sensor temperature corrections. The drift is modeled as a linear function of time, and the sensor temperature response is modeled as directly proportional to the deviations of the logged temperature about the mean temperature. The coefficients of these models are determined by least squares techniques, with the objective being to minimize the scatter of readings at repeat stations.

4.2 Manual editing

An example of a manual edit run is shown in Figure 2. The point marked with a red 'x' is selected as an obvious outlier, and will be flagged for removal from the dataset.

5 Terrain corrections

Due to the steep terrain of the survey area and the shallow depth of the boreholes, terrain corrections were critical in the processing of the gravity data. Scintrex subcontracted the terrain correction calculations to Geoaviation LLC. An example of the calculated densities from Borehole 10-104 is shown both with (Figure 3) and without (Figure 4) terrain corrections applied.

Figure 2: Manual editing

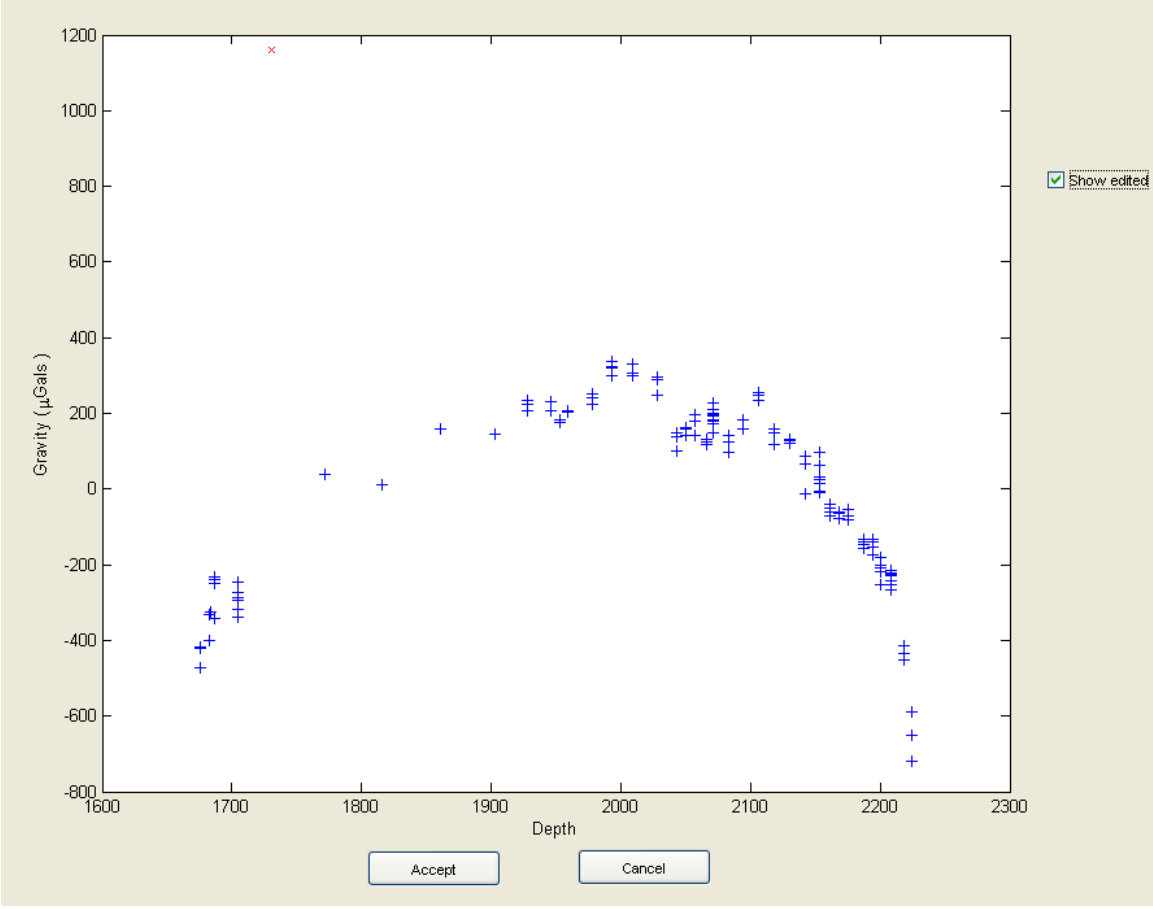

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Figure 3: Conventional BHGM density log, Borehole 10-104
Terrain corrections applied

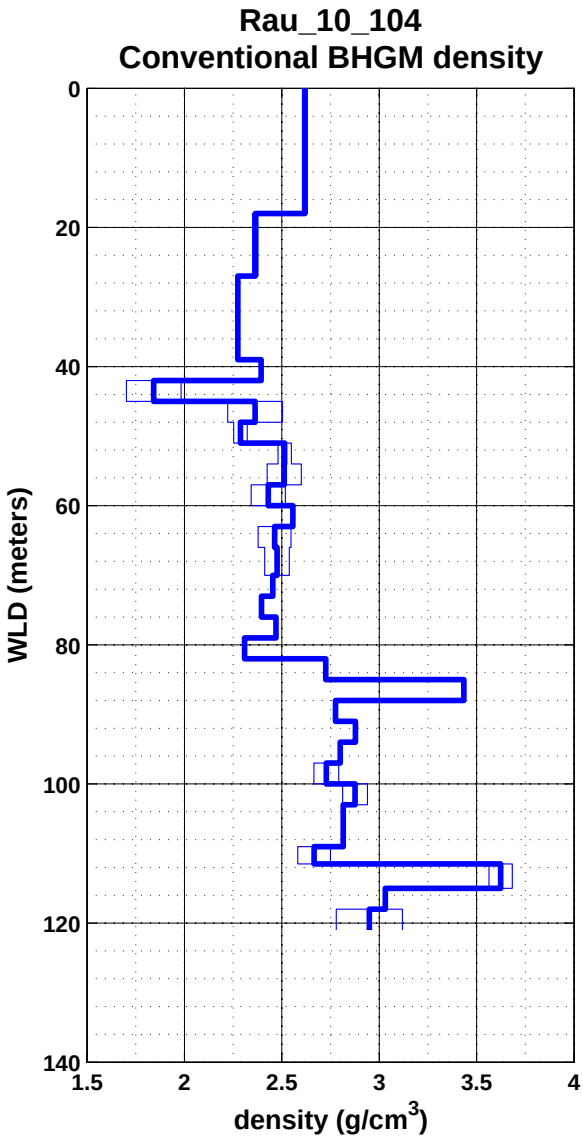

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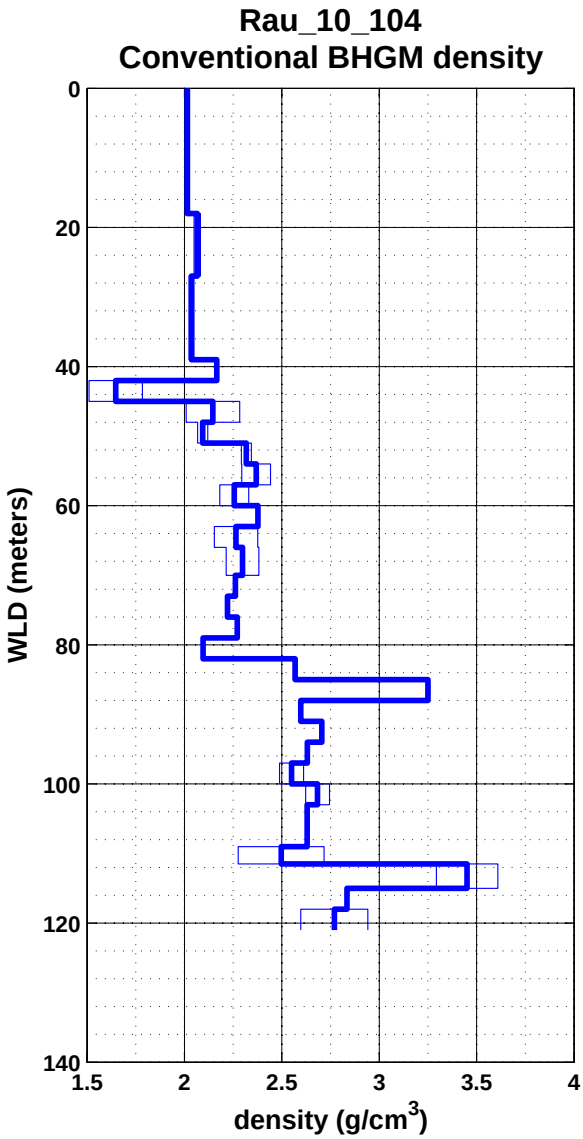
Figure 4: Conventional BHGM density log, Borehole 10-104
No terrain corrections applied



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5.1 Terrain correction data sources

The terrain corrections for the RAU Prospect were based on the following data sets:

1. Well collar locations provided by Matt Dumala of Archer, Cathro and Associates Ltd. in an Excel file.
2. 2 meter contours of the extended well site area provided by Matt Dumala of Archer, Cathro and Associates Ltd. in AutoCAD files.
3. Gravilog survey station wire line depths from MGL in an Excel file.
4. Hole locations and directions from Alex Milanovic, Scintrex in an Excel file.
5. GPS-RTK survey data from Alex Milanovic, Scintrex in AutoCAD and Excel files.
6. 30m and 90m Yukon DEM data from Environment Yukon.

5.2 Terrain correction processing steps

The Gravilog survey station depths were measured relative to the well collar elevations, measured by RTK-GPS at ground level after establishing the drill pads. The UTM horizontal coordinates and elevations of each survey station were calculated using the hole directions and wire line depths.

The 2m contour line coordinates and elevations were extracted from the AutoCAD dxf file and triangulated to a regular 1 meter grid over an area within a radius of 4500 m from the approximate center of the well pattern.

A discrepancy was noted between the well collar elevations and the surface elevations at the collar locations derived from this 1 meter grid. The most likely source of this discrepancy is that the Ortho Photo survey elevations are calculated relative to orthometric heights whereas the RTK-GPS surveyed well collars are ellipsoidal heights. The vertical distance between the geoid and the ellipse at the prospect location calculated from the Canadian Spatial Reference System program GPS-H, is 7.044 meters. The ellipsoidal elevations of 7400 points from the GPS-RTK survey were compared to elevations at the same locations from the Ortho Photo survey. The mean elevation difference was 7.866 meters with a standard deviation of 2.241 meters.

The terrain calculations were made using the well collar GPS-RTK elevations decreased by 7.87 meters to match the orthometric elevation surface.

Ortho photo elevations from the station location to a radius of 3,740 meters were used in the terrain correction calculation.

The 30 meter Yukon DEM data was converted from the Yukon Albers projection to UTM zone 8N and gridded within a radius of 20,000 meters of the well pattern center. 30 meter data from 3,740 m to 18,200 m station radius were used in the terrain correction calculation.

The 90 meter Yukon DEM data was converted from the Yukon Albers projection to UTM zone 8N and gridded within a 125,000 meter radius of the well pattern center. 90 meter data from 18,200 meters to 121,500 meters station radius were used in the terrain correction calculation.

The Geoaviation software program, DEMaster, calculated terrain corrections for each Gravilog station using a traditional ring and compartment pattern of elevations centered on each station position. The ring radii are finely spaced near the stations to account for the steep terrain. The terrain density assumed for each terrain compartment was 1.00 g/cm^3. The final processing application of the terrain corrections used a density of 2.85 g/cm^3, as communicated by Archer Cathro. This density is an average core sample density.

6 Processing results

6.1 Repeat statistics

The repeatability of the gravity data in each borehole is reported in Table 1. Overall, the data quality of this survey may have been impacted by any or all of the following factors:

1. The boreholes were generally dry or partially water-filled. Water-filled boreholes produce smoother sonde travel, which improves the gravity meter performance.

2. Transitions from air to water in the boreholes can create abrupt temperature changes, which may hinder thermal stabilization of the Gravilog sensor and increased reading time.

3. Shallow BHGM gravity readings are generally noisier than deeper readings, due to increased seismic near the surface.

4. The field crew reported active drilling operations in the area, at times within 50 meters of BHGM logging. This may have increased the overall seismic noise level.

Table 1: Borehole gravity repeatability

Borehole	Gravity repeatability (μGals)
10-79	11.1
10-82	24.6
10-85	15.3
10-86	14.9
10-90	17.6
10-96R	10.7
10-104	10.8
10-116	25.2

6.2 Bouguer gravity residuals

The overall trend of gravity versus depth in a BHGM survey is dominated by the Earth's normal free-air gradient and the effect of the density of the rocks surrounding the borehole. The strong linear gravity-depth trend makes it very difficult to recognize anomalous zones in the BHGM data. The free-air gradient can easily be removed using the standard second-order free-air formula (equation (1)).

$$F = -\left(0.3087691 + 0.0004398\sin^2\varphi\right)h + 7.2125\times10^{-8}h^2 \tag{1}$$

where φ is the latitude of the borehole, and h is the depth in meters. In order to aid in visual recognition of anomalous density zones in the area around the borehole, the effect of a constant rock density can be removed from the free-air corrected gravity to produce the borehole equivalent of the Bouguer anomaly. After free-air correction, the standard equation relating gravity gradient in the borehole to density is

$$\frac{dG}{dz} = -\frac{1}{4\pi G}\rho\left(z\right) \tag{2}$$

If we assume a constant density $\rho\left(z\right) = \rho_{BG}$ and integrate equation (2) with respect to z, we find that the gravity effect of a constant density is a linear gravity/depth trend.

$$G\left(z\right) = G_0 - \frac{1}{4\pi G}\rho_{BG}\,z \tag{3}$$

G_0 is an arbitrary integration constant, which can be ignored since BHGM surveys are relative surveys.

For this survey, the Bouguer anomalies were calculated using a density $\rho_{BG} = 2.85\,\text{g/cm}^3$ (same as the terrain correction density), supplied by the client.

Inspection of the Bouguer anomaly curves for the boreholes suggests that the supplied density is too high, possibly due to sample bias. The drillhole locations may be preferentially located in mineralized zones, with higher rock densities which do not reflect the overall density of the local geology. It may be worthwhile to reprocess the dataset using a density for both terrain corrections and Bouguer corrections which will produce Bouguer anomaly curves having minimum trend.

6.3 Density logs

Apparent density logs can be calculated from BHGM data in several ways. The methods used by MGL assume a horizontally-layered earth, under which assumption the vertical gradient of gravity over the BHGM-logged section of the borehole is determined solely by the density variations within the logged section.

6.3.1 Conventional density

The standard equation for calculating interval density from BHGM data is equation (4):

$$\rho_{12} = \frac{1}{4\pi G}\left(F - \frac{g_2 - g_1}{z_2 - z_1}\right) \tag{4}$$

where the interval density is ρ_{12}, G is the universal gravitational constant, F is the free-air gravity gradient, and g_1 and g_2 are the gravity measurements at depths z_1 and z_2, respectively.

6.3.2 Inversion density

The MicrogLaCoste BHGM inversion method allows stable calculation of interval densities over much closer station spacings than are feasible using the traditional method. The damped least-squares techniques used in the inversion stabilize the density calculations in three ways:

1. The observed gravity data, which we know contain some amount of error, are not fit exactly, but only to within a tolerance determined by the noise level of the data.

2. The inherent redundancy of borehole gravity data further stabilizes the calculations. Each interval density influences the measured value at all the borehole gravity stations, so that each gravity value helps to constrain all the interval densities in the logged interval. The rocks in a given interval will increase the gravity for all stations above the interval, and decrease the gravity for all stations below the interval. The inversion algorithm uses all the gravity data to help estimate the density in a given interval, not just the data from the two stations immediately above and below the interval. An example might make this redundancy more obvious. Assume we have eleven stations at 10 foot intervals, spanning 100 feet of the borehole. The traditional method of calculating densities would use only the two gravity stations immediately above and below each interval. The inversion uses all 11 gravity stations simultaneously to determine each interval density.

3. Given the inherent non-uniqueness of gravity inversions, there are an infinite number of density models which reproduce the observed gravity data to within a specified tolerance. Out of this infinite number of models, the inversion algorithm calculates the one having the smallest deviation (in a least-squares sense) from a constant density. This has been called ”the principle of least astonishment”.

A more detailed summary of the BHGM inversion method can be found in MacQueen (2007)

6.4 Borehole plots

6.4.1 Borehole 10-79

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Figure 5: Bouguer anomaly log, Borehole 10-79

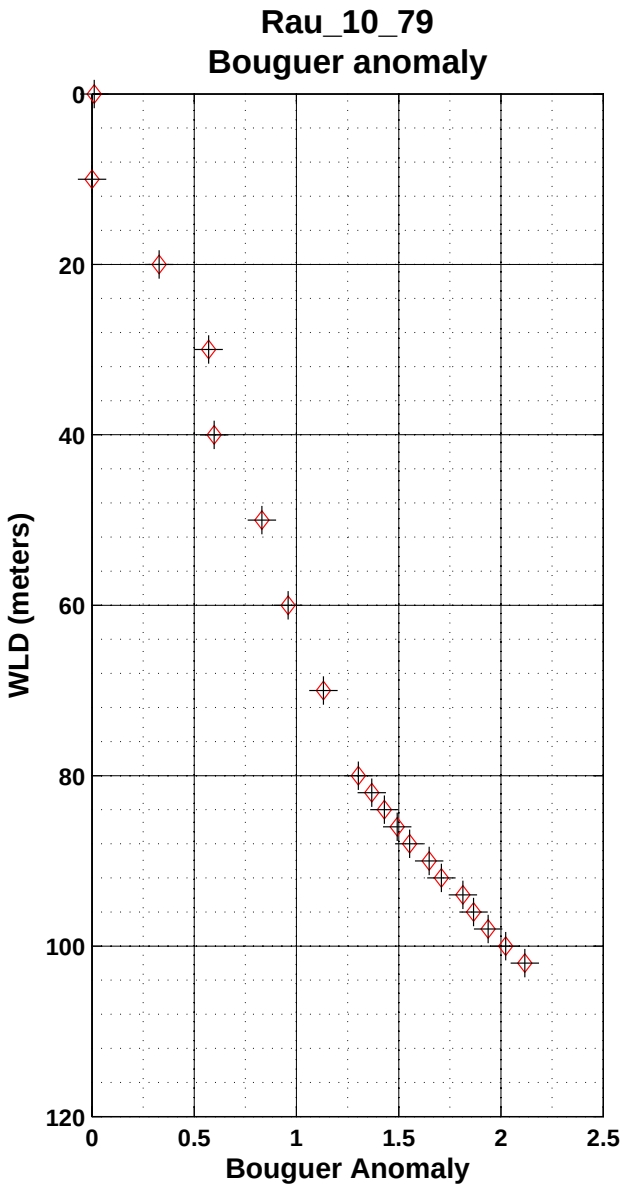

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Figure 6: Conventional BHGM density log, Borehole 10-79

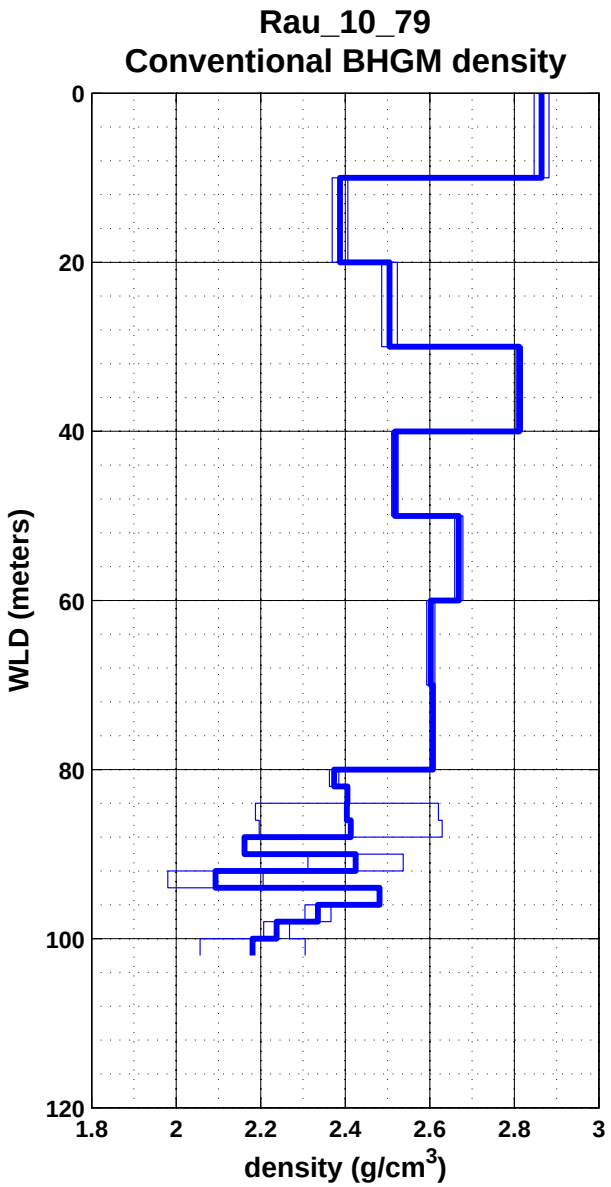

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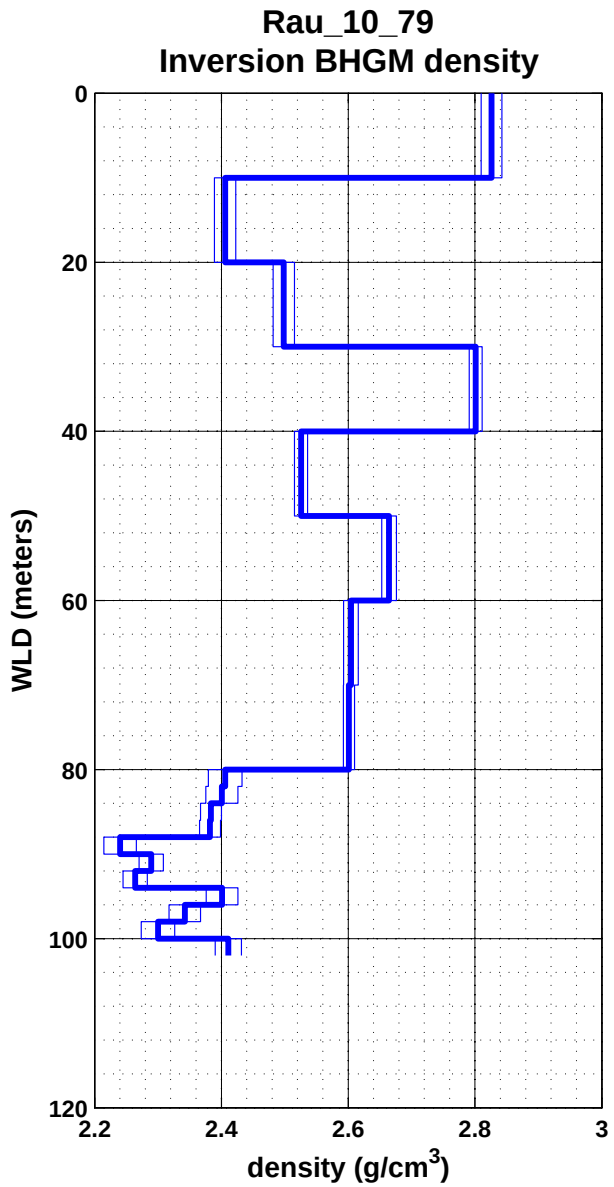
Figure 7: Inversion BHGM density log, Borehole 10-79



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6.4.2 Borehole 10-82

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Figure 8: Bouguer anomaly log, Borehole 10-82

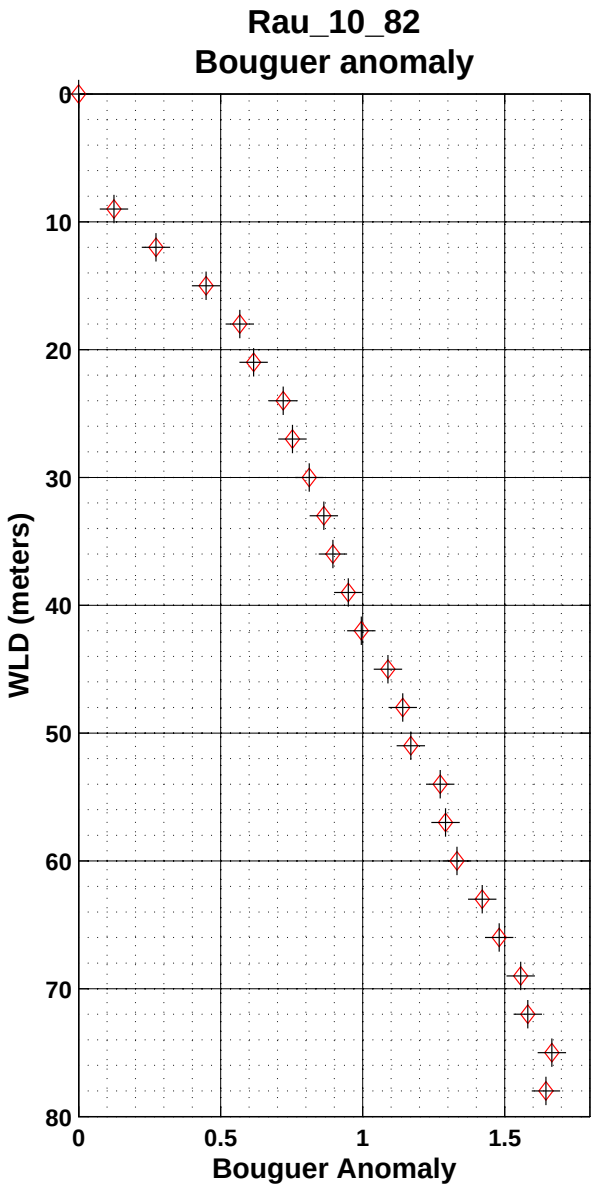

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Figure 9: Conventional BHGM density log, Borehole 10-82

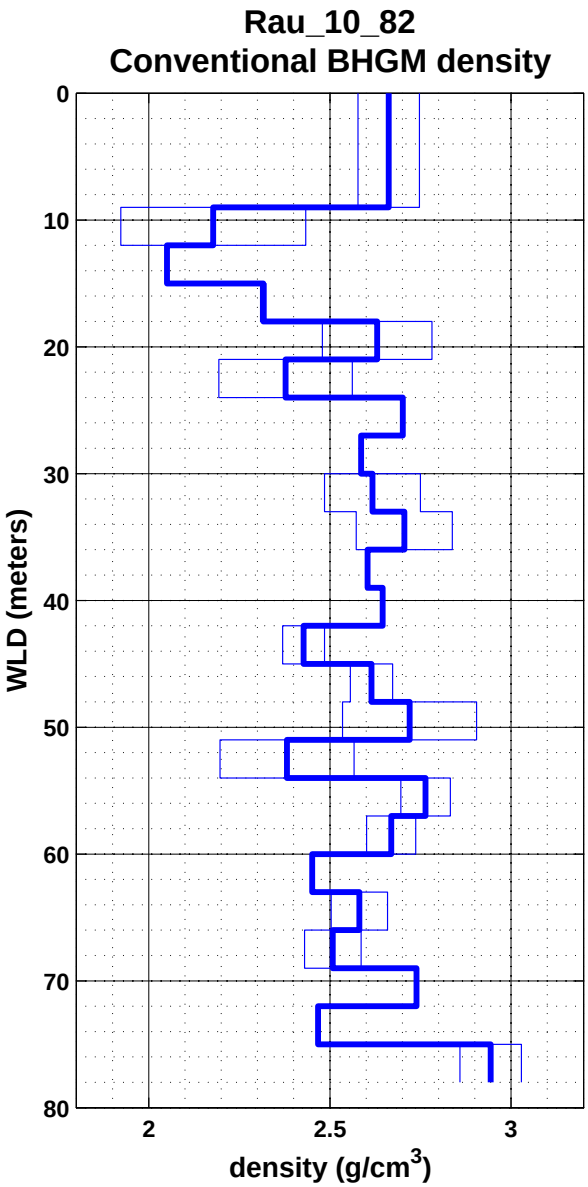

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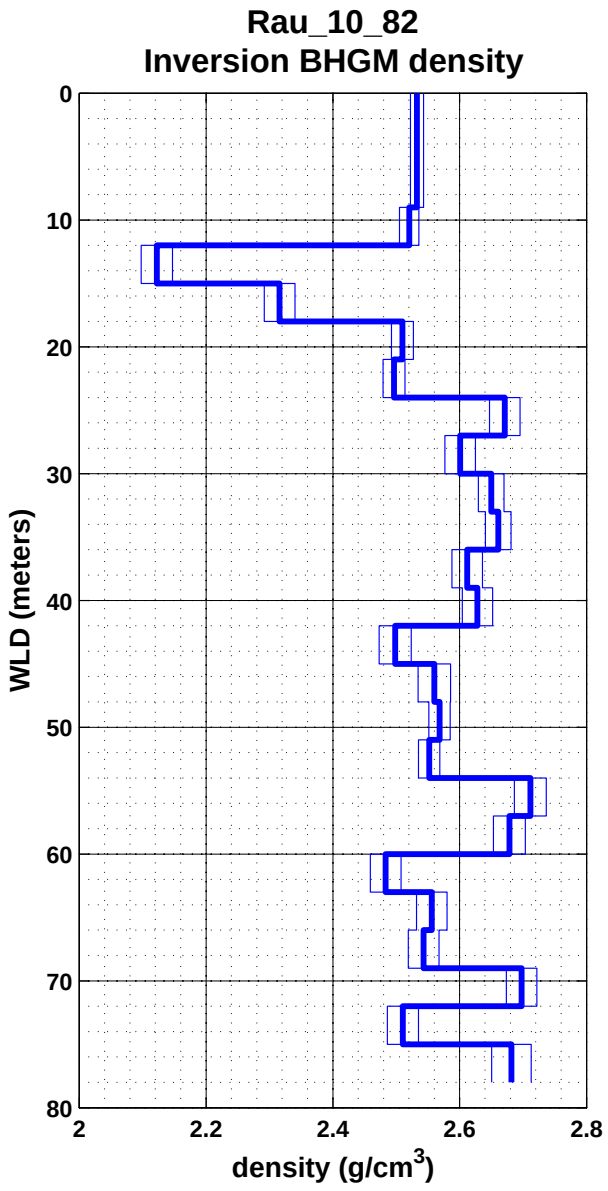
Figure 10: Inversion BHGM density log, Borehole 10-82



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6.4.3 Borehole 10-85

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Figure 11: Bouguer anomaly log, Borehole 10-85

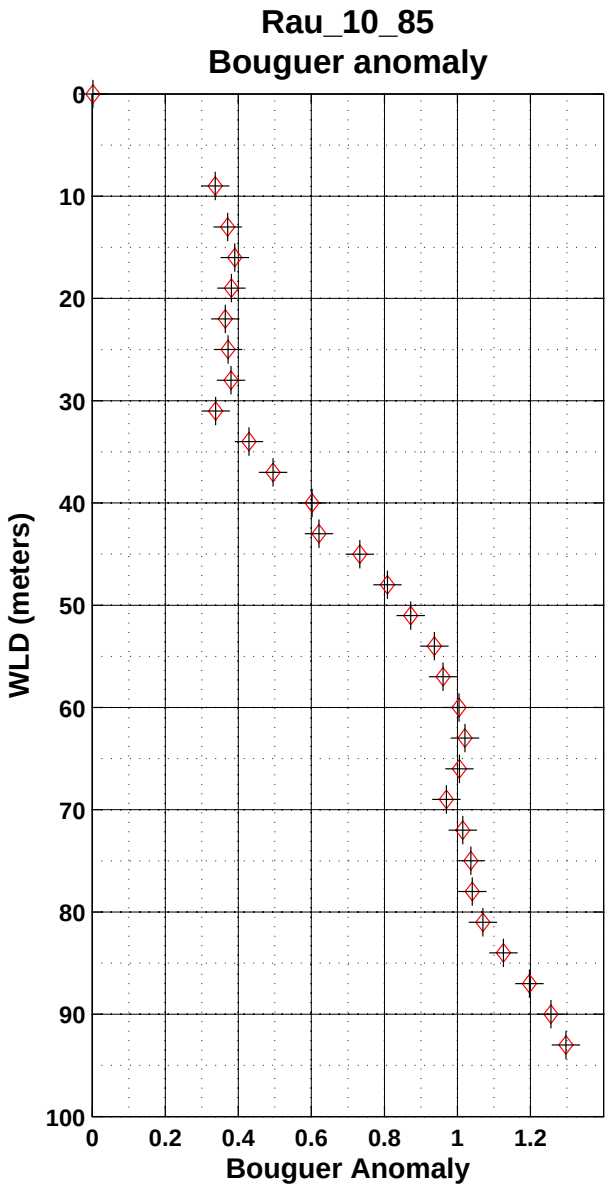

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Figure 12: Conventional BHGM density log, Borehole 10-85

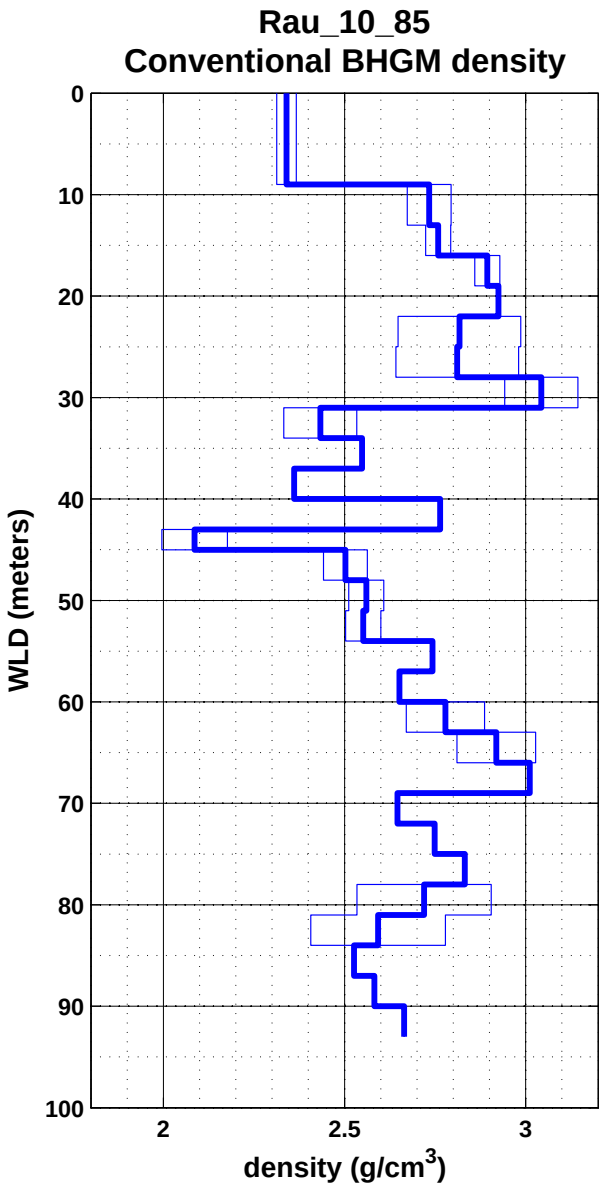

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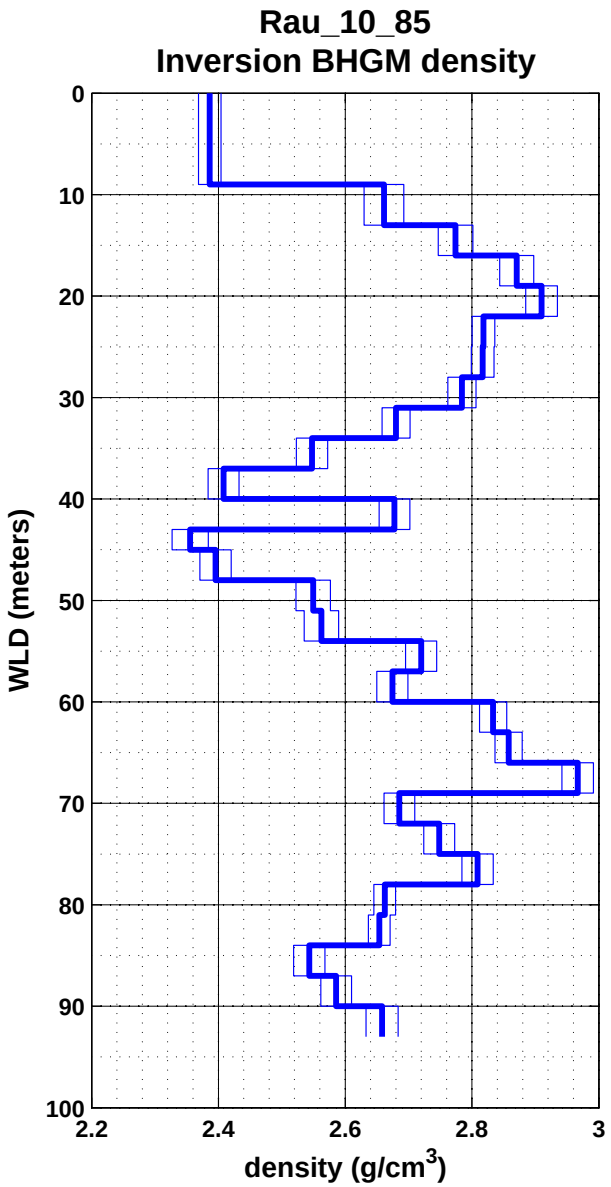
Figure 13: Inversion BHGM density log, Borehole 10-85



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6.4.4 Borehole 10-86

Figure 14: Bouguer anomaly log, Borehole 10-86

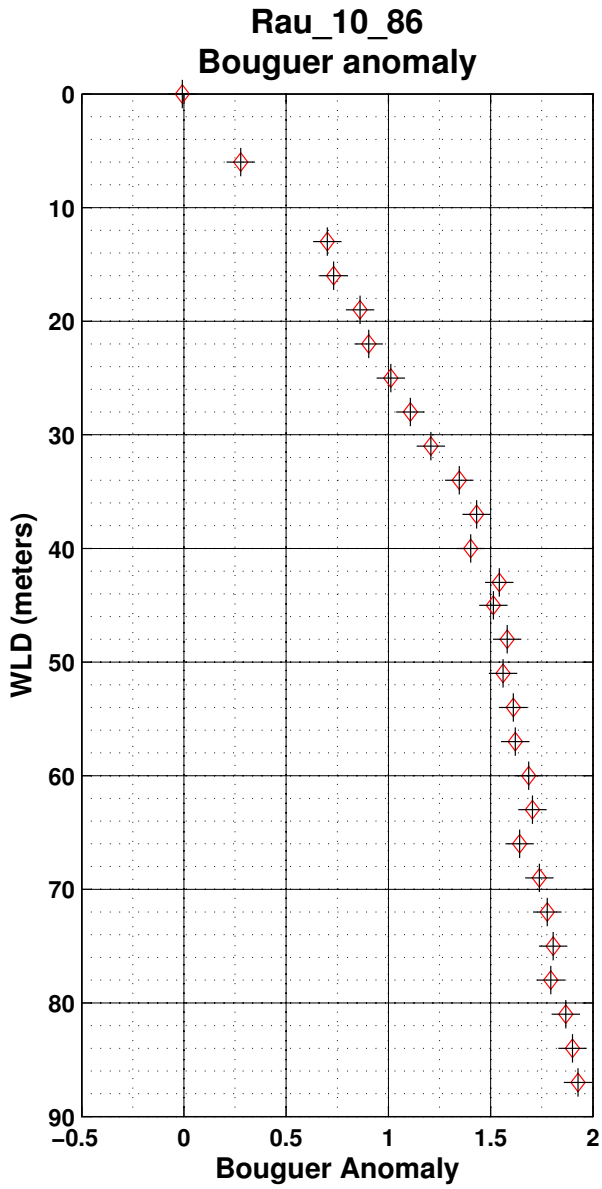

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Figure 15: Conventional BHGM density log, Borehole 10-86

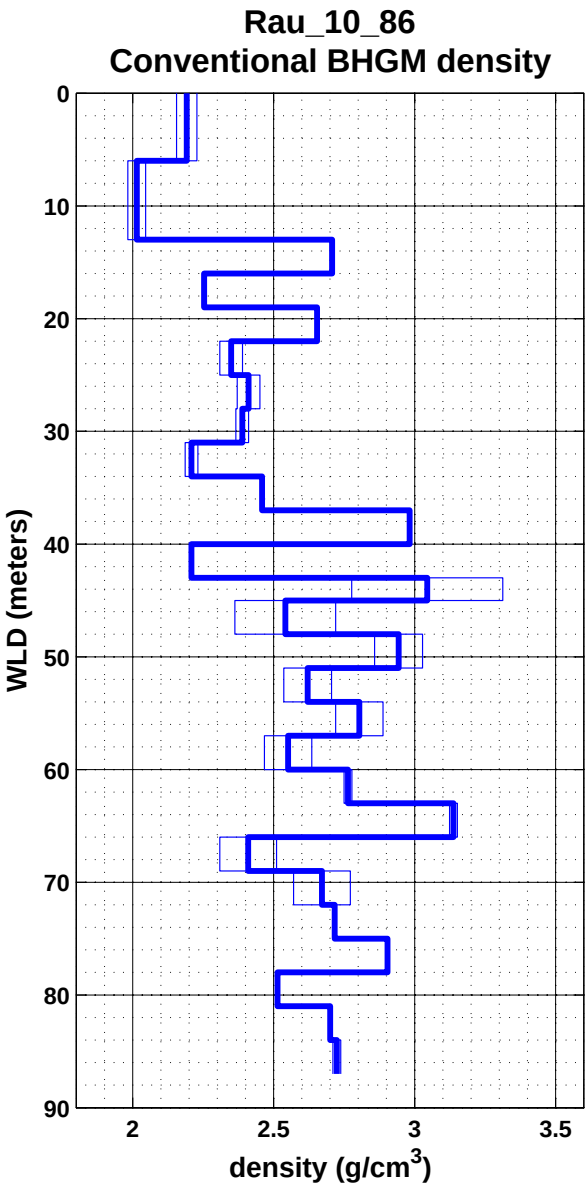

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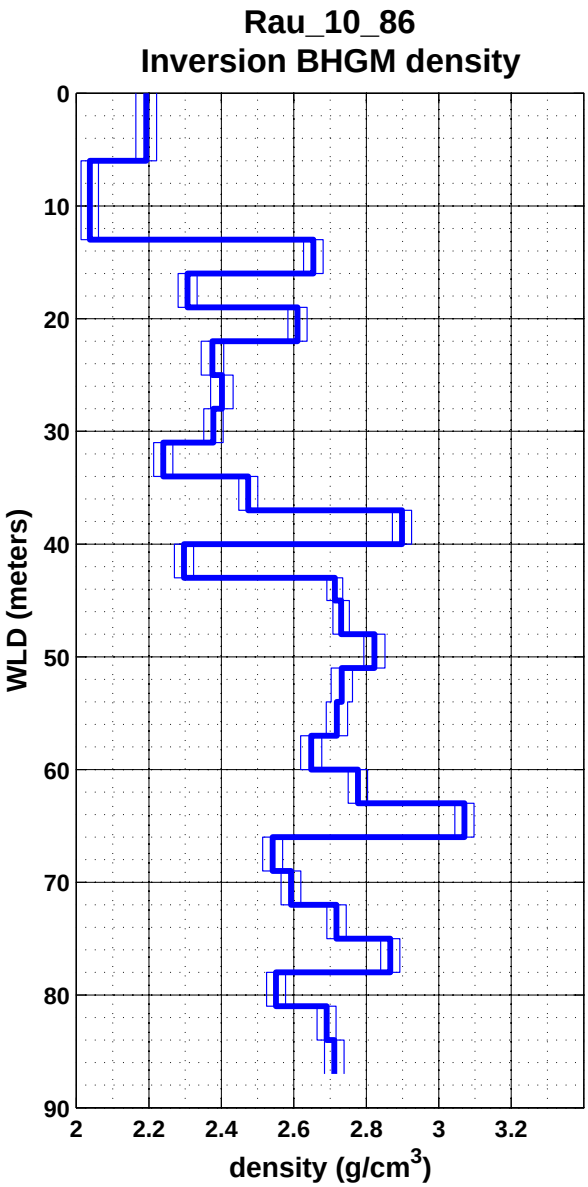
Figure 16: Inversion BHGM density log, Borehole 10-86



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6.4.5 Borehole 10-90

Figure 17: Bouguer anomaly log, Borehole 10-90

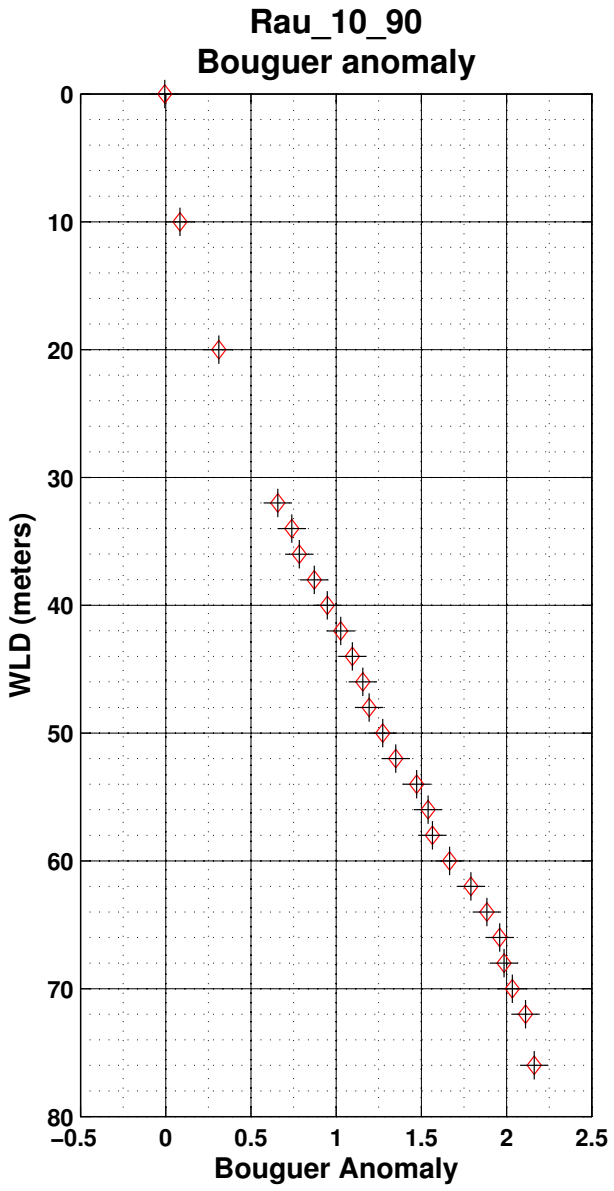

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Figure 18: Conventional BHGM density log, Borehole 10-90

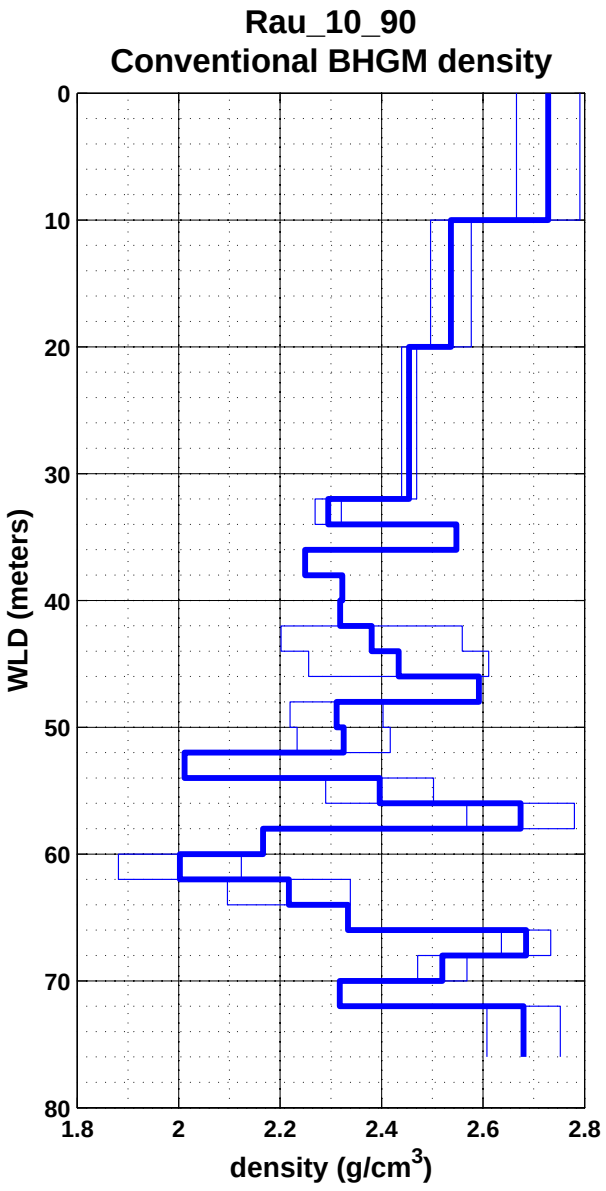

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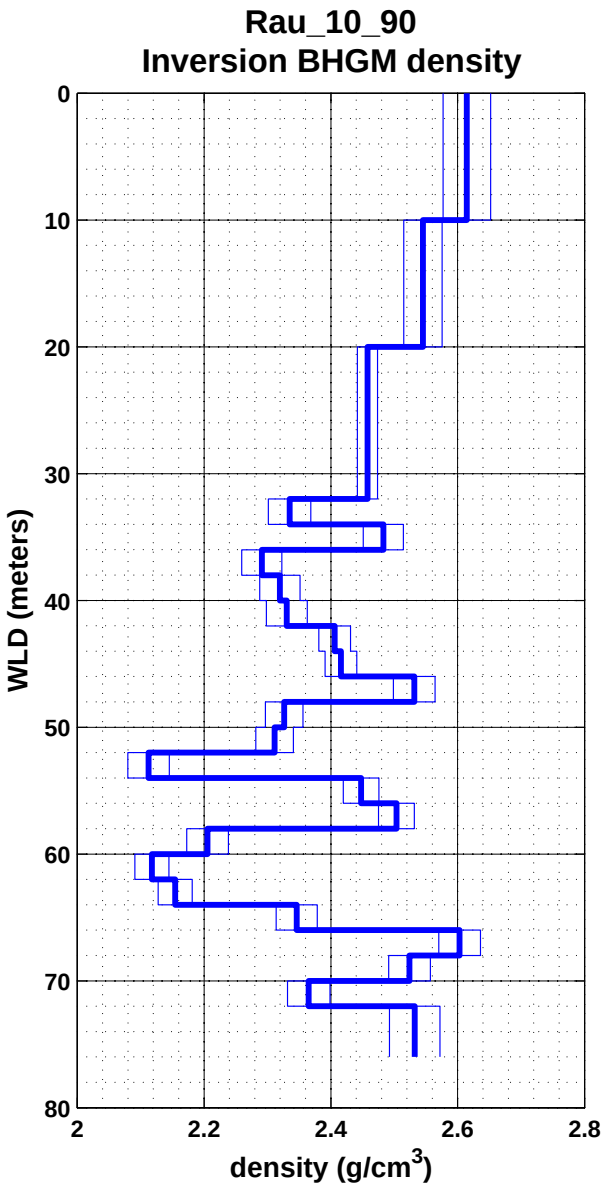
Figure 19: Inversion BHGM density log, Borehole 10-90



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6.4.6 Borehole 10-96R

Figure 20: Bouguer anomaly log, Borehole 10-96R

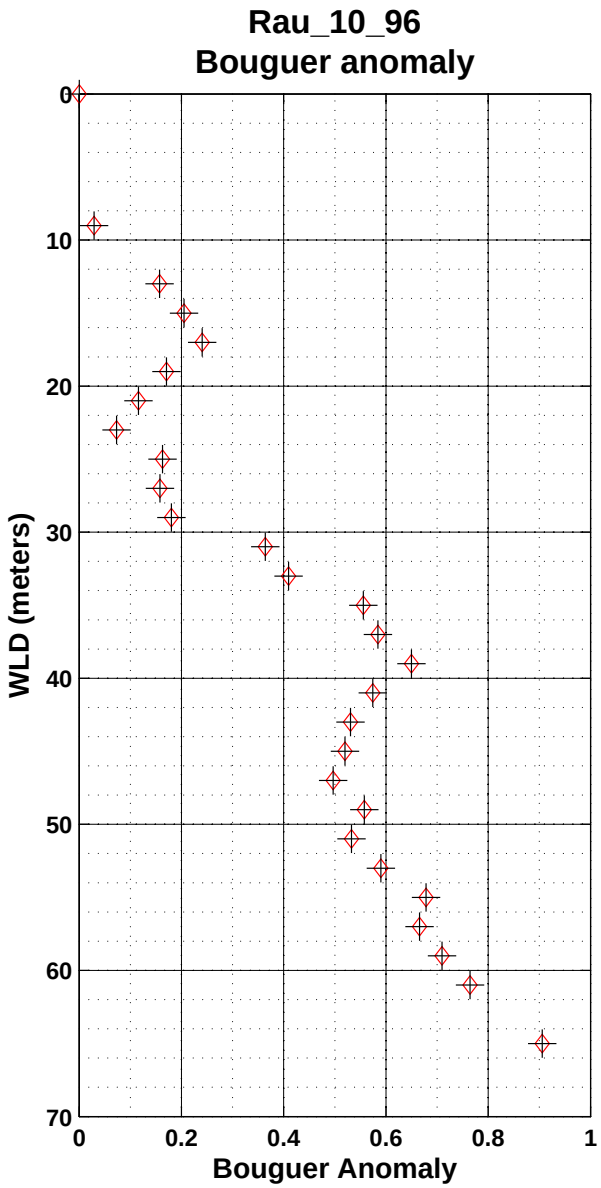

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Figure 21: Conventional BHGM density log, Borehole 10-96R

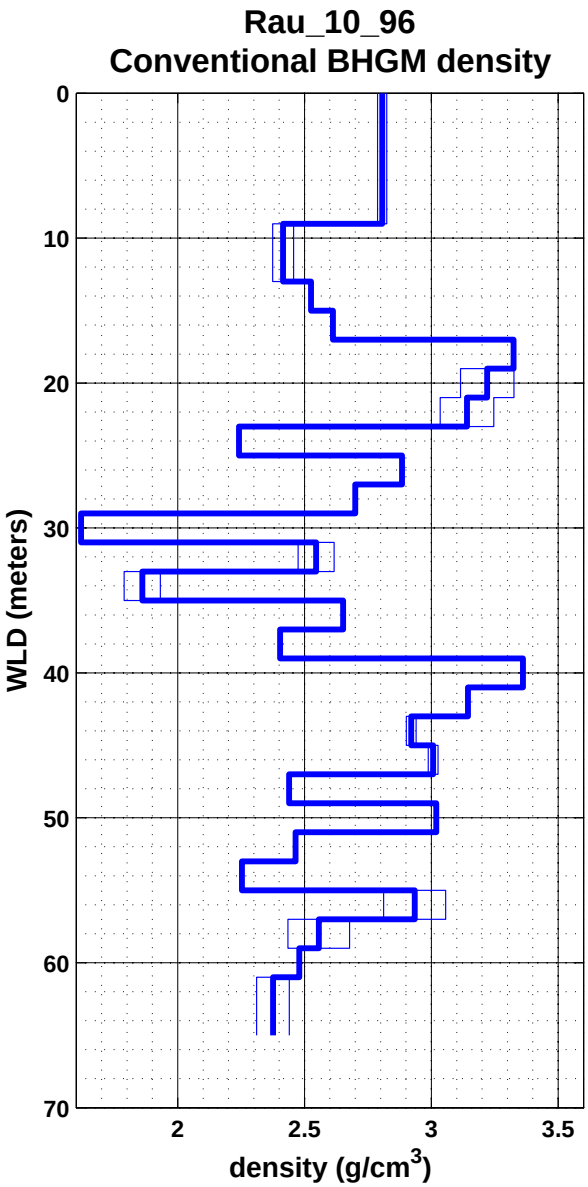

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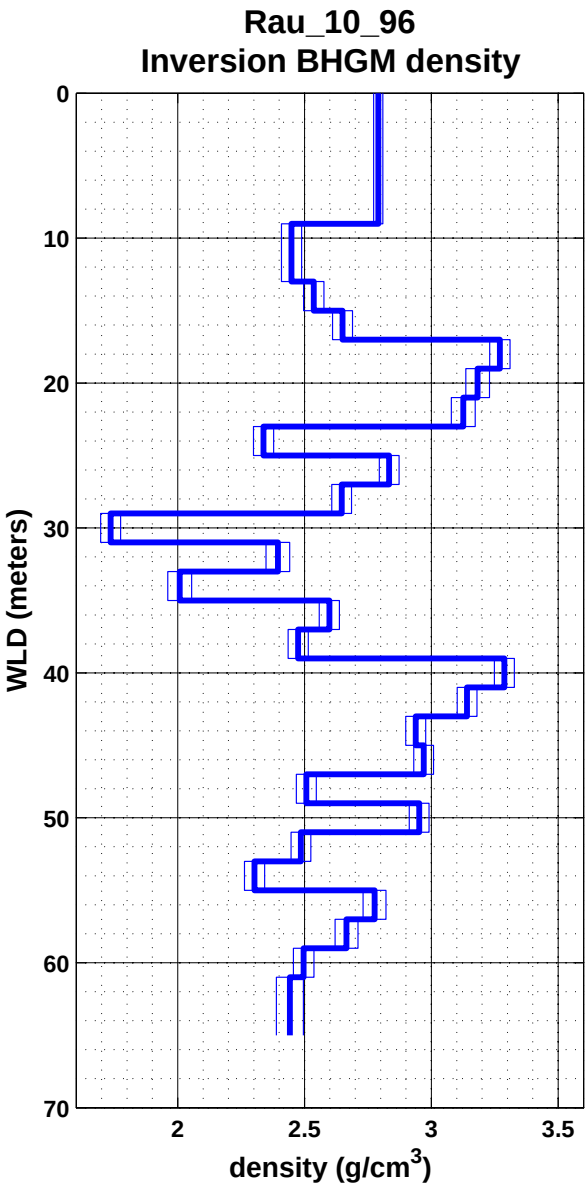
Figure 22: Inversion BHGM density log, Borehole 10-96R



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6.4.7 Borehole 10-104

Figure 23: Bouguer anomaly log, Borehole 10-104

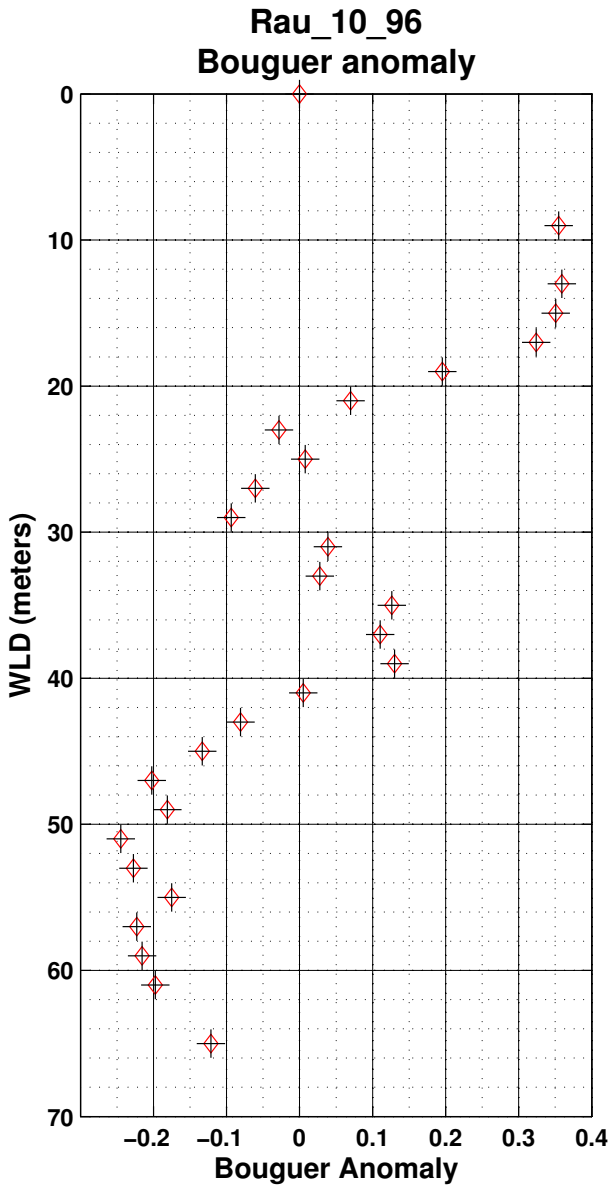

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Figure 24: Conventional BHGM density log, Borehole 10-104

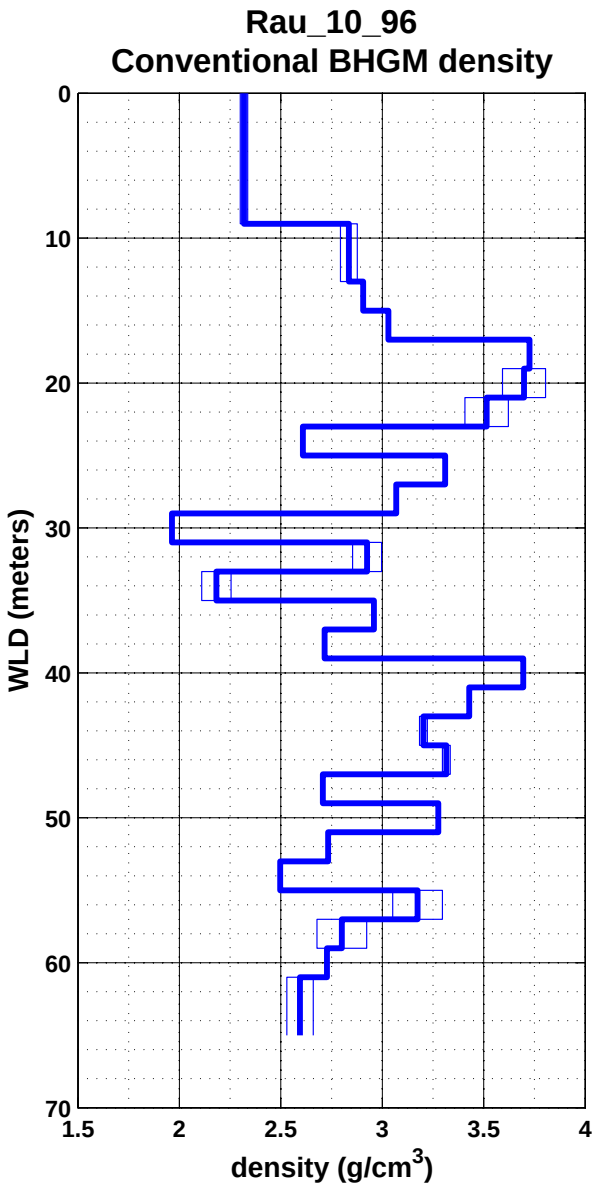

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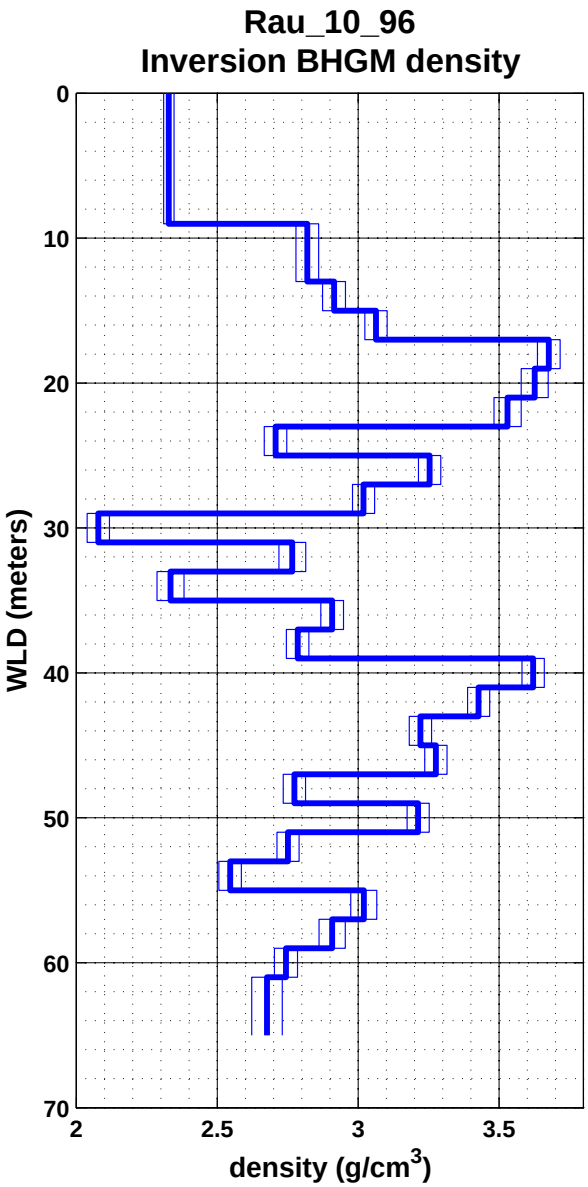
Figure 25: Inversion BHGM density log, Borehole 10-104



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6.4.8 Borehole 10-116

Figure 26: Bouguer anomaly log, Borehole 10-116

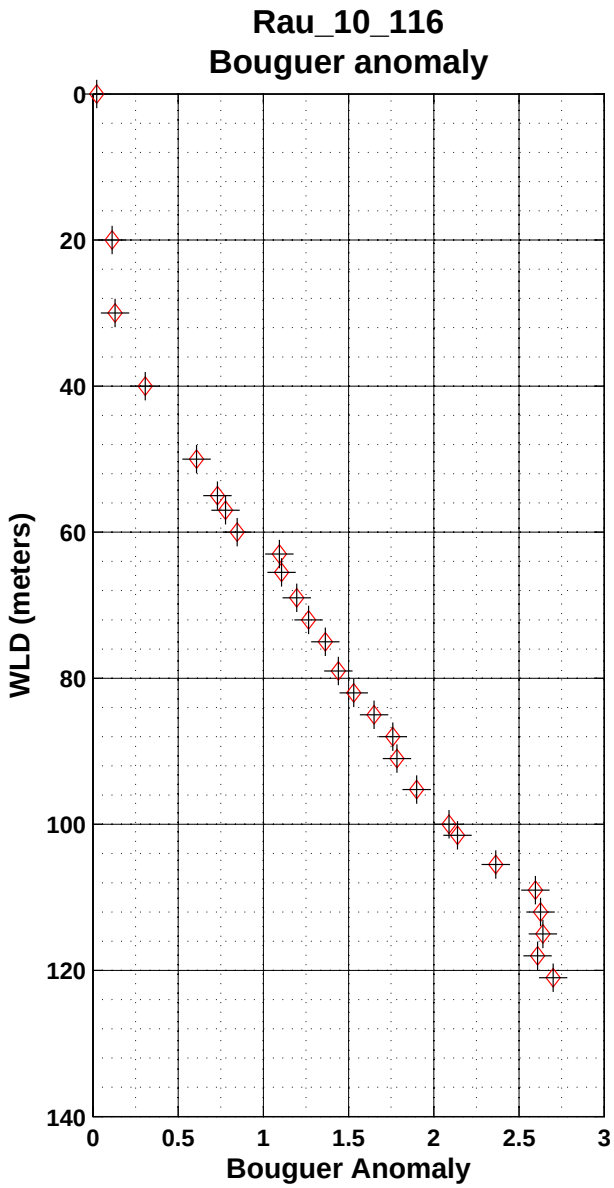

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Figure 27: Conventional BHGM density log, Borehole 10-116

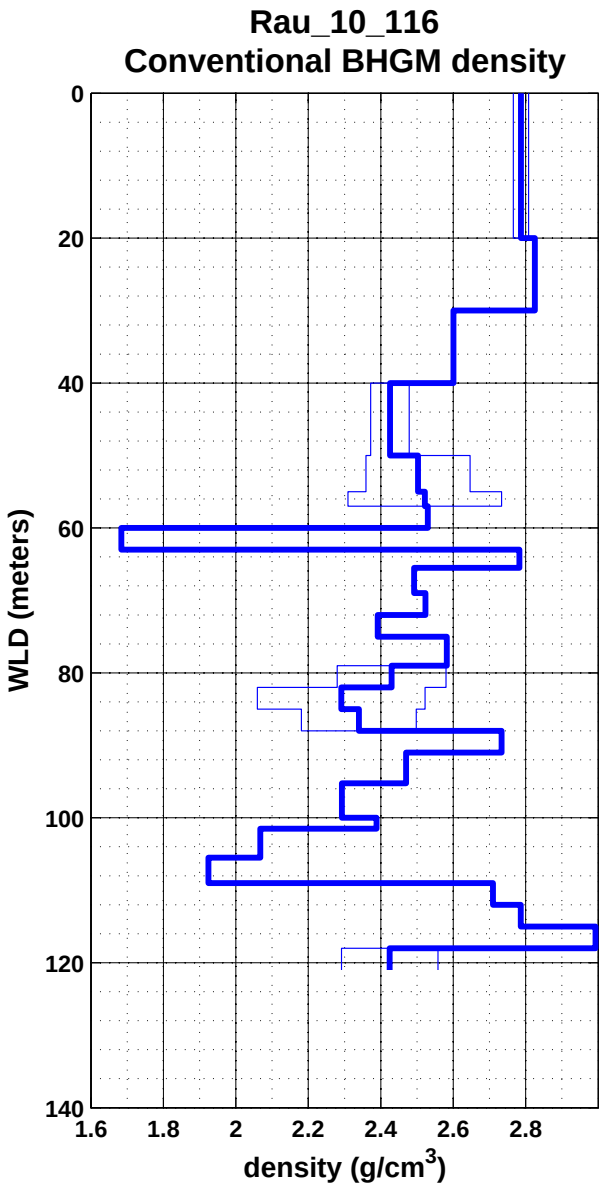

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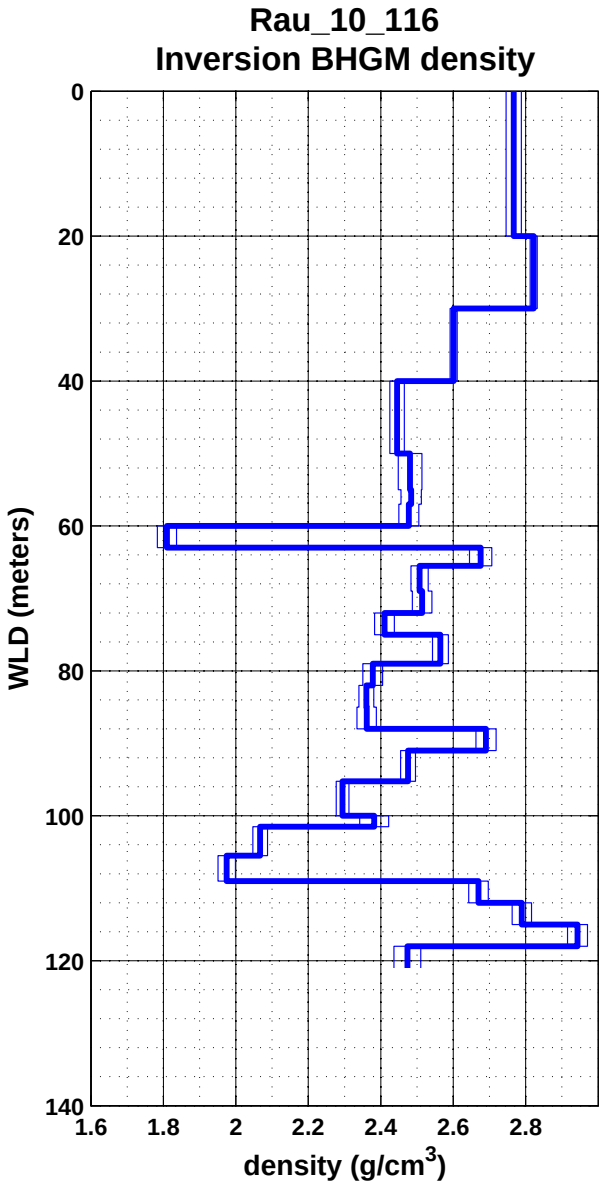
Figure 28: Inversion BHGM density log, Borehole 10-116



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Jeffrey D. MacQueen. High-resolution density from borehole gravity data. In *Expanded Abstracts of the Technical Program*, number 77. Society of Exploration Geophysicists, 2007.

Chris Nind, Harold O. Seigel, Michel Chouteau, and Bernard Giroux. Development of a borehole gravimeter for mining applications. *First Break*, 25:71–77, 2007.

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A Gravity data file format

The processed gravity data is delivered in Microsoft Excel .xls spreadsheet format. The file header fields are:

Well name The well name.

Wellhead elevation The wellhead elevation, in the well file units (see below).

Wellhead latitude The wellhead latitude in decimal degrees.

Wellhead longitude The wellhead longitude in decimal degrees.

Well units The well file units, 'f' for feet, 'm' for meters.

The data channels follow, with one row for each BHGM reading. All gravity values are in milliGals, and all depth values are in the well file units. The data channels are:

SCIN wld The Scintrex wireline depth.

Logged grav The logged gravity value.

Raw grav The logged gravity value with the in-field drift and tide corrections removed.

Field drift The in-field calculated drift correction.

SD The mean standard deviation of the individual 1-minute gravity readings averaged into the reported reading.

Tiltx The sensor x-axis tiltmeter reading, in arcseconds.

Tilty The sensor y-axis tiltmeter reading, in arcseconds.

BHGM temp The Gravilog sensor temperature, in milliKelvin, relative to a reference temperature.

Elec temp The electronics module temperature, in degrees C.

Ambient temp The probe ambient temperature, in degrees C.

Incl The BHGM sonde inclination off vertical, in degrees.

PRB pres The probe pressure, in PSI.

SURF pres The atmospheric pressure at the surface, in PSI.

Tide corr The in-field calculated tidal correction (Longman's algorithm).

Reading timestamp The averaged time of the 1-minute gravity readings, in days relative to midnight, January 1, year 0 (MATLAB time).

Inc x The BHGM sonde inclination off vertical along the x-axis, in degrees.

Inc y The BHGM sonde inclination off vertical along the y-axis, in degrees.

Inner ht volts The Gravilog sensor inner heater voltage, in volts.

Num rpts The number of 1-minute gravity readings averaged into the reported reading.

SCIN incl tvd The Scintrex true vertical depth, calculated from the Scintrex wireline depth and the inclination data.

Station wld The wireline depth assigned to this reading after averaging all readings at that station depth.

Station tvd The true vertical depth corresponding to the station wireline depth.

Station number The serial number of the depth station assigned to each reading, where 1 is the shallowest station in the survey.

Station depth shift The depth shift applied to each reading to bring it to its station depth.

Station depth corr The combined free-air and Bouguer slab correction applied to each station based on the station depth shift.

Drift corr The linear time-based drift correction, based on the least-squares solution (see Section 4.1).

BHGM Temp corr The correction for the BHGM temperature, based on the least-square solution (see Section 4.1).

Total corr The total correction applied to the raw gravity reading.

Corrected grav The final corrected gravity reading. Since the BHGM survey is a relative survey, the corrected gravity values are set relative to the first raw gravity value in the file for convenience.

FA corr The free-air correction for the gravity reading, calculated using Equation (1).

Bouguer Anomaly The constant-density Bouguer anomaly (see Section 6.2).

B Density data file format

The calculated density data is delivered in Microsoft Excel .xls spreadsheet format. The file header fields are:

Well name The well name.

Wellhead elevation The wellhead elevation, in the well file units (see below).

Wellhead latitude The wellhead latitude in decimal degrees.

Wellhead longitude The wellhead longitude in decimal degrees.

Well units The well file units, 'f' for feet, 'm' for meters.

Density type The density calculation method used, conventional (Section 6.3.1) or inversion (Section 6.3.2)

The depth values are in the well file units. The density and uncertainty values are g/cm^3. The density and uncertainty values for row 'n' apply to the interval spanning the depths in row 'n' to row 'n+1'. The density model fields are:

Depth The start(shallow) of the true vertical depth interval used for the density calculations.

Wireline The wireline depth corresponding to the true vertical depth.

Density The interval density.

Sigma density The formal $1-\sigma$ uncertainty of the interval density.

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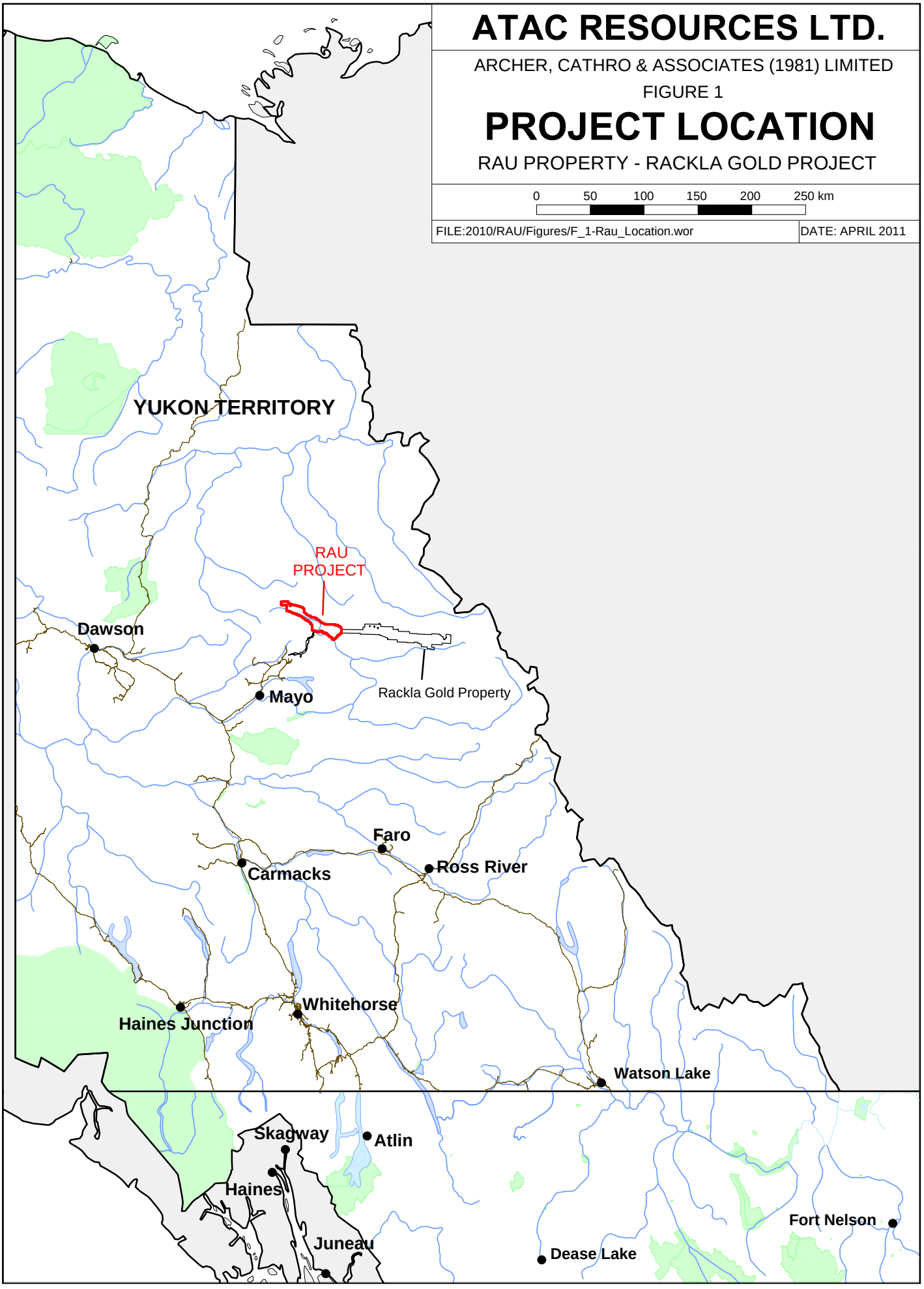
FIGURE 1

PROJECT LOCATION

RAU PROPERTY - RACKLA GOLD PROJECT

0 50 100 150 200 250 km

FILE:2010/RAU/Figures/F_1-Rau_Location.wor | DATE: APRIL 2011



Connaught Ridge
Alpine Summit Lease
RAU PROJECT BOUNDARY
RACKLA GOLD PROPERTY BOUNDARY
White River Winter Trail
Lion
Lion Zone
Lion Ext
Lion Ext Zone
Lion Ext Zone 2
Lion Ext Zone 3
Lion Ext Zone 4
Lion Ext Zone 5
Lion Ext Zone 6
Lion Ext Zone 7
Lion Ext Zone 8
Lion Ext Zone 9
Lion Ext Zone 10
Lion Ext Zone 11
Lion Ext Zone

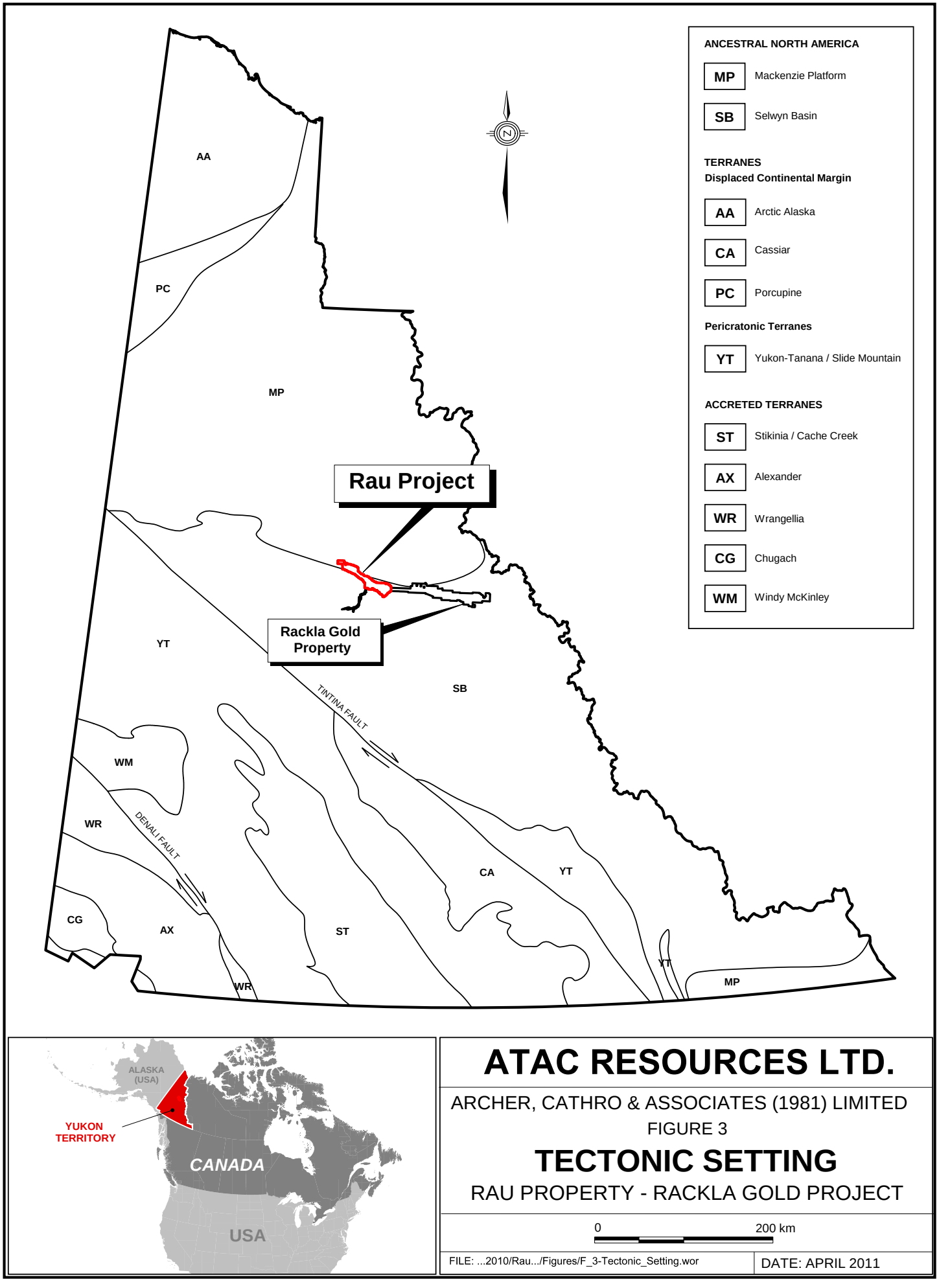


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FIGURE 3

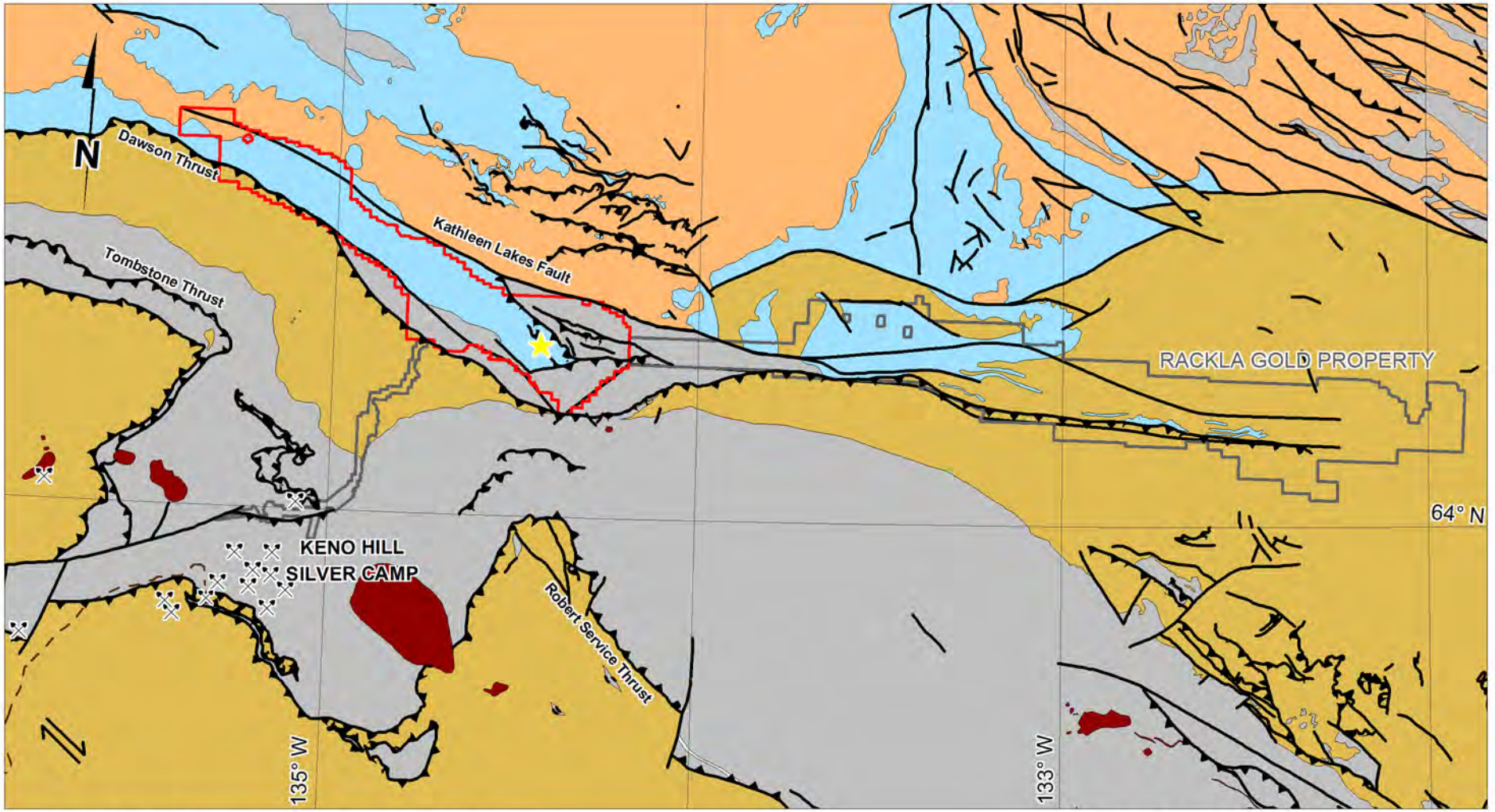
TECTONIC SETTING

RAU PROPERTY - RACKLA GOLD PROJECT

0 200 km

FILE: ...2010/Rau.../Figures/F_3-Tectonic_Setting.wor

DATE: APRIL 2011



Tombstone Suite Intrusions
Earn Group
Bouvette Formation
Hyland Group
Proterozoic Sediments

Former mine
High angle fault
Thrust fault
Major transcurrent fault
Road
Tiger Zone

Modified from: Gordey and Makepeace (2001)

ATAC RESOURCES LTD.

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
FIGURE 4

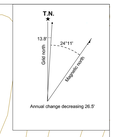
REGIONAL GEOLOGY

RAU PROPERTY - RACKLA GOLD PROJECT

0 50 km

FILE:2010/RAU/Figures/F_1-Rau_Location.wor | DATE: APRIL 2011

INDEX



7,146,000 mN

7,145,000 mN

7,144,000 mN

7,143,000 mN

467,000 mE

468,000 mE

469,000 mE

490,000 mE

491,000 mE

492,000 mE

493,000 mE

ATAC RESOURCES LTD.

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

FIGURE 5

SOIL SAMPLE LOCATIONS

- MAP 1 -

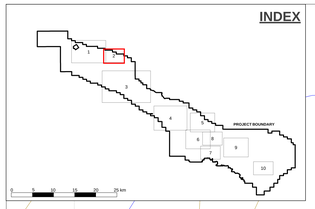
RAU PROPERTY - RACKLA GOLD PROJECT

0 50 100 200 400 m

CONTOUR INTERVAL: 100 ft. UTM ZONE 8, NAD 83, 1992/06

FILE: ...2010\RAU\FIGURES\F_5-SOIL_LOC_MAP_1.WOR | DATE: APRIL 2011

INDEX



T.N.

13.8°

24°47'

Grid north

Magnetic north

Annual change decreasing 26.5'

7,145,000 mN

7,144,000 mN

7,143,000 mN

494,000 mE

495,000 mE

496,000 mE

497,000 mE

498,000 mE

5000

4500

4000

3500

CCB7668+ CCB7669 CCB7670 CCB7671 CCB7672 CCB7673 CCB7674 CCB7675 CCB7676 CCB7677 CCB7678 CCB7679 CCB7680 CCB7681 CCB7682 CCB7683 CCB7684 CCB7685 CCB7686 CCB7687 CCB7688 CCB7689 CCB7690 CCB7691 CCB7692 CCB7693 CCB7694 CCB7695 CCB7696 CCB7697 CCB7698 CCB7699 CCB7700 CCB7701 CCB7702 CCB7703 CCB7704 CCB7705 CCB7706 CCB7707 CCB7708 CCB7709 CCB7710 CCB7711 CCB7712 CCB7713 CCB7714 CCB7715 CCB7716 CCB7717 CCB7718 CCB7719 CCB7720 CCB7721 CCB7722 CCB7723 CCB7724 CCB7725 CCB7726 CCB7727 CCB7728 CCB7729 CCB7730 CCB7731 CCB7732 CCB7733 CCB7734 CCB7735 CCB7736 CCB7737 CCB7738 CCB7739 CCB7740 CCB7741 CCB7742 CCB7743 CCB7744 CCB7745 CCB7746 CCB7747 CCB7748 CCB7749 CCB7750 CCB7751 CCB7752 CCB7753 CCB7754 CCB7755 CCB7756 CCB7757 CCB7758 CCB7759 CCB7760 CCB7761 CCB7762 CCB7763 CCB7764 CCB7765 CCB7766 CCB7767 CCB7768 CCB7769 CCB7770 CCB7771 CCB7772 CCB7773 CCB7774 CCB7775 CCB7776 CCB7777 CCB7778 CCB7779 CCB7780 CCB7781 CCB7782 CCB7783 CCB7784 CCB7785 CCB7786 CCB7787 CCB7788 CCB7789 CCB7790 CCB7791 CCB7792 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CCB8168 CCB8169 CCB8170 CCB8171 CCB8172 CCB8173 CCB8174 CCB8175 CCB8176 CCB8177 CCB8178 CCB8179 CCB8180 CCB8181 CCB8182 CCB8183 CCB8184 CCB8185 CCB8186 CCB8187 CCB8188 CCB8189 CCB8190 CCB8191 CCB8192 CCB8193 CCB8194 CCB8195 CCB8196 CCB8197 CCB8198 CCB8199 CCB8200 CCB8201 CCB8202 CCB8203 CCB8204 CCB8205 CCB8206 CCB8207 CCB8208 CCB8209 CCB8210 CCB8211 CCB8212 CCB8213 CCB8214 CCB8215 CCB8216 CCB8217 CCB8218 CCB8219 CCB8220 CCB8221 CCB8222 CCB8223 CCB8224 CCB8225 CCB8226 CCB8227 CCB8228 CCB8229 CCB8230 CCB8231 CCB8232 CCB8233 CCB8234 CCB8235 CCB8236 CCB8237 CCB8238 CCB8239 CCB8240 CCB8241 CCB8242 CCB8243 CCB8244 CCB8245 CCB8246 CCB8247 CCB8248 CCB8249 CCB8250 CCB8251 CCB8252 CCB8253 CCB8254 CCB8255 CCB8256 CCB8257 CCB8258 CCB8259 CCB8260 CCB8261 CCB8262 CCB8263 CCB8264 CCB8265 CCB8266 CCB8267 CCB8268 CCB8269 CCB8270 CCB8271 CCB8272 CCB8273 CCB8274 CCB8275 CCB8276 CCB8277 CCB8278 CCB8279 CCB8280 CCB8281 CCB8282 CCB8283 CCB8284 CCB8285 CCB8286 CCB8287 CCB8288 CCB8289 CCB8290 CCB8291 CCB8292 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CCB9293 CCB9294 CCB9295 CCB9296 CCB9297 CCB9298 CCB9299 CCB9300 CCB9301 CCB9302 CCB9303 CCB9304 CCB9305 CCB9306 CCB9307 CCB9308 CCB9309 CCB9310 CCB9311 CCB9312 CCB9313 CCB9314 CCB9315 CCB9316 CCB9317 CCB9318 CCB9319 CCB9320 CCB9321 CCB9322 CCB9323 CCB9324 CCB9325 CCB9326 CCB9327 CCB9328 CCB9329 CCB9330 CCB9331 CCB9332 CCB9333 CCB9334 CCB9335 CCB9336 CCB9337 CCB9338 CCB9339 CCB9340 CCB9341 CCB9342 CCB9343 CCB9344 CCB9345 CCB9346 CCB9347 CCB9348 CCB9349 CCB9350 CCB9351 CCB9352 CCB9353 CCB9354 CCB9355 CCB9356 CCB9357 CCB9358 CCB9359 CCB9360 CCB9361 CCB9362 CCB9363 CCB9364 CCB9365 CCB9366 CCB9367 CCB9368 CCB9369 CCB9370 CCB9371 CCB9372 CCB9373 CCB9374 CCB9375 CCB9376 CCB9377 CCB9378 CCB9379 CCB9380 CCB9381 CCB9382 CCB9383 CCB9384 CCB9385 CCB9386 CCB9387 CCB9388 CCB9389 CCB9390 CCB9391 CCB9392 CCB9393 CCB9394 CCB9395 CCB9396 CCB9397 CCB9398 CCB9399 CCB9400 CCB9401 CCB9402 CCB9403 CCB9404 CCB9405 CCB9406 CCB9407 CCB9408 CCB9409 CCB9410 CCB9411 CCB9412 CCB9413 CCB9414 CCB9415 CCB9416 CCB9417 CCB9418 CCB9419 CCB9420 CCB9421 CCB9422 CCB9423 CCB9424 CCB9425 CCB9426 CCB9427 CCB9428 CCB9429 CCB9430 CCB9431 CCB9432 CCB9433 CCB9434 CCB9435 CCB9436 CCB9437 CCB9438 CCB9439 CCB9440 CCB9441 CCB9442 CCB9443 CCB9444 CCB9445 CCB9446 CCB9447 CCB9448 CCB9449 CCB9450 CCB9451 CCB9452 CCB9453 CCB9454 CCB9455 CCB9456 CCB9457 CCB9458 CCB9459 CCB9460 CCB9461 CCB9462 CCB9463 CCB9464 CCB9465 CCB9466 CCB9467 CCB9468 CCB9469 CCB9470 CCB9471 CCB9472 CCB9473 CCB9474 CCB9475 CCB9476 CCB9477 CCB9478 CCB9479 CCB9480 CCB9481 CCB9482 CCB9483 CCB9484 CCB9485 CCB9486 CCB9487 CCB9488 CCB9489 CCB9490 CCB9491 CCB9492 CCB9493 CCB9494 CCB9495 CCB9496 CCB9497 CCB9498 CCB9499 CCB9500 CCB9501 CCB9502 CCB9503 CCB9504 CCB9505 CCB9506 CCB9507 CCB9508 CCB9509 CCB9510 CCB9511 CCB9512 CCB9513 CCB9514 CCB9515 CCB9516 CCB9517 CCB9518 CCB9519 CCB9520 CCB9521 CCB9522 CCB9523 CCB9524 CCB9525 CCB9526 CCB9527 CCB9528 CCB9529 CCB9530 CCB9531 CCB9532 CCB9533 CCB9534 CCB9535 CCB9536 CCB9537 CCB9538 CCB9539 CCB9540 CCB9541 CCB9542 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CCB9668 CCB9669 CCB9670 CCB9671 CCB9672 CCB9673 CCB9674 CCB9675 CCB9676 CCB9677 CCB9678 CCB9679 CCB9680 CCB9681 CCB9682 CCB9683 CCB9684 CCB9685 CCB9686 CCB9687 CCB9688 CCB9689 CCB9690 CCB9691 CCB9692 CCB9693 CCB9694 CCB9695 CCB9696 CCB9697 CCB9698 CCB9699 CCB9700 CCB9701 CCB9702 CCB9703 CCB9704 CCB9705 CCB9706 CCB9707 CCB9708 CCB9709 CCB9710 CCB9711 CCB9712 CCB9713 CCB9714 CCB9715 CCB9716 CCB9717 CCB9718 CCB9719 CCB9720 CCB9721 CCB9722 CCB9723 CCB9724 CCB9725 CCB9726 CCB9727 CCB9728 CCB9729 CCB9730 CCB9731 CCB9732 CCB9733 CCB9734 CCB9735 CCB9736 CCB9737 CCB9738 CCB9739 CCB9740 CCB9741 CCB9742 CCB9743 CCB9744 CCB9745 CCB9746 CCB9747 CCB9748 CCB9749 CCB9750 CCB9751 CCB9752 CCB9753 CCB9754 CCB9755 CCB9756 CCB9757 CCB9758 CCB9759 CCB9760 CCB9761 CCB9762 CCB9763 CCB9764 CCB9765 CCB9766 CCB9767 CCB9768 CCB9769 CCB9770 CCB9771 CCB9772 CCB9773 CCB9774 CCB9775 CCB9776 CCB9777 CCB9778 CCB9779 CCB9780 CCB9781 CCB9782 CCB9783 CCB9784 CCB9785 CCB9786 CCB9787 CCB9788 CCB9789 CCB9790 CCB9791 CCB9792 CCB9793 CCB9794 CCB9795 CCB9796 CCB9797 CCB9798 CCB9799 CCB9800 CCB9801 CCB9802 CCB9803 CCB9804 CCB9805 CCB9806 CCB9807 CCB9808 CCB9809 CCB9810 CCB9811 CCB9812 CCB9813 CCB9814 CCB9815 CCB9816 CCB9817 CCB9818 CCB9819 CCB9820 CCB9821 CCB9822 CCB9823 CCB9824 CCB9825 CCB9826 CCB9827 CCB9828 CCB9829 CCB9830 CCB9831 CCB9832 CCB9833 CCB9834 CCB9835 CCB9836 CCB9837 CCB9838 CCB9839 CCB9840 CCB9841 CCB9842 CCB9843 CCB9844 CCB9845 CCB9846 CCB9847 CCB9848 CCB9849 CCB9850 CCB9851 CCB9852 CCB9853 CCB9854 CCB9855 CCB9856 CCB9857 CCB9858 CCB9859 CCB9860 CCB9861 CCB9862 CCB9863 CCB9864 CCB9865 CCB9866 CCB9867 CCB9868 CCB9869 CCB9870 CCB9871 CCB9872 CCB9873 CCB9874 CCB9875 CCB9876 CCB9877 CCB9878 CCB9879 CCB9880 CCB9881 CCB9882 CCB9883 CCB9884 CCB9885 CCB9886 CCB9887 CCB9888 CCB9889 CCB9890 CCB9891 CCB9892 CCB9893 CCB9894 CCB9895 CCB9896 CCB9897 CCB9898 CCB9899 CCB9900 CCB9901 CCB9902 CCB9903 CCB9904 CCB9905 CCB9906 CCB9907 CCB9908 CCB9909 CCB9910 CCB9911 CCB9912 CCB9913 CCB9914 CCB9915 CCB9916 CCB9917 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CCC0043 CCC0044 CCC0045 CCC0046 CCC0047 CCC0048 CCC0049 CCC0050 CCC0051 CCC0052 CCC0053 CCC0054 CCC0055 CCC0056 CCC0057 CCC0058 CCC0059 CCC0060 CCC0061 CCC0062 CCC0063 CCC0064 CCC0065 CCC0066 CCC0067 CCC0068 CCC0069 CCC0070 CCC0071 CCC0072 CCC0073 CCC0074 CCC0075 CCC0076 CCC0077 CCC0078 CCC0079 CCC0080 CCC0081 CCC0082 CCC0083 CCC0084 CCC0085 CCC0086 CCC0087 CCC0088 CCC0089 CCC0090 CCC0091 CCC0092 CCC0093 CCC0094 CCC0095 CCC0096 CCC0097 CCC0098 CCC0099 CCC0100 CCC0101 CCC0102 CCC0103 CCC0104 CCC0105 CCC0106 CCC0107 CCC0108 CCC0109 CCC0110 CCC0111 CCC0112 CCC0113 CCC0114 CCC0115 CCC0116 CCC0117 CCC0118 CCC0119 CCC0120 CCC0121 CCC0122 CCC0123 CCC0124 CCC0125 CCC0126 CCC0127 CCC0128 CCC0129 CCC0130 CCC0131 CCC0132 CCC0133 CCC0134 CCC0135 CCC0136 CCC0137 CCC0138 CCC0139 CCC0140 CCC0141 CCC0142 CCC0143 CCC0144 CCC0145 CCC0146 CCC0147 CCC0148 CCC0149 CCC0150 CCC0151 CCC0152 CCC0153 CCC0154 CCC0155 CCC0156 CCC0157 CCC0158 CCC0159 CCC0160 CCC0161 CCC0162 CCC0163 CCC0164 CCC0165 CCC0166 CCC0167 CCC0168 CCC0169 CCC0170 CCC0171 CCC0172 CCC0173 CCC0174 CCC0175 CCC0176 CCC0177 CCC0178 CCC0179 CCC0180 CCC0181 CCC0182 CCC0183 CCC0184 CCC0185 CCC0186 CCC0187 CCC0188 CCC0189 CCC0190 CCC0191 CCC0192 CCC0193 CCC0194 CCC0195 CCC0196 CCC0197 CCC0198 CCC0199 CCC0200 CCC0201 CCC0202 CCC0203 CCC0204 CCC0205 CCC0206 CCC0207 CCC0208 CCC0209 CCC0210 CCC0211 CCC0212 CCC0213 CCC0214 CCC0215 CCC0216 CCC0217 CCC0218 CCC0219 CCC0220 CCC0221 CCC0222 CCC0223 CCC0224 CCC0225 CCC0226 CCC0227 CCC0228 CCC0229 CCC0230 CCC0231 CCC0232 CCC0233 CCC0234 CCC0235 CCC0236 CCC0237 CCC0238 CCC0239 CCC0240 CCC0241 CCC0242 CCC0243 CCC0244 CCC0245 CCC0246 CCC0247 CCC0248 CCC0249 CCC0250 CCC0251 CCC0252 CCC0253 CCC0254 CCC0255 CCC0256 CCC0257 CCC0258 CCC0259 CCC0260 CCC0261 CCC0262 CCC0263 CCC0264 CCC0265 CCC0266 CCC0267 CCC0268 CCC0269 CCC0270 CCC0271 CCC0272 CCC0273 CCC0274 CCC0275 CCC0276 CCC0277 CCC0278 CCC0279 CCC0280 CCC0281 CCC0282 CCC0283 CCC0284 CCC0285 CCC0286 CCC0287 CCC0288 CCC0289 CCC0290 CCC0291 CCC0292 CCC0293 CCC0294 CCC0295 CCC0296 CCC0

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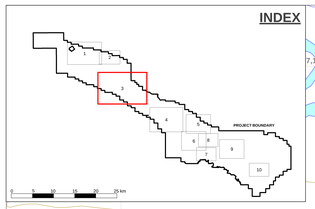
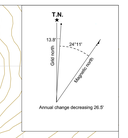




7,140,000 mN

7,138,000 mN

7,136,000 mN

7,134,000 mN

7,132,000 mN

Wind River Trail

3500

3000

3000

3500

3000

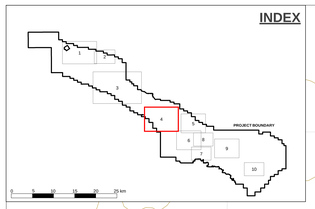
3000

3500

3000

3000

INDEX



T.N.
13.8°
24°16'
GRID NORTH
MAGNETIC NORTH
Annual change decreasing 26.7'

Wind River Trail

7,131,000 mN
7,130,000 mN
7,129,000 mN
7,128,000 mN
7,127,000 mN

356,000 mE
507,000 mE
508,000 mE
509,000 mE
510,000 mE
511,000 mE
512,000 mE
513,000 mE

3000
3500
4000

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FIGURE 8

SOIL SAMPLE LOCATIONS

- MAP 4 -

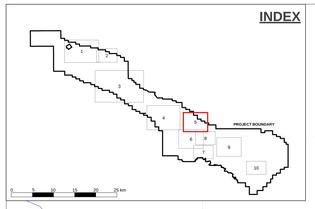
RAU PROPERTY - RACKLA GOLD PROJECT

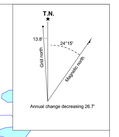
0 100 200 300 400 500 m

CONTOUR INTERVAL 100 ft UTM ZONE 8, NAD 83, 1982d57

FILE: 2010RAUXFIGURE8\F_8-SOIL_LOC_MAP_4.WOR DATE: APRIL 2011

INDEX





7,129,000 mN

7,128,000 mN

7,127,000 mN

7,126,000 mE

515,000 mE

516,000 mE

517,000 mE

518,000 mE

519,000 mE

520,000 mE

Wind River Trail

2500

3000

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FIGURE 9

SOIL SAMPLE LOCATIONS

- MAP 5 -

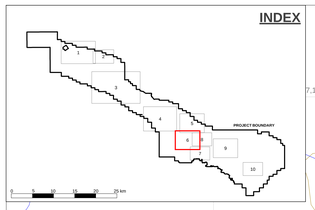
RAU PROPERTY - RACKLA GOLD PROJECT

ft 0 500 1000 4000 m

CONTOUR INTERVAL 100 ft, UTM ZONE 8, NAD 83, 1:50000

FILE: ...2010\RAU\FIGURES\F_9-SOIL_LOC_MAP_5.WOR | DATE: APRIL 2011

INDEX



7,126,000 mN

7,125,000 mN

7,124,000 mN

7,123,000 mN

7,122,000 mN

513,000 mE

514,000 mE

515,000 mE

516,000 mE

Wind River Trail

2500

2500

2500

2500

T.N.
13.2°
24°9'
GRID NORTH
MAGNETIC NORTH
Annual change decreasing 26.3'

ATAC RESOURCES LTD.

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

FIGURE 10

SOIL SAMPLE LOCATIONS

- MAP 6 -

RAU PROPERTY - RACKLA GOLD PROJECT

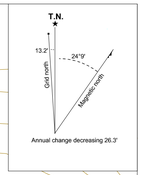
0 100 200 400 m

CONTOUR INTERVAL 100 ft. UTM ZONE 8, NAD 83, 1000X02

FILE: ...2010\RAU\FIGURES\F_10-SOIL_LOC_MAP_6.WOR

DATE: APRIL 2011

INDEX



7,121,000 mN

7,120,000 mN

518,000 mE

519,000 mE

520,000 mE

521,000 mE

4000

3500

3000

2500

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FIGURE 11

SOIL SAMPLE LOCATIONS

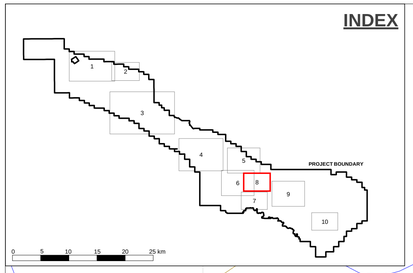
- MAP 7 -

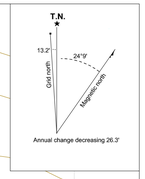
RAU PROPERTY - RACKLA GOLD PROJECT

0 50 100 200 400 m

CONTOUR INTERVAL: 100 ft. UTM ZONE 8, NAD 83, 10ED/02

FILE: ...2010\RAU\FIGURES\F_11-SOIL_LOC_MAP_7.WOR | DATE: APRIL 2011





7,125,000 mN

7,124,000 mN

7,123,000 mN

516,000 mE

519,000 mE

520,000 mE

521,000 mE

522,000 mE

3000

3500

4000

4000

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ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

FIGURE 12

SOIL SAMPLE LOCATIONS

- MAP 8 -

RAU PROPERTY - RACKLA GOLD PROJECT

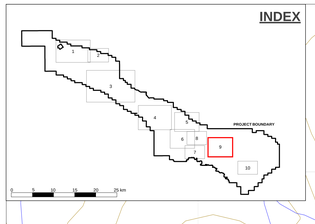
0 50 100 200 400 m

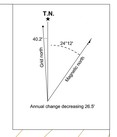
CONTOUR INTERVAL: 100 ft. UTM ZONE 8, NAD 83, 1060/02

FILE: ...2010\RAU\FIGURES\F_12-SOIL_LOC_MAP_8.WOR

DATE: APRIL 2011

INDEX





7,123,000 mN

7,122,000 mN

7,121,000 mN

523000 mE

524,000 mE

525,000 mE

526,000 mE

528,000 mE

4500

5000

5000

4000

5000

4000

4000

ATAC RESOURCES LTD.

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

FIGURE 13

SOIL SAMPLE LOCATIONS

- MAP 10 -

RAU PROPERTY - RACKLA GOLD PROJECT

0 50 100 200 400 m

CONTOUR INTERVAL: 100 ft. UTM ZONE 8, NAD 83, 1992(D3)

FILE: _2020RAUPROJREP_13-SOIL_LOC_MAP_9.WOR DATE: APRIL 2021

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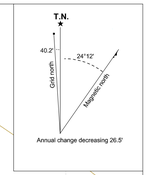

7,118,000 mN

7,117,000 mN

7,116,000 mN

530,000 mE

531,000 mE

532,000 mE

533,000 mE

534,000 mE

4000

3500

3000

CC108052 CC72867 CC108012 CC108013 CC107317 CC107181 CC107169 CC107170 CC107773
CC108053 CC72868 CC108011 CC108014 CC107318 CC107182 CC107168 CC107171 CC107774
CC108054 CC72869 CC108010 CC108015 CC107319 CC107183 CC107167 CC107172 CC107775
CC108055 CC72870 CC108009 CC108016 CC107320 CC107184 CC107166 CC107173 CC107776
CC108056 CC72871 CC108008 CC108017 CC107321 CC107185 CC107165 CC107174 CC107777
CC108057 CC72872 CC108007 CC108018 CC107322 CC107186 CC107164 CC107175 CC107778
CC108058 CC72873 CC108006 CC108019 CC107323 CC107187 CC107163 CC107176 CC107779
CC108059 CC72874 CC108005 CC108020 CC107324 CC107188 CC107162 CC107177 CC107780
CC108060 CC72875 CC108004 CC108021 CC107325 CC107189 CC107161 CC107178 CC107781
CC108061 CC72876 CC108003 CC108022 CC107326 CC107190 CC107160 CC107179 CC107782
CC108062 CC72877 CC108002 CC108023 CC107327 CC107191 CC107159 CC107180 CC107783
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CC108064 CC72879 CC107400 CC107376 CC107329 CC107193 CC107157 CC107132 CC107785
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CC108078 CC72905 CC107386 CC107362 CC107343 CC107307 CC107143 CC107118 CC107799
CC108079 CC72906 CC107385 CC107361 CC107344 CC107308 CC107142 CC107117 CC107800
CC108080 CC72907 CC107384 CC107360 CC107345 CC107309 CC107141 CC107116 CC107101
CC108081 CC72908 CC107383 CC107359 CC107346 CC107310 CC107140 CC107115 CC107102
CC108082 CC72909 CC107382 CC107358 CC107347 CC107311 CC107139 CC107114 CC107103
CC108083 CC72910 CC107381 CC107357 CC107348 CC107312 CC107138 CC107113 CC107104
CC108084 CC72911 CC107380 CC107356 CC107349 CC107313 CC107137 CC107112 CC107105
CC108085 CC72912 CC107379 CC107355 CC107350 CC107314 CC107136 CC107111 CC107106
CC108086 CC72913 CC107378 CC107354 CC107351 CC107315 CC107135 CC107110 CC107107
CC108087 CC72914 CC107377 CC107353 CC107352 CC107316 CC107134 CC107109 CC107108

CC44445 CC44444 CC72944 CC72943 CC108098 CC72951 CC72970 CC72971 CC72990 CC72991 CC44167 CC108151 CC108170 CC108171 CC44177 CC44178 CC108101 CC108120 CC108121 CC108140 CC108097 CC72924
CC44446 CC44443 CC72945 CC72942 CC108099 CC72952 CC72969 CC72972 CC72989 CC72992 CC44166 CC108152 CC108169 CC108172 CC44176 CC44179 CC108102 CC108119 CC108122 CC108139 CC108096 CC72923
CC44447 CC44442 CC72946 CC72941 CC108100 CC72953 CC72968 CC72973 CC72988 CC72993 CC44165 CC108153 CC108168 CC108173 CC44175 CC44180 CC108103 CC108118 CC108123 CC108138 CC108095 CC72922
CC44448 CC44441 CC72947 CC72940 CC72927 CC72954 CC72967 CC72974 CC72987 CC44151 CC44164 CC108154 CC108167 CC108174 CC44174 CC44181 CC108104 CC108117 CC108124 CC108137 CC108094 CC72921
CC44449 CC44469 CC72948 CC72939 CC72928 CC72955 CC72966 CC72975 CC72986 CC44152 CC44163 CC108155 CC108166 CC108175 CC44173 CC44182 CC108105 CC108116 CC108125 CC108136 CC108093 CC72920
CC44450 CC44468 CC72949 CC72938 CC72929 CC72956 CC72965 CC72976 CC72985 CC44153 CC44162 CC108156 CC108165 CC108146 CC44172 CC44183 CC108106 CC108115 CC108126 CC108135 CC108092 CC72919
CC44451 CC44467 CC72950 CC72937 CC72930 CC72957 CC72964 CC72977 CC72984 CC44154 CC44161 CC108157 CC108164 CC108147 CC44171 CC44184 CC108107 CC108114 CC108127 CC108134 CC108091 CC72918
CC44452 CC44466 CC44461 CC72936 CC72931 CC72958 CC72963 CC72978 CC72983 CC44155 CC44160 CC108158 CC108163 CC108148 CC44170 CC44185 CC108108 CC108113 CC108128 CC108133 CC108090 CC72917
CC44453 CC44465 CC44462 CC72935 CC72932 CC72959 CC72962 CC72979 CC72982 CC44156 CC44159 CC108159 CC108162 CC108149 CC44169 CC44186 CC108109 CC108112 CC108129 CC108132 CC108089 CC72916
CC44454 CC44464 CC44463 CC72934 CC72933 CC72960 CC72961 CC72980 CC72981 CC44157 CC44158 CC108160 CC108161 CC108150 CC44168 CC44187 CC108110 CC108111 CC108130 CC108131 CC108088 CC72915

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FIGURE 14

SOIL SAMPLE LOCATIONS

- MAP 10 -

RAU PROPERTY - RACKLA GOLD PROJECT

0 50 100 200 400 m

CONTOUR INTERVAL: 100 ft. UTM ZONE 8, NAD 83, 1060/01

FILE:...2010\RAU\FIGURES\F_14-SOIL_LOC_MAP_10.WOR | DATE: APRIL 2011

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FIGURE 15

DRILL HOLE LOCATIONS

TIGER ZONE

RAU PROPERTY - RACKLA GOLD PROJECT

0 50 100 m

NAD83, UTM ZONE 8

FILE: ...2010\RAU\FIGURES\F_15-TIGER_DRILL_PLAN.DWG | DATE: APRIL 2011

N

10-107
10-110
09-49
10-78
10-84
10-92
10-97
10-101
10-105
09-52
10-114
10-72
10-74
10-111
10-112
09-20
09-22
09-39
10-79
10-109
10-113
09-41
10-122
09-38
09-57
09-32
09-28
10-108
10-118
10-128
09-56
10-130
09-23
09-19
09-48
10-116
10-102
10-96
09-53
10-120
09-27
10-125
10-88
09-33
09-35
09-50
10-131
09-34
10-121
10-132
10-129
09-36
10-94
09-25
09-51
08-16
10-104
09-31
10-127
09-55
09-37
09-46
09-29
09-30
09-40
09-26
09-71
08-18
10-115
09-64
09-58
10-82
08-06
10-100
10-103
10-86
10-123
09-42
08-07
08-08
08-12
09-70
09-43
08-04
10-85
09-69
08-02
10-117
10-119
08-11
09-66
09-67
09-68
09-60
08-05
10-76
10-77
10-80
08-03
09-21
10-96
10-124
09-59
09-62
09-45
09-65
09-63
09-44
10-73
10-75
08-09
10-81
10-83
10-87
10-89
10-91
09-61
10-93
10-95
10-98
09-47
10-126
08-14
10-106
09-24
08-10
SC09-01
08-13
09-54
08-15
08-15b
08-01
10-99
08-17
SC09-04
SC10-06
SC10-07

10+500NW
10+450NW
10+400NW
10+375NW
10+350NW
10+325NW
10+300NW
10+275NW
10+250NW
10+225NW
10+200NW
10+160NW
10+120NW
10+080NW
10+060NW
10+040NW
10+000NW
09+970NW
09+950NW
09+930NW
09+912NW
09+880NW
09+858NW
09+808NW
09+782NW
09+752NW
09+700NW
09+650NW
09+315NW

7 119 500 mN
7 119 000 mN
7 118 500 mN

528 000 mE
528 500 mE
529 000 mE

SC10-06

SC09-04

10+000 NE
Baseline

1300 m

1200 m

1100 m

1000 m

SC09-04

SC10-06

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FIGURE 17

SECTION 09+450NW

TIGER ZONE

RAU PROPERTY - RACKLA GOLD PROJECT

0 25 50 m

FILE: ...2010\RAU\FIGURES\RAU-F_17-09450NW.DWG DATE: APRIL 2011

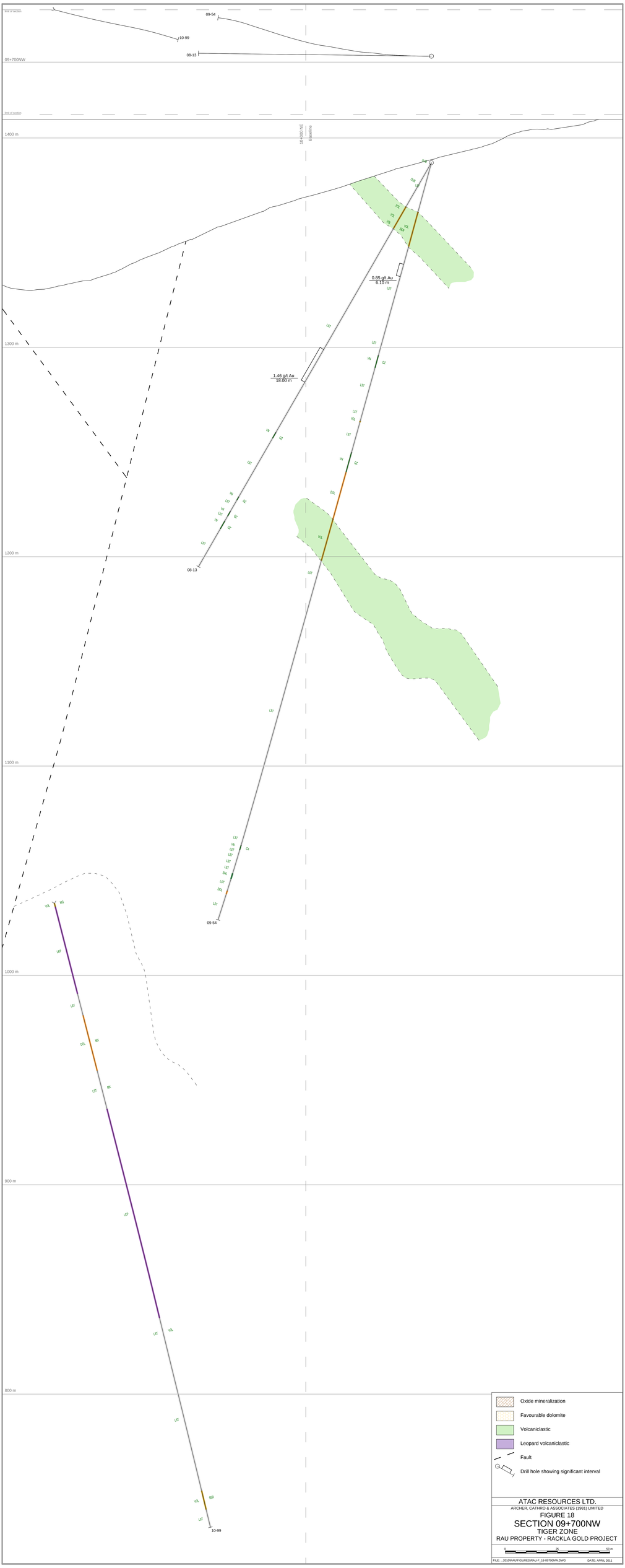
09-54
10-99
08-13
09+700NW
1400 m
1300 m
1200 m
1100 m
1000 m
900 m
800 m
10+00N NE
Baseline
0.85 g/t Au
6.10 m
1.46 g/t Au
18.00 m
08-13
09-54
10-99
Oxide mineralization
Favourable dolomite
Volcaniclastic
Leopard volcaniclastic
Fault
Drill hole showing significant interval
ATAC RESOURCES LTD.
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FIGURE 18
SECTION 09+700NW
TIGER ZONE
RAU PROPERTY - RACKLA GOLD PROJECT
0
50
50 m
FILE: ...2010\RAU\FIGURES\RAU-F_18-0970NW.DWG
DATE: APRIL 2011

limit of section

09+750NW

limit of section

10-98

10-93

10-95

10-99

10+000 NE

Baseline

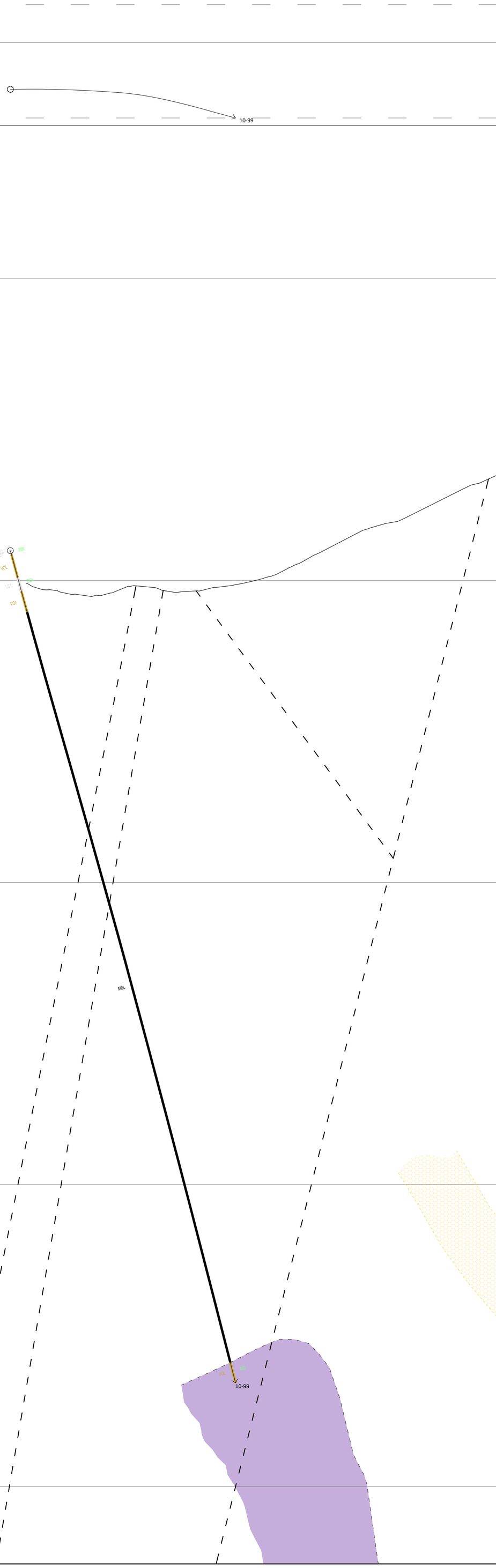
1400 m

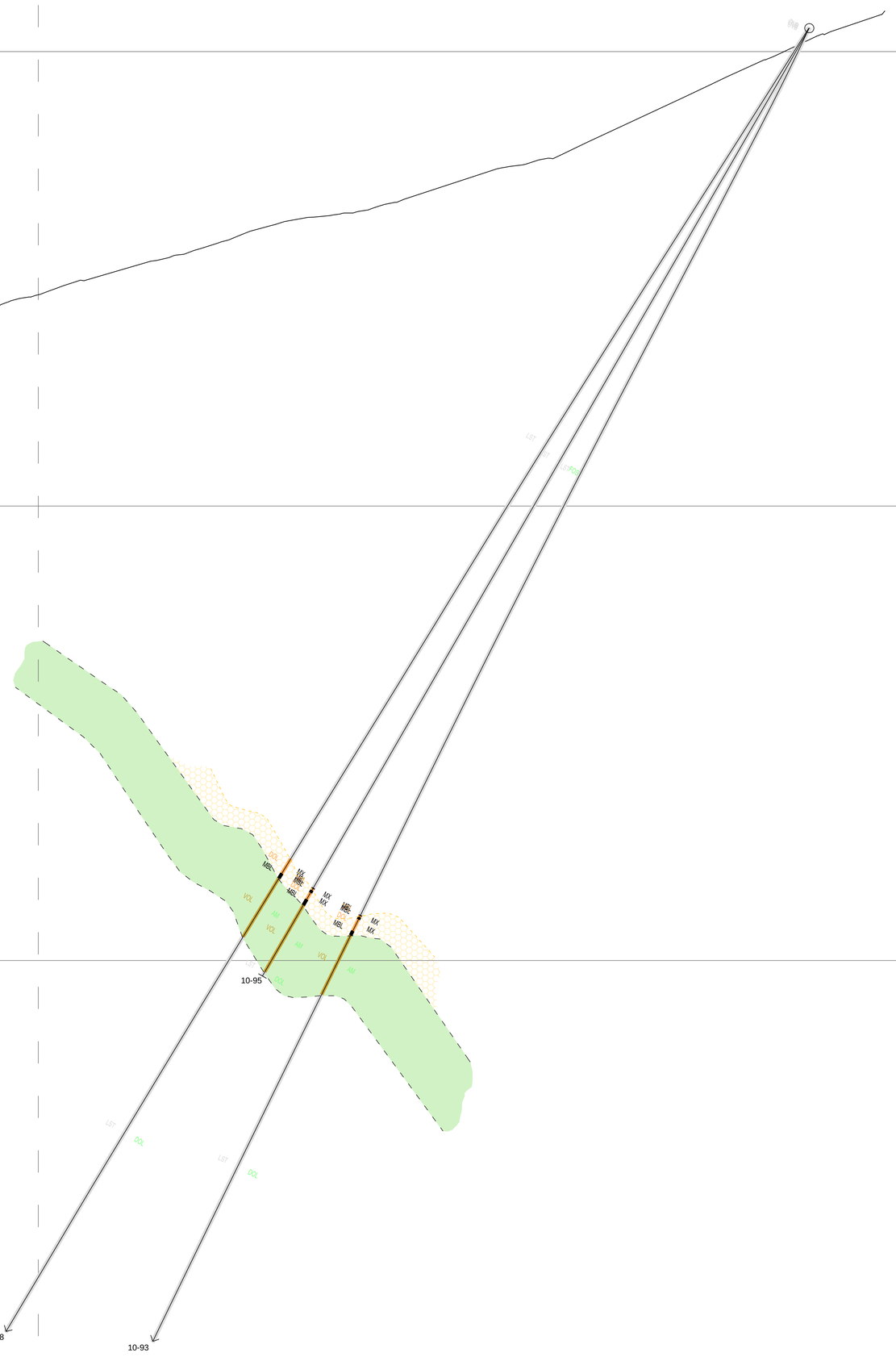
1300 m

1200 m

1100 m

1000 m





Oxide mineralization

Favourable dolomite

Volcaniclastic

Leopard volcaniclastic

Fault

Drill hole showing significant interval

ATAC RESOURCES LTD.

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FIGURE 19

SECTION 09+750NW

TIGER ZONE

RAU PROPERTY - RACKLA GOLD PROJECT

0 25 50 m

FILE: ...2010\RAU\FIGURES\RAU-F_19-09750NW.DWG DATE: APRIL 2011

limit of section

09+775NW

limit of section

10+000 NE

Baseline

08-10

10-98

10-93

09-61

1300 m

1200 m

1100 m

1000 m

0.53 g/t Au
6.00 m

0.75 g/t Au
7.17 m

3.36 g/t Au
23.06 m

OVB

LST

VN

QZ

VOL

SER

MBL

DOL

HL

MX

LEP

SHL

ATAC RESOURCES LTD.

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FIGURE 20

SECTION 09+775NW

TIGER ZONE

RAU PROPERTY - RACKLA GOLD PROJECT

0 25 50 m

FILE: ...2010\RAU\FIGURES\RAU-F_20-09775NW.DWG DATE: APRIL 2011

limit of section

10-89

10-87

10-83

10-91

10-81

09+800NW

limit of section

10+000 NE

Baseline

1300 m

1200 m

1100 m

1000 m

0.91 g/t Au
9.47 m

0.68 g/t Au
11.99 m

1.77 g/t Au
11.02 m

4.94 g/t Au
7.62 m

4.34 g/t Au
6.23 m

0.69 g/t Au
9.47 m

1.95 g/t Au
18.28 m

0.93 g/t Au
9.87 m

10-91

10-81

10-89

10-87

10-83

MBL
DOL
VBL
VOL
MX
VN
AM
LST
FOS
SER
LEP

Oxide mineralization

Favourable dolomite

Volcaniclastic

Leopard volcaniclastic

Fault

Drill hole showing significant interval

ATAC RESOURCES LTD.

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FIGURE 21

SECTION 09+800NW

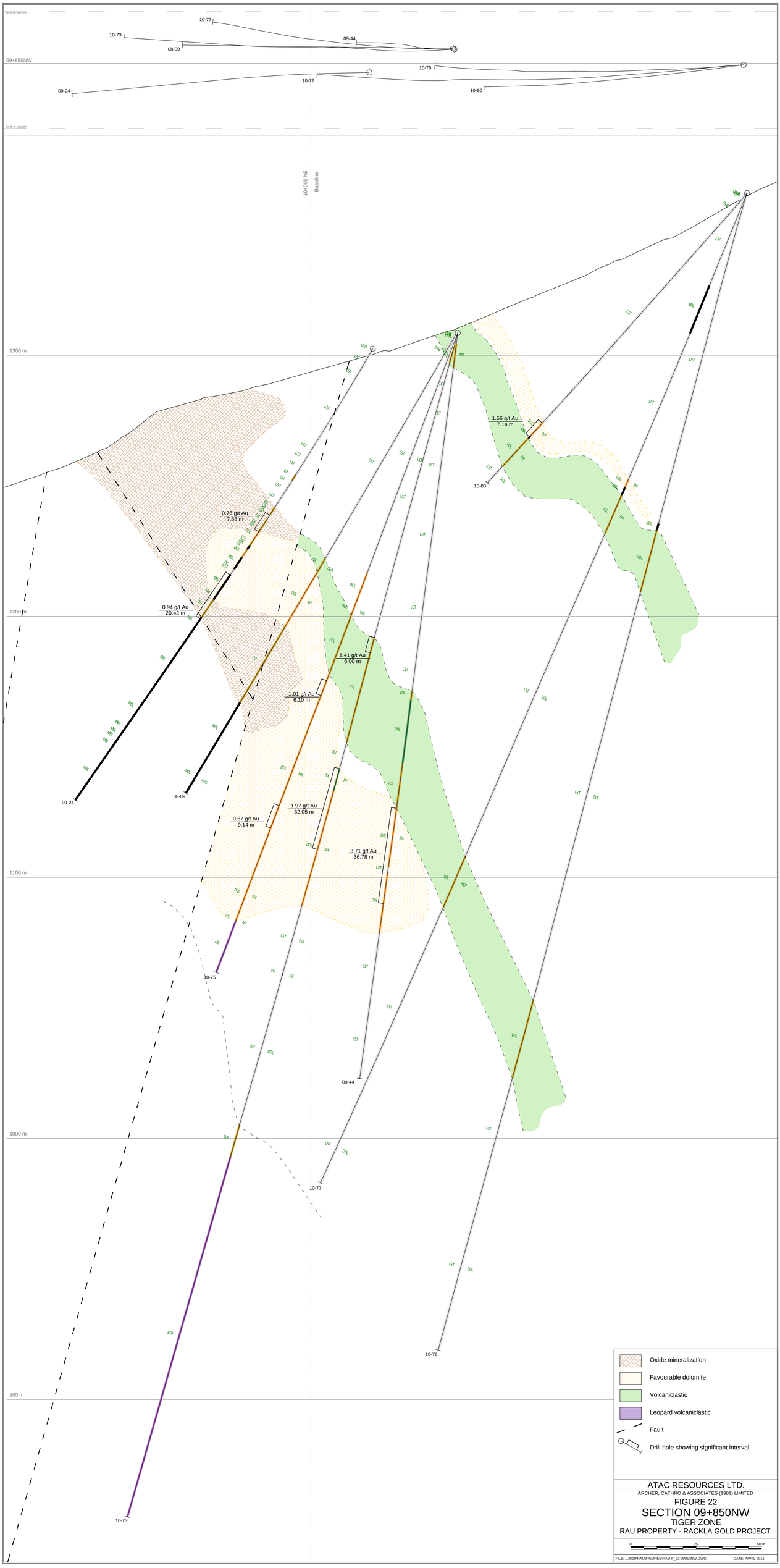
TIGER ZONE

RAU PROPERTY - RACKLA GOLD PROJECT

0 25 50 m

FILE: ...2010\RAU\FIGURES\RAU-F_21-09800NW.DWG

DATE: APRIL 2011


limit of section
10-77
10-73
09-44
08-09
09+850NW
10-76
10-77
09-24
10-80
limit of section
10+000 NE
Baseline
1300 m
1200 m
1100 m
1000 m
900 m
1.56 g/t Au
7.14 m
0.76 g/t Au
7.66 m
0.94 g/t Au
20.42 m
1.41 g/t Au
6.00 m
1.01 g/t Au
6.10 m
1.97 g/t Au
32.05 m
0.67 g/t Au
9.14 m
3.71 g/t Au
36.78 m
10-80
09-24
08-09
10-75
09-44
10-77
10-76
10-73
Oxide mineralization
Favourable dolomite
Volcaniclastic
Leopard volcaniclastic
Fault
Drill hole showing significant interval
ATAC RESOURCES LTD.
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
FIGURE 22
SECTION 09+850NW
TIGER ZONE
RAU PROPERTY - RACKLA GOLD PROJECT
0
25
50 m
FILE: ...2010\RAU\FIGURES\RAU-F_22-09850NW.DWG
DATE: APRIL 2011

limit of section

09+912NW

10-126

limit of section

10+000 NE

Baseline

1300 m

OVB

OX

LST

QZ

1.95 g/t Au
44.77 m

SID

1.09 g/t Au
29.11 m

1200 m

DOL

MBL

10-126

Oxide mineralization

Favourable dolomite

Volcaniclastic

Leopard volcaniclastic

Fault

Drill hole showing significant interval

ATAC RESOURCES LTD.

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FIGURE 23

SECTION 09+912NW

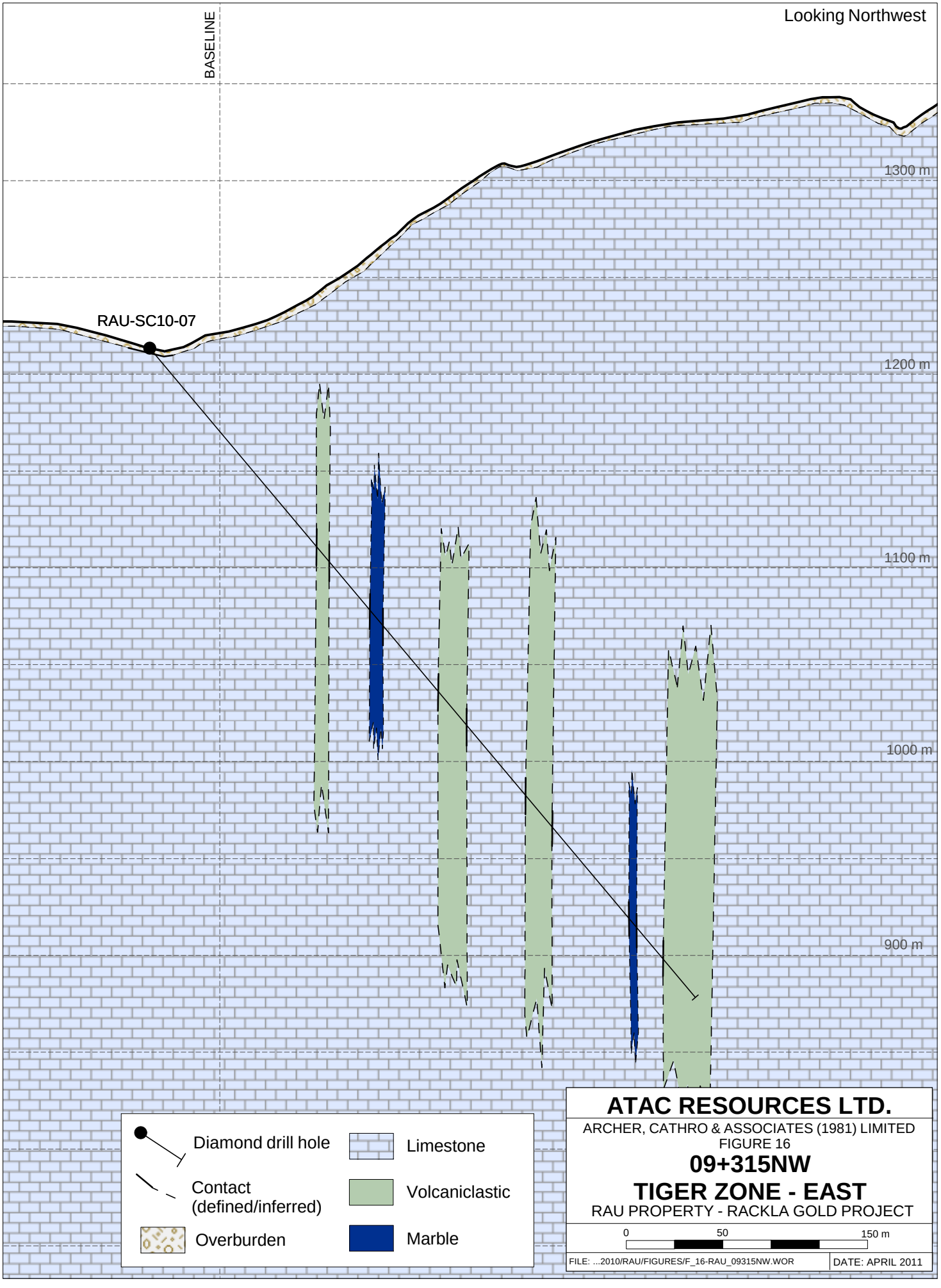
TIGER ZONE

RAU PROPERTY - RACKLA GOLD PROJECT

0 25 50 m

FILE: ...2010\RAU\FIGURES\RAU-F_23-09912NW.DWG

DATE: APRIL 2011


Looking Northwest
BASELINE
RAU-SC10-07
1300 m
1200 m
1100 m
1000 m
900 m
Diamond drill hole
Contact
(defined/inferred)
Overburden
Limestone
Volcaniclastic
Marble
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ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
FIGURE 16
09+315NW
TIGER ZONE - EAST
RAU PROPERTY - RACKLA GOLD PROJECT
0
50
150 m
FILE: ...2010/RAU/FIGURES/F_16-RAU_09315NW.WOR
DATE: APRIL 2011

limit of section

09+950NW

10-124

limit of section

10+000 NE

Baseline

1300 m

7.96 g/t Au
10.79 m

6.91 g/t Au
25.91 m

1.10 g/t Au
33.53 m

LST
OX
DOL
ANK
MBL

1200 m

10-124

Oxide mineralization

Favourable dolomite

Volcaniclastic

Leopard volcaniclastic

Fault

Drill hole showing significant interval

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FIGURE 24

SECTION 09+950NW

TIGER ZONE

RAU PROPERTY - RACKLA GOLD PROJECT

0 25 50 m

FILE: ...2010\RAU\FIGURES\RAU-F_24-09950NW.DWG DATE: APRIL 2011

limit of section

09+970NW

09-62

10-117

09-60

10-96

10-119

limit of section

10+000 NE

Baseline

1300 m

4.91 g/t Au
10.75 m

4.17 g/t Au
9.52 m

5.99 g/t Au
4.35 m

5.11 g/t Au
13.12 m

3.03 g/t Au
16.35 m

2.06 g/t Au
77.86 m

3.01 g/t Au
30.48 m

1.02 g/t Au
7.10 m

1.54 g/t Au
7.62 m

1.82 g/t Au
20.42 m

2.05 g/t Au
15.24 m

1200 m

1100 m

09-62

10-96

09-60

10-117

10-119

Oxide mineralization

Favourable dolomite

Volcaniclastic

Leopard volcaniclastic

Fault

Drill hole showing significant interval

ATAC RESOURCES LTD.

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FIGURE 25

SECTION 09+970NW

TIGER ZONE

RAU PROPERTY - RACKLA GOLD PROJECT

0 25 50 m

FILE: ...2010\RAU\FIGURES\RAU-F_25-09970NW.DWG

DATE: APRIL 2011

limit of section

10+040NW

limit of section

10+000 NE

Baseline

1300 m

1200 m

1100 m

1000 m

900 m

800 m

700 m

10-100

10-103

09-69

09-21

08-14

08-03

10-106

2.51 g/t Au
33.53 m

0.69 g/t Au
24.38 m

0.71 g/t Au
10.74 m

3.18 g/t Au
16.77 m

3.11 g/t Au
19.23 m

0.60 g/t Au
12.15 m

1.05 g/t Au
9.11 m

Oxide mineralization

Favourable dolomite

Volcaniclastic

Leopard volcaniclastic

Fault

Drill hole showing significant interval

ATAC RESOURCES LTD.

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FIGURE 26

SECTION 10+040NW

TIGER ZONE

RAU PROPERTY - RACKLA GOLD PROJECT

0 25 50 m

FILE: ...2010\RAU\FIGURES\RAU-F_26-10040NW.DWG

DATE: APRIL 2011

limit of section

10-100

10-115

10+060NW

10-103

limit of section

10+000 NE

Baseline

1300 m

1200 m

1100 m

1000 m

OVB
LST
MBL
VOL
SIL
MG
CHL
SER
FLT
DOL
OX
MX
LEP
VN

2.35 g/t Au
7.61 m

2.50 g/t Au
14.98 m

1.11 g/t Au
14.98 m

10-103

10-115

10-100

Oxide mineralization

Favourable dolomite

Volcaniclastic

Leopard volcaniclastic

Fault

Drill hole showing significant interval

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FIGURE 27

SECTION 10+060NW

TIGER ZONE

RAU PROPERTY - RACKLA GOLD PROJECT

0 25 50 m

FILE: ...2010\RAU\FIGURES\RAU-F_27-10060NW.DWG

DATE: APRIL 2011

limit of section

10+080NW

limit of section

10+000 NE

Baseline

1300 m

1200 m

1100 m

1000 m

10-100

09-70

10-123

10-85

0.91 g/t Au
14.84 m

0.71 g/t Au
15.41 m

0.61 g/t Au
7.62 m

1.71 g/t Au
6.54 m

1.63 g/t Au
18.66 m

0.50
18.14 m

0.73 g/t Au
9.14 m

0.85 g/t Au
6.10 m

OVB
TIL
OX
LST
DOL
MX
VOL
SER
LEP
CGL

Oxide mineralization

Favourable dolomite

Volcaniclastic

Leopard volcaniclastic

Fault

Drill hole showing significant interval

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FIGURE 28

SECTION 10+080NW

TIGER ZONE

RAU PROPERTY - RACKLA GOLD PROJECT

0 25 50 m

FILE: ...2010\RAU\FIGURES\RAU-F_28-10080NW.DWG

DATE: APRIL 2011

limit of section

09-46

10-104

10+160NW

10-82

10-86

09-71

limit of section

10+000 NE

Baseline

1300 m

1200 m

1.28 g/t Au
47.25 m

3.96 g/t Au
19.81 m

5.44 g/t Au
59.73 m

0.59 g/t Au
7.83 m

0.58 g/t Au
18.28 m

0.54 g/t Au
6.10 m

0.96 g/t Au
6.00 m

0.50 g/t Au
7.81 m

10-82

10-86

10-10

OVB
LST
CLY
GRT
DOL
TIL
OX
MBL
LEP
MX
SX
PY
SD
BX

Oxide mineralization

Favourable dolomite

Volcaniclastic

Leopard volcaniclastic

Fault

Drill hole showing significant interval

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FIGURE 29

SECTION 10+160NW

TIGER ZONE

RAU PROPERTY - RACKLA GOLD PROJECT

0 25 50 m

FILE: ...2010\RAU\FIGURES\RAU-F_29-10160NW.DWG

DATE: APRIL 2011

limit of section

10+200NW

09-58 09-37 09-40 10-127 08-16 10-94 09-31 09-33 09-36 09-35

limit of section

10+000 NE Baseline

1300 m

1200 m

1100 m

1.14 g/t Au 15.37 m
2.73 g/t Au 13.09 m
0.34 g/t Au 8.95 m
0.91 g/t Au 7.62 m
1.37 g/t Au 59.44 m
2.13 g/t Au 65.51 m
5.57 g/t Au 75.76 m
1.98 g/t Au 70.41 m
3.90 g/t Au 6.01 m
3.14 g/t Au 61.76 m
1.04 g/t Au 47.25 m
1.42 g/t Au 6.05 m

09-58 09-37 10-127 09-40 09-36 09-31 08-16 10-94 09-33 09-35

OVB LST DOL MBL OX WRC FLT LEP SER VOL VN QZ SX PY

Oxide mineralization
Favourable dolomite
Volcaniclastic
Leopard volcaniclastic
Fault
Drill hole showing significant interval

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FIGURE 30

SECTION 10+200NW

TIGER ZONE

RAU PROPERTY - RACKLA GOLD PROJECT

0 25 50 m

FILE: ...2010\RAU\FIGURES\RAU-F_30-10200NW.DWG DATE: APRIL 2011

limit of section

10+225NW

10-129

10-121

10-120

limit of section

10+000 NE

Baseline

1400 m

1300 m

1200 m

1.08 g/t Au
56.35 m

2.26 g/t Au
69.66 m

3.10 g/t Au
52.52 m

10-129

10-121

10-120

Oxide mineralization

Favourable dolomite

Volcaniclastic

Leopard volcaniclastic

Fault

Drill hole showing significant interval

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FIGURE 31

SECTION 10+225NW

TIGER ZONE

RAU PROPERTY - RACKLA GOLD PROJECT

0 25 50 m

FILE: ...2010\RAU\FIGURES\RAU-F_31-10225NW.DWG

DATE: APRIL 2011

limit of section

10+250NW

09-55 09-51 10-88 10-102 10-108 10-113

10-132 09-53 09-56

09-34

limit of section

10+000 NE Baseline

1400 m

1.07 g/t Au
23.32 m

8.49 g/t Au
60.44 m

2.15 g/t Au
49.62 m

8.91 g/t Au
32.64 m

3.16 g/t Au
37.66 m

3.77 g/t Au
35.80 m

1.25 g/t Au
77.72 m

0.66 g/t Au
6.90 m

0.86 g/t Au
15.36 m

0.30 g/t Au
8.79 m

2.32 g/t Au
76.31 m

1300 m

1200 m

09-55 09-51 10-132 09-34 10-88 09-53 10-102 09-56 10-108 10-113

O/B LST DOL MBL OX VOL CLY SIL VN CA

Oxide mineralization
Favourable dolomite
Volcaniclastic
Leopard volcaniclastic
Fault
Drill hole showing significant interval

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FIGURE 32

SECTION 10+250NW

TIGER ZONE

RAU PROPERTY - RACKLA GOLD PROJECT

0 25 50 m

FILE: ...2010\RAU\FIGURES\RAU-F_32-10250NW.DWG DATE: APRIL 2011

limit of section

10+275NW

10-131 10-125 10-116 10-118

limit of section

10+000 NE

Baseline

1400 m

1300 m

1200 m

1.92 g/t Au
39.09 m

3.46 g/t Au
51.10 m

1.62 g/t Au
54.86 m

7.12 g/t Au
19.81 m

0.42 g/t Au
10.66 m

10-131

10-125

10-116

10-118

Oxide mineralization

Favourable dolomite

Volcaniclastic

Leopard volcaniclastic

Fault

Drill hole showing significant interval

ATAC RESOURCES LTD.

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

FIGURE 33

SECTION 10+275NW

TIGER ZONE

RAU PROPERTY - RACKLA GOLD PROJECT

0 25 50 m

FILE: ...2010\RAU\FIGURES\RAU-F_33-10275NW.DWG

DATE: APRIL 2011

limit of section

10+300NW

09-50 09-27 09-29 09-30 09-25 09-48 10-111 09-32

10-90 09-19 09-23 10-109 09-28 10-112

limit of section

10+000 NE

Baseline

1400 m

1300 m

1200 m

0.45 g/t Au
10.67 m

3.16 g/t Au
54.60 m

17.11 g/t Au
38.80 m

15.52 g/t Au
43.89 m

0.52 g/t Au
6.09 m

1.36 g/t Au
24.38 m

9.72 g/t Au
27.43 m

3.07 g/t Au
24.63 m

2.35 g/t Au
14.87 m

1.58 g/t Au
18.90 m

0.79 g/t Au
7.62 m

0.45 g/t Au
6.09 m

1.40 g/t Au
8.27 m

1.10 g/t Au
31.34 m

0.48 g/t Au
10.67 m

1.74 g/t Au
12.58 m

0.33 g/t Au
7.34 m

0.32 g/t Au
8.34 m

09-50 09-27 10-90 09-19 09-23 09-28 10-109 09-32 10-112 09-29 09-25 09-30 09-48 10-111

Oxide mineralization

Favourable dolomite

Volcaniclastic

Leopard volcaniclastic

Fault

Drill hole showing significant interval

ATAC RESOURCES LTD.

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FIGURE 34

SECTION 10+300NW

TIGER ZONE

RAU PROPERTY - RACKLA GOLD PROJECT

0 25 50 m

FILE: ...2010\RAU\FIGURES\RAU-F_34-10300NW.DWG DATE: APRIL 2011

limit of section

10+325NW

10-130

10-128

10-122

limit of section

10+000 NE

Baseline

1400 m

1300 m

0.67 g/t Au
32.00 m

2.30 g/t Au
42.67 m

3.42 g/t Au
42.67 m

0.69 g/t Au
39.63 m

10-130

10-128

10-122

Oxide mineralization

Favourable dolomite

Volcaniclastic

Leopard volcaniclastic

Fault

Drill hole showing significant interval

ATAC RESOURCES LTD.

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

FIGURE 35

SECTION 10+325NW

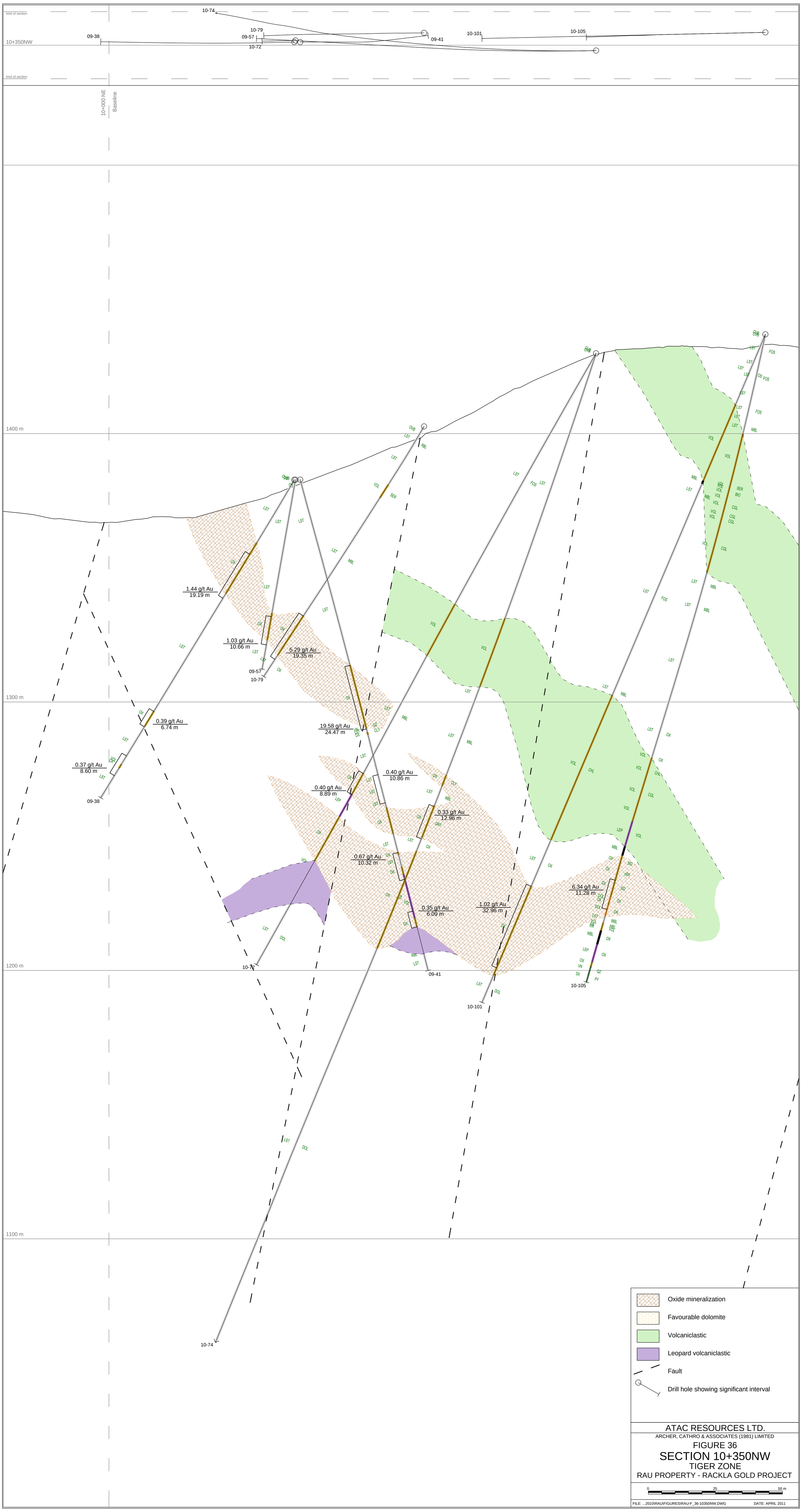
TIGER ZONE

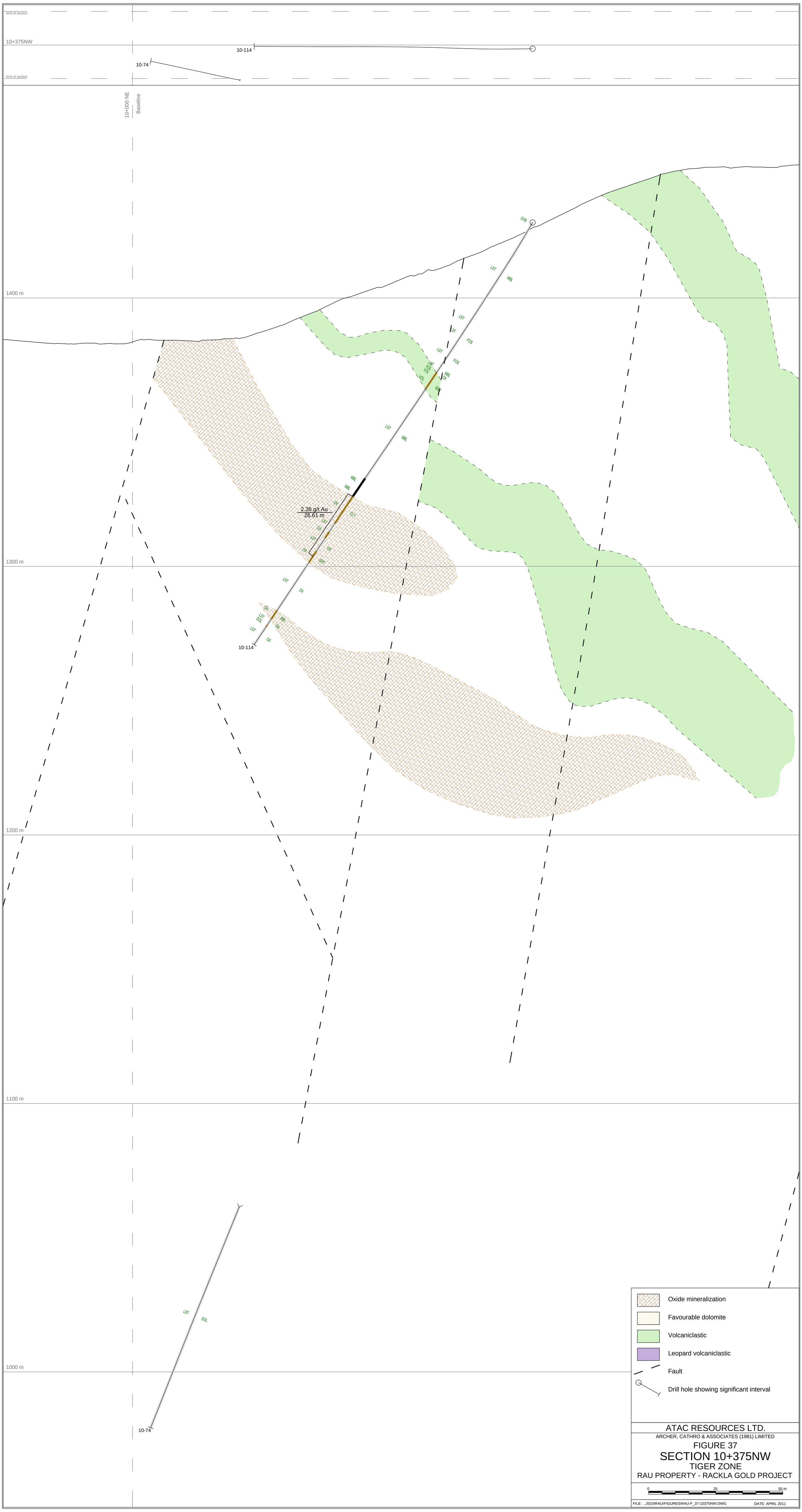
RAU PROPERTY - RACKLA GOLD PROJECT

0 25 50 m

FILE: ...2010\RAU\FIGURES\RAU-F_35-10325NW.DWG

DATE: APRIL 2011


limit of section
10+350NW
10-74
10-79
09-57
10-72
09-38
09-41
10-101
10-105
limit of section
10+000 NE
Baseline
1400 m
1300 m
1200 m
1100 m
1.44 g/t Au
19.19 m
1.03 g/t Au
10.66 m
5.29 g/t Au
19.35 m
0.39 g/t Au
6.74 m
19.58 g/t Au
24.47 m
0.37 g/t Au
8.60 m
0.40 g/t Au
10.86 m
0.40 g/t Au
8.89 m
0.33 g/t Au
12.96 m
0.67 g/t Au
10.32 m
0.35 g/t Au
6.09 m
1.02 g/t Au
32.96 m
6.34 g/t Au
11.28 m
09-57
10-79
09-38
10-72
09-41
10-101
10-105
10-74
Oxide mineralization
Favourable dolomite
Volcaniclastic
Leopard volcaniclastic
Fault
Drill hole showing significant interval
ATAC RESOURCES LTD.
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
FIGURE 36
SECTION 10+350NW
TIGER ZONE
RAU PROPERTY - RACKLA GOLD PROJECT
0
25
50 m
FILE: ...2010\RAU\FIGURES\RAU-F_36-10350NW.DWG
DATE: APRIL 2011


limit of section
10+375NW
10-114
10-74
limit of section
10+000 NE
Baseline
1400 m
1300 m
1200 m
1100 m
1000 m
2.36 g/t Au
26.61 m
10-114
10-74
Oxide mineralization
Favourable dolomite
Volcaniclastic
Leopard volcaniclastic
Fault
Drill hole showing significant interval
ATAC RESOURCES LTD.
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
FIGURE 37
SECTION 10+375NW
TIGER ZONE
RAU PROPERTY - RACKLA GOLD PROJECT
0
25
50 m
FILE: ...2010\RAU\FIGURES\RAU-F_37-10375NW.DWG
DATE: APRIL 2011

limit of section

10+400NW

09-22

09-20

09-39

10-97

10-92

10-84

10-78

limit of section

10+000 NE

Baseline

1400 m

0.25 g/t Au
7.32 m

1.34 g/t Au
7.17 m

1300 m

1200 m

Oxide mineralization

Favourable dolomite

Volcaniclastic

Leopard volcaniclastic

Fault

Drill hole showing significant interval

ATAC RESOURCES LTD.

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FIGURE 38

SECTION 10+400NW

TIGER ZONE

RAU PROPERTY - RACKLA GOLD PROJECT

0 25 50 m

FILE: ...2010\RAU\FIGURES\RAU-F_38-10400NW.DWG

DATE: APRIL 2011

limit of section

10+450NW

limit of section

10+000 NE

Baseline

1400 m

1300 m

1200 m

1100 m

10-110

10-107

10-107

10-110

Legend

- Oxide mineralization
- Favourable dolomite
- Volcaniclastic
- Leopard volcaniclastic
- Fault
- Drill hole showing significant interval

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FIGURE 39

SECTION 10+450NW

TIGER ZONE

RAU PROPERTY - RACKLA GOLD PROJECT

0 25 50 m

FILE: ...2010\RAU\FIGURES\RAU-F_39-10450NW.DWG

DATE: APRIL 2011

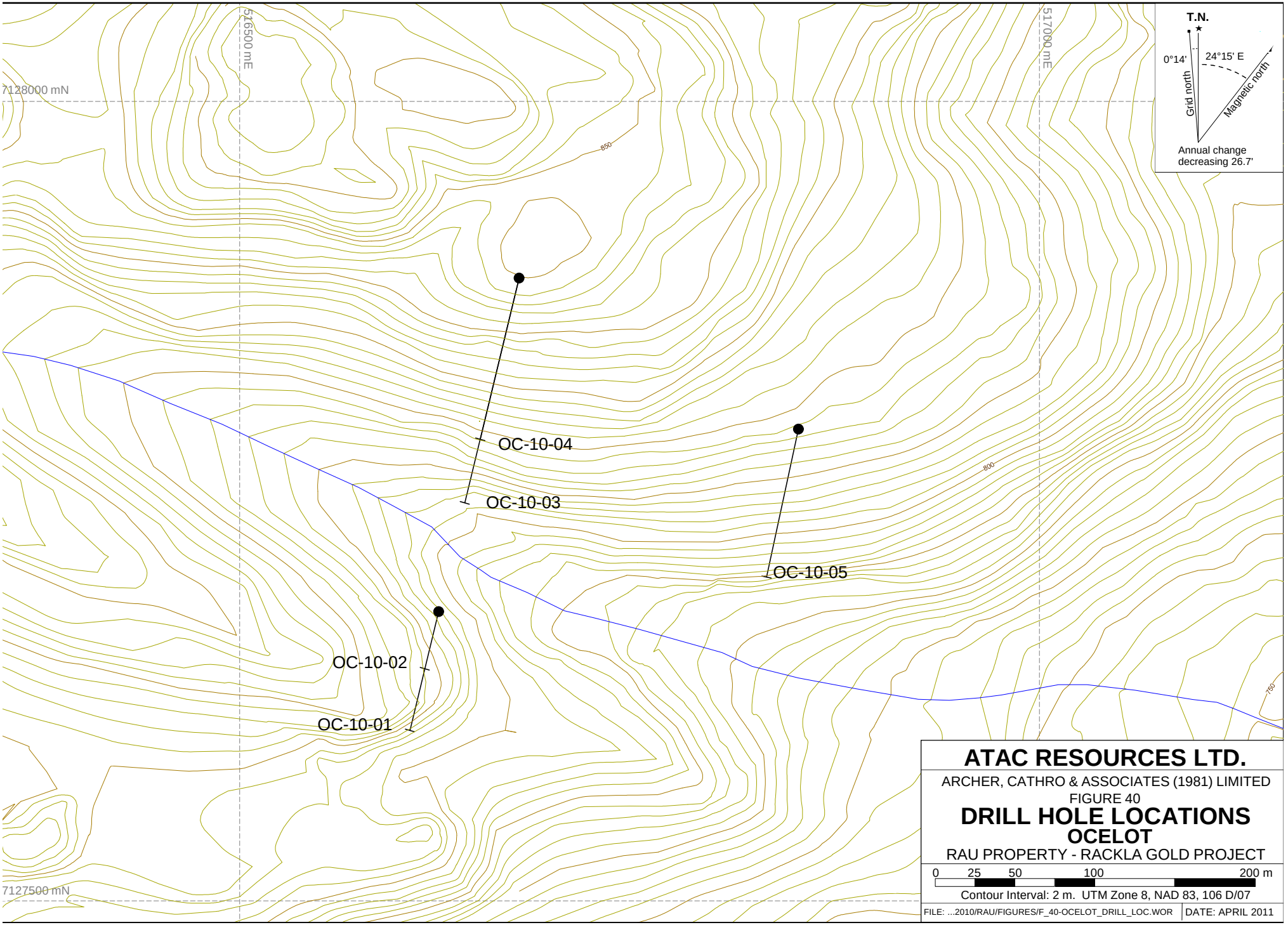

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FIGURE 40

DRILL HOLE LOCATIONS
OCELOT

RAU PROPERTY - RACKLA GOLD PROJECT

0 25 50 100 200 m

Contour Interval: 2 m. UTM Zone 8, NAD 83, 106 D/07

FILE: ...2010/RAU/FIGURES/F_40-OCELOT_DRILL_LOC.WOR | DATE: APRIL 2011

Looking West
(285°)

G285169:
134.00 g/t Ag
2.39% Pb
40.55% Zn
3.16 g/t In

G285164:
2100.00 g/t Ag
55.33% Pb
0.74% Zn
62.00 g/t In

360 g/t Ag
9.83% Pb
25.06% Zn
48.2 g/t In

?

OC-10-01
152.40 m

OC-10-02
141.73 m

OC-10-03
288.04 m

OC-10-04
301.75 m

Overburden

Dolomitized limestone/dolostone

Volcaniclastic

Mineralized zone

Rubble

Contact (defined/inferred)

Diamond drill hole

Surface showing

Fault (inferred)

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FIGURE 41

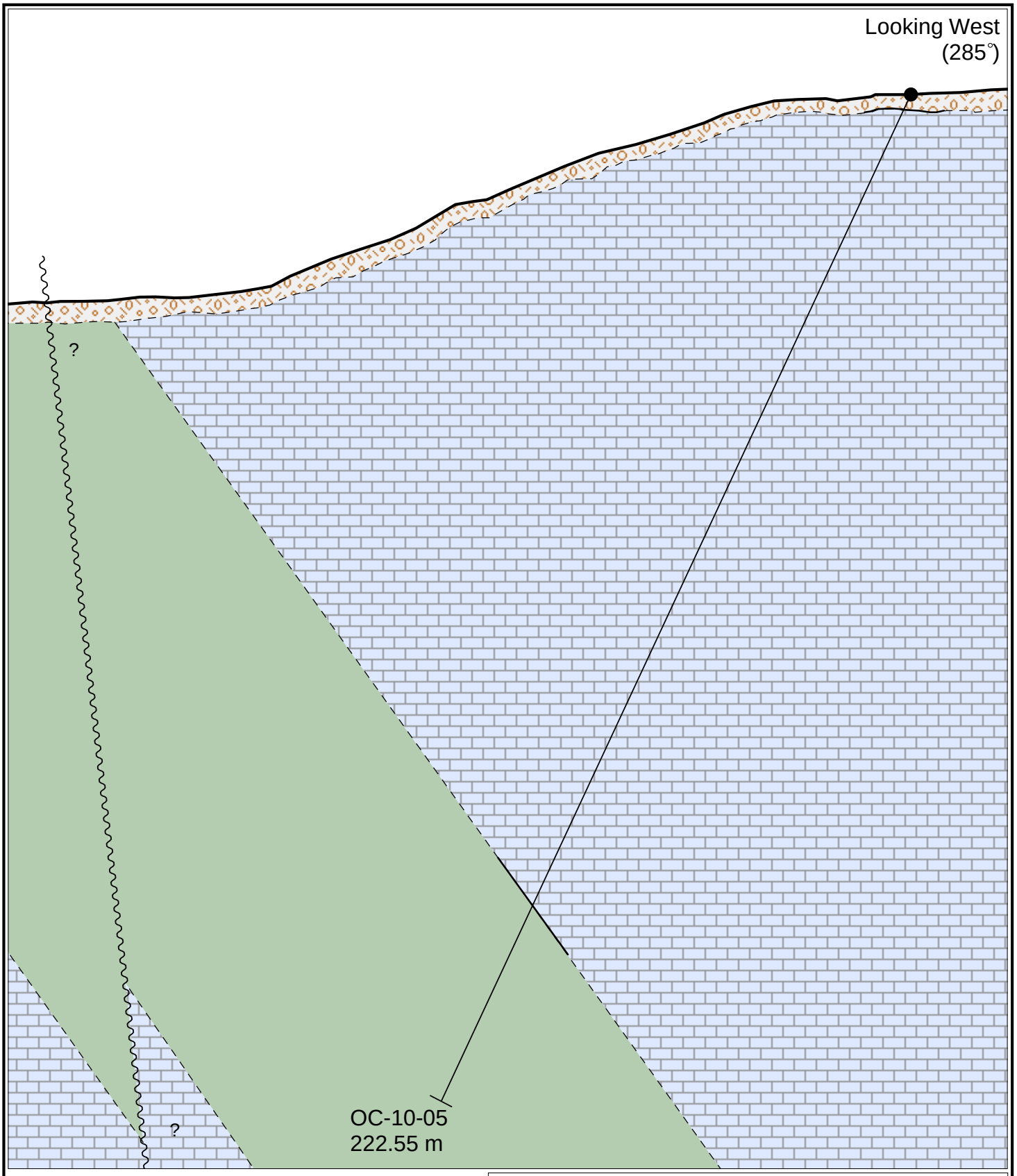
SECTION 9+600E
OCELOT

RAU PROPERTY - RACKLA GOLD PROJECT

0 10 20 40 100 m

FILE: ...2010/RAU/FIGURES/F_41-RAU_9600E.WOR

DATE: APRIL 2011



Overburden

Dolomitized limestone/dolostone

Volcaniclastic

Contact (defined/inferred)

Diamond drill hole

Fault (inferred)

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FIGURE 42

SECTION 9+800E

OCELOT

RAU PROPERTY - RACKLA GOLD PROJECT

0 10 20 40 80 m

FILE: ...2010/RAU/FIGURES/F_42-RAU_9800E.WOR

DATE: APRIL 2011

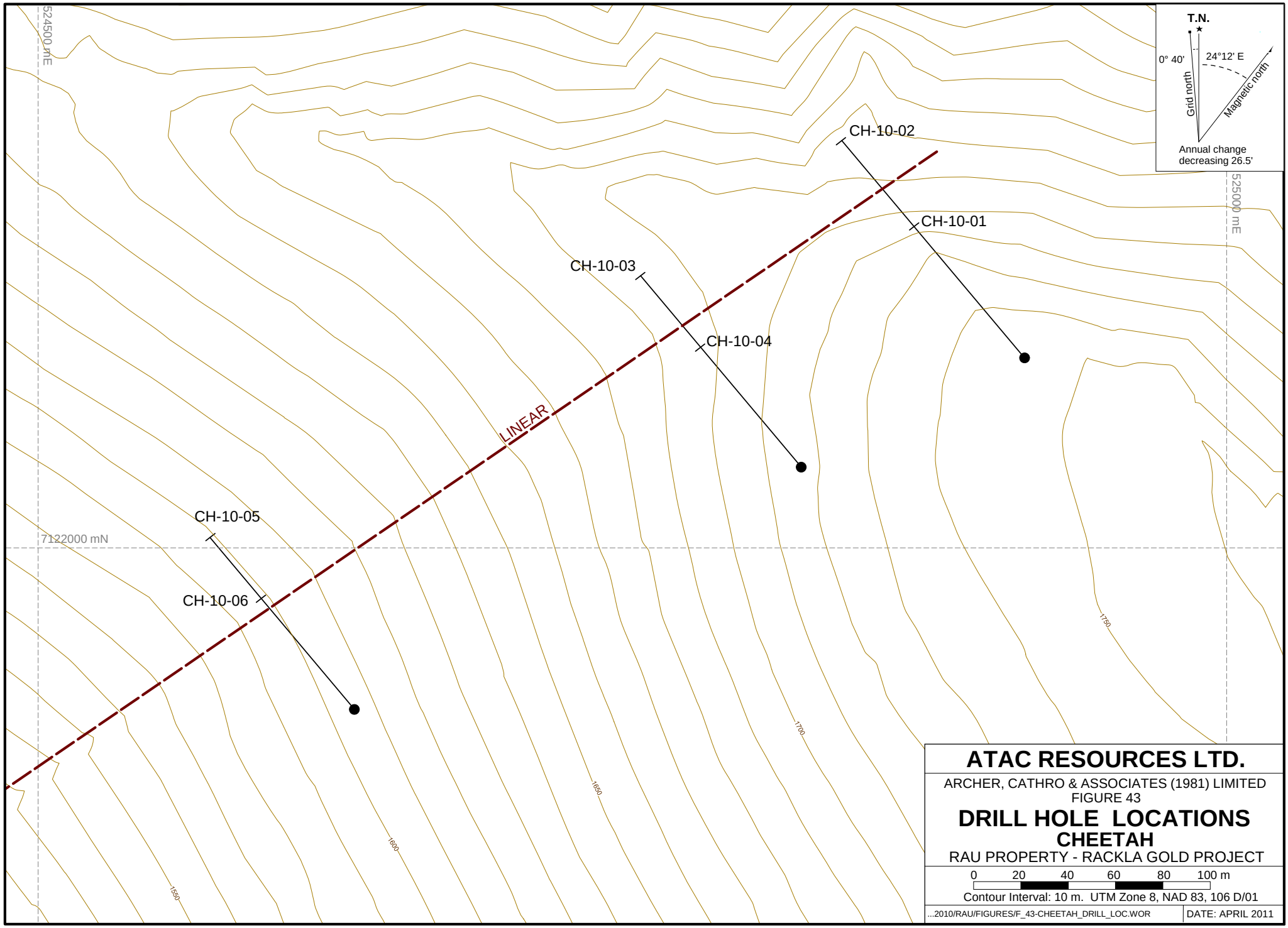

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FIGURE 43

DRILL HOLE LOCATIONS

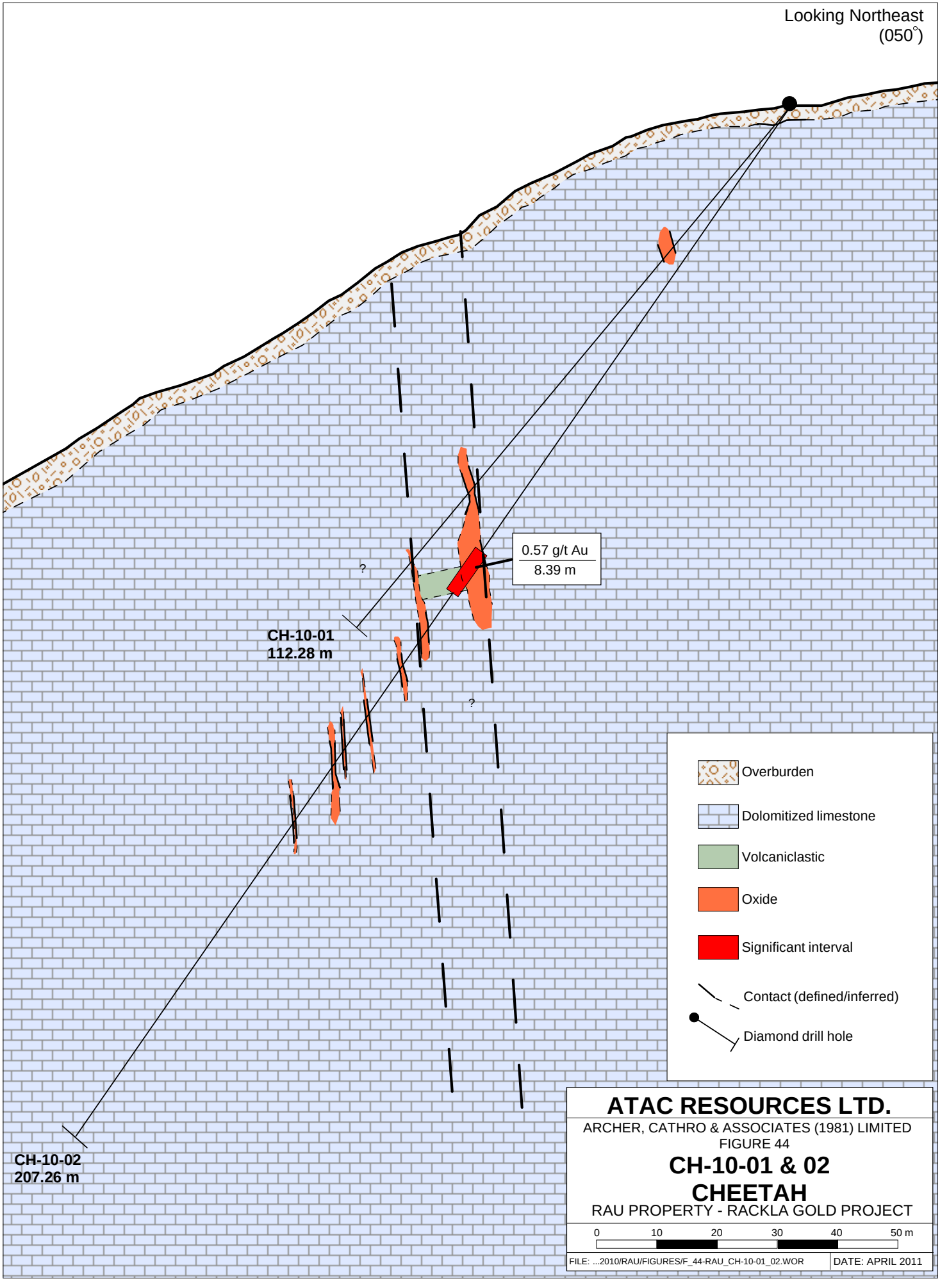
CHEETAH

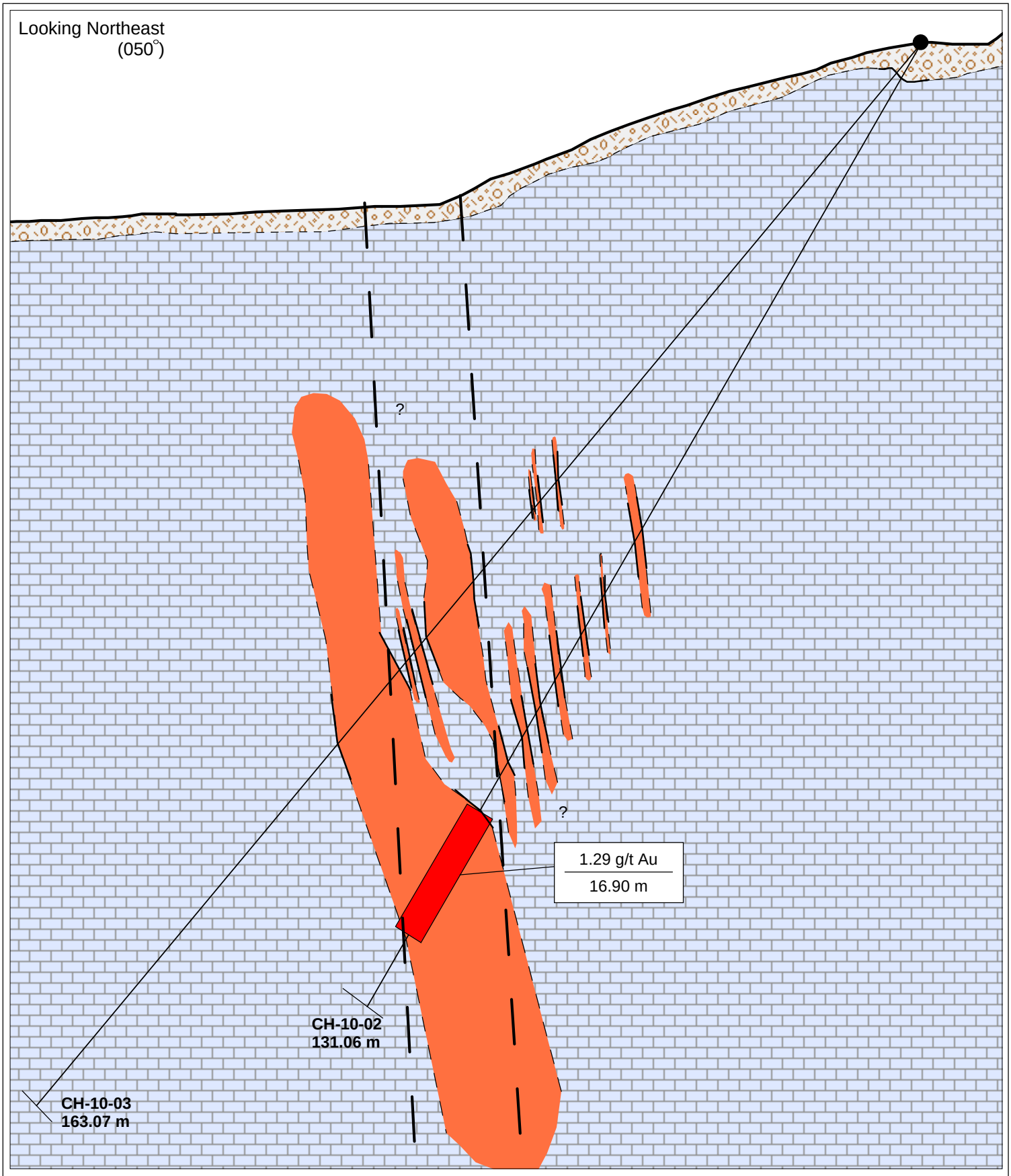
RAU PROPERTY - RACKLA GOLD PROJECT

0 20 40 60 80 100 m

Contour Interval: 10 m. UTM Zone 8, NAD 83, 106 D/01

...2010/RAU/FIGURES/F_43-CHEETAH_DRILL_LOC.WOR | DATE: APRIL 2011


Looking Northeast
(050°)
0.57 g/t Au
8.39 m
?
CH-10-01
112.28 m
?
CH-10-02
207.26 m
Overburden
Dolomitized limestone
Volcaniclastic
Oxide
Significant interval
Contact (defined/inferred)
Diamond drill hole
ATAC RESOURCES LTD.
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
FIGURE 44
CH-10-01 & 02
CHEETAH
RAU PROPERTY - RACKLA GOLD PROJECT
0
10
20
30
40
50 m
FILE: ...2010/RAU/FIGURES/F_44-RAU_CH-10-01_02.WOR
DATE: APRIL 2011



Overburden

Dolomitized limestone

Oxide

Contact (defined/inferred)

Diamond drill hole

Significant interval

ATAC RESOURCES LTD.

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FIGURE 45

CH-10-03 & 04

CHEETAH

RAU PROPERTY - RACKLA GOLD PROJECT

0 10 20 30 40 m

FILE: ...2010/RAU/FIGURES/F_45-CH-10-03.WOR

DATE: APRIL 2011

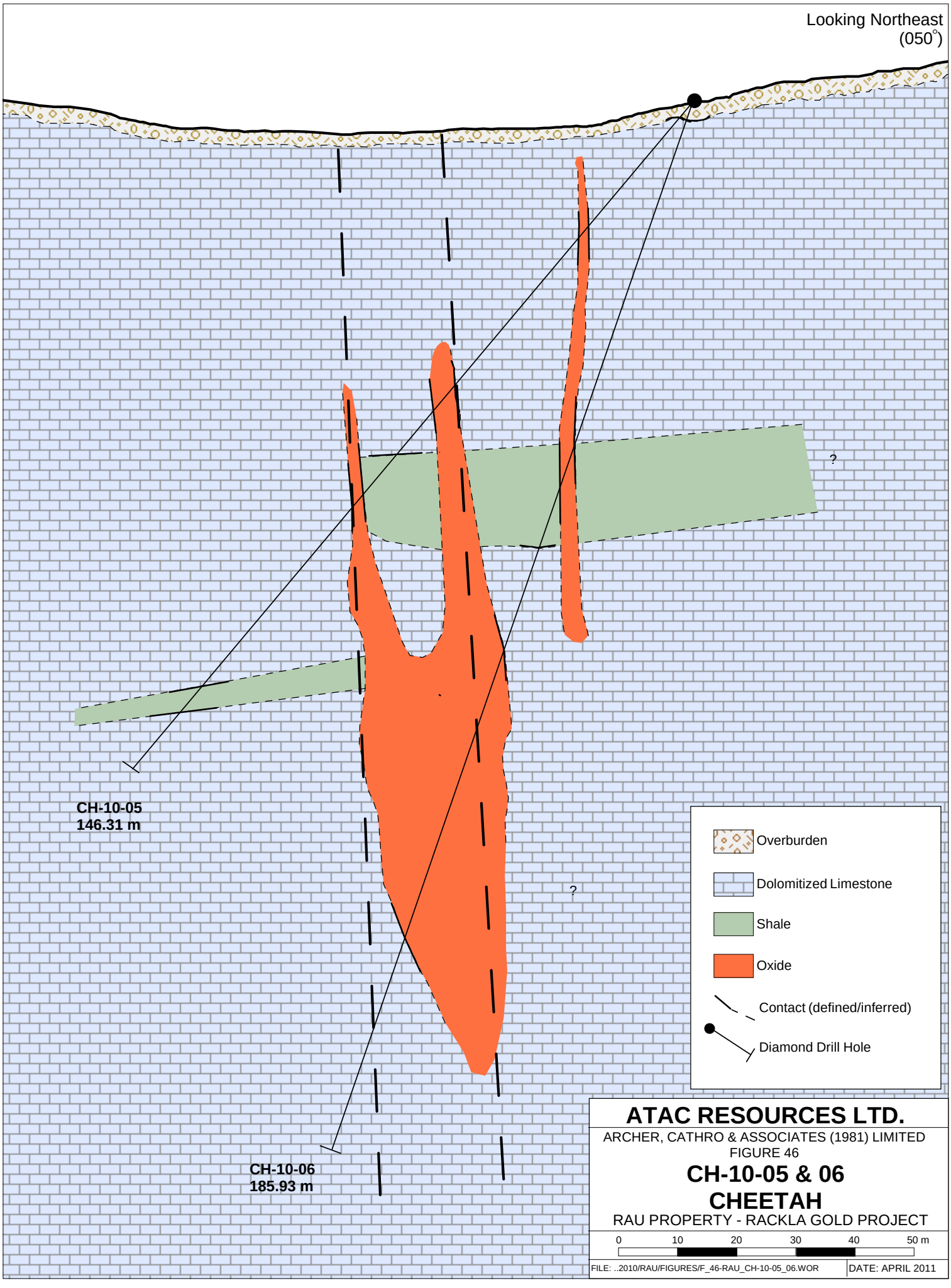

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FIGURE 46

CH-10-05 & 06

CHEETAH

RAU PROPERTY - RACKLA GOLD PROJECT

0 10 20 30 40 50 m

FILE: ..2010/RAU/FIGURES/F_46-RAU_CH-10-05_06.WOR

DATE: APRIL 2011

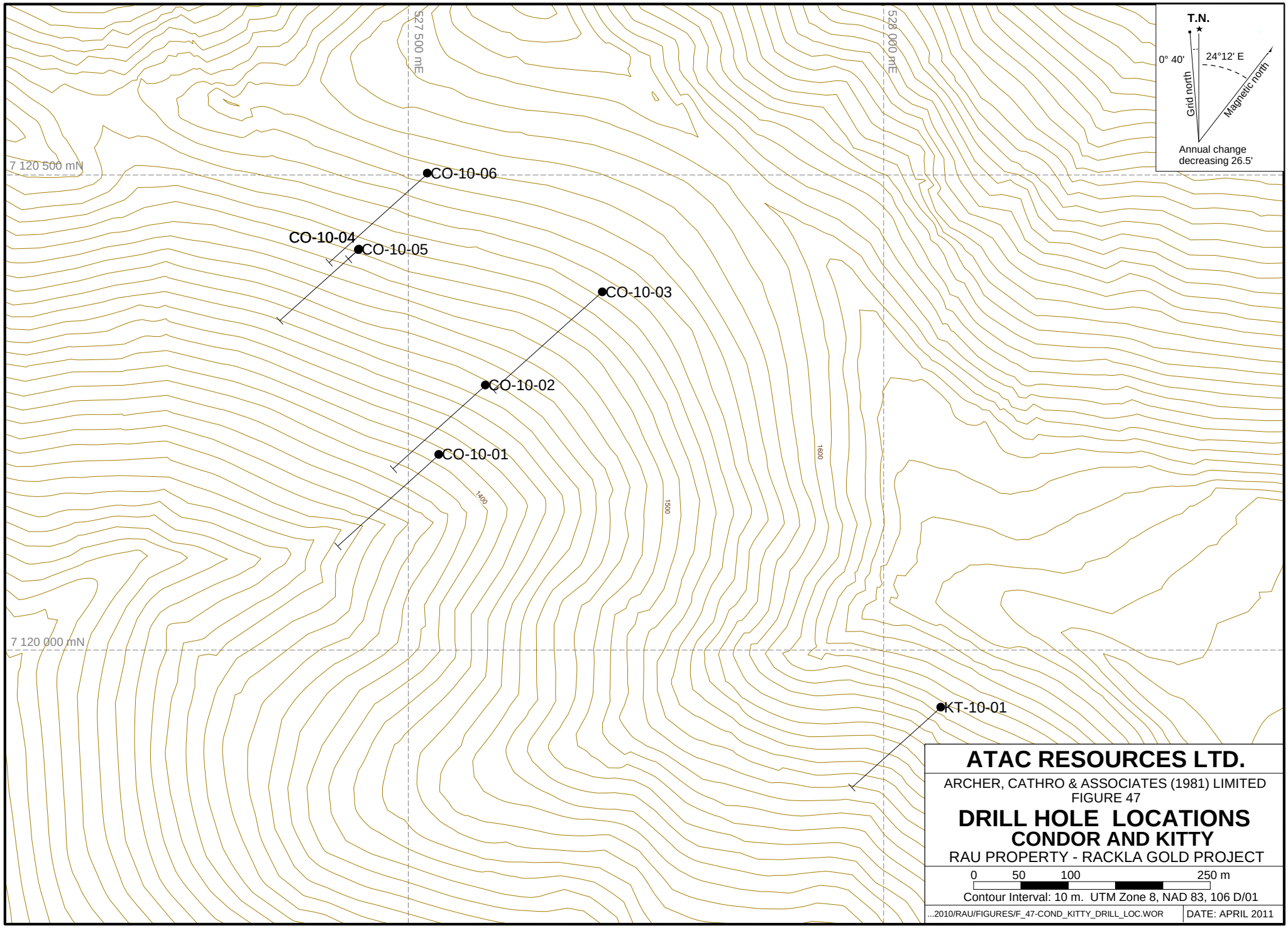

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FIGURE 47

DRILL HOLE LOCATIONS
CONDOR AND KITTY

RAU PROPERTY - RACKLA GOLD PROJECT

0 50 100 250 m

Contour Interval: 10 m. UTM Zone 8, NAD 83, 106 D/01

...2010/RAU/FIGURES/F_47-COND_KITTY_DRILL_LOC.WOR | DATE: APRIL 2011

Looking Northwest

BASELINE

CO-10-03

CO-10-02

CO-10-01

1500 m

1400 m

1300 m

1200 m

Diamond drill hole

Contact (defined/inferred)

Overburden

Limestone/ dolomite

Volcaniclastic

Marble

Shale

Oxide

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FIGURE 48

EAST SECTION CONDOR

RAU PROPERTY - RACKLA GOLD PROJECT

0 100 m

FILE: ...2010/RAU/FIGURES/F_48-RAU_CONDOR_1.WOR

DATE: APRIL 2011

Looking Northwest

BASELINE

1600 m

1500 m

1400 m

1300 m

CO-10-06

CO-10-04

CO-10-05

Diamond drill hole

Contact (defined/inferred)

Overburden

Limestone/ dolomite

Volcaniclastic

Shale

Oxide

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FIGURE 49

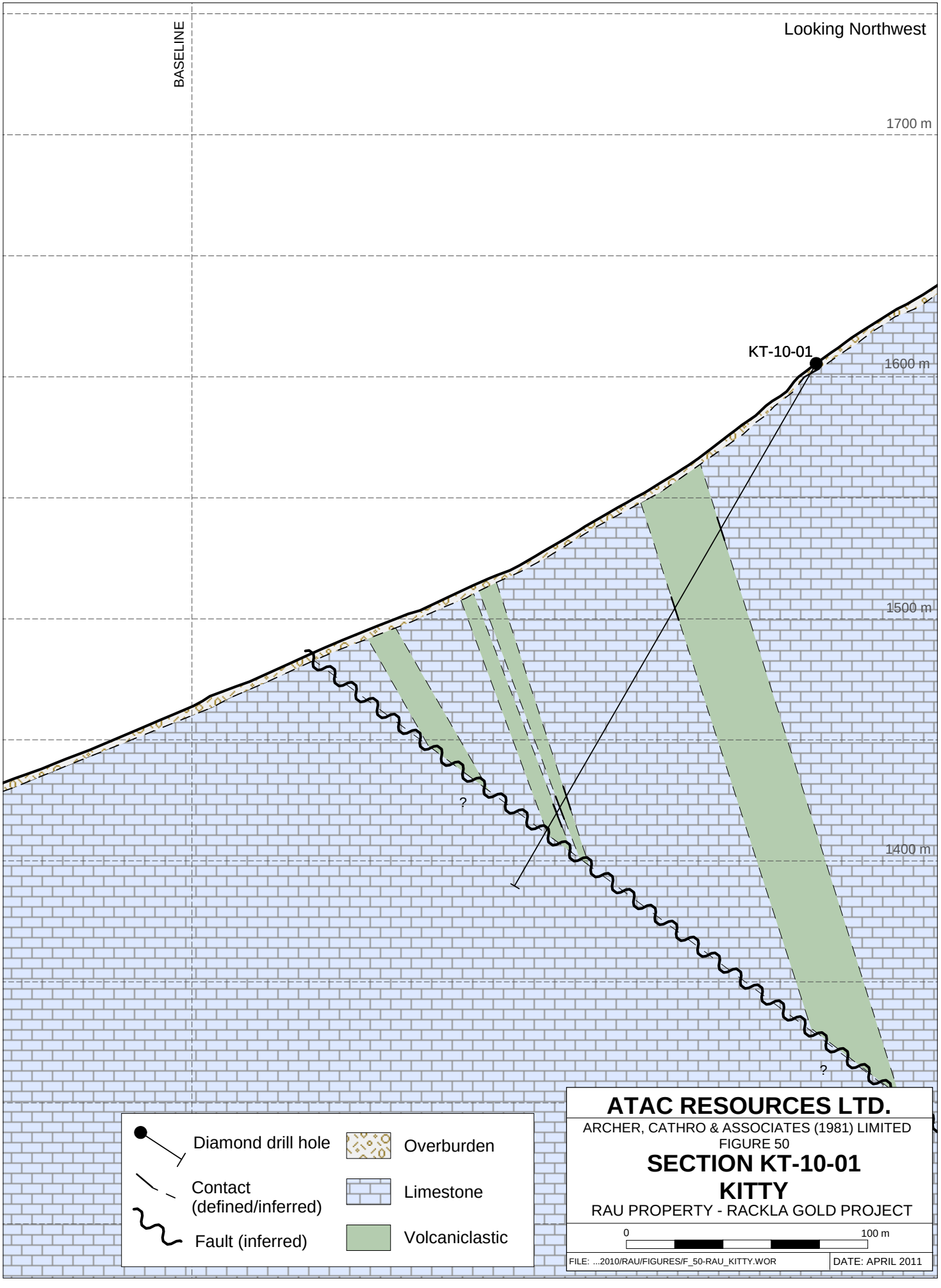
WEST SECTION CONDOR

RAU PROPERTY - RACKLA GOLD PROJECT

0 100 m

FILE: ...2010/RAU/FIGURES/F_49-RAU_CONDOR_2.WOR

DATE: APRIL 2011


BASELINE
Looking Northwest
1700 m
KT-10-01
1600 m
1500 m
1400 m
?
?
Diamond drill hole
Contact
(defined/inferred)
Fault (inferred)
Overburden
Limestone
Volcaniclastic
ATAC RESOURCES LTD.
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
FIGURE 50
SECTION KT-10-01
KITTY
RAU PROPERTY - RACKLA GOLD PROJECT
0
100 m
FILE: ...2010/RAU/FIGURES/F_50-RAU_KITTY.WOR
DATE: APRIL 2011

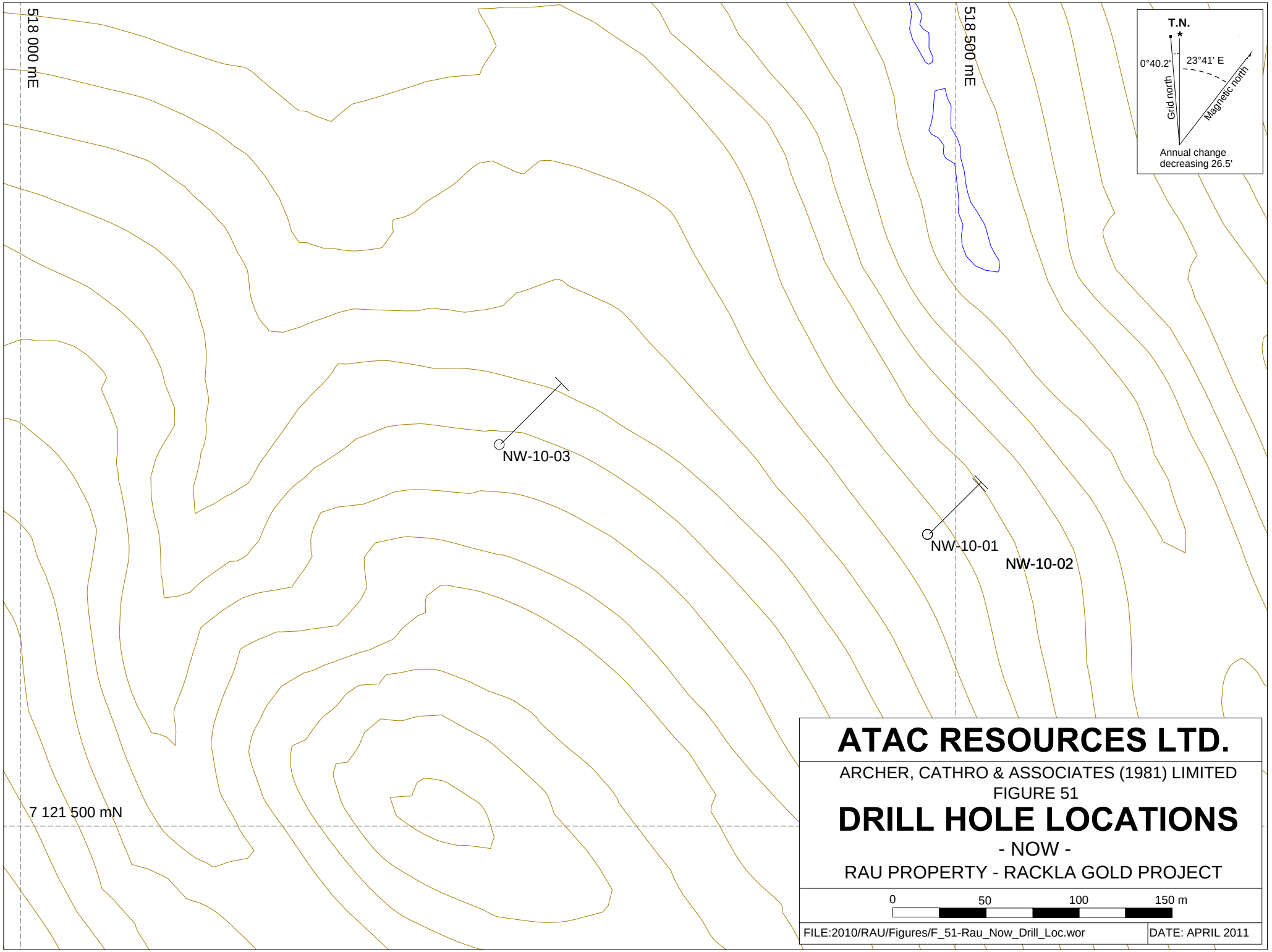


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FIGURE 51

DRILL HOLE LOCATIONS

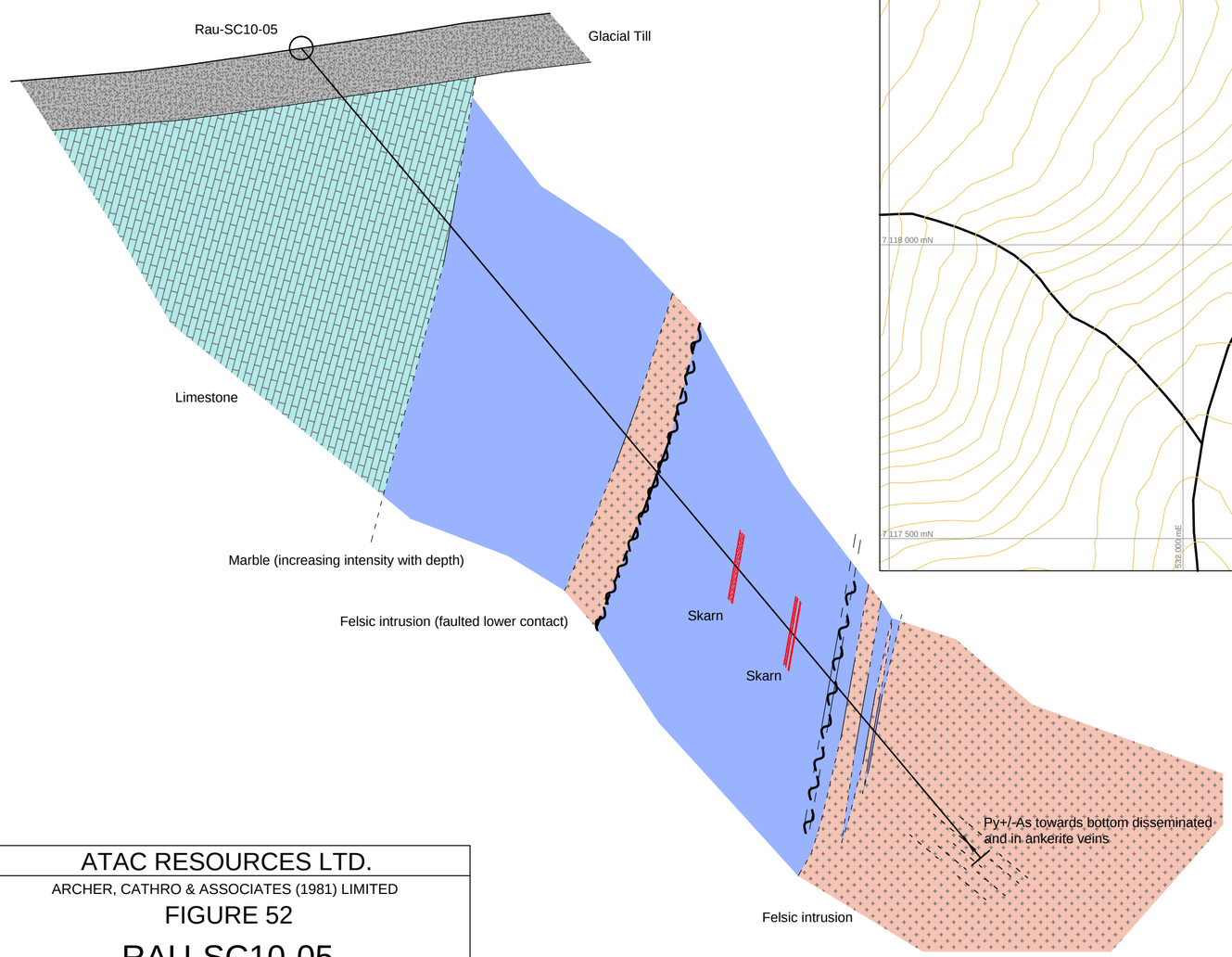
- NOW -

RAU PROPERTY - RACKLA GOLD PROJECT

0 50 100 150 m

FILE:2010/RAU/Figures/F_51-Rau_Now_Drill_Loc.wor

DATE: APRIL 2011



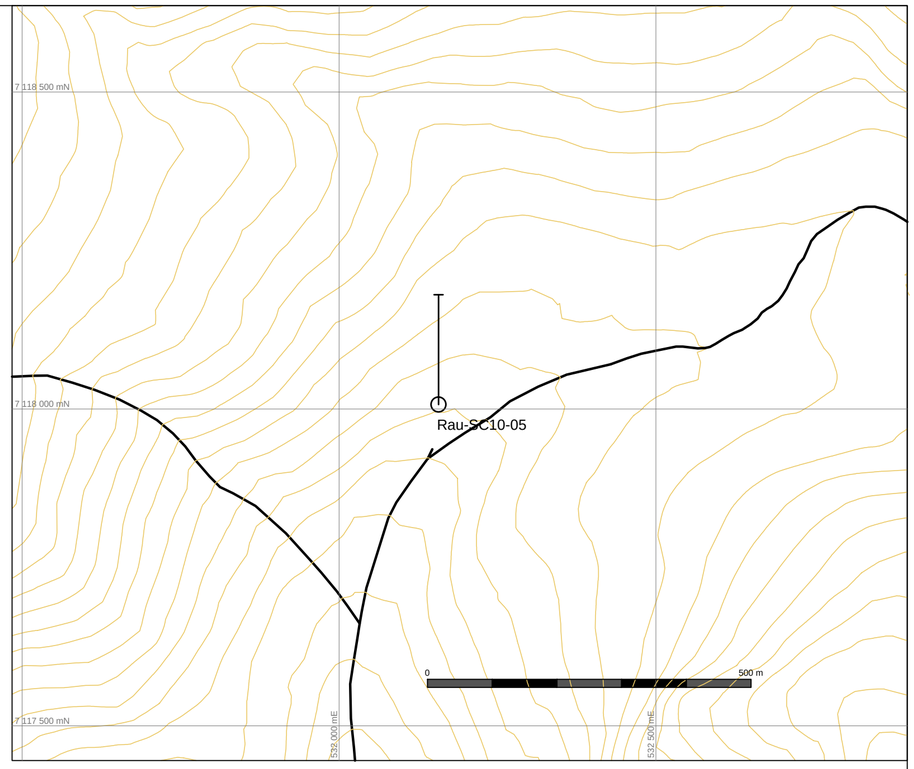


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FIGURE 52

RAU-SC10-05

RAU PROPERTY - RACKLA GOLD PROJECT

0 50 100 m

FILE: ...2010\RAU\FIGURES\F_52-SC10-05.DWG

DATE: APRIL 2011

95721

OW085

Statement of Expenditures
Rau 54, 56, 58, 69, 97F, 98F and R 479
December 16, 2009

Contract Diamond Drilling and Helicopter Support

Superior Diamond Drilling Inc.	$1,764,845.44
Fireweed Helicopters	1,448,448.74
	$3,213,294.18